EdgeCast Networks, Inc.

Web Services REST API

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About This Guide

Web Services REST API
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Web Services REST API

Introduction

Our Web Services REST API provides the means through which you can extend your own technologies with the capabilities of our CDN. This allows you to programmatically integrate our CDN with other programs, interfaces, or applications for the purpose of automating the manner through which your media is managed.

Our Web Services consist of a REST-compliant API that operates through HTTPS requests and responses. The HTTPS request and response bodies must be formatted using either JavaScript Object Notation (JSON) or Extensible Markup Language (XML). This type of framework allows you to use your preferred programming language (e.g., C#, C, PHP, Perl, etc.) to perform operations on our CDN through HTTPS requests to a Web Services REST API server.

The security of the communication between your application and a Web Services REST API server is ensured through Secure Sockets Layer (SSL) encryption. The Web Services REST API also protects against unauthorized operations through a user account-specific token.

Change History

A summary of the major changes performed to this document can be viewed from the REST API Help Center at:

- What's New?

REST Request Authentication

Every operation performed by the Web Services REST API server must be authenticated. This authentication process is performed through a unique value (i.e., Web Services REST API token) that can be associated with any MCC user account. The purpose of this authentication process is to identify the user making the request, check whether that user has sufficient permissions to perform the requested action, and finally perform the requested action. This section will explain how to generate a token and then how to use that token to authenticate an operation.

Important: An administrative user determines whether a unique Web Services REST API token will be available on your user account. If you are denied REST API access, then you will be unable to view or generate a Web Services REST API token.

Web Services REST API Token

The Web Services REST API token is a unique 32 digit alphanumeric value that identifies a MCC user account. The Web Services REST API server will perform the requested action through the MCC user account associated with the specified token. This ensures that only operations that have been authorized for that MCC user account can be performed.

Sample Token Value: 12345678-1234-1234-1234-1234567890ab

Important: The set of operations that can be performed through your Web Services REST API token is determined by your CDN administrator. A 403 Forbidden will be returned when you attempt to perform an operation that has not been authorized for the specified token.

Token Generation

The first step towards authenticating a request is to generate a Web Services REST API token. This type of token can be viewed and generated from the **Web Services REST API** section of the My Settings page in the MCC.

Note: The **Web Service REST API Token** section will only appear on the **My Settings** page if your CDN administrator has granted your account access to the REST API.
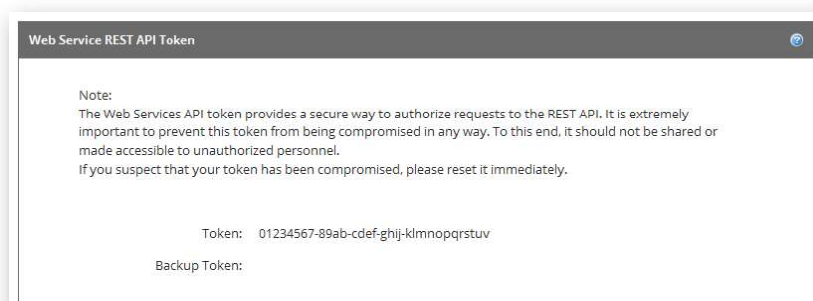
Web Services REST API Token

As you can tell from the above illustration, a primary and a backup token can be generated for each user account. Both of these tokens perform the same function, which is to authenticate a request and identify a MCC user account.

Tip: It is highly recommended that the backup token only be used to transition your existing applications to the new primary token.

By default, a primary token is assigned to each MCC user account. At any time, a user may choose to generate a new primary token. Generating a new primary token will automatically assign the old primary token as the backup token. This allows your existing applications to authenticate to our Web Services REST API server, while you update your code to reflect the new primary token. Once you have updated all of your applications, you can delete the backup token.

Note: Keep in mind that the value associated with a backup token is automatically deleted when a new primary token is generated. Once a value has been cleared from the backup token, it can no longer be used to authenticate to the Web Services REST API server.

To generate a new primary token

1. Navigate to the My Settings page in the MCC.
2. Click **Edit**.
3. Click **Generate New Primary**.
4. If you have existing applications that require REST API authentication, then you should update your code to use the newly generated primary token.
5. Once you have updated all of your applications, click **Delete Backup**.

Setting Up REST Request Authentication

Before you can set up request authentication, you will need to know the Web Services REST API token that has been assigned to your MCC user account. You can view this token value from the My Settings page in the MCC. You will then need to set the Authorization request header to this token value. When setting the Authorization request header, you will need to prepend "TOK:" to your token value. Sample values for the Authorization request header are shown below.

TOK:12345678-1234-1234-1234-1234567890ab

tok:12345678-1234-1234-1234-1234567890AB

Note: As you can tell from the above samples, the term "TOK:" and the token value are not case-sensitive.

Note: If an invalid token value is included in your request, then a "403 Forbidden" HTTP status code will be returned. The response body will indicate that an invalid user was specified. For

more information on how invalid authentication requests are handled, please refer to the **Status Codes and Error Messages** topic.

Common Request and Response Elements

The majority of the Web Services REST API operations share basic elements, such as request headers, response headers, and status codes. This section provides a central location through which you can reference request and response headers.

Request Headers

Request headers provide information about your request to our Web Services REST API server. This information allows our server to authenticate your request and provides information that allows it to receive and translate the request body.

Important: The use of a Byte Order Mark (BOM) in a request to the REST API is not supported. Keep in mind that some user agents are configured to automatically include a BOM. Please either configure the user agent to exclude the BOM or use a different user agent.

Note: Request header values are case-insensitive.

Request Header	Description
Authorization	This header should identify the Web Services REST API token using the following format: TOK: *Web_Service_REST_API_Token* **Sample value:** TOK:12345678-1234-1234-1234-1234567890ab **Note:** For more information, please refer to the **REST Request Authentication** topic above.
Accept	This header should indicate the format in which the response will be returned. Valid values for JSON and XML are listed below. • **JSON:** Application/JSON • **XML:** Application/XML
Content-Type	This header should indicate the format of the request body. Valid values for JSON and XML are listed below. • **JSON:** Application/JSON • **XML:** Application/XML **Note:** If an operation does not have request parameters, then this header can be omitted.

Request Header	Description
Host	This header, which is set by the user agent, indicates the following host name: api.edgecast.com
Content-Length	This header, which is set by the user agent, indicates the number of bytes contained in the request body.

Response Headers

Response headers provide information about the response to your request to our Web Services REST API server. A brief description is provided for the response headers that are returned by most operations. Standard HTTP response headers are typically returned along with these common response headers.

Response Header	Description
Cache-Control	Indicates that the cache-control for the response body is "private."
Content-Length	Indicates the number of bytes in the response body.
Content-Type	Indicates the format of the response body. This header will report one of the following values: • **JSON:** Application/JSON • **XML:** Application/XML
Date	Identifies the date and time (GMT) at which your request was processed.

Status Codes and Error Messages

Each request for a Web Services REST API operation returns a standard HTTP 1.1 status code, as defined in the HTTP 1.1 Status Code Definitions (RFC 2616). The status code included in the response to your request allows you to quickly find out the results for your request. A status code of "200 OK" indicates that the requested operation was successfully performed. All other status codes indicate that an error occurred while processing your request. If the status code indicates that an error took place, then the response body may contain an error message that provides additional information as to why your request was denied. This error message is reported under a response element called "Message." A sample error message is displayed below in JSON and XML.

Note: XML schema errors are automatically rejected by the Web Services REST API server. As a result, a generic error message is returned as the response body instead of the "Message" response element.

Sample JSON error message:

```
{"Message":"Access Denied"}
```

Sample XML error message:

```
<Error xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <Message>Access Denied</Message>

</Error>
```

200 OK Status Code

As previously mentioned, a 200 OK status code indicates that the operation was successfully carried out. This means that the operation was processed by our servers and the proper response was returned. However, the proper response may be an empty response body. For example, updating an object (i.e, PUT request) will typically return an empty response body. Another instance under which an empty response body will be returned occurs when retrieving information (i.e., GET request) for an invalid object ID (e.g., edge CNAME, publishing point, stream key, etc.).

Note: If the request URI for an operation requires the identification of a customer, then an invalid account number or custom ID will result in a 400 Bad Request.

Sample request:

In the following sample request, if "10" corresponds to a valid stream key for the customer identified by account number 0001, then stream key information will be returned. Otherwise, the sample response, which can be found directly below this sample request, will be returned.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/streamkeys/10 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

Sample response:

This sample response will be returned when "10" does not correspond to a valid stream key. Please note that this sample response does not contain a response body.

```
HTTP/1.1 200 OK
Cache-Control: private
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 0
```

Error Messages

A list of common errors and their corresponding HTTP status codes is provided below.

Error Message Type	HTTP Status Code	Description
Inactive/Deleted Customer	400 Bad Request	The customer account number specified in the request URI corresponds to an inactive customer account. The response may contain a Message element that reports "Cannot update or retrieve information of a deleted customer."
Invalid Customer ID Value/Invalid ID Value	400 Bad Request	The customer account number specified in the request URI does not correspond to the customer account associated with the Web Services REST API token specified in the Authorization header.
Invalid Request/Response Type	400 Bad Request	The format specified for the request body does not match the one specified in the Content-Type request header. A generic request error will be returned for this error type.
Invalid Request URL/Parameter	400 Bad Request	This type of error message occurs when the request URL or a parameter value in the request body contains invalid or improperly formatted data. Below you will find common scenarios for this type of error message. • The request URL is invalid. Make sure that all characters are URL encoded. For example, space characters in a custom ID should be replaced by "%20." • A parameter value does not match the expected format. For example, an e-mail address does not contain an @ symbol. • An invalid value was specified for a parameter. For example, a 2 was specified for a request parameter that can only accept a value of 1 or 3. • A blank value was specified for a required request parameter. • The value specified for a required request parameter is of an invalid data type. For example, a letter is specified for an integer field. A generic message is returned for XML schema errors.

Error Message Type	HTTP Status Code	Description
Missing Required Fields	400 Bad Request	This type of error message occurs when a required field for the requested operation was not properly specified. Below you will find common scenarios for this type of error message. • An empty value was specified for a required field. • A required request parameter was not included in the request. A generic message is returned for XML schema errors.
Authentication Failure	403 Forbidden	If a request was not authorized by the Web Services REST API server due to a missing or an invalid token value, then the response will contain a Message element that reports either "Invalid user" or "Access Denied." Please verify the following items: • The Authorization request header was included in your request. • The proper format was used to specify the Web Services REST API token. (i.e., TOK: *Web_Service_REST_API_Token*). • The specified token value matches the primary or backup token assigned to your account. • Keep in mind that the entire value specified for the Authorization header will be used to authenticate a user. Make sure that no characters other than the token header (i.e., TOK:) and the token value have been specified. For example, enclosing the Authorization header value in quotes will generate a 403 Forbidden status code.
Insufficient Access Rights	403 Forbidden	If a request was made by a user with insufficient privileges, then the response will contain a message indicating insufficient access.
Invalid Case	403 Forbidden	This type of error message occurs when a request is formed using improper case.

Error Message Type	HTTP Status Code	Description
Invalid Request URI	404 Not Found	This type of error message occurs when the URI is requesting an operation that does not exist. Typically, this type of error will return an "Endpoint not found" message. Verify the URI of the offending request. If the URI appears to be correct, make sure that you have not appended a forward slash (/) to the end of the URI.
Invalid Request	405 Method Not Allowed	This type of error message typically occurs when the specified HTTP method (i.e., GET, PUT, POST, or DELETE) is not allowed for the operation specified by the URI. For example, if you are performing a GET function on an operation that only accepts a POST.
Server Error	500 Internal Server Error	This type of error message occurs when the Web Services REST API server was unable to handle your request. The response for this type of error will contain a Message element that reports "Operation Error." Sample scenarios under which this status code will be reported are listed below. • The URI is not properly formatted for the requested operation. • The Web Services REST API database is not properly responding to the request.

XML Requests

A Web Services REST API request can be performed using either XML or JSON. If you would like to request an add or update (i.e., POST or PUT, respectively) operation using XML, then make sure that the request body does not contain reserved characters. A reserved character must be specified using its corresponding entity reference. The following table lists common reserved characters along with their entity reference.

Reserved Character	Description	Entity Reference
>	Greater than	>
<	Less than	<
&	Ampersand	&
%	Percent	%

Another important factor to keep in mind when performing an add or update operation is the order in which request parameters have been documented. If parameters are specified in the

request body using a different order, then some of the request parameters may not be passed by the Web Services REST API service. This will cause that data to be dropped from the request.

Important: No indication will be provided that data has not been properly delivered to the Web Services REST API. If an error is not detected in your request, then a 200 OK HTTP status code will be returned. However, some of the specified values may not have been assigned to their respective fields.

Note: Although the order in which request parameters are specified matters, this does not mean that all parameters are required. You may still choose to omit or exclude as many optional parameters as desired.

Sample XML Requests

We will now examine how to request an operation using XML. This sample operation has three request parameters. Notice that Field_B is a required field.

Name	Description
Field_A	Description for Field A.
Field_B	Required. Description for Field B.
Field_C	Description for Field C.

Sample Invalid Request A

The following request body is invalid because Field_C appears before Field_B.

```
<SampleAdd xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <Field_C>Sample_Text</Field_C>

        <Field_B>Sample_Text</Field_B>

</SampleAdd>
```

Sample Invalid Request B

The following request body is invalid because Field_B appears before Field_A.

```
<SampleAdd xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <Field_B>Sample_Text</Field_B>

        <Field_A>Sample_Text</Field_A>

        <Field_C>Sample_Text</Field_C>

</SampleAdd>
```

Sample Valid Request A

Although Field_C has been omitted, all request parameters are listed in the proper order. Therefore, this is a valid request.

```
<SampleAdd xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <Field_A>Sample_Text</Field_A>

        <Field_B>Sample_Text</Field_B>

</SampleAdd>
```

Sample Valid Request B

Although Field_A has been omitted, all request parameters are listed in the proper order. Therefore, this is a valid request.

```
<SampleAdd xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <Field_B>Sample_Text</Field_B>

        <Field_C>Sample_Text</Field_C>

</SampleAdd>
```

Account Status

A customer's account status determines the type of operations that can be performed on it. There are four different types of customer account statuses, which are active, inactive, suspended, and trial. The type of operations that can be performed for each customer account status is described below.

Customer Account Status	Valid Operations
Active	All
Inactive	None
Suspended	Core Reporting Advanced Content Analytics
Trial	All

Note: Your account status is determined by your CDN account manager. If you suspect that your account has been mistakenly been suspended or marked as inactive, please contact your CDN account manager.

Notation Conventions

The following table describes the notation conventions that are used in this guide.

Name	Description
Bold Text	Non-bulleted bold text indicates a reference to a section or chapter heading.
• **Bold text:**	The significance of bulleted bold text depends on the context in which it appears. The most common usages are listed below. • Identifies a term in the request URI. • Identifies a valid value for a request parameter. • Identifies a return value for a response parameter.
Italic Text	Italic text identifies a term that should be replaced with a valid value. Typically, this type of term appears in the request URI.
Parameter	Orange bold font is used to indicate that a request parameter is required. A valid value must be specified for a required request parameter.
Parameter	Gray bold font is used to indicate that a request URI, a request parameter, or a return parameter has been designated as legacy. It is highly recommended to avoid using a legacy URI, request parameter, or return parameter.
`Field`	A sample request or response is indicated by a gray block of text.

Media Management

Overview

Media management operations allow you to perform basic tasks that affect how users access your content. A list of the available media management operations can be found below.

Operation Name	Description
Add Authentication Directory (Legacy)	This legacy operation, which has been deprecated in favor of the Add Token-Based Authentication Directory operation, adds a platform-specific location that will be protected by Token-Based Authentication.
Add Customer Origin - ADN	Adds a customer origin configuration to the ADN platform.
Add Customer Origin - FMS	Adds a customer origin configuration to the FMS platform.
Add Customer Origin - HTTP Large	Adds a customer origin configuration to the HTTP Large platform.
Add Customer Origin - HTTP Small	Adds a customer origin configuration to the HTTP Small platform.
Add Edge CNAME	Adds an edge CNAME configuration.
Add Publishing Point (HLS/HDS – Live Streaming)	Adds a publishing point that can be used with either HTTP Live Streaming and/or HTTP Dynamic Streaming.
Add Publishing Point (Smooth Streaming – Live Streaming)	Adds a publishing point that can be used with Smooth Streaming.
Add Stream Key (Flash Media Streaming)	Adds a stream key for live authentication on the Flash Media Streaming platform.
Add SWF Verification URL	Adds a URL that points to a SWF file to the SWF Verification list.
Add Token-Based Authentication Directory	Adds a platform-specific location that will be protected by Token-Based Authentication.
Add Zone	Adds a DNS zone.
Check All SWF Verification URLs	Checks each SWF file in the SWF Verification list.
Copy Zone	Creates a copy of a DNS zone.
Delete Customer Origin	Deletes a customer origin configuration.

Operation Name	Description
Delete Edge CNAME	Deletes an edge CNAME configuration.
Delete Publishing Point (HLS/HDS – Live Streaming)	Deletes a HLS/HDS publishing point.
Delete Publishing Point (Smooth Streaming – Live Streaming)	Deletes a Smooth Streaming publishing point.
Delete Stream Key (Flash Media Streaming)	Deletes a stream key from the Flash Media Streaming platform.
Delete SWF Verification URL	Deletes a SWF Verification URL from the Flash Media Streaming platform.
Delete Token-Based Authentication Directory	Deletes a directory from the list of locations secured by Token-Based Authentication.
Delete Zone	Deletes a DNS zone.
Encrypt Token Data	Encrypts data for use with Token-Based Authentication.
Get All Compression Settings	Retrieves compression setting information for each HTTP platform.
Get All Customer Origins - ADN	Retrieves a list of customer origin configurations associated with the ADN platform.
Get All Customer Origins - FMS	Retrieves a list of customer origin configurations associated with the FMS platform.
Get All Customer Origins - HTTP Large	Retrieves a list of customer origin configurations associated with the HTTP Large platform.
Get All Customer Origins - HTTP Small	Retrieves a list of customer origin configurations associated with the HTTP Small platform.
Get All Edge CNAMEs - ADN	Retrieves a list of all edge CNAME configurations for the ADN platform.
Get All Edge CNAMEs - FMS	Retrieves a list of all edge CNAME configurations for the Flash Media Streaming platform.
Get All Edge CNAMEs - HTTP Large	Retrieves a list of all edge CNAME configurations for the HTTP Large platform.
Get All Edge CNAMEs - HTTP Small	Retrieves a list of all edge CNAME configurations for the HTTP Small platform.
Get All Edge Nodes	Retrieves a detailed list of all edge nodes (i.e., POPs).
Get All Publishing Points (HLS/HDS – Live Streaming)	Retrieves a detailed list of all publishing points that can leverage HLS/HDS.

Operation Name	Description
Get All Publishing Points (Smooth Streaming – Live Streaming)	Retrieves a detailed list of all publishing points that can leverage Smooth Streaming.
Get All Query String Caching Settings	Retrieves the current value assigned to the **Query String Caching** option for each HTTP platform.
Get All Query String Logging Settings	Retrieves the current value assigned to the **Query String Logging** option for each HTTP platform.
Get All Stream Keys (Flash Media Streaming)	Retrieves a list of stream keys for the Flash Media Streaming platform.
Get All SWF Verification URLs	Retrieves a list of SWF Verification URLs for the Flash Media Streaming platform.
Get All Token-Based Authentication Directories	Retrieves a list of directories that have been secured by Token-Based Authentication on the specified platform.
Get All Zones	Retrieves a list of DNS zones.
Get Available Event Log Fields	Retrieves a list of WAF event log fields and their definitions.
Get Available Health Check Reintegration Methods	Retrieves a list of the available types of health check reintegration methods.
Get Available Health Check Types	Retrieves a list of the available types of health checks.
Get Available HTTP Methods (Health Checks)	Retrieves a list of the available types of supported HTTP methods.
Get Available IP Versions (Health Checks)	Retrieves a list of the available types of supported IP versions.
Get Available Load Balancing and Failover Group Types	Retrieves a list of the available types of load balancing and failover groups.
Get Available Record Types	Retrieves a list of the available types of records.
Get Available Zone Statuses	Retrieves a list of the available types of zone statuses.
Get Available Zone Types	Retrieves a list of the available types of zones.
Get Compression Settings	Retrieves compression setting information for the specified platform.
Get Customer Origin - ADN	Retrieves the specified ADN customer origin configuration.
Get Customer Origin - FMS	Retrieves the specified FMS customer origin configuration.
Get Customer Origin - HTTP Large	Retrieves the specified HTTP Large customer origin configuration.

Operation Name	Description
Get Customer Origin - HTTP Small	Retrieves the specified HTTP Small customer origin configuration.
Get Edge CNAME	Retrieves the specified edge CNAME configuration.
Get Event Count	Retrieves the total number of WAF events that occurred during the specified time period.
Get Event Log Entries	Retrieves WAF event log data.
Get Event Log Entry	Retrieves a specific WAF event log entry.
Get Global Key (Flash Media Streaming)	Retrieves the global live authentication key for the Flash Media Streaming platform.
Get Log Format Settings	Retrieves log format settings. These settings affect all HTTP platforms.
Get Log Storage Settings	Retrieves general and platform-specific log storage settings.
Get Origin Shield POPs - HTTP Large	Retrieves a list of Origin Shield locations for the HTTP Large platform.
Get Origin Shield POPs - HTTP Small	Retrieves a list of Origin Shield locations for the HTTP Small platform.
Get Publishing Point (HLS/HDS – Live Streaming)	Retrieves information and settings associated with the specified HLS/HDS publishing point.
Get Publishing Point (Smooth Streaming – Live Streaming)	Retrieves information and settings associated with the specified Smooth Streaming publishing point.
Get Purge Request	Retrieves information associated with the specified purge request.
Get Query String Caching Setting	Retrieves the current value for the **Query String Caching** option on the specified platform.
Get Query String Logging Setting	Retrieves the current value for the **Query String Logging** option on the specified platform.
Get Stream Key (Flash Media Streaming)	Retrieves a stream key for the Flash Media Streaming platform.
Get SWF Verification Status	Indicates whether the SWF Verification feature is currently enabled.
Get SWF Verification URL	Retrieves the specified SWF Verification URL.
Get Token-Based Authentication Directory	Retrieves the specified Token-Based Authentication secured directory.
Get Top Event Log Entries	Retrieves up to the top 10 WAF events for a particular event log field.

Operation Name	Description
Get Zone	Retrieves the specified DNS zone.
Load Content	Loads the specified asset on all of our POPs.
Purge Content	Purges the specified asset from all of our POPs.
Reselect ADN Gateway	Updates the ADN gateway listing for a customer origin configuration.
Shut Down Publishing Point (Smooth Streaming – Live Streaming)	Shuts down the specified Smooth Streaming publishing point.
Update Compression Settings	Updates compression setting information on the specified platform.
Update Customer Origin - ADN	Updates the settings for an ADN customer origin configuration.
Update Customer Origin - FMS	Updates the settings for a Flash Media Streaming customer origin configuration.
Update Customer Origin - HTTP Large	Updates the settings for an HTTP Large customer origin configuration.
Update Customer Origin - HTTP Small	Updates the settings for an HTTP Small customer origin configuration.
Update Edge CNAME	Updates the settings for the specified edge CNAME configuration.
Update Global Key (Flash Media Streaming)	Updates the global live authentication key used by the Flash Media Streaming platform.
Update Log Format Settings	Updates log format settings. These settings affect all HTTP platforms.
Update Log Storage Settings	Updates general and platform-specific log storage settings.
Update Primary Key	Updates the platform-specific primary key used by Token-Based Authentication to encrypt and decrypt token values.
Update Publishing Point (HLS/HDS – Live Streaming)	Updates the settings for the specified HLS/HDS publishing point.
Update Publishing Point (Smooth Streaming – Live Streaming)	Updates the settings for the specified Smooth Streaming publishing point.
Update Query String Caching Setting	Determines how query strings will be handled on an HTTP platform with regards to caching.
Update Query String Logging Status	Determines how query strings will be handled on an HTTP platform with regards to log data.

Operation Name	Description
Update Stream Key (Flash Media Streaming)	Updates the properties of an existing stream key for the Flash Media Streaming platform.
Update SWF Verification Status	Determines whether the SWF Verification feature is currently enabled.
Update SWF Verification URL	Updates the URL associated with the specified SWF Verification URL.
Update Token-Based Authentication Directory	Updates the specified Token-Based Authentication secured directory.
Update Zone	Updates the specified DNS zone.

Cache Management

An asset can be cached or purged from all of our POPs. These tasks can be performed through the Load Content and the Purge Content operations.

Get Purge Request

This operation allows you to retrieve information about a purge request.

Request

A request to retrieve a purge request is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **PurgeID:** Replace this term with an integer that identifies a purge request by its ID. This ID is returned by the Purge Content operation.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/edge/purge/*PurgeID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation contains the following response elements:

Name	Description
AccountNumber	A string that indicates the CDN account number associated with the purge request.
CompleteDate	A string that indicates the date and time on which the purge request was completed. **Format:** *YYYY-MM-DD hh:mm*
Id	A string that identifies a purge request by its unique ID.
InDate	A string that indicates the date and time on which the purge request was submitted. **Format:** *YYYY-MM-DD hh:mm*
MediaPath	A string that indicates the CDN or edge CNAME URL for which a purge request was submitted.
MediaTypeId	An integer that indicates the service associated with the purge request. Valid values are: • **2:** Flash Media Streaming • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/edge/purge/522e0c33e5671c06c14224d7
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 234


{
        "AccountNumber" : "0001",
        "CompleteDate" : "2013-09-09 17:59",
        "Id" : "522e0c33e5671c06c14224d7",
        "InDate" : "2013-09-09 17:58",
        "MediaPath" : "http:\/\/wpc.0001.edgecastcdn.net\/000001\/folder1\/*",
        "MediaTypeId" : 3
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/edge/purge/522e0c33e5671c06c14224d7
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 386
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

```
<Purge xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <AccountNumber>0001</AccountNumber>

        <CompleteDate>2013-09-09 17:59</CompleteDate>

        <Id>522e0c33e5671c06c14224d7</Id>

        <InDate>2013-09-09 17:58</InDate>

        <MediaPath>http://wpc.0001.edgecastcdn.net/000001/folder1/*</MediaPath>

        <MediaTypeId>3</MediaTypeId>

</Purge>
```

Load Content

This operation is used to load (i.e., cache) an asset on our edge servers.

Important: There is a default limit of 50 concurrent load requests at any given time. Exceeding this limit will generate a 400 Bad Request.

Tip: Only a single asset can be loaded per call. If you would like to load multiple assets, then you will need to write your code to call this operation once per load request.

Note: This operation takes a few minutes to cache your asset across all of our POPs. However, a response will be returned immediately.

Request

A request to load an asset is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/edge/load

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
The required request parameters for this operation are described below.

Name	Description
MediaPath	Required. A string that indicates the CDN or edge CNAME URL for the asset that will be loaded to our edge servers. Make sure to include the proper protocol (i.e., HTTP://, RTMP://, or MMS://).
	Note: For the purpose of this operation, the http:// and https:// protocols are interchangeable.
MediaType	Required. An integer that indicates the service for which an asset will be loaded. It should be replaced with the ID associated with the desired service. Valid values for this operation are: **2:** Flash Media Streaming **3:** HTTP Large **8:** HTTP Small **14:** Application Delivery Network (ADN)

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/edge/load HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 92


{
        "MediaPath":"http:\/\/wpc.0001.edgecastcdn.net\/000001\/WebPage.htm",
        "MediaType":3
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 0
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/edge/load HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 193
<MediaContentLoad xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <MediaPath>http://wpc.0001.edgecastcdn.net/000001/WebPage.htm</MediaPath>
        <MediaType>3</MediaType>
</MediaContentLoad>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 0
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Purge Content

This operation is used to purge (i.e., delete) the cached version of an asset from our edge servers.

Important: There is a default limit of 50 concurrent purge requests at any given time. Exceeding this limit will generate a 400 Bad Request.

Tip: Only a single location can be purged per call. If you would like to purge multiple locations, then you will need to write your code to call this operation once per purge request.

Note: An asset only needs to be purged a single time per platform & location. The asset will be purged for all CDN and edge CNAME URLs that point to the purge location, regardless of the protocol (i.e., HTTP or HTTPS) used to reach it.

Note: This operation takes a few minutes to purge an asset from all of our POPs. However, a response will be returned immediately.

Request

A request to purge an asset is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/edge/purge

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The required request parameters for this operation are described below.

Name	Description
MediaPath	Required. A string that indicates the CDN or edge CNAME URL for the asset or the location that will be purged from our edge servers. Make sure to include the proper protocol (i.e., http:// or rtmp://). For information on how to set the scope of the purge action, please refer to the **Purge Syntax** section in **Appendix A**.
	Note: For the purpose of this operation, the http:// and https:// protocols are interchangeable.

Name	Description
MediaType	Required. An integer that indicates the service for which an asset will be purged. It should be replaced with the ID associated with the desired service. Valid values for this operation are: • **2:** Flash Media Streaming • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Id	An integer that reports the unique number assigned to the purge request.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/edge/purge HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Content-Type: application/json

Host: api.edgecast.com

Content-Length: 92

{

        "MediaPath":"http:\/\/wpc.0001.edgecastcdn.net\/000001\/WebPage.htm",

        "MediaType":3

}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 39


{

        "Id" : "522e0c33e5671c06c14224d7"

}
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/edge/purge HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Content-Type: application/xml

Host: api.edgecast.com

Content-Length: 195


<MediaContentPurge xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <MediaPath>http://wpc.0001.edgecastcdn.net/000001/WebPage.htm</MediaPath>

        <MediaType>3</MediaType>

</MediaContentPurge>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 161


<PurgeId xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Id>522e0c98e5671c06c14224d8</Id>
</PurgeId>
```

Cache Settings

The operations covered in this section allow you to administer query string cache settings. They allow you to update and find out the query string cache and log settings across all HTTP platforms.

Get All Compression Settings

This operation provides compression setting information for all HTTP platforms. This means that it allows you to find out the current status of the **Compression** option and the file types that will be compressed.

Request

A request to find out compression setting information is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/compression

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each set of platform-specific compression setting returned by this operation:

Name	Description
MediaTypeId	An integer that indicates the platform for which compression setting information will be reported. Valid values for this response element are: • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)
Status	An integer that indicates whether compression has been enabled. Valid values for this response element are: • **0:** Indicates that compression has been disabled on the specified platform. • **1:** Indicates that compression has been enabled on the specified platform.
ContentTypes	If the **Compression** setting has been enabled, then this response element will contain the set of content types on which compression will be applied.
a:string	A string that indicates a content type on which compression will be applied.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/compression HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 231

[{
        "MediaTypeId" : 3,
        "Status" : 1,
        "ContentTypes" : ["text\/plain", "text\/html", "text\/css",
    "application\/x-javascript", "text\/javascript"]
    }, {
        "MediaTypeId" : 8,
        "Status" : 0,
        "ContentTypes" : [""]
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/compression HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 890
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<ArrayOfCustomerCompressionResultAPI
xmlns="http://www.whitecdn.com/schemas/apiservices/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <CustomerCompressionResultAPI>

            <MediaTypeId>3</MediaTypeId>

            <Status>1</Status>

            <ContentTypes
        xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">

              <a:string>text/plain</a:string>

              <a:string>text/html</a:string>

              <a:string>text/css</a:string>

              <a:string>application/x-javascript</a:string>

              <a:string>text/javascript</a:string>

            </ContentTypes>

        </CustomerCompressionResultAPI>

        <CustomerCompressionResultAPI>

            <MediaTypeId>8</MediaTypeId>

            <Status>0</Status>

            <ContentTypes
        xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">

              <a:string />

            </ContentTypes>

        </CustomerCompressionResultAPI>
</ArrayOfCustomerCompressionResultAPI>
```

Get All Query String Caching Settings

This operation allows you to find out the value assigned to the **Query-String Caching** option for all HTTP platforms.

Request

A request to find out query string caching setting information is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/querystringcaching

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each setting returned by this operation:

Name	Description
MediaTypeId	An integer that indicates the platform for which query string caching information is being reported. Valid values for this response element are: • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)
QueryStringCaching	A string that indicates the value associated with the query string caching setting on the specified platform. Valid values for this response element are: • **standard-cache:** This mode ignores query strings in the URL when caching assets. • **no-cache:** This mode prevents requests containing query strings from being cached. • **unique-cache:** This mode caches an asset for each request made with a unique URL.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/querystringcaching HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 85


[{
           "MediaTypeId" : 3,
           "QueryStringCaching" : "unique-cache"
      }, {
           "MediaTypeId" : 8,
           "QueryStringCaching" : "unique-cache"
      }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/querystringcaching HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 523
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfCustomerQueryStringCachingResult
xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <CustomerQueryStringCachingResult>
          <MediaTypeId>3</MediaTypeId>
          <QueryStringCaching>unique-cache</QueryStringCaching>
      </CustomerQueryStringCachingResult>
```

```
      <CustomerQueryStringCachingResult>
            <MediaTypeId>8</MediaTypeId>
            <QueryStringCaching>unique-cache</QueryStringCaching>
      </CustomerQueryStringCachingResult>
</ArrayOfCustomerQueryStringCachingResult>
```

Get All Query String Logging Settings

This operation allows you to find out the value assigned to the **Query-String Logging** option for all HTTP platforms.

Request

A request to find out query string logging information is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/querystringlogging

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each query string logging setting returned by this operation:

Name	Description
MediaTypeId	An integer that indicates the platform for which query string logging information was reported. Valid values for this response element are: • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)
QueryStringLogging	A string that indicates the value associated with the query string logging setting on the specified platform. Valid values for this response element are: • **no-log:** This mode excludes a URL's query string when recording CDN activity in a raw log file. • **log:** This mode includes a URL's query string when recording CDN activity in a raw log file.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/querystringlogging HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 85
```

```
[{
            "MediaTypeId" : 3,
            "QueryStringLogging" : "log"
      }, {
            "MediaTypeId" : 8,
            "QueryStringLogging" : "log"
      }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/querystringlogging HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 523
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfCustomerQueryStringLoggingResult
xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <CustomerQueryStringLoggingResult>
            <MediaTypeId>3</MediaTypeId>
            <QueryStringLogging>log</QueryStringLogging>
      </CustomerQueryStringLoggingResult>
      <CustomerQueryStringLoggingResult>
            <MediaTypeId>8</MediaTypeId>
            <QueryStringLogging>log</QueryStringLogging>
      </CustomerQueryStringLoggingResult>
</ArrayOfCustomerQueryStringLoggingResult>
```

Get Compression Setting

This operation provides compression setting information for the specified HTTP platform. This means that it allows you to find out the current status of the **Compression** option and the file types that will be compressed.

Request

A request to find out compression setting information is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **MediaTypeID:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

    - **3:** HTTP Large

    - **8:** HTTP Small

    - **14:** Application Delivery Network (ADN)

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/compression?mediatypeid=*MediaTypeID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Description
MediaTypeId	An integer that indicates the platform for which compression setting information will be reported. Valid values for this response element are: • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)
Status	An integer that indicates whether compression has been enabled. Valid values for this response element are: • **0:** Indicates that compression has been disabled on the specified platform. • **1:** Indicates that compression has been enabled on the specified platform.
ContentTypes	If the **Compression** setting has been enabled, then this response element will contain the set of content types on which compression will be applied.
a:string	A string that indicates a content type on which compression will be applied.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/compression?mediatypeid=3 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 149


{
        "MediaTypeId" : 3,
        "Status" : 1,
        "ContentTypes" : ["text\/plain", "text\/html", "text\/css", "application\/x-
        javascript", "text\/javascript"]
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/compression?mediatypeid=3 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 531
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<CustomerCompressionResultAPI xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <MediaTypeId>3</MediaTypeId>
        <Status>1</Status>
        <ContentTypes
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
          <a:string>text/plain</a:string>
          <a:string>text/html</a:string>
          <a:string>text/css</a:string>
          <a:string>application/x-javascript</a:string>
```

```
            <a:string>text/javascript</a:string>
        </ContentTypes>
</CustomerCompressionResultAPI>
```

Get Query String Caching Setting

This operation allows you to find out the value assigned to the **Query-String Caching** option for the specified HTTP platform.

Request

A request to find out query string caching setting information is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **MediaTypeID:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

    - **3:** HTTP Large

    - **8:** HTTP Small

    - **14:** Application Delivery Network (ADN)

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/ querystringcaching?mediatypeid=*MediaTypeID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Description
MediaTypeId	An integer that indicates the platform for which query string caching information was reported. Valid values for this response element are: • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)
QueryStringCaching	A string that indicates the value associated with the query string caching setting on the specified platform. Valid values for this response element are: • **standard-cache:** This mode will ignore query strings in the URL when caching assets. • **no-cache:** This mode prevents requests containing query strings from being cached. • **unique-cache:** This mode will cache an asset for each request made with a unique URL.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/querystringcaching?mediatypeid=3
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 85

{
        "MediaTypeId" : 3,
        "QueryStringCaching" : "unique-cache"
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/querystringcaching?mediatypeid=3
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 266
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<CustomerQueryStringCachingResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <MediaTypeId>3</MediaTypeId>
        <QueryStringCaching>unique-cache</QueryStringCaching>
</CustomerQueryStringCachingResult>
```

Get Query String Logging Setting

This operation allows you to find out the value assigned to the **Query-String Logging** option for the specified HTTP platform.

Request

A request to find out query string logging information is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **MediaTypeID:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

  - **3:** HTTP Large

  - **8:** HTTP Small

  - **14:** Application Delivery Network (ADN)

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/ querystringlogging?mediatypeid=*MediaTypeID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Description
MediaTypeId	An integer that indicates the platform for which query string logging information was reported. Valid values for this response element are: • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)
QueryStringCaching	A string that indicates the value associated with the query string caching setting on the specified platform. Valid values for this response element are: • **no-log:** This mode excludes a URL's query string when recording CDN activity in a raw log file. • **log:** This mode includes a URL's query string when recording CDN activity in a raw log file.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/querystringlogging?mediatypeid=3
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 85
```

```
{
        "MediaTypeId" : 3,
        "QueryStringLogging" : "log"
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/querystringlogging?mediatypeid=3
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 253
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<CustomerQueryStringLoggingResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <MediaTypeId>3</MediaTypeId>
        <QueryStringLogging>log</QueryStringLogging>
</CustomerQueryStringLoggingResult>
```

Update Compression Settings

This operation updates compression setting information for the specified HTTP platform. This means that it allows you to set the current status of the **Compression** option and the file types that will be compressed.

Request

A request to set compression setting information is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/compression

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

Required and optional parameters are described below.

Name	Description
ContentTypes	Required. This response element can contain the set of content types on which compression will be applied.
string	A string that indicates a specific content type (e.g., text/plain) on which compression will be applied.
	Note: If you plan on using XML, then you will need to include the following XML namespace when specifying each content type: http://schemas.microsoft.com/2003/10/Serialization/Arrays (e.g., <string xmlns=" http://schemas.microsoft.com/2003/10/Serialization/Arrays ">).
MediaTypeId	Required. An integer that determines the platform for which compression setting information will be reported. Valid values for this response element are: • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)

Name	Description
Status	An integer that determines whether compression will be enabled. Valid values for this response element are: • **0:** Indicates that compression will be enabled on the specified platform. • **1:** Indicates that compression will be disabled on the specified platform.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/compression HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 149
```

```
{
        "ContentTypes" : ["text\/plain", "text\/html", "text\/css", "application\/x-
        javascript", "text\/javascript"],

        "MediaTypeId" : 3,

        "Status" : 1
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/compression HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Content-Type: application/xml

Host: api.edgecast.com

Content-Length: 531


<CustomerCompressionUpdate xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <ContentTypes>

            <string xmlns="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
        text/plain</string>

            <string xmlns="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
        text/html</string>

            <string xmlns="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
        text/css</string>

            <string xmlns="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
        application/x-javascript</string>

            <string xmlns="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
        text/javascript</string>

          </ContentTypes>

          <MediaTypeId>3</MediaTypeId>

          <Status>1</Status>

</CustomerCompressionUpdate>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Update Query String Caching Setting

This operation allows you to set the **Query-String Caching** option for the specified HTTP platform.

Request

A request to set the query string caching setting is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/querystringcaching

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
The required request parameters for this operation are described below.

Name	Description
MediaTypeId	Required. An integer that determines the platform on which the query string caching setting will be set. Valid values for this request parameter are: • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)

Name	Description
QueryStringCaching	Required. A case-sensitive string that determines the value that will be assigned to the query string caching setting on the specified platform. Valid values for this response element are: • **standard-cache:** This mode ignores query strings in the URL when caching assets. • **no-cache:** This mode prevents requests containing query strings from being cached. • **unique-cache:** This mode caches an asset for each request made with a unique URL.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/querystringcaching HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 47
```

```
{
        "MediaTypeId" : 8,
        "QueryStringCaching" : "no-cache"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/querystringcaching HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 201


<CustomerQueryStringCachingUpdate xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <MediaTypeId>8</MediaTypeId>
        <QueryStringCaching>no-cache</QueryStringCaching>
</CustomerQueryStringCachingUpdate>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Update Query String Logging Status

This operation allows you to set the **Query-String Logging** option for the specified HTTP platform.

Request

A request to set the query string logging setting is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/ querystringlogging

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The required request parameters for this operation are described below.

Name	Description
MediaTypeId	Required. An integer that determines the platform on which the query string logging setting will be set. Valid values for this request parameter are: • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)
QueryStringLogging	Required. A case-sensitive string that determines the value that will be assigned to the query string logging setting on the specified platform. Valid values for this response element are: • **no-log:** This mode excludes a URL's query string when recording CDN activity in a raw log file. • **log:** This mode includes a URL's query string when recording CDN activity in a raw log file.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/querystringlogging HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 52


{
        "MediaTypeId" : 8,
        "QueryStringLogging" : "log"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/querystringlogging HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 196


<CustomerQueryStringLoggingUpdate xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <MediaTypeId>8</MediaTypeId>
        <QueryStringLogging>log</QueryStringLogging>
</CustomerQueryStringLoggingUpdate>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Customer Origin

The operations covered in this section allow you to add, retrieve, update, and delete customer origins. The creation and modification of a customer origin is handled by platform-specific operations, while the deletion of a customer origin can be performed by a single operation.

Add Customer Origin (ADN)

This operation allows you to add a customer origin to the ADN platform.

Request

A request to create a customer origin is described below. When submitting this request, you will need to define the following term:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/adn

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The required request parameters for this operation are described below.

Note: The indented parameters indicate that they are a property of the request parameter directly above it. When submitting a request, you will need to use the proper syntax to indicate this relationship. Please refer to the parent request parameter for more information.

Note: Hostnames are associated with a customer origin configuration according to the request type (i.e., HTTP or HTTPS) that they will handle. Although you may choose to define a set of hostnames for each request type, you are only required to specify a single hostname and load balancing method for either request type. If you choose to define one or more hostnames, then you will also need to define the load balancing method for that request type.

Name	Description
DirectoryName	Required. An alphanumeric string that identifies your customer origin configuration. It is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://adn.0001.edgecastcdn.net/800001/*CustomerOrigin*).

Name	Description
FollowRedirects	A Boolean that determines whether our edge servers will respect a URL redirect when validating the set of optimal ADN gateway servers for your customer origin configuration. **Default Value:** False
HostHeader	Required. A string that identifies the IP address/hostname and port associated with a request. A host header is especially useful when there are multiple virtual domains hosted on a single physical server or load-balanced set of servers. **Note:** A protocol should not be specified when setting this parameter.
HttpHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTP requests. Keep in mind the following formatting information: • **XML:** Each hostname must be contained within a \<Hostname\> tag. • **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces.
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being created. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80)

Name	Description
HttpLoadBalancing	Required. A string that determines how HTTP requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
HttpsHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTPS requests. Keep in mind the following formatting information: • **XML:** Each hostname must be contained within a <Hostname> tag. • **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces. **Important:** This request parameter is only available for customers that have purchased an SSL certificate or the HTTPS feature.

Name	Description
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being created. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80) **Note:** If you specify HTTP hostnames to serve HTTPS requests, then you will sacrifice end-to-end data encryption.
HttpsLoadBalancing	Required. A string that determines how HTTPS requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.

Name	Description
NetworkConfiguration	An integer that determines how hostnames associated with this customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.
ValidationURL	Required. A string that defines the URL to a sample asset stored on your servers. A set of optimal ADN gateway servers for your customer origin server is determined through the delivery of this sample asset. **Note:** Make sure that the domain in the specified URL matches the one defined in the HostHeader request parameter.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
CustomerOriginId	An integer that indicates the unique ID assigned to this customer origin configuration.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/origins/adn HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 419


{
        "DirectoryName" : "MyWebServer",
        "HostHeader" : "webapp.mydomain.com:80",
        "HttpHostnames" :
        [{
                        "Name" : "http:\/\/webapp1.mydomain.com:80"
                }, {
                        "Name" : "http:\/\/webapp2.mydomain.com:80"
                }
        ],
        "HttpLoadBalancing" : "RR",
        "HttpsHostnames" :
        [{
                        "Name" : "https:\/\/webapp.mydomain.com:443"
                }
        ],
        "HttpsLoadBalancing" : "PF",
        "ValidationURL":"http:\/\/webapp.mydomain.com:80\/images\/PerformanceTestObject_
        5k.gif"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 25
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


{
        "CustomerOriginId" : 123456
}
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/origins/adn HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 669


<CustomerOriginParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <DirectoryName>MyWebServer</DirectoryName>
        <HostHeader>webapp.mydomain.com:80</HostHeader>
        <HttpHostnames>
                <Hostname>
                        <Name>http://webapp1.mydomain.com:80</Name>
                </Hostname>
                <Hostname>
                        <Name>http://webapp2.mydomain.com:80</Name>
                </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>RR</HttpLoadBalancing>
        <HttpsHostnames>
                <Hostname>
                        <Name>https://webapp.mydomain.com:443</Name>
                </Hostname>
        </HttpsHostnames>
```

```
        <HttpsLoadBalancing>PF</HttpsLoadBalancing>

        <ValidationURL>http://webapp.mydomain.com:80/images/PerformanceTestObject_5k.gif
        </ValidationURL>

</CustomerOriginParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 203

Content-Type: application/xml; charset=utf-8

Date: Mon, 10 Jan 2011 12:00:00 GMT


<CustomerOriginAddResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <CustomerOriginId>123456</CustomerOriginId>

</CustomerOriginAddResult>
```

Add Customer Origin (Flash Media Streaming)

This operation allows you to add a customer origin to the Flash Media Streaming platform.

Request

A request to create a customer origin configuration is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/flash

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
The required request parameters for this operation are described below.

Note: The indented parameters indicate that they are a property of the request parameter directly above it. When submitting a request, you will need to use the proper syntax to indicate this relationship. Please refer to the parent request parameter for more information.

Name	Description
DirectoryName	Required. An alphanumeric string that identifies your customer origin configuration. It is appended to the end of the base CDN URL that points to your customer origin server (e.g., rtmp://fms.0001.edgecastcdn.net/800001/***CustomerOrigin***).
HostHeader	Required. A string that identifies the IP address/hostname and port that will be reported in the Host header field for requests to this customer origin. A host header is especially useful when there are multiple virtual domains hosted on a single physical server or load-balanced set of servers.
	Note: A protocol should not be specified when setting this parameter.
HttpHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames/IP addresses. Keep in mind the following formatting information:
	• **XML:** Each hostname/IP address must be contained within a <Hostname> tag.
	• **JSON:** The desired set of hostnames/IP addresses must be contained within a set of square brackets. Additionally, each one (i.e., Name request parameter) must be contained with a set of curly braces.
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being created.
	Use one of the following formats to identify an origin server:
	• *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80)
	• *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80)
	• *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80)

Name	Description
HttpLoadBalancing	Required. A string that determines how requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
networkConfiguration	An integer that determines how hostnames associated with this customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
CustomerOriginId	An integer that indicates the unique ID assigned to this customer origin configuration.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/origins/flash HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 249
```

```
{
        "DirectoryName" : "MyCustomerOrigin",
        "HostHeader" : "videos.mydomain.com:80",
        "HttpHostnames" :
        [{
                        "Name" : "http:\/\/videos1.mydomain.com:80"
                }, {
                        "Name" : "http:\/\/videos2.mydomain.com:80"
                }
        ],
        "HttpLoadBalancing" : "RR"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 25
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


{
        "CustomerOriginId" : 1234
}
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/origins/flash HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 422
```

```
<CustomerOriginParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <DirectoryName>MyCustomerOrigin</DirectoryName>

        <HostHeader>videos.mydomain.com:80</HostHeader>

        <HttpHostnames>

                <Hostname>

                        <Name>http://videos1.mydomain.com:80</Name>

                </Hostname>

                <Hostname>

                        <Name>http://videos2.mydomain.com:80</Name>

                </Hostname>

        </HttpHostnames>

        <HttpLoadBalancing>RR</HttpLoadBalancing>

</CustomerOriginParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 197

Content-Type: application/xml; charset=utf-8

Date: Mon, 10 Jan 2011 12:00:00 GMT


<CustomerOriginAddResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <CustomerOriginId>1234</CustomerOriginId>

</CustomerOriginAddResult>
```

Add Customer Origin (HTTP Large)

This operation allows you to add a customer origin to the HTTP Large platform.

Request

A request to create a customer origin configuration is described below.

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/httplarge

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

Optional and required request parameters for this operation are described below.

Note: The indented parameters indicate that they are a property of the request parameter directly above it. When submitting a request, you will need to use the proper syntax to indicate this relationship. Please refer to the parent request parameter for more information.

Note: Hostnames are associated with a customer origin configuration according to the request type (i.e., HTTP or HTTPS) that they will handle. Although you may choose to define a set of hostnames for each request type, you are only required to specify a single hostname and load balancing method for either request type. If you choose to define one or more hostnames, then you will also need to define the load balancing method for that request type.

Name	Description
DirectoryName	Required. An alphanumeric string that identifies your customer origin configuration. It is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://wpc.0001.edgecastcdn.net/800001/*CustomerOrigin*).
HostHeader	Required. A string that identifies the IP address/hostname and port that will be reported in the Host header field for requests to this customer origin. A host header is especially useful when there are multiple virtual domains hosted on a single physical server or load-balanced set of servers.
	Note: A protocol should not be specified when setting this parameter.

Name	Description
HttpHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames/IP addresses. Keep in mind the following formatting information: • **XML:** Each hostname/IP address must be contained within a \<Hostname\> tag. • **JSON:** The desired set of hostnames/IP addresses must be contained within a set of square brackets. Additionally, each one (i.e., Name request parameter) must be contained with a set of curly braces.
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being created. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80)
HttpLoadBalancing	Required. A string that determines how HTTP requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.

Name	Description
HttpsHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames/IP addresses for handling HTTPS requests. Keep in mind the following formatting information: • **XML:** Each hostname/IP address must be contained within a \<Hostname\> tag. • **JSON:** The desired set of hostnames/IP addresses must be contained within a set of square brackets. Additionally, each one (i.e., Name request parameter) must be contained with a set of curly braces. **Important:** This request parameter is only available for customers that have purchased an SSL certificate or the HTTPS feature.
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being created. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80) **Note:** If you specify HTTP hostnames to serve HTTPS requests, then you will sacrifice end-to-end data encryption.
HttpsLoadBalancing	Required. A string that determines how HTTPS requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname.

Name	Description
	Note: The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
ShieldPOPs	The Origin Shield feature, which must be purchased separately, can be used to reduce the number of requests that must be handled by your customer origin server. If you choose to protect your customer origin with this feature, then you will need to specify each point-of-presence (POP) location where Origin Shield servers will be used to provide an intermediate cache layer between our edge servers and your customer origin. When specifying this option, keep in mind the following formatting information: • **XML:** Each Origin Shield location must be contained within a \<ShieldPOP> tag. • **JSON:** The desired set of Origin Shield locations must be contained within a set of square brackets. Additionally, each Origin Shield location (i.e., POPCode request parameter) must be contained with a set of curly braces. **Tip:** If you would like to configure the Origin Shield feature to produce an optimal reduction in requests to your customer origin server, then you should only specify a single location. The specified location should be the POP closest to your customer origin server.
POPCode	A string that indicates a three-letter abbreviation for the desired Origin Shield POP location. For more information, please refer to the **Appendix E: Origin Shield Locations and Settings** section. **Tip:** A list of locations can be retrieved through the Get Origin Shield POPs - HTTP Large operation. **Note:** If you would like to specify multiple values, then you will need to include multiple instances of this parameter.

Name	Description
networkConfiguration	An integer that determines how hostnames associated with this customer origin configuration will be resolved to an IP address. Valid values are:
	• **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only.
	• **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6.
	• **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4.
	• **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4.
	• **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
CustomerOriginId	An integer that indicates the unique ID assigned to this customer origin configuration.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/origins/httplarge HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 413


{
        "DirectoryName" : "MyCustomerOrigin",
        "HostHeader" : "images.mydomain.com:80",
        "HttpHostnames" :
        [{
                    "Name" : "http:\/\/images1.mydomain.com:80"
            }, {
                    "Name" : "http:\/\/images2.mydomain.com:80"
            }
        ],
        "HttpLoadBalancing" : "RR",
        "HttpsHostnames" :
        [{
                    "Name" : "https:\/\/images.mydomain.com:443"
            }
        ],
        "HttpsLoadBalancing" : "PF",
        "ShieldPOPs" :
        [{
                    "POPCode" : "lax"
            }
        ]
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 25
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


{
       "CustomerOriginId" : 1234
}
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/origins/httplarge HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 657


<CustomerOriginParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
       <DirectoryName>MyCustomerOrigin</DirectoryName>
       <HostHeader>images.mydomain.com:80</HostHeader>
       <HttpHostnames>
              <Hostname>
                     <Name>http://images1.mydomain.com:80</Name>
              </Hostname>
              <Hostname>
                     <Name>http://images2.mydomain.com:80</Name>
              </Hostname>
       </HttpHostnames>
       <HttpLoadBalancing>RR</HttpLoadBalancing>
       <HttpsHostnames>
              <Hostname>
                     <Name>https://images.mydomain.com:443</Name>
              </Hostname>
       </HttpsHostnames>
```

```
        <HttpsLoadBalancing>PF</HttpsLoadBalancing>

        <ShieldPOPs>

                <ShieldPOP>

                        <POPCode>LAX</POPCode>

                </ShieldPOP>

        </ShieldPOPs>

</CustomerOriginParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 197

Content-Type: application/xml; charset=utf-8

Date: Mon, 10 Jan 2011 12:00:00 GMT


<CustomerOriginAddResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <CustomerOriginId>1234</CustomerOriginId>

</CustomerOriginAddResult>
```

Add Customer Origin (HTTP Small)

This operation allows you to add a customer origin to the HTTP Large platform.

Request

A request to create a customer origin is described below. When submitting this request, you will
need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/httpsmall

Request Headers
This operation only takes advantage of the common request headers described in the **Request
Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
Optional and required request parameters for this operation are described below.

Note: The indented parameters indicate that they are a property of the request parameter directly above it. When submitting a request, you will need to use the proper syntax to indicate this relationship. Please refer to the parent request parameter for more information.

Note: Hostnames are associated with a customer origin configuration according to the request type (i.e., HTTP or HTTPS) that they will handle. Although you may choose to define a set of hostnames for each request type, you are only required to specify a single hostname and load balancing method for either request type. If you choose to define one or more hostnames, then you will also need to define the load balancing method for that request type.

Name	Description
DirectoryName	Required. An alphanumeric string that identifies your customer origin configuration. It is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://wac.0001.edgecastcdn.net/800001/*CustomerOrigin*).
HostHeader	Required. A string that identifies the IP address/hostname and port associated with a request. A host header is especially useful when there are multiple virtual domains hosted on a single physical server or load-balanced set of servers. **Note:** A protocol should not be specified when setting this parameter.
HttpHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTP requests. Keep in mind the following formatting information: • **XML:** Each hostname must be contained within a <Hostname> tag. • **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces.
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being created. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80)

Name	Description
HttpLoadBalancing	Required. A string that determines how HTTP requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
HttpsHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTPS requests. Keep in mind the following formatting information: **XML:** Each hostname must be contained within a <Hostname> tag. **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces. **Important:** This request parameter is only available for customers that have purchased an SSL certificate or the HTTPS feature.

Name	Description
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being created. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80) **Note:** If you specify HTTP hostnames to serve HTTPS requests, then you will sacrifice end-to-end data encryption.
HttpsLoadBalancing	Required. A string that determines how HTTPS requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.

Name	Description
ShieldPOPs	The Origin Shield feature, which must be purchased separately, can be used to reduce the number of requests that must be handled by your customer origin server. If you choose to protect your customer origin with this feature, then you will need to specify each point-of-presence (POP) location where Origin Shield servers will be used to provide an intermediate cache layer between our edge servers and your customer origin. When specifying this option, keep in mind the following formatting information: • **XML:** Each Origin Shield location must be contained within a \<ShieldPOP\> tag. • **JSON:** The desired set of Origin Shield locations must be contained within a set of square brackets. Additionally, each Origin Shield location (i.e., POPCode request parameter) must be contained with a set of curly braces. **Tip:** If you would like to configure the Origin Shield feature to produce an optimal reduction in requests to your customer origin server, then you should only specify a single location. The specified location should be the POP closest to your customer origin server.
POPCode	A string that indicates a three-letter abbreviation for the desired Origin Shield POP location. For more information, please refer to the **Appendix E: Origin Shield Locations and Settings** section. **Tip:** A list of locations can be retrieved through the Get Origin Shield POPs – HTTP Small operation. **Note:** If you would like to specify multiple values, then you will need to include multiple instances of this parameter.

Name	Description
networkConfiguration	An integer that determines how hostnames associated with this customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
CustomerOriginId	An integer that indicates the unique ID assigned to this customer origin configuration.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/origins/httpsmall HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 385


{
        "DirectoryName" : "MyCustomerOrigin",
        "HostHeader" : "images.mydomain.com:80",
        "HttpHostnames" :
        [{
                    "Name" : "http:\/\/images1.mydomain.com:80"
            }, {
                    "Name" : "http:\/\/images2.mydomain.com:80"
            }
        ],
        "HttpLoadBalancing" : "RR",
        "HttpsHostnames" :
        [{
                    "Name" : "https:\/\/images.mydomain.com:443"
            }
        ],
        "HttpsLoadBalancing" : "PF",
        "ShieldPOPs" :
        [{
                    "POPCode" : "lax"
            }
        ]
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 25
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


{
       "CustomerOriginId" : 1234
}
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/origins/httpsmall HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 657


<CustomerOriginParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
       <DirectoryName>MyCustomerOrigin</DirectoryName>
       <HostHeader>images.mydomain.com:80</HostHeader>
       <HttpHostnames>
              <Hostname>
                     <Name>http://images1.mydomain.com:80</Name>
              </Hostname>
              <Hostname>
                     <Name>http://images2.mydomain.com:80</Name>
              </Hostname>
       </HttpHostnames>
       <HttpLoadBalancing>RR</HttpLoadBalancing>
       <HttpsHostnames>
              <Hostname>
                     <Name>https://images.mydomain.com:443</Name>
              </Hostname>
       </HttpsHostnames>
```

```
        <HttpsLoadBalancing>PF</HttpsLoadBalancing>

        <ShieldPOPs>

                <ShieldPOP>

                        <POPCode>LAX</POPCode>

                </ShieldPOP>

        </ShieldPOPs>

</CustomerOriginParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 197

Content-Type: application/xml; charset=utf-8

Date: Mon, 10 Jan 2011 12:00:00 GMT


<CustomerOriginAddResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <CustomerOriginId>1234</CustomerOriginId>

</CustomerOriginAddResult>
```

Delete Customer Origin

This operation is used to delete a customer origin.

Important: The deletion of a customer origin takes place immediately. Additionally, once a customer origin has been deleted, it cannot be recovered.

Request

A request to delete a customer origin is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **CustomerOriginID:** Replace this term with the ID of the customer origin configuration that should be deleted.

HTTP Method	Request URI
DELETE	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/*CustomerOriginID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

The request format is identical for both JSON and XML. A sample request is provided below.

```
DELETE https://api.edgecast.com/v2/mcc/customers/0001/origins/10 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Host: api.edgecast.com
```

The response is identical for both JSON and XML. A sample response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

Get All Customer Origins (ADN)

This operation is used to retrieve all customer origins for the ADN platform.

Request

A request to retrieve a list of the customer origins (ADN) associated with a customer's account is described below. When submitting this request, you will need to define the following term:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/adn

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each customer origin returned by this operation:

Name	Description
FollowRedirects	A Boolean that indicates whether our edge servers will respect a URL redirect when validating the set of optimal ADN gateway servers for your customer origin configuration.

Name	Description
NetworkConfiguration	An integer that indicates how hostnames associated with a customer origin configuration will be resolved to an IP address. Valid values are:
	• **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only.
	• **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6.
	• **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4.
	• **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4.
	• **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.
ValidationURL	A string that indicates the URL to a sample asset. A set of optimal ADN gateway servers for your customer origin server is determined through the delivery of this sample asset.
DirectoryName	An alphanumeric string that identifies your customer origin configuration. This name is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://adn.0001.edgecastcdn.net/800001/*CustomerOrigin*).
HostHeader	A string that identifies the IP address/hostname and port associated with a request.
HttpFullUrl	A string that indicates the CDN URL for HTTP requests to this customer origin server.
HttpHostnames	This response element contains the hostnames that will handle HTTP requests.
IsPrimary	This response element indicates whether the current hostname is the primary one for HTTP requests. Valid values for this response element are described below.
	• **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode.
	• **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.

Name	Description
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by "Primary and Failover" load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpLoadBalancing	A string that indicates how HTTP requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
HttpsFullUrl	A string that indicates the CDN URL for HTTPS requests to this customer origin server.
HttpsHostnames	This response element contains the hostnames that will handle HTTPS requests.
IsPrimary	This response element indicates whether the current hostname is the primary one for HTTPS requests. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by "Primary and Failover" load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.

Name	Description
HttpsLoadBalancing	A string that indicates how HTTPS requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
Id	An integer that indicates the unique ID assigned to this customer origin configuration.
MediaTypeId	An integer that identifies the platform on which the customer origin configuration resides. This response element will always report "14," which is the value assigned to the ADN platform.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/adn HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 1100
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


[{
            "FollowRedirects" : true,
            "NetworkConfiguration" : 1,
            "ValidationURL" :
       "http:\/\/socialmedia.mydomain.com\/images\/PerformanceTestObject_5k.gif",
            "DirectoryName" : "socialmedia",
            "HostHeader" : "socialmedia.mydomain.com",
            "HttpFullUrl" :
       "http:\/\/adn.0001.edgecastcdn.net\/800001\/socialmedia",
            "HttpHostnames" : [{
                        "IsPrimary" : 1,
                        "Name" : "http:\/\/socialmedia.mydomain.com:80",
                        "Ordinal" : 0
                 }
            ],
            "HttpLoadBalancing" : "PF",
            "HttpsFullUrl" : "",
            "HttpsHostnames" : [],
            "HttpsLoadBalancing" : "",
            "Id" : 44764,
            "MediaTypeId" : 14
      }, {
            "FollowRedirects" : true,
            "NetworkConfiguration" : 1,
            "ValidationURL" : "http:\/\/banking.mydomain.com\/asset.txt",
            "DirectoryName" : "banking",
            "HostHeader" : "banking.mydomain.com",
            "HttpFullUrl" : "http:\/\/adn.0001.edgecastcdn.net\/800001\/banking",
            "HttpHostnames" : [{
                        "IsPrimary" : 1,
                        "Name" : "http:\/\/banking.mydomain.com:80",
```

```
                    "Ordinal" : 0
                }
            ],
            "HttpLoadBalancing" : "PF",
            "HttpsFullUrl" : "",
            "HttpsHostnames" : [],
            "HttpsLoadBalancing" : "",
            "Id" : 114197,
            "MediaTypeId" : 14
        }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/adn HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 1561
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


<ArrayOfCustomerOrigin xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <CustomerOrigin>
                <FollowRedirects>true</FollowRedirects>
                <NetworkConfiguration>1</NetworkConfiguration>
                <ValidationURL>http://socialmedia.mydomain.com/images/PerformanceTestObj
        ect_5k.gif</ValidationURL>
                <DirectoryName>socialmedia</DirectoryName>
                <HostHeader>socialmedia.mydomain.com</HostHeader>
                <HttpFullUrl>http://adn.0001.edgecastcdn.net/800001/socialmedia</HttpFul
        lUrl>
                <HttpHostnames>
                        <Hostname>
```

```xml
                        <IsPrimary>1</IsPrimary>
                        <Name>http://socialmedia.mydomain.com:80</Name>
                        <Ordinal>0</Ordinal>
                </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>PF</HttpLoadBalancing>
        <HttpsFullUrl/>
        <HttpsHostnames/>
        <HttpsLoadBalancing/>
        <Id>44764</Id>
        <MediaTypeId>14</MediaTypeId>
    </CustomerOrigin>
    <CustomerOrigin>
        <FollowRedirects>true</FollowRedirects>
        <NetworkConfiguration>1</NetworkConfiguration>
        <ValidationURL>http://banking.mydomain.com/asset.txt</ValidationURL>
        <DirectoryName>banking</DirectoryName>
        <HostHeader>banking.mydomain.com</HostHeader>
        <HttpFullUrl>http://adn.0001.edgecastcdn.net/800001/banking</HttpFullUrl
>
        <HttpHostnames>
                <Hostname>
                        <IsPrimary>1</IsPrimary>
                        <Name>http://banking.mydomain.com:80</Name>
                        <Ordinal>0</Ordinal>
                </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>PF</HttpLoadBalancing>
        <HttpsFullUrl/>
        <HttpsHostnames/>
        <HttpsLoadBalancing/>
        <Id>114197</Id>
        <MediaTypeId>14</MediaTypeId>
    </CustomerOrigin>
</ArrayOfCustomerOrigin>
```

Get All Customer Origins (Flash Media Streaming)

This operation allows you to retrieve all customer origin configurations associated with the Flash Media Streaming platform.

Request

A request to retrieve a list of the customer origins (Flash Media Streaming) is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/flash

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each customer origin returned by this operation:

Name	Description
DirectoryName	A string that indicates the unique identification for your customer origin configuration. This name is appended to the end of the base CDN URL that points to your customer origin server (e.g., rtmp://fms.0001.edgecastcdn.net/800001/*CustomerOrigin*).

Name	Description
HostHeader	A string that identifies the IP address/hostname and port associated with a request.
HttpFullUrl	A string that indicates the CDN URL for RTMP requests to this customer origin server.
HttpHostnames	This response element contains the hostnames that will handle RTMP requests.
IsPrimary	This response element indicates whether the current hostname is the primary one. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname/IP address. This URL consists of the protocol, hostname/IP address, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by Primary Failover load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpLoadBalancing	A string that indicates how requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
HttpsFullUrl	This response parameter is not applicable for the Flash Media Streaming platform and will always return a null value.

Name	Description
HttpsHostnames	This response parameter is not applicable for the Flash Media Streaming platform and will always return an empty value.
HttpsLoadBalancing	This response parameter is not applicable for the Flash Media Streaming platform and will always return an empty value.
Id	An integer that indicates the unique ID assigned to this customer origin configuration.
MediaTypeId	An integer that identifies the platform on which the customer origin configuration resides. This response element will always report "2," which is the value assigned to the Flash Media Streaming platform.
ShieldPOPs	This response parameter is not applicable for the Flash Media Streaming platform and will always return an empty value.
UseOriginShield	This response parameter is not applicable for the Flash Media Streaming platform and will always return "0."
networkConfiguration	An integer that indicates how hostnames associated with a customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/flash HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 483
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT

[{
        "DirectoryName" : "videos.mydomain.com",
        "HostHeader" : "videos.mydomain.com",
        "HttpFullUrl" :
        "rtmp:\/\/fms.0001.edgecastcdn.net\/800001\/videos.mydomain.com",
        "HttpHostnames" : [{
                        "IsPrimary" : 1,
                        "Name" : "http:\/\/videos.mydomain.com:80",
                        "Ordinal" : 0
                }
            ],
        "HttpLoadBalancing" : "PF",
        "HttpsFullUrl" : null,
        "HttpsHostnames" : [],
        "HttpsLoadBalancing" : "",
        "Id" : 44683,
        "MediaTypeId" : 2,
        "ShieldPOPs" : [],
        "UseOriginShield" : 0,
        "networkConfiguration" : 1
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/flash HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 838
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


<ArrayOfCustomerOrigin xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <CustomerOrigin>
            <DirectoryName>videos.mydomain.com</DirectoryName>
            <HostHeader>www.mydomain.com</HostHeader>
            <HttpFullUrl>
            rtmp://fms.0001.edgecastcdn.net/800001/videos.mydomain.com</HttpFullUrl>
            <HttpHostnames>
              <Hostname>
                <IsPrimary>1</IsPrimary>
                <Name>http://videos.mydomain.com:80</Name>
                <Ordinal>0</Ordinal>
              </Hostname>
            </HttpHostnames>
            <HttpLoadBalancing>PF</HttpLoadBalancing>
            <HttpsFullUrl i:nil="true" />
            <HttpsHostnames />
            <HttpsLoadBalancing />
            <Id>44683</Id>
            <MediaTypeId>2</MediaTypeId>
            <ShieldPOPs />
            <UseOriginShield>0</UseOriginShield>
            <networkConfiguration>1</networkConfiguration>
      </CustomerOrigin>
```

```
</ArrayOfCustomerOrigin>
```

Get All Customer Origins (HTTP Large)

This operation allows you to retrieve all customer origin configurations for the HTTP Large platform.

Request

A request to retrieve a list of customer origins (HTTP Large) is described below. When submitting this request, you will need to define the following term:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/httplarge

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation contains the following response elements for each customer origin returned by this operation:

Name	Description
DirectoryName	A string that indicates the unique identification for your customer origin configuration. This name is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://wpc.0001.edgecastcdn.net/800001/*CustomerOrigin*).

Name	Description
HostHeader	A string that identifies the IP address/hostname and port associated with a request.
HttpFullUrl	A string that indicates the CDN URL for HTTP requests to this customer origin server.
HttpHostnames	This response element contains the hostnames that will handle HTTP requests.
IsPrimary	This response element indicates whether the current hostname is the primary one. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by Primary Failover load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpLoadBalancing	A string that indicates how HTTP requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
HttpsFullUrl	A string that indicates the CDN URL for HTTPS requests to this customer origin server.

Name	Description
HttpsHostnames	This response element contains the hostnames that will handle HTTPS requests.
IsPrimary	This response element indicates whether the current hostname is the primary one. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by Primary Failover load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpsLoadBalancing	A string that indicates how HTTPS requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
Id	An integer that indicates the unique ID assigned to this customer origin configuration.
MediaTypeId	An integer that identifies the platform on which the customer origin configuration resides. This response element will always report "3," which is the value assigned to the HTTP Large platform.

Name	Description
ShieldPOPs	If the Origin Shield feature has been enabled on this customer origin configuration, then this response element will contain the set of POP locations that will act as an intermediate cache layer between our edge servers and your customer origin server. When interpreting the response, keep in mind the following formatting information. • **XML:** Each location will be contained within a <ShieldPOP> tag. • **JSON:** A set of square brackets will contain your set of Origin Shield locations. A set of curly braces will contain each Origin Shield location (i.e., POPCode request parameter).
Name	For each location returned by this operation, this response element will return a null value.
POPCode	This response element contains a three-letter abbreviation that indicates a POP location for which the Origin Shield feature has been activated. For more information, please refer to the **Appendix E: Origin Shield Locations and Settings** section.
Region	For each location returned by this operation, this response element will return a null value.
UseOriginShield	An integer that indicates whether Origin Shield has been activated on the customer origin. Valid values for this response element are described below. • **0:** Disabled. • **1:** Enabled. The customer origin configuration is protected by the Origin Shield feature.
networkConfiguration	An integer that indicates how hostnames associated with a customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httplarge HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 921
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


[{
        "DirectoryName" : "MyCustomerOrigin",
        "HostHeader" : "images.mydomain.com:80",
        "HttpFullUrl" : "http:\/\/wpc.0001.edgecastcdn.net\/800001\/MyCustomerOrigin",
        "HttpHostnames" :
        [{
                    "IsPrimary" : 0,
                    "Name" : "http:\/\/images1.mydomain.com:80",
                    "Ordinal" : 0
              }, {
                    "IsPrimary" : 0,
                    "Name" : "http:\/\/images2.mydomain.com:80",
                    "Ordinal" : 1
              }
        ],
        "HttpLoadBalancing" : "RR",
        "HttpsFullUrl" : null,
        "HttpsHostnames" : [],
```

```
        "HttpsLoadBalancing" : null,
        "Id" : 1235,
        "MediaTypeId" : 3,
        "ShieldPOPs" : [],
        "UseOriginShield" : 0,
        "networkConfiguration" : 1
    }, {
        "DirectoryName" : "documents",
        "HostHeader" : "documents.mydomain.com:80",
        "HttpFullUrl" : "http:\/\/wpc.0001.edgecastcdn.net\/800001\/documents",
        "HttpHostnames" :
        [{
                    "IsPrimary" : 0,
                    "Name" : "http:\/\/documents1.mydomain.com:80",
                    "Ordinal" : 0
            }, {
                    "IsPrimary" : 0,
                    "Name" : "http:\/\/documents2.mydomain.com:80",
                    "Ordinal" : 1
            }
        ],
        "HttpLoadBalancing" : "RR",
        "HttpsFullUrl" : null,
        "HttpsHostnames" : [],
        "HttpsLoadBalancing" : null,
        "Id" : 1235,
        "MediaTypeId" : 3,
        "ShieldPOPs" : [],
        "UseOriginShield" : 0,
        "networkConfiguration" : 1
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httplarge HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 1380
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


<ArrayOfCustomerOrigin xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
    <CustomerOrigin>
        <DirectoryName>MyCustomerOrigin</DirectoryName>
        <HostHeader>images.mydomain.com:80</HostHeader>
        <HttpFullUrl>
        http://wpc.0001.edgecastcdn.net/800001/MyCustomerOrigin</HttpFullUrl>
        <HttpHostnames>
          <Hostname>
            <IsPrimary>0</IsPrimary>
            <Name>http://images1.mydomain.com:80</Name>
            <Ordinal>0</Ordinal>
          </Hostname>
          <Hostname>
            <IsPrimary>0</IsPrimary>
            <Name>http://images2.mydomain.com:80</Name>
            <Ordinal>1</Ordinal>
          </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>RR</HttpLoadBalancing>
        <HttpsFullUrl i:nil="true" />
        <HttpsHostnames />
        <HttpsLoadBalancing i:nil="true" />
        <Id>1234</Id>
```

```xml
        <MediaTypeId>3</MediaTypeId>
        <ShieldPOPs />
        <UseOriginShield>0</UseOriginShield>
        <networkConfiguration>1</networkConfiguration>
      </CustomerOrigin>
      <CustomerOrigin>
        <DirectoryName>documents</DirectoryName>
        <HostHeader>documents.mydomain.com:80</HostHeader>
        <HttpFullUrl>
        http://wpc.0001.edgecastcdn.net/800001/documents</HttpFullUrl>
        <HttpHostnames>
          <Hostname>
            <IsPrimary>0</IsPrimary>
            <Name>http://documents1.mydomain.com:80</Name>
            <Ordinal>0</Ordinal>
          </Hostname>
          <Hostname>
            <IsPrimary>0</IsPrimary>
            <Name>http://documents2.mydomain.com:80</Name>
            <Ordinal>1</Ordinal>
          </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>RR</HttpLoadBalancing>
        <HttpsFullUrl i:nil="true" />
        <HttpsHostnames />
        <HttpsLoadBalancing i:nil="true" />
        <Id>1235</Id>
        <MediaTypeId>3</MediaTypeId>
        <ShieldPOPs />
        <UseOriginShield>0</UseOriginShield>
        <networkConfiguration>1</networkConfiguration>
      </CustomerOrigin>
</ArrayOfCustomerOrigin>
```

Get All Customer Origins (HTTP Small)

This operation allows you to retrieve all customer origin configurations associated with the HTTP Small platform.

Request

A request to retrieve a list of customer origins is described below. When submitting this request, you will need to define the following term:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/httpsmall

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation contains the following response elements for each customer origin returned by this operation:

Name	Description
DirectoryName	An alphanumeric string that identies your customer origin configuration. This name is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://wac.0001.edgecastcdn.net/800001/*CustomerOrigin*).

Name	Description
HostHeader	A string that identifies the IP address/hostname and port associated with a request.
HttpFullUrl	A string that indicates the CDN URL for HTTP requests to this customer origin server.
HttpHostnames	This response element contains the hostnames that will handle HTTP requests.
IsPrimary	This response element indicates whether the current hostname is the primary one. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by Primary Failover load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpLoadBalancing	A string that indicates how HTTP requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
HttpsFullUrl	A string that indicates the CDN URL for HTTPS requests to this customer origin server.

Name	Description
HttpsHostnames	This response element contains the hostnames that will handle HTTPS requests.
IsPrimary	This response element indicates whether the current hostname is the primary one. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by Primary Failover load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpsLoadBalancing	A string that indicates how HTTPS requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
Id	An integer that indicates the unique ID assigned to this customer origin configuration.
MediaTypeId	An integer that identifies the platform on which the customer origin configuration resides. This response element will always report "8," which is the value assigned to the HTTP Small platform.

Name	Description
ShieldPOPs	If the Origin Shield feature has been enabled on this customer origin configuration, then this response element will contain the set of POP locations that will act as an intermediate cache layer between our edge servers and your customer origin server. When interpreting the response, keep in mind the following formatting information. • **XML:** Each Origin Shield location will be contained within a <ShieldPOP> tag. • **JSON:** A set of square brackets will contain your set of Origin Shield locations. A set of curly braces will contain each Origin Shield location (i.e., POPCode request parameter).
Name	For each Origin Shield location returned by this operation, this response element will return a null value.
POPCode	This response element contains a three-letter abbreviation that indicates a POP location for which the Origin Shield feature has been activated. For more information, please refer to the **Appendix E: Origin Shield Locations and Settings** section.
Region	For each Origin Shield location returned by this operation, this response element will return a null value.
UseOriginShield	An integer that indicates whether Origin Shield has been activated on the customer origin. Valid values for this response element are described below. • **0:** The customer origin configuration is not protected by Origin Shield. • **1:** The customer origin configuration is protected by Origin Shield.
networkConfiguration	An integer that indicates how hostnames associated with a customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer

Name	Description
	origin can only be resolved to IPv6.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httpsmall HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 921
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT

[{
        "DirectoryName" : "MyCustomerOrigin",
        "HostHeader" : "images.mydomain.com:80",
        "HttpFullUrl" : "http:\/\/wac.0001.edgecastcdn.net\/800001\/MyCustomerOrigin",
        "HttpHostnames" :
    [{
                "IsPrimary" : 0,
                "Name" : "http:\/\/images1.mydomain.com:80",
                "Ordinal" : 0
        }, {
                "IsPrimary" : 0,
                "Name" : "http:\/\/images2.mydomain.com:80",
                "Ordinal" : 1
        }
    ],
```

```
         "HttpLoadBalancing" : "RR",
         "HttpsFullUrl" : null,
         "HttpsHostnames" : [],
         "HttpsLoadBalancing" : null,
         "Id" : 1235,
         "MediaTypeId" : 8,
         "ShieldPOPs" : [],
         "UseOriginShield" : 0,
         "networkConfiguration" : 1
      }, {
         "DirectoryName" : "documents",
         "HostHeader" : "documents.mydomain.com:80",
         "HttpFullUrl" : "http:\/\/wac.0001.edgecastcdn.net\/800001\/documents",
         "HttpHostnames" :
            [{
                  "IsPrimary" : 0,
                  "Name" : "http:\/\/documents1.mydomain.com:80",
                  "Ordinal" : 0
            }, {
                  "IsPrimary" : 0,
                  "Name" : "http:\/\/documents2.mydomain.com:80",
                  "Ordinal" : 1
            }
         ],
         "HttpLoadBalancing" : "RR",
         "HttpsFullUrl" : null,
         "HttpsHostnames" : [],
         "HttpsLoadBalancing" : null,
         "Id" : 1235,
         "MediaTypeId" : 8,
         "ShieldPOPs" : [],
         "UseOriginShield" : 0,
         "networkConfiguration" : 1
      }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httpsmall HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 1380
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


<ArrayOfCustomerOrigin xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
<CustomerOrigin>
        <DirectoryName>MyCustomerOrigin</DirectoryName>
        <HostHeader>images.mydomain.com:80</HostHeader>
        <HttpFullUrl>http://wac.0001.edgecastcdn.net/800001/MyCustomerOrigin
        </HttpFullUrl>
        <HttpHostnames>
                <Hostname>
                        <IsPrimary>0</IsPrimary>
                        <Name>http://images1.mydomain.com:80</Name>
                        <Ordinal>0</Ordinal>
                </Hostname>
                <Hostname>
                        <IsPrimary>0</IsPrimary>
                        <Name>http://images2.mydomain.com:80</Name>
                        <Ordinal>1</Ordinal>
                </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>RR</HttpLoadBalancing>
        <HttpsFullUrl i:nil="true"/>
        <HttpsHostnames/>
        <HttpsLoadBalancing i:nil="true"/>
        <Id>1234</Id>
        <MediaTypeId>8</MediaTypeId>
        <ShieldPOPs/>
        <UseOriginShield>0</UseOriginShield>
```

```xml
        <networkConfiguration>1</networkConfiguration>
</CustomerOrigin>
<CustomerOrigin>
        <DirectoryName>documents</DirectoryName>
        <HostHeader>documents.mydomain.com:80</HostHeader>
        <HttpFullUrl>http://wac.0001.edgecastcdn.net/800001/documents</HttpFullUrl>
        <HttpHostnames>
                <Hostname>
                        <IsPrimary>0</IsPrimary>
                        <Name>http://documents1.mydomain.com:80</Name>
                        <Ordinal>0</Ordinal>
                </Hostname>
                <Hostname>
                        <IsPrimary>0</IsPrimary>
                        <Name>http://documents2.mydomain.com:80</Name>
                        <Ordinal>1</Ordinal>
                </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>RR</HttpLoadBalancing>
        <HttpsFullUrl i:nil="true"/>
        <HttpsHostnames/>
        <HttpsLoadBalancing i:nil="true"/>
        <Id>1235</Id>
        <MediaTypeId>8</MediaTypeId>
        <ShieldPOPs/>
        <UseOriginShield>0</UseOriginShield>
        <networkConfiguration>1</networkConfiguration>
</CustomerOrigin>
```

Get Customer Origin (ADN)

This operation is used to retrieve the properties of a customer origin configuration.

Request

A request to retrieve customer origin information is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **CustomerOriginID:** This term identifies the customer origin configuration whose information will be returned. It should be replaced by the ID associated with the desired customer origin configuration. The ID associated with each customer origin configuration is returned by the Get All Customer Origins (ADN) operation.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/adn/*CustomerOriginID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Description
FollowRedirects	A Boolean that indicates whether our edge servers will respect a URL redirect when validating the set of optimal ADN gateway servers for your customer origin configuration.
NetworkConfiguration	An integer that indicates how hostnames associated with a customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.
ValidationURL	A string that indicates the URL to a sample asset. A set of optimal ADN gateway servers for your customer origin server is determined through the delivery of this sample asset.
DirectoryName	An alphanumeric string that identifies your customer origin configuration. This name is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://adn.0001.edgecastcdn.net/800001/*CustomerOrigin*).
HostHeader	A string that identifies the IP address/hostname and port associated with a request.
HttpFullUrl	A string that indicates the CDN URL for HTTP requests to this customer origin server.
HttpHostnames	This response element contains the hostnames that will handle HTTP requests.

Name	Description
IsPrimary	This response element indicates whether the current hostname is the primary one for HTTP requests. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by "Primary and Failover" load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpLoadBalancing	A string that indicates how HTTP requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
HttpsFullUrl	A string that indicates the CDN URL for HTTPS requests to this customer origin server.
HttpsHostnames	This response element contains the hostnames that will handle HTTPS requests.

Name	Description
IsPrimary	This response element indicates whether the current hostname is the primary one for HTTPS requests. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by "Primary and Failover" load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpsLoadBalancing	A string that indicates how HTTPS requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
Id	An integer that indicates the unique ID assigned to this customer origin configuration.
MediaTypeId	An integer that identifies the platform on which the customer origin configuration resides. This response element will always report "14," which is the value assigned to the ADN platform.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/adn/123456 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 507
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT

{
        "FollowRedirects" : true,
        "NetworkConfiguration" : 1,
        "ValidationURL" : "http:\/\/banking.mydomain.com\/asset.txt",
        "DirectoryName" : "banking",
        "HostHeader" : "banking.mydomain.com",
        "HttpFullUrl" : "http:\/\/adn.0001.edgecastcdn.net\/800001\/banking",
        "HttpHostnames" : [{
                    "IsPrimary" : 1,
                    "Name" : "http:\/\/banking.mydomain.com:80",
                    "Ordinal" : 0
            }
        ],
        "HttpLoadBalancing" : "PF",
        "HttpsFullUrl" : "",
        "HttpsHostnames" : [],
        "HttpsLoadBalancing" : "",
        "Id" : 123456,
        "MediaTypeId" : 14
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/adn/123456 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 764
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


<CustomerOrigin xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <FollowRedirects>true</FollowRedirects>
        <NetworkConfiguration>1</NetworkConfiguration>
        <ValidationURL>http://banking.mydomain.com/asset.txt</ValidationURL>
        <DirectoryName>banking</DirectoryName>
        <HostHeader>banking.mydomain.com</HostHeader>
        <HttpFullUrl>http://adn.0001.edgecastcdn.net/800001/banking</HttpFullUrl>
        <HttpHostnames>
                <Hostname>
                        <IsPrimary>1</IsPrimary>
                        <Name>http://banking.mydomain.com:80</Name>
                        <Ordinal>0</Ordinal>
                </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>PF</HttpLoadBalancing>
        <HttpsFullUrl/>
        <HttpsHostnames/>
        <HttpsLoadBalancing/>
        <Id>123456</Id>
        <MediaTypeId>14</MediaTypeId>
</CustomerOrigin>
```

Get Customer Origin (Flash Media Streaming)

This operation is used to retrieve the properties of a customer origin configuration.

Request

A request to retrieve customer origin information is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **CustomerOriginID:** This term identifies the customer origin configuration whose information will be returned. It should be replaced by the ID associated with the desired customer origin configuration. The ID associated with each Flash Media Streaming customer origin configuration is returned by the Get All Customer Origins (Flash Media Streaming) operation.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/0001/origins/flash/*CustomerOriginID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation contains the following response elements:

Name	Description
DirectoryName	A string that identifies your customer origin configuration. This name is appended to the end of the base CDN URL that points to your customer origin server (e.g., rtmp://fms.0001.edgecastcdn.net/800001/*CustomerOrigin*).
HostHeader	A string that identifies the IP address/hostname and port associated with a request.
HttpFullUrl	A string that indicates the CDN URL for requests to this customer origin server.
HttpHostnames	This response element contains the hostnames that will handle requests.
IsPrimary	This response element indicates whether the current hostname is the primary one. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by Primary Failover load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpLoadBalancing	A string that indicates how requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
HttpsFullUrl	This response parameter is not applicable for the Flash Media Streaming platform and will always return a null value.

Name	Description
HttpsHostnames	This response parameter is not applicable for the Flash Media Streaming platform and will always return an empty value.
HttpsLoadBalancing	This response parameter is not applicable for the Flash Media Streaming platform and will always return an empty value.
Id	An integer that indicates the unique ID assigned to this customer origin configuration.
MediaTypeId	An integer that identifies the platform on which the customer origin configuration resides. This response element will always report "2," which is the value assigned to the Flash Media Streaming platform.
ShieldPOPs	This response parameter is not applicable for the Flash Media Streaming platform and will always return an empty value.
UseOriginShield	This response parameter is not applicable for the Flash Media Streaming platform and will always return "0."
networkConfiguration	An integer that indicates how hostnames associated with a customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/flash/12 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length:
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT

{
        "DirectoryName" : "videos.mydomain.com",
        "HostHeader" : "videos.mydomain.com",
        "HttpFullUrl" :
        "rtmp:\/\/fms.0001.edgecastcdn.net\/800001\/videos.mydomain.com",
        "HttpHostnames" : [{
                    "IsPrimary" : 1,
                    "Name" : "http:\/\/videos.mydomain.com:80",
                    "Ordinal" : 0
            }
        ],
        "HttpLoadBalancing" : "PF",
        "HttpsFullUrl" : null,
        "HttpsHostnames" : [],
        "HttpsLoadBalancing" : "",
        "Id" : 12,
        "MediaTypeId" : 2,
        "ShieldPOPs" : [],
        "UseOriginShield" : 0,
        "networkConfiguration" : 1
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/flash/12 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 801
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


<CustomerOrigin xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <DirectoryName>videos.mydomain.com</DirectoryName>
        <HostHeader>videos.mydomain.com</HostHeader>
        <HttpFullUrl>
        rtmp://fms.0001.edgecastcdn.net/800001/videos.mydomain.com</HttpFullUrl>
        <HttpHostnames>
          <Hostname>
            <IsPrimary>1</IsPrimary>
            <Name>http://videos.mydomain.com:80</Name>
            <Ordinal>0</Ordinal>
          </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>PF</HttpLoadBalancing>
        <HttpsFullUrl i:nil="true" />
        <HttpsHostnames />
        <HttpsLoadBalancing />
        <Id>12</Id>
        <MediaTypeId>2</MediaTypeId>
        <ShieldPOPs />
        <UseOriginShield>0</UseOriginShield>
        <networkConfiguration>1</networkConfiguration>
</CustomerOrigin>
```

Get Customer Origin (HTTP Large)

This operation is used to retrieve the properties of a customer origin configuration.

Request

A request to retrieve customer origin information is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **CustomerOriginID:** This term identifies the customer origin configuration whose information will be returned. It should be replaced by the ID associated with the desired customer origin configuration. The ID associated with each customer origin configuration is returned by the Get All Customer Origins (HTTP Large) operation.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/httplarge/*CustomerOriginID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation contains the following response elements:

Name	Description
DirectoryName	A string that identifies your customer origin configuration. This name is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://wpc.0001.edgecastcdn.net/800001/*CustomerOrigin*).
HostHeader	A string that identifies the IP address/hostname and port associated with a request.
HttpFullUrl	A string that indicates the CDN URL for HTTP requests to this customer origin server.
HttpHostnames	This response element contains the hostnames that will handle HTTP requests.
IsPrimary	This response element indicates whether the current hostname is the primary one. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by Primary Failover load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpLoadBalancing	A string that indicates how HTTP requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.

Name	Description
HttpsFullUrl	A string that indicates the CDN URL for HTTPS requests to this customer origin server.
HttpsHostnames	This response element contains the hostnames that will handle HTTPS requests.
IsPrimary	This response element indicates whether the current hostname is the primary one. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by Primary Failover load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpsLoadBalancing	A string that indicates how HTTPS requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
Id	An integer that indicates the unique ID assigned to this customer origin configuration.
MediaTypeId	An integer that identifies the platform on which the customer origin configuration resides. This response element will always report "3," which is the value assigned to the HTTP Large platform.

Name	Description
ShieldPOPs	If the Origin Shield feature has been enabled on this customer origin configuration, then this response element will contain the set of POP locations that will act as an intermediate cache layer between our edge servers and your customer origin server. When interpreting the response, keep in mind the following formatting information. • **XML:** Each Origin Shield location will be contained within a \<ShieldPOP\> tag. • **JSON:** A set of square brackets will contain your set of Origin Shield locations. A set of curly braces will contain each Origin Shield location (i.e., POPCode request parameter).
Name	For each Origin Shield location returned by this operation, this response element will return a null value.
POPCode	This response element contains a three-letter abbreviation that indicates a POP location for which the Origin Shield feature has been activated. For more information, please refer to the **Appendix E: Origin Shield Locations and Settings** section.
Region	For each Origin Shield location returned by this operation, this response element will return a null value.
UseOriginShield	An integer that indicates whether Origin Shield has been activated on the customer origin. Valid values for this response element are described below. • **0:** The customer origin configuration is not protected by Origin Shield. • **1:** The customer origin configuration is protected by Origin Shield.
networkConfiguration	An integer that indicates how hostnames associated with a customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httplarge/12 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 453
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

```
{
        "DirectoryName" : "MyCustomerOrigin",
        "HostHeader" : "images.mydomain.com:80",
        "HttpFullUrl" : "http:\/\/wpc.0001.edgecastcdn.net\/800001\/MyCustomerOrigin",
        "HttpHostnames" :
        [{
                        "IsPrimary" : 0,
                        "Name" : "http:\/\/images1.mydomain.com:80",
                        "Ordinal" : 0
                }, {
                        "IsPrimary" : 0,
                        "Name" : "http:\/\/ images2.mydomain.com:80",
                        "Ordinal" : 1
                }
        ],
        "HttpLoadBalancing" : "RR",
        "HttpsFullUrl" : null,
        "HttpsHostnames" : [],
        "HttpsLoadBalancing" : null,
        "Id" : 1211,
        "MediaTypeId" : 3,
        "ShieldPOPs" : [],
        "UseOriginShield" : 0,
        "networkConfiguration" : 1
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httplarge/12 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 763
Content-Type: application/xml; charset=utf-8
```

```
Date: Mon, 10 Jan 2011 12:00:00 GMT


<CustomerOrigin xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <DirectoryName>MyCustomerOrigin</DirectoryName>
        <HostHeader>images.mydomain.com:80</HostHeader>
        <HttpFullUrl>
        http://wpc.0001.edgecastcdn.net/800001/MyCustomerOrigin</HttpFullUrl>
        <HttpHostnames>
          <Hostname>
            <IsPrimary>0</IsPrimary>
            <Name>http://images1.mydomain.com:80</Name>
            <Ordinal>0</Ordinal>
          </Hostname>
          <Hostname>
            <IsPrimary>0</IsPrimary>
            <Name>http://images2.mydomain.com:80</Name>
            <Ordinal>1</Ordinal>
          </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>RR</HttpLoadBalancing>
        <HttpsFullUrl i:nil="true" />
        <HttpsHostnames />
        <HttpsLoadBalancing i:nil="true" />
        <Id>1234</Id>
        <MediaTypeId>3</MediaTypeId>
        <ShieldPOPs />
        <UseOriginShield>0</UseOriginShield>
        <networkConfiguration>1</networkConfiguration>
</CustomerOrigin>
```

Get Customer Origin (HTTP Small)

This operation is used to retrieve the properties of a customer origin configuration.

Request

A request to retrieve customer origin information is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **CustomerOriginID:** This term identifies the customer origin configuration whose information will be returned. It should be replaced by the ID associated with the desired customer origin configuration. The ID associated with each customer origin configuration is returned by the Get All Customer Origins (HTTP Small) operation.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/httpsmall/*CustomerOriginID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation contains the following response elements:

Name	Description
DirectoryName	An alphanumeric string that identifies your customer origin configuration. This name is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://wac.0001.edgecastcdn.net/800001/*CustomerOrigin*).
HostHeader	A string that identifies the IP address/hostname and port associated with a request.
HttpFullUrl	A string that indicates the CDN URL for HTTP requests to this customer origin server.
HttpHostnames	This response element contains the hostnames that will handle HTTP requests.
IsPrimary	This response element indicates whether the current hostname is the primary one. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by Primary Failover load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpLoadBalancing	A string that indicates how HTTP requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.

Name	Description
HttpsFullUrl	A string that indicates the CDN URL for HTTPS requests to this customer origin server.
HttpsHostnames	This response element contains the hostnames that will handle HTTPS requests.
IsPrimary	This response element indicates whether the current hostname is the primary one. Valid values for this response element are described below. • **0:** Indicates that the current hostname is not the primary one. This value will always be reported for the Round-Robin load balancing mode. • **1:** Indicates that the current hostname is the primary one.
Name	This string reports the URL for the current hostname. This URL consists of the protocol, hostname, and the port.
Ordinal	This integer indicates the position in the ordered list for the current hostname. This position is primarily used by Primary Failover load balancing mode to determine which hostname will take over when a hostname higher on the list is unreachable.
HttpsLoadBalancing	A string that indicates how HTTPS requests will be load balanced for the specified hostnames. Valid values for this response element are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode indicated for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
Id	An integer that indicates the unique ID assigned to this customer origin configuration.
MediaTypeId	An integer that identifies the platform on which the customer origin configuration resides. This response element will always report "8," which is the value assigned to the HTTP Small platform.

Name	Description
ShieldPOPs	If the Origin Shield feature has been enabled on this customer origin configuration, then this response element will contain the set of POP locations that will act as an intermediate cache layer between our edge servers and your customer origin server. When interpreting the response, keep in mind the following formatting information. • **XML:** Each Origin Shield location will be contained within a <ShieldPOP> tag. • **JSON:** A set of square brackets will contain your set of Origin Shield locations. A set of curly braces will contain each Origin Shield location (i.e., POPCode request parameter).
Name	For each Origin Shield location returned by this operation, this response element will return a null value.
POPCode	This response element contains a three-letter abbreviation that indicates a POP location for which the Origin Shield feature has been activated. For more information, please refer to the **Appendix E: Origin Shield Locations and Settings** section.
Region	For each Origin Shield location returned by this operation, this response element will return a null value.
UseOriginShield	An integer that indicates whether Origin Shield has been activated on the customer origin. Valid values for this response element are described below. • **0:** This customer origin configuration is not protected by Origin Shield. • **1:** This customer origin configuration is protected by Origin Shield.

Name	Description
networkConfiguration	An integer that indicates how hostnames associated with a customer origin configuration will be resolved to an IP address. Valid values are:

> - **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only.
> - **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6.
> - **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4.
> - **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4.
> - **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httpsmall/12 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 453
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

```
{
        "DirectoryName" : "MyCustomerOrigin",
        "HostHeader" : "images.mydomain.com:80",
        "HttpFullUrl" : "http:\/\/wac.0001.edgecastcdn.net\/800001\/MyCustomerOrigin",
        "HttpHostnames" :
        [{
                        "IsPrimary" : 0,
                        "Name" : "http:\/\/images1.mydomain.com:80",
                        "Ordinal" : 0
            }, {
                        "IsPrimary" : 0,
                        "Name" : "http:\/\/images2.mydomain.com:80",
                        "Ordinal" : 1
            }
        ],
        "HttpLoadBalancing" : "RR",
        "HttpsFullUrl" : null,
        "HttpsHostnames" : [],
        "HttpsLoadBalancing" : null,
        "Id" : 1211,
        "MediaTypeId" : 8,
        "ShieldPOPs" : [],
        "UseOriginShield" : 0,
        "networkConfiguration" : 1
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httpsmall/12 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 906
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT

<CustomerOrigin xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <DirectoryName>MyCustomerOrigin</DirectoryName>
        <HostHeader>images.mydomain.com:80</HostHeader>
        <HttpFullUrl>
          http://wac.0001.edgecastcdn.net/800001/MyCustomerOrigin</HttpFullUrl>
        <HttpHostnames>
          <Hostname>
              <IsPrimary>0</IsPrimary>
              <Name>http://images1.mydomain.com:80</Name>
              <Ordinal>0</Ordinal>
          </Hostname>
          <Hostname>
              <IsPrimary>0</IsPrimary>
              <Name>http://images2.mydomain.com:80</Name>
              <Ordinal>1</Ordinal>
          </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>RR</HttpLoadBalancing>
        <HttpsFullUrl i:nil="true" />
        <HttpsHostnames />
        <HttpsLoadBalancing i:nil="true" />
        <Id>1234</Id>
        <MediaTypeId>8</MediaTypeId>
        <ShieldPOPs />
        <UseOriginShield>0</UseOriginShield>
        <networkConfiguration>1</networkConfiguration>
</CustomerOrigin>
```

Get Origin Shield POPs (HTTP Large)

This operation returns a list of the available Origin Shield locations for the HTTP Large platform. This list consists of the name, POP code, and region for each POP that can provide Origin Shield protection to a customer origin server. These abbreviations can then be used to set or to interpret Origin Shield settings for a customer origin.

Note: This operation does not return data for bypass region settings. For information on bypass region settings, please refer to **Appendix E: Origin Shield Locations and Settings**.

Request

A request to find out the available Origin Shield locations (HTTP Large) is described below. When submitting this request, you will need to define the following term:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/httplarge/shieldpops

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each Origin Shield POP returned by this operation:

Name	Description
Name	A string that indicates the name of the POP location where Origin Shield servers reside.
POPCode	A string that indicates the three-letter abbreviation corresponding to the POP location identified by the Name request parameter.
Region	A string that indicates the region corresponding to the POP location identified by the Name request parameter.
	Tip: The region associated with a POP is relevant when configuring an origin server to bypass Origin Shield protection on certain regions.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httplarge/shieldpops
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 1428
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


[{
            "Name" : "Ashburn",
            "POPCode" : "DCA",
```

```
        "Region" : "US East"
}, {
        "Name" : "Los Angeles",
        "POPCode" : "LAX",
        "Region" : "US West"
}, {
        "Name" : "Seattle",
        "POPCode" : "SEA",
        "Region" : "US West"
}, {
        "Name" : "Dallas",
        "POPCode" : "DFW",
        "Region" : "US West"
}, {
        "Name" : "Chicago",
        "POPCode" : "ORD",
        "Region" : "US East"
}, {
        "Name" : "Atlanta",
        "POPCode" : "ATL",
        "Region" : "US East"
}, {
        "Name" : "Frankfurt",
        "POPCode" : "FRA",
        "Region" : "Europe"
}, {
        "Name" : "London",
        "POPCode" : "LHR",
        "Region" : "Europe"
}, {
        "Name" : "Sydney",
        "POPCode" : "SYD",
        "Region" : "Asia"
}, {
        "Name" : "Hong Kong",
        "POPCode" : "HKG",
        "Region" : "Asia"
}, {
```

```
            "Name" : "Tokyo",
            "POPCode" : "NRT",
            "Region" : "Asia"
    }, {
            "Name" : "New York",
            "POPCode" : "JFK",
            "Region" : "US East"
    }, {
            "Name" : "Amsterdam",
            "POPCode" : "AMS",
            "Region" : "Europe"
    }, {
            "Name" : "Singapore",
            "POPCode" : "SIN",
            "Region" : "Asia"
    }, {
            "Name" : "Paris",
            "POPCode" : "CDG",
            "Region" : "Europe"
    }, {
            "Name" : "Miami",
            "POPCode" : "MIA",
            "Region" : "US East"
    }, {
            "Name" : "Madrid",
            "POPCode" : "MAD",
            "Region" : "Europe"
    }, {
            "Name" : "San Jose",
            "POPCode" : "SJC",
            "Region" : "US West"
    }, {
            "Name" : "Osaka",
            "POPCode" : "KIX",
            "Region" : "Asia"
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httplarge/shieldpops
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 2236

Content-Type: application/xml; charset=utf-8

Date: Mon, 10 Jan 2011 12:00:00 GMT


<ArrayOfShieldPOP xmlns="http://www.whitecdn.com/schemas/apiservices/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <ShieldPOP>

            <Name>Sydney</Name>

            <POPCode>SYD</POPCode>

            <Region>Asia</Region>

        </ShieldPOP>

        <ShieldPOP>

            <Name>Hong Kong</Name>

            <POPCode>HKG</POPCode>

            <Region>Asia</Region>

        </ShieldPOP>

        <ShieldPOP>

            <Name>Tokyo</Name>

            <POPCode>NRT</POPCode>

            <Region>Asia</Region>

        </ShieldPOP>

        <ShieldPOP>

            <Name>Singapore</Name>

            <POPCode>SIN</POPCode>

            <Region>Asia</Region>

        </ShieldPOP>

        <ShieldPOP>
```

```xml
        <Name>Osaka</Name>
        <POPCode>KIX</POPCode>
        <Region>Asia</Region>
    </ShieldPOP>
    <ShieldPOP>
        <Name>Frankfurt</Name>
        <POPCode>FRA</POPCode>
        <Region>Europe</Region>
    </ShieldPOP>
    <ShieldPOP>
        <Name>London</Name>
        <POPCode>LHR</POPCode>
        <Region>Europe</Region>
    </ShieldPOP>
    <ShieldPOP>
        <Name>Amsterdam</Name>
        <POPCode>AMS</POPCode>
        <Region>Europe</Region>
    </ShieldPOP>
    <ShieldPOP>
        <Name>Paris</Name>
        <POPCode>CDG</POPCode>
        <Region>Europe</Region>
    </ShieldPOP>
    <ShieldPOP>
        <Name>Madrid</Name>
        <POPCode>MAD</POPCode>
        <Region>Europe</Region>
    </ShieldPOP>
    <ShieldPOP>
        <Name>Ashburn</Name>
        <POPCode>DCA</POPCode>
        <Region>US East</Region>
    </ShieldPOP>
    <ShieldPOP>
        <Name>Chicago</Name>
        <POPCode>ORD</POPCode>
        <Region>US East</Region>
```

```xml
        </ShieldPOP>
        <ShieldPOP>
            <Name>Atlanta</Name>
            <POPCode>ATL</POPCode>
            <Region>US East</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>New York</Name>
            <POPCode>JFK</POPCode>
            <Region>US East</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Miami</Name>
            <POPCode>MIA</POPCode>
            <Region>US East</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Los Angeles</Name>
            <POPCode>LAX</POPCode>
            <Region>US West</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Seattle</Name>
            <POPCode>SEA</POPCode>
            <Region>US West</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Dallas</Name>
            <POPCode>DFW</POPCode>
            <Region>US West</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>San Jose</Name>
            <POPCode>SJC</POPCode>
            <Region>US West</Region>
        </ShieldPOP>
</ArrayOfShieldPOP>
```

Get Origin Shield POPs (HTTP Small)

This operation returns a list of the available Origin Shield locations for the HTTP Small platform. This list consists of the name, POP code, and region for each POP that can provide Origin Shield protection to a customer origin server. These abbreviations can then be used to set or to interpret Origin Shield settings for a customer origin.

Note: This operation does not return data for bypass region settings. For information on bypass region settings, please refer to **Appendix E: Origin Shield Locations and Settings**.

Request

A request to find out the available Origin Shield locations (HTTP Small) is described below. When submitting this request, you will need to define the following term:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/httpsmall/shieldpops

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each Origin Shield POP returned by this operation:

Name	Description
Name	A string that indicates the name of the POP location where Origin Shield servers reside.
POPCode	A string that indicates the three-letter abbreviation corresponding to the POP location identified by the Name request parameter.
Region	A string that indicates the region corresponding to the POP location identified by the Name request parameter.
	Tip: The region associated with a POP is relevant when configuring an origin server to bypass Origin Shield protection on certain regions.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httpsmall/shieldpops
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 1428

Content-Type: application/json; charset=utf-8

Date: Mon, 10 Jan 2011 12:00:00 GMT


[{

            "Name" : "Ashburn",

            "POPCode" : "DCA",

            "Region" : "US East"

    }, {

            "Name" : "Los Angeles",

            "POPCode" : "LAX",
```

```
                    "Region" : "US West"
        }, {
                    "Name" : "Seattle",
                    "POPCode" : "SEA",
                    "Region" : "US West"
        }, {
                    "Name" : "Dallas",
                    "POPCode" : "DFW",
                    "Region" : "US West"
        }, {
                    "Name" : "Chicago",
                    "POPCode" : "ORD",
                    "Region" : "US East"
        }, {
                    "Name" : "Atlanta",
                    "POPCode" : "ATL",
                    "Region" : "US East"
        }, {
                    "Name" : "Frankfurt",
                    "POPCode" : "FRA",
                    "Region" : "Europe"
        }, {
                    "Name" : "London",
                    "POPCode" : "LHR",
                    "Region" : "Europe"
        }, {
                    "Name" : "Sydney",
                    "POPCode" : "SYD",
                    "Region" : "Asia"
        }, {
                    "Name" : "Hong Kong",
                    "POPCode" : "HKG",
                    "Region" : "Asia"
        }, {
                    "Name" : "Tokyo",
                    "POPCode" : "NRT",
                    "Region" : "Asia"
        }, {
```

```
            "Name" : "New York",
            "POPCode" : "JFK",
            "Region" : "US East"
    }, {
            "Name" : "Amsterdam",
            "POPCode" : "AMS",
            "Region" : "Europe"
    }, {
            "Name" : "Singapore",
            "POPCode" : "SIN",
            "Region" : "Asia"
    }, {
            "Name" : "Paris",
            "POPCode" : "CDG",
            "Region" : "Europe"
    }, {
            "Name" : "Miami",
            "POPCode" : "MIA",
            "Region" : "US East"
    }, {
            "Name" : "Madrid",
            "POPCode" : "MAD",
            "Region" : "Europe"
    }, {
            "Name" : "San Jose",
            "POPCode" : "SJC",
            "Region" : "US West"
    }, {
            "Name" : "Osaka",
            "POPCode" : "KIX",
            "Region" : "Asia"
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/origins/httpsmall/shieldpops
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 2236
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT

<ArrayOfShieldPOP xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <ShieldPOP>
            <Name>Sydney</Name>
            <POPCode>SYD</POPCode>
            <Region>Asia</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Hong Kong</Name>
            <POPCode>HKG</POPCode>
            <Region>Asia</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Tokyo</Name>
            <POPCode>NRT</POPCode>
            <Region>Asia</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Singapore</Name>
            <POPCode>SIN</POPCode>
            <Region>Asia</Region>
        </ShieldPOP>
        <ShieldPOP>
```

```xml
        <Name>Osaka</Name>
        <POPCode>KIX</POPCode>
        <Region>Asia</Region>
</ShieldPOP>
<ShieldPOP>
        <Name>Frankfurt</Name>
        <POPCode>FRA</POPCode>
        <Region>Europe</Region>
</ShieldPOP>
<ShieldPOP>
        <Name>London</Name>
        <POPCode>LHR</POPCode>
        <Region>Europe</Region>
</ShieldPOP>
<ShieldPOP>
        <Name>Amsterdam</Name>
        <POPCode>AMS</POPCode>
        <Region>Europe</Region>
</ShieldPOP>
<ShieldPOP>
        <Name>Paris</Name>
        <POPCode>CDG</POPCode>
        <Region>Europe</Region>
</ShieldPOP>
<ShieldPOP>
        <Name>Madrid</Name>
        <POPCode>MAD</POPCode>
        <Region>Europe</Region>
</ShieldPOP>
<ShieldPOP>
        <Name>Ashburn</Name>
        <POPCode>DCA</POPCode>
        <Region>US East</Region>
</ShieldPOP>
<ShieldPOP>
        <Name>Chicago</Name>
        <POPCode>ORD</POPCode>
        <Region>US East</Region>
```

```xml
        </ShieldPOP>
        <ShieldPOP>
            <Name>Atlanta</Name>
            <POPCode>ATL</POPCode>
            <Region>US East</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>New York</Name>
            <POPCode>JFK</POPCode>
            <Region>US East</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Miami</Name>
            <POPCode>MIA</POPCode>
            <Region>US East</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Los Angeles</Name>
            <POPCode>LAX</POPCode>
            <Region>US West</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Seattle</Name>
            <POPCode>SEA</POPCode>
            <Region>US West</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>Dallas</Name>
            <POPCode>DFW</POPCode>
            <Region>US West</Region>
        </ShieldPOP>
        <ShieldPOP>
            <Name>San Jose</Name>
            <POPCode>SJC</POPCode>
            <Region>US West</Region>
        </ShieldPOP>
</ArrayOfShieldPOP>
```

Reselect ADN Gateways

This operation allows the reselection of the set of ADN gateways that will be associated with a customer origin.

Request

A request to reselect ADN gateways is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **CustomerOriginID:** This term determines the customer origin that will be updated. It should be replaced by the ID of the customer origin that you would like to update.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/adn/*CustomerOriginID*/reselect

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

The request format is identical for both JSON and XML. A sample request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/origins/adn/123456/reselect HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Host: api.edgecast.com
```

The response is identical for both JSON and XML. A sample response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

Update Customer Origin (ADN)

This operation allows you to set the properties for a customer origin on the ADN platform.

Important: Updating a customer origin will overwrite the entire customer origin configuration. This will occur regardless of whether a request parameter has been excluded from the request.

Note: This operation cannot be used to update the directory assigned to a customer origin configuration that has been associated with an edge CNAME.

Request

A request to update the properties of a customer origin configuration is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **CustomerOriginID:** This term determines the customer origin that will be updated. It should be replaced by the ID of the customer origin that you would like to update.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/adn/*CustomerOriginID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The request parameters for this operation are described below.

Note: The indented parameters indicate that they are a property of the request parameter directly above it. When submitting a request, you will need to use the proper syntax to indicate this relationship. Please refer to the parent request parameter for more information.

Note: Hostnames are associated with a customer origin configuration according to the request type (i.e., HTTP or HTTPS) that they will handle. Although you may choose to define a set of hostnames for each request type, you are only required to specify a single hostname and load balancing method for either request type. If you choose to define one or more hostnames, then you will also need to define the load balancing method for that request type.

Name	Description
DirectoryName	Required. An alphanumeric string that identifies your customer origin configuration. It is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://adn.0001.edgecastcdn.net/800001/*CustomerOrigin*).
	Important: This setting is read-only for a customer origin configuration that has been associated with at least one edge CNAME configuration. For this type of scenario, make sure that this response element is set to the directory name currently assigned to the customer origin configuration.
FollowRedirects	A Boolean that determines whether our edge servers will respect a URL redirect when validating the set of optimal ADN gateway servers for your customer origin configuration. **Default value:** False
HostHeader	Required. A string that identifies the IP address/hostname and port associated with a request. A host header is especially useful when there are multiple virtual domains hosted on a single physical server or load-balanced set of servers.
	Note: A protocol should not be specified when setting this parameter.
HttpHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTP requests. Keep in mind the following formatting information: • **XML:** Each hostname must be contained within a <Hostname> tag. • **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces.

Name	Description
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being created. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80)
HttpLoadBalancing	Required. A string that determines how HTTP requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.

Name	Description
HttpsHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTPS requests. Keep in mind the following formatting information: • **XML:** Each hostname must be contained within a \<Hostname\> tag. • **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces. **Important:** This request parameter is only available for customers that have purchased an SSL certificate or the HTTPS feature.
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being created. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80) **Note:** If you specify HTTP hostnames to serve HTTPS requests, then you will sacrifice end-to-end data encryption.
HttpsLoadBalancing	Required. A string that determines how HTTPS requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each

Name	Description
	hostname.
	Note: The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
NetworkConfiguration	An integer that determines how hostnames associated with this customer origin configuration will be resolved to an IP address. Valid values are:
	• **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only.
	• **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6.
	• **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4.
	• **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4.
	• **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.
ValidationURL	Required. A string that defines the URL to a sample asset stored on your servers. A set of optimal ADN gateway servers for your customer origin server is determined through the delivery of this sample asset.
	Note: Make sure that the domain in the specified URL matches the one defined in the HostHeader request parameter.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/origins/adn/123456 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 417


{
        "DirectoryName" : "MyWebServer",
        "HostHeader" : "webapp.mydomain.com:80",
        "HttpHostnames" :
        [{
                    "Name" : "http:\/\/webapp1.mydomain.com:80"
            }, {
                    "Name" : "http:\/\/webapp2.mydomain.com:80"
            }
        ],
        "HttpLoadBalancing" : "RR",
        "HttpsHostnames" :
        [{
                    "Name" : "https:\/\/webapp.mydomain.com:443"
            }
        ],
        "HttpsLoadBalancing" : "PF",
        "ValidationURL":"http:\/\/webapp.mydomain.com:443\/images\/PerformanceTestObject
        _5k.gif"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 0
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/origins/adn/123456 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 651

<CustomerOriginParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <DirectoryName>MyWebServer</DirectoryName>
        <HostHeader>webapp.mydomain.com:80</HostHeader>
        <HttpHostnames>
                <Hostname>
                        <Name>http://webapp1.mydomain.com:80</Name>
                </Hostname>
                <Hostname>
                        <Name>http://webapp2.mydomain.com:80</Name>
                </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>RR</HttpLoadBalancing>
        <HttpsHostnames>
                <Hostname>
                        <Name>https://webapp.mydomain.com:443</Name>
                </Hostname>
        </HttpsHostnames>
        <HttpsLoadBalancing>PF</HttpsLoadBalancing>
        <ValidationURL>https://webapp.mydomain.com:443/images/PerformanceTestObject_5k.g
        if</ValidationURL>
</CustomerOriginParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 0
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

Update Customer Origin (Flash Media Streaming)

This operation allows you to set the properties for a customer origin on the Flash Media Streaming platform.

Important: Updating a customer origin will overwrite the entire customer origin configuration. This will occur regardless of whether a request parameter has been excluded from the request.

Note: This operation cannot be used to update the directory assigned to a customer origin configuration that has been associated with an edge CNAME.

Request

A request to update the properties of a customer origin configuration is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **CustomerOriginID:** This term determines the customer origin that will be updated. It should be replaced by the ID of the customer origin that you would like to update.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/flash/*CustomerOriginID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The request parameters for this operation are described below.

Note: The indented parameters indicate that they are a property of the request parameter directly above it. When submitting a request, you will need to use the proper syntax to indicate this relationship. Please refer to the parent request parameter for more information.

Name	Description
DirectoryName	Required. An alphanumeric string that identifies your customer origin configuration. It is appended to the end of the base CDN URL that points to your customer origin server (e.g., rtmp://fms.0001.edgecastcdn.net/800001/*CustomerOrigin*).
	Important: This setting is read-only for a customer origin configuration that has been associated with at least one edge CNAME configuration. For this type of scenario, make sure that this response element is set to the directory name currently assigned to the customer origin configuration.
HostHeader	Required. A string that identifies the IP address/hostname and port associated with a request. A host header is especially useful when there are multiple virtual domains hosted on a single physical server or load-balanced set of servers.
	Note: A protocol should not be specified when setting this parameter.
HttpHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTP requests. Keep in mind the following formatting information: • **XML:** Each hostname must be contained within a <Hostname> tag. • **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces.
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being updated. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80)

Name	Description
HttpLoadBalancing	Required. A string that determines how HTTP requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
networkConfiguration	An integer that determines how hostnames associated with this customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/origins/flash/1234 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 259


{
        "DirectoryName" : "MyCustomerOrigin",
        "HostHeader" : "images.mydomain.com:80",
        "HttpHostnames" :
        [{
                    "Name" : "http:\/\/images1.mydomain.com:80"
            }, {
                    "Name" : "http:\/\/images2.mydomain.com:80"
            }
        ],
```

```
        "HttpLoadBalancing" : "RR"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/origins/flash/1234 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 422


<CustomerOriginParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <DirectoryName>MyCustomerOrigin</DirectoryName>
        <HostHeader>images.mydomain.com:80</HostHeader>
        <HttpHostnames>
                <Hostname>
                        <Name>http://images1.mydomain.com:80</Name>
                </Hostname>
                <Hostname>
                        <Name>http://images2.mydomain.com:80</Name>
                </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>RR</HttpLoadBalancing>
</CustomerOriginParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

Update Customer Origin (HTTP Large)

This operation allows you to set the properties for a customer origin on the HTTP Large platform.

Important: Updating a customer origin will overwrite the entire customer origin configuration. This will occur regardless of whether a request parameter has been excluded from the request.

Note: This operation cannot be used to update the directory assigned to a customer origin configuration that has been associated with an edge CNAME.

Request

A request to update a customer origin configuration is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **CustomerOriginID:** This term determines the customer origin that will be updated. It should be replaced by the ID of the customer origin that you would like to update.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/httplarge/*CustomerOriginID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
The request parameters for this operation are described below.

Note: Indented parameters indicate that they are a property of the request parameter directly above it. When submitting a request, you will need to use the proper syntax to indicate this relationship. Please refer to the parent request parameter for more information.

Note: Hostnames are associated with a customer origin configuration according to the request type (i.e., HTTP or HTTPS) that they will handle. Although you may choose to define a set of hostnames for each request type, you are only required to specify a single hostname and load

balancing method for either request type. If you choose to define one or more hostnames, then you will also need to define the load balancing method for that request type.

Name	Description
DirectoryName	Required. An alphanumeric string that identifies your customer origin configuration. It is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://wpc.0001.edgecastcdn.net/800001/*CustomerOrigin*).
	Important: This setting is read-only for a customer origin configuration that has been associated with at least one edge CNAME configuration. For this type of scenario, make sure that this response element is set to the directory name currently assigned to the customer origin configuration.
HostHeader	Required. A string that identifies the IP address/hostname and port associated with a request. A host header is especially useful when there are multiple virtual domains hosted on a single physical server or load-balanced set of servers.
	Note: A protocol should not be specified when setting this parameter.
HttpHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTP requests. Keep in mind the following formatting information: • **XML:** Each hostname must be contained within a \<Hostname\> tag. • **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces.
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being updated. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80)
HttpLoadBalancing	Required. A string that determines how HTTP requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will

Name	Description
	serve requests through that web server.
	Valid values for this request parameter are described below.
	• **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname.
	• **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname.
	Note: The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
HttpsHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTPS requests. Keep in mind the following formatting information:
	• **XML:** Each hostname must be contained within a <Hostname> tag.
	• **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces.
	Important: This request parameter is only available for customers that have purchased an SSL certificate or the HTTPS feature.
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being updated.
	Use one of the following formats to identify an origin server:
	• *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80)
	• *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80)
	• *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80)
	Note: If you specify HTTP hostnames to serve HTTPS requests, then you will sacrifice end-to-end data encryption.

Name	Description
HttpsLoadBalancing	Required. A string that determines how HTTPS requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
ShieldPOPs	The Origin Shield feature, which must be purchased separately, can be used to reduce the number of requests that must be handled by your customer origin server. If you choose to protect your customer origin with this feature, then you will need to specify each point-of-presence (POP) location where Origin Shield servers will be used to provide an intermediate cache layer between our edge servers and your customer origin. When specifying this option, keep in mind the following formatting information: • **XML:** Each Origin Shield location must be contained within a <ShieldPOP> tag. • **JSON:** The desired set of Origin Shield locations must be contained within a set of square brackets. Additionally, each Origin Shield location (i.e., POPCode request parameter) must be contained with a set of curly braces. **Tip:** If you would like to configure the Origin Shield feature to produce an optimal reduction in requests to your customer origin server, then you should only specify a single location. The specified location should be the POP closest to your customer origin server.

Name	Description
POPCode	A string that indicates a three-letter abbreviation for the desired Origin Shield POP location. For more information, please refer to **Appendix E: Origin Shield Locations and Settings**.
	Note: If you would like to specify multiple values, then you will need to include multiple instances of this parameter.
networkConfiguration	An integer that determines how hostnames associated with this customer origin configuration will be resolved to an IP address. Valid values are:
	• **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only.
	• **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6.
	• **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4.
	• **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4.
	• **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/origins/httplarge/1234 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 434


{
        "DirectoryName" : "MyCustomerOrigin",
        "HostHeader" : "images.mydomain.com:80",
        "HttpHostnames" :
        [{
                        "Name" : "http:\/\/images1.mydomain.com:80"
                }, {
                        "Name" : "http:\/\/images2.mydomain.com:80"
                }
        ],
        "HttpLoadBalancing" : "RR",
        "HttpsHostnames" :
        [{
                        "Name" : "https:\/\/images.mydomain.com:443"
                }
        ],
        "HttpsLoadBalancing" : "PF",
        "ShieldPOPs" :
        [{
                        "POPCode" : "lax"
                }
        ]
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/origins/httplarge/1234 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 657

<CustomerOriginParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <DirectoryName>MyCustomerOrigin</DirectoryName>
        <HostHeader>images.mydomain.com:80</HostHeader>
        <HttpHostnames>
                <Hostname>
                        <Name>http://images1.mydomain.com:80</Name>
                </Hostname>
                <Hostname>
                        <Name>http://images2.mydomain.com:80</Name>
                </Hostname>
        </HttpHostnames>
        <HttpLoadBalancing>RR</HttpLoadBalancing>
        <HttpsHostnames>
                <Hostname>
                        <Name>https://images.mydomain.com:443</Name>
                </Hostname>
        </HttpsHostnames>
        <HttpsLoadBalancing>PF</HttpsLoadBalancing>
        <ShieldPOPs>
                <ShieldPOP>
                        <POPCode>LAX</POPCode>
                </ShieldPOP>
        </ShieldPOPs>
```

```
</CustomerOriginParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

Update Customer Origin (HTTP Small)

This operation allows you to set the properties for a customer origin on the HTTP Small platform.

Important: Updating a customer origin will overwrite the entire customer origin configuration. This will occur regardless of whether a request parameter has been excluded from the request.

Note: This operation cannot be used to update the directory assigned to a customer origin configuration that has been associated with an edge CNAME.

Request

A request to update the properties of a customer origin configuration is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **CustomerOriginID:** This term determines the customer origin that will be updated. It should be replaced by the ID of the customer origin that you would like to update.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*xxxx*/origins/httpsmall/*CustomerOriginID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
The request parameters for this operation are described below.

Note: The indented parameters indicate that they are a property of the request parameter directly above it. When submitting a request, you will need to use the proper syntax to indicate this relationship. Please refer to the parent request parameter for more information.

Note: Hostnames are associated with a customer origin configuration according to the request type (i.e., HTTP or HTTPS) that they will handle. Although you may choose to define a set of hostnames for each request type, you are only required to specify a single hostname and load balancing method for either request type. If you choose to define one or more hostnames, then you will also need to define the load balancing method for that request type.

Name	Description
DirectoryName	Required. An alphanumeric string that identifies your customer origin configuration. This name is appended to the end of the base CDN URL that points to your customer origin server (e.g., http://wac.0001.edgecastcdn.net/800001/*CustomerOrigin*). **Important:** This setting is read-only for a customer origin configuration that has been associated with at least one edge CNAME configuration. For this type of scenario, make sure that this response element is set to the directory name currently assigned to the customer origin configuration.
HostHeader	Required. A string that identifies the IP address/hostname and port associated with a request. A host header is especially useful when there are multiple virtual domains hosted on a single physical server or load-balanced set of servers. **Note:** A protocol should not be specified when setting this parameter.
HttpHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTP requests. Keep in mind the following formatting information: • **XML:** Each hostname must be contained within a <Hostname> tag. • **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces.
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being updated. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80)

Name	Description
HttpLoadBalancing	Required. A string that determines how HTTP requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.
HttpsHostnames	Required. This response element is only used to indicate that you plan on specifying one or more hostnames for handling HTTPS requests. Keep in mind the following formatting information: • **XML:** Each hostname must be contained within a <Hostname> tag. • **JSON:** The desired set of hostnames must be contained within a set of square brackets. Additionally, each hostname (i.e., Name request parameter) must be contained with a set of curly braces. **Important:** This request parameter is only available for customers that have purchased an SSL certificate or the HTTPS feature.

Name	Description
Name	Required. A string that determines the hostname/IP address of the origin server that will be associated with the customer origin configuration being updated. Use one of the following formats to identify an origin server: • *protocol*://*hostname*:*port* (e.g., http://www.mydomain.com:80) • *protocol*://*IPv4Address*:*port* (e.g., http://10.10.10.255:80) • *protocol*://[*IPv6Address*]:*port* (e.g., http://[1:2:3:4:5:6:7:8]:80) **Note:** If you specify HTTP hostnames to serve HTTPS requests, then you will sacrifice end-to-end data encryption.
HttpsLoadBalancing	Required. A string that determines how HTTPS requests will be load balanced for the specified hostnames. Our servers will use DNS to resolve the specified hostnames into an ordered list of IP addresses. If you have only specified a single web server for this origin server configuration, then either of the following load balancing methods will serve requests through that web server. Valid values for this request parameter are described below. • **PF:** This value indicates that "Primary and Failover" mode will be used to load balance requests for this customer origin. In this mode, the specified hostnames form an ordered failover list. All requests will first be sent to the first hostname in the list. If that server is unavailable (i.e., TCP connection is refused or a timeout occurs), then the request will be sent to the next hostname. • **RR:** This value indicates that "Round Robin" mode will be used to load balance requests for this customer origin. In this mode, our servers will send a balanced numbers of requests to each hostname. **Note:** The load balancing mode specified for your customer origin configuration is independent from any load balancing configuration that may exist at the origin server.

Name	Description
ShieldPOPs	The Origin Shield feature, which must be purchased separately, can be used to reduce the number of requests that must be handled by your customer origin server. If you choose to protect your customer origin with this feature, then you will need to specify each point-of-presence (POP) location where Origin Shield servers will be used to provide an intermediate cache layer between our edge servers and your customer origin. Keep in mind the following formatting information: • **XML:** Each Origin Shield location must be contained within a <ShieldPOP> tag. • **JSON:** The desired set of Origin Shield locations must be contained within a set of square brackets. Additionally, each Origin Shield location (i.e., POPCode request parameter) must be contained with a set of curly braces. **Tip:** If you would like to configure the Origin Shield feature to produce an optimal reduction in requests to your customer origin server, then you should only specify a single location. The specified location should be the POP closest to your customer origin server.
POPCode	A three-letter abbreviation that indicates each POP location for which the Origin Shield feature will be activated. You will need to specify this request parameter for each desired location. For more information, please refer to **Appendix E: Origin Shield Locations and Settings**.
networkConfiguration	An integer that determines how hostnames associated with this customer origin configuration will be resolved to an IP address. Valid values are: • **1:** Default. Indicates that the IP preference for this customer origin will be system-defined. Currently, this configuration causes hostnames to be resolved to IPv4 only. • **2:** IPv6 Preferred over IPv4. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv6. • **3:** IPv4 Preferred over IPv6. Indicates that although hostnames for this customer origin can be resolved to either IP version, a preference will be given to IPv4. • **4:** IPv4 Only. Indicates that hostnames for this customer origin can only be resolved to IPv4. • **5:** IPv6 Only. Indicates that hostnames for this customer origin can only be resolved to IPv6.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/origins/httpsmall/1234 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 385


{
        "DirectoryName" : "MyCustomerOrigin",
        "HostHeader" : "images.mydomain.com:80",
        "HttpHostnames" :
        [{
                    "Name" : "http:\/\/images1.mydomain.com:80"
            }, {
                    "Name" : "http:\/\/images2.mydomain.com:80"
            }
        ],
```

```
        "HttpLoadBalancing" : "RR",
        "HttpsHostnames" :
        [{
                    "Name" : "https:\/\/images.mydomain.com:443"
            }
        ],
        "HttpsLoadBalancing" : "PF",
        "ShieldPOPs" :
        [{
                    "POPCode" : "lax"
            }
        ]
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 25
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/origins/httpsmall/1234 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 657

<CustomerOriginParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <DirectoryName>MyCustomerOrigin</DirectoryName>
        <HostHeader>images.mydomain.com:80</HostHeader>
        <HttpHostnames>
                <Hostname>
                        <Name>http://images1.mydomain.com:80</Name>
                </Hostname>
                <Hostname>
```

```
                <Name>http://images2.mydomain.com:80</Name>
        </Hostname>
    </HttpHostnames>
    <HttpLoadBalancing>RR</HttpLoadBalancing>
    <HttpsHostnames>
        <Hostname>
                <Name>https://images.mydomain.com:443</Name>
        </Hostname>
    </HttpsHostnames>
    <HttpsLoadBalancing>PF</HttpsLoadBalancing>
    <ShieldPOPs>
        <ShieldPOP>
                <POPCode>LAX</POPCode>
        </ShieldPOP>
    </ShieldPOPs>
</CustomerOriginParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 197
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

Edge CNAMEs

The operations covered in this section allow you to add, retrieve, update, and delete edge CNAMEs.

Add Edge CNAME

This operation allows you to create an edge CNAME.

Note: Although this operation allows you to create an edge CNAME, it will not add a CNAME record on a DNS server. This step must be performed before content can be requested through the new edge CNAME.

Request

A request to create an edge CNAME is described below. When submitting this request, you will need to define the following term:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*xxxx*/cnames

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

Optional and required request parameters for this operation are described below.

Name	Description
DirPath	Required. A string that identifies a location on the origin server. This string should specify the relative path from the root folder of the origin server to the desired location.
	Tip: Set this parameter to blank to point the edge CNAME to the root folder of the origin server.
EnableCustomReports	An integer that determines whether hits and data transferred statistics will be tracked for this edge CNAME. Logged data can be viewed through the Custom Reports module.
	Valid values for this parameter are:
	- **0:** Disabled (Default Value).
	- **1:** Enabled. CDN activity on this edge CNAME will be logged.

Name	Description
MediaTypeId	Required. An integer that identifies the platform on which the edge CNAME will be created. Valid values for this parameter are: • **2:** Flash Media Streaming • **3:** HTTP Large (Includes SSL Traffic) • **8:** HTTP Small (Includes SSL Traffic) • **14:** Application Delivery Network (ADN) – (Includes SSL Traffic)
Name	Required. A string that sets the name that will be assigned to the edge CNAME. It should only contain lower-case alphanumeric characters, dashes, and periods. The name specified for this parameter should also be defined as a CNAME record on a DNS server. The CNAME record defined on the DNS server should point to the CDN hostname (e.g., wpc.0001.edgecastcdn.net) for the platform identified by the MediaTypeId request parameter.
OriginId	Required. An integer that identifies whether an edge CNAME will be created for a CDN origin server or a customer origin server. Valid values for this parameter are listed below. • **-1:** Indicates that you would like to create an edge CNAME for our CDN storage service. This type of edge CNAME points to the root folder of a CDN origin server (e.g., /000001). • *CustomerOriginID*: Specifying an ID for an existing customer origin configuration indicates that you would like to create an edge CNAME for that customer origin. This type of edge CNAME points to the root folder of that customer origin server (e.g., /800001*CustomerOrigin*). **Tip:** Retrieve a list of customer origin IDs through the Get All Customer Origins operation that corresponds to the desired platform.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
CNameId	An integer that indicates the ID assigned to the new edge CNAME.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/cnames HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 99


{
        "DirPath" : "",
        "MediaTypeId" : 3,
        "Name" : "images.mydomain.com",
        "OriginId" : -1
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 19
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


{
        "CNameId" : 5
}
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/cnames HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 230

<CustomerCnameParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <DirPath></DirPath>
        <MediaTypeId>3</MediaTypeId>
        <Name>images.mydomain.com</Name>
        <OriginId>-1</OriginId>
</CustomerCnameParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 178
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


<CustomerCnameAddResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <CNameId>12345</CNameId>
</CustomerCnameAddResult>
```

Delete Edge CNAME

This operation allows you to delete an edge CNAME from a customer's account.

Request

A request to delete an edge CNAME is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **EdgeCNAMEID:** This term identifies an edge CNAME by its ID.

HTTP Method	Request URI
DELETE	https://api.edgecast.com/v2/mcc/customers/*xxxx*/cnames/*EdgeCNAMEID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

The request format is identical for both JSON and XML. A sample request is provided below.

```
DELETE https://api.edgecast.com/v2/mcc/customers/0001/cnames/123456 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Host: api.edgecast.com
```

The response is identical for both JSON and XML. A sample response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

Get All Edge CNAMEs (ADN)

This operation is used to retrieve all edge CNAMEs for the ADN platform.

Request

A request to retrieve a list of the edge CNAMEs (ADN) associated with a customer's account is described below. When submitting this request, you will need to define the following term:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/cnames/adn

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each edge CNAME returned by this operation:

Name	Description
DirPath	A string that indicates the relative location on the origin server to which the edge CNAME is pointed. If this response element is set to blank, then the edge CNAME points to the root folder of the origin server.
EnableCustomReports	An integer that indicates whether hits and data transferred statistics are being tracked for this edge CNAME. Logged data can be viewed through the Custom Reports module. Valid values for this parameter are: • **0:** Disabled (Default Value). • **1:** Enabled. CDN activity on this edge CNAME is being logged.
Id	An integer that indicates the ID for the edge CNAME.
MediaTypeId	An integer that indicates the platform on which the edge CNAME configuration resides. This response element will always report "14," which is the value assigned to the ADN platform.
Name	A string that indicates the name assigned to the edge CNAME.
OriginId	An integer that indicates the origin server associated with the edge CNAME. Valid return values are: • **-1:** Indicates that the edge CNAME points to a CDN origin server. • ***CustomerOriginID*:** Identifies the customer origin server associated with an edge CNAME by its ID.

Name	Description
OriginString	A string that indicates the origin identifier, the account number, and the relative path associated with the edge CNAME. This information is returned using the following format: */yyxxxx/Path*. • **yy:** Indicates the origin identifier (e.g., 00, 80, 20, etc.) associated with the edge CNAME. • **xxxx:** Indicates the CDN customer account number associated with the edge CNAME. • **Path:** Indicates the relative path to the location on the origin server to which the edge CNAME is pointed. This relative path is also returned by the DirPath response element. ▪ **Customer Origin:** If an edge CNAME points to a customer origin server, then this relative path will always start with the name of the customer origin configuration (e.g., /800001/myorigin).

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/cnames/adn HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 416
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

```
[{
            "DirPath" : "\/application",
            "EnableCustomReports" : 0,
            "Id" : 139019,
            "MediaTypeId" : 14,
            "Name" : "cdnbanking.mydomain.com",
            "OriginId" : 114197,
            "OriginString" : "\/800001\/banking "
    }, {
            "DirPath" : "",
            "EnableCustomReports" : 0,
            "Id" : 143659,
            "MediaTypeId" : 14,
            "Name" : "cdn.socialmedia.com",
            "OriginId" : -1,
            "OriginString" : "\/000001"
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/cnames/adn HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 697
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

```xml
<ArrayOfCustomerCname xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <CustomerCname>
                <DirPath>/application</DirPath>
                <EnableCustomReports>0</EnableCustomReports>
                <Id>139019</Id>
                <MediaTypeId>14</MediaTypeId>
                <Name>cdnbanking.mydomain.com</Name>
                <OriginId>114197</OriginId>
                <OriginString>/800001/banking</OriginString>
        </CustomerCname>
        <CustomerCname>
                <DirPath/>
                <EnableCustomReports>0</EnableCustomReports>
                <Id>143659</Id>
                <MediaTypeId>14</MediaTypeId>
                <Name>cdn.socialmedia.com</Name>
                <OriginId>-1</OriginId>
                <OriginString>/000001</OriginString>
        </CustomerCname>
</ArrayOfCustomerCname>
```

Get All Edge CNAMEs (Flash Media Streaming)

This operation allows you to retrieve all edge CNAMEs for the Flash Media Streaming platform.

Request

A request to retrieve a list of the edge CNAMEs (Flash Media Streaming) associated with a customer's account is described below. When submitting this request, you will need to define the following term:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/cnames/fms

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each edge CNAME returned by this operation:

Name	Description
DirPath	A string that indicates the relative location on the origin server to which the edge CNAME is pointed. If this response element is set to blank, then the edge CNAME points to the root folder of the origin server.

Name	Description
EnableCustomReports	An integer that indicates whether hits and data transferred statistics are being tracked for this edge CNAME. Logged data can be viewed through the Custom Reports module. Valid values for this parameter are: • **0:** Disabled (Default Value). • **1:** Enabled. CDN activity on this edge CNAME is being logged.
Id	An integer that indicates the ID for the edge CNAME.
MediaTypeId	An integer that indicates the platform on which the edge CNAME configuration resides. This response element will always report "2," which is the value assigned to the Flash Media Streaming platform.
Name	A string that indicates the name assigned to the edge CNAME.
OriginId	An integer that indicates the origin server associated with the edge CNAME. Valid return values are: • **-1:** Indicates that the edge CNAME points to a CDN origin server. • *CustomerOriginID*: Identifies the customer origin server associated with an edge CNAME by its ID.
OriginString	A string that indicates the origin identifier, the account number, and the relative path associated with the edge CNAME. This information is returned using the following format: */yyxxxx/Path*. • **yy:** Indicates the origin identifier (e.g., 00, 80, 20, etc.) associated with the edge CNAME. • **xxxx:** Indicates the CDN customer account number associated with the edge CNAME. • **Path:** Indicates the relative path to the location on the origin server to which the edge CNAME is pointed. This relative path is also returned by the DirPath response element. ▪ **Customer Origin:** If an edge CNAME points to a customer origin server, then this relative path will always start with the name of the customer origin configuration (e.g., /800001/myorigin).

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/cnames/fms HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 382
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT

[{
            "DirPath" : "",
            "EnableCustomReports" : 0,
            "Id" : 60105,
            "MediaTypeId" : 2,
            "Name" : "my.domain.com",
            "OriginId" : -1,
            "OriginString" : "\/000001"
    }, {
            "DirPath" : "\/2011\/video",
            "EnableCustomReports" : 0,
            "Id" : 60330,
            "MediaTypeId" : 2,
            "Name" : "video.domain.com",
            "OriginId" : 47275,
            "OriginString" : "\/800001\/101.10.10.10\/2011\/video"
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/cnames/fms HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 720
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT

<ArrayOfCustomerCname xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <CustomerCname>
            <DirPath />
            <EnableCustomReports>0</EnableCustomReports>
            <Id>60105</Id>
            <MediaTypeId>2</MediaTypeId>
            <Name>my.domain.com</Name>
            <OriginId>-1</OriginId>
            <OriginString>/000001</OriginString>
        </CustomerCname>
        <CustomerCname>
            <DirPath>/2011/video</DirPath>
            <EnableCustomReports>0</EnableCustomReports>
            <Id>60330</Id>
            <MediaTypeId>2</MediaTypeId>
            <Name>video.domain.com</Name>
            <OriginId>47275</OriginId>
            <OriginString>/800001/101.10.10.10/2011/video</OriginString>
        </CustomerCname>
</ArrayOfCustomerCname>
```

Get All Edge CNAMEs (HTTP Large)

This operation is used to retrieve all edge CNAMEs for the HTTP Large platform.

Request

A request to retrieve a list of the edge CNAMEs (HTTP Large) associated with a customer's account is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/cnames/httplarge

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each edge CNAME returned by this operation:

Name	Description
DirPath	A string that indicates the relative location on the origin server to which the edge CNAME is pointed. If this response element is set to blank, then the edge CNAME points to the root folder of the origin server.

Name	Description
EnableCustomReports	An integer that indicates whether hits and data transferred statistics are being tracked for this edge CNAME. Logged data can be viewed through the Custom Reports module. Valid values for this parameter are: • **0:** Disabled (Default Value). • **1:** Enabled. CDN activity on this edge CNAME is being logged.
Id	An integer that indicates the ID for the edge CNAME.
MediaTypeId	An integer that indicates the platform on which the edge CNAME configuration resides. This response element will always report "3," which is the value assigned to the HTTP Large platform.
Name	A string that indicates the name assigned to the edge CNAME.
OriginId	An integer that indicates the origin server associated with the edge CNAME. Valid return values are: • **-1:** Indicates that the edge CNAME points to a CDN origin server. • ***CustomerOriginID*:** Identifies the customer origin server associated with an edge CNAME by its ID.
OriginString	A string that indicates the origin identifier, the account number, and the relative path associated with the edge CNAME. This information is returned using the following format: */yyxxxx/Path*. • **yy:** Indicates the origin identifier (e.g., 00, 80, 20, etc.) associated with the edge CNAME. • **xxxx:** Indicates the CDN customer account number associated with the edge CNAME. • **Path:** Indicates the relative path to the location on the origin server to which the edge CNAME is pointed. This relative path is also returned by the DirPath response element. ▪ **Customer Origin:** If an edge CNAME points to a customer origin server, then this relative path will always start with the name of the customer origin configuration (e.g., /800001/myorigin).

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/cnames/httplarge HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 386
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT

[{
            "DirPath" : "",
            "EnableCustomReports" : 0,
            "Id" : 10101,
            "MediaTypeId" : 3,
            "Name" : "www.domain.com",
            "OriginId" : -1,
            "OriginString" : "\/000001"
      }, {
            "DirPath" : "\/2011\/images",
            "EnableCustomReports" : 0,
            "Id" : 55330,
            "MediaTypeId" : 3,
            "Name" : "images.domain.com",
            "OriginId" : 12345,
            "OriginString" : "\/800001\/101.10.10.10\/2011\/images"
      }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/cnames/httplarge HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 723
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


<ArrayOfCustomerCname xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <CustomerCname>
            <DirPath />
            <EnableCustomReports>0</EnableCustomReports>
            <Id>10101</Id>
            <MediaTypeId>3</MediaTypeId>
            <Name>my.domain.com</Name>
            <OriginId>-1</OriginId>
            <OriginString>/000001</OriginString>
        </CustomerCname>
        <CustomerCname>
            <DirPath>/2011/images</DirPath>
            <EnableCustomReports>0</EnableCustomReports>
            <Id>55330</Id>
            <MediaTypeId>3</MediaTypeId>
            <Name>images.domain.com</Name>
            <OriginId>12345</OriginId>
            <OriginString>/800001/101.10.10.10/2011/images</OriginString>
        </CustomerCname>
</ArrayOfCustomerCname>
```

Get All Edge CNAMEs (HTTP Small)

This operation is used to retrieve all edge CNAMEs for the HTTP Small platform associated with a particular customer.

Request

A request to retrieve a list of the edge CNAMEs (HTTP Small) associated with a customer's account is described below. When submitting this request, you will need to define the following term:

- **xxxx:** Replace this term with your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/cnames/httpsmall

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each edge CNAME returned by this operation:

Name	Description
DirPath	A string that indicates the relative location on the origin server to which the edge CNAME is pointed. If this response element is set to blank, then the edge CNAME points to the root folder of the origin server.

Name	Description
EnableCustomReports	An integer that indicates whether hits and data transferred statistics are being tracked for this edge CNAME. Logged data can be viewed through the Custom Reports module. Valid values for this parameter are: - **0:** Disabled (Default Value). - **1:** Enabled. CDN activity on this edge CNAME is being logged.
Id	An integer that indicates the ID for the edge CNAME.
MediaTypeId	An integer that indicates the platform on which the edge CNAME configuration resides. This response element will always report "8," which is the value assigned to the HTTP Small platform.
Name	A string that indicates the name assigned to the edge CNAME.
OriginId	An integer that indicates the origin server associated with the edge CNAME. Valid return values are: - **-1:** Indicates that the edge CNAME points to a CDN origin server. - *CustomerOriginID*: Identifies the customer origin server associated with an edge CNAME by its ID.
OriginString	A string that indicates the origin identifier, the account number, and the relative path associated with the edge CNAME. This information is returned using the following format: */yyxxxx/Path*. - **yy:** Indicates the origin identifier (e.g., 00, 80, 20, etc.) associated with the edge CNAME. - **xxxx:** Indicates the CDN customer account number associated with the edge CNAME. - **Path:** Indicates the relative path to the location on the origin server to which the edge CNAME is pointed. This relative path is also returned by the DirPath response element. - **Customer Origin:** If an edge CNAME points to a customer origin server, then this relative path will always start with the name of the customer origin configuration (e.g., /800001/myorigin).

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/cnames/httpsmall HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 386
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT

[{
            "DirPath" : "",
            "EnableCustomReports" : 0,
            "Id" : 20101,
            "MediaTypeId" : 8,
            "Name" : "www.domain.com",
            "OriginId" : -1,
            "OriginString" : "\/000001"
        }, {
            "DirPath" : "\/2011\/images",
            "EnableCustomReports" : 0,
            "Id" : 25330,
            "MediaTypeId" : 8,
            "Name" : "images.domain.com",
            "OriginId" : 12300,
            "OriginString" : "\/800001\/101.10.10.10\/2011\/images"
        }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/cnames/httpsmall HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 723
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


<ArrayOfCustomerCname xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <CustomerCname>
            <DirPath />
            <EnableCustomReports>0</EnableCustomReports>
            <Id>20101</Id>
            <MediaTypeId>8</MediaTypeId>
            <Name>my.domain.com</Name>
            <OriginId>-1</OriginId>
            <OriginString>/000001</OriginString>
        </CustomerCname>
        <CustomerCname>
            <DirPath>/2011/images</DirPath>
            <EnableCustomReports>0</EnableCustomReports>
            <Id>25330</Id>
            <MediaTypeId>8</MediaTypeId>
            <Name>images.domain.com</Name>
            <OriginId>12300</OriginId>
            <OriginString>/800001/101.10.10.10/2011/images</OriginString>
        </CustomerCname>
</ArrayOfCustomerCname>
```

Get Edge CNAME

This operation allows you to view the properties of an edge CNAME.

Note: If you would like to retrieve a list of edge CNAMEs by platform for a particular customer's account, please refer to the section corresponding to the desired platform.

Request

A request to view the properties associated with an edge CNAME is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **EdgeCNAMEID:** This term should be replaced by the ID assigned to the edge CNAME whose properties you would like to view. The ID associated with each edge CNAME is returned by the platform-specific operation called "Get All Edge CNAMEs."

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/cnames/*EdgeCNAMEID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Description
DirPath	A string that indicates a location on the origin server. This string should specify the relative path from the root folder to the desired location. A blank value indicates that the edge CNAME points to the root folder of the origin server.
EnableCustomReports	An integer that indicates whether hits and data transferred statistics are being tracked for this edge CNAME. Logged data can be viewed through the Custom Reports module. Valid values for this parameter are: • **0:** Disabled (Default Value). • **1:** Enabled. CDN activity on this edge CNAME is being logged.
Id	An integer that indicates the ID assigned to the edge CNAME.
MediaTypeId	An integer that indicates the platform associated with the edge CNAME. A platform is identified by its ID. Valid return values are: • **2:** Flash Media Streaming • **3:** HTTP Large • **8:** HTTP Small • **14:** ADN
Name	A string that indicates the name assigned to the edge CNAME.
OriginId	An integer that indicates the origin server associated with the edge CNAME. Valid return values are: • **-1:** Indicates that the edge CNAME points to a CDN origin server. • *CustomerOriginID*: Identifies the customer origin server associated with an edge CNAME by its ID.

Name	Description
OriginString	A string that indicates the origin identifier, the account number, and the relative path associated with the edge CNAME. This information is returned using the following format: /yyxxxx/Path. • **yy:** Indicates the origin identifier (e.g., 00, 80, 20, etc.) associated with the edge CNAME. • **xxxx:** Indicates the CDN customer account number associated with the edge CNAME. • **Path:** Indicates the relative path to the location on the origin server to which the edge CNAME is pointed. This relative path is also returned by the DirPath response element. ▪ **Customer Origin:** If an edge CNAME points to a customer origin server, then this relative path will always start with the name of the customer origin configuration (e.g., /800001/myorigin).

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/cnames/123456 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 192
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


{
        "DirPath" : "\/RelativePath",
        "EnableCustomReports" : 0,
```

```
        "Id" : 123456,

        "MediaTypeId" : 3,

        "Name" : "images.mydomain.com",

        "OriginId" : -1,

        "OriginString" : "\/000001\/RelativePath"

}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/cnames/123456 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 374
Content-Type: application/xml; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT


<CustomerCname xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <DirPath>/RelativePath</DirPath>

        <EnableCustomReports>0</EnableCustomReports>

        <Id>123456</Id>

        <MediaTypeId>3</MediaTypeId>

        <Name>images.mydomain.com</Name>

        <OriginId>-1</OriginId>

        <OriginString>/000001/RelativePath</OriginString>

</CustomerCname>
```

Update Edge CNAME

This operation allows you to update the properties of an edge CNAME configuration.

Note: Although this operation allows you to modify the hostname associated with an edge CNAME configuration, it will not update the corresponding CNAME record on a DNS server. Make sure to do so upon updating an edge CNAME's hostname.

Request

A request to update the properties associated with an edge CNAME configuration is described below. When submitting this request, you will need to define the following terms:

- **xxxx:** Replace this term with your CDN account number.

- **EdgeCNAMEID:** This term should be replaced by the ID corresponding to the edge CNAME configuration whose properties you would like to update. The ID associated with each edge CNAME is returned by the platform-specific operation called "Get All Edge CNAMEs."

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*xxxx*/cnames/*EdgeCNAMEID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The request parameters for this operation are described below.

Note: Omitting or setting an optional parameter to null will prevent it from being assigned a value.

Name	Description
DirPath	A string that defines a location on the origin server to which the edge CNAME configuration will be pointed. This string should specify the relative path from the origin server's root folder to the desired folder.
	Tip: Set this parameter to blank to point the edge CNAME to the root folder of the origin server.

Name	Description
EnableCustomReports	An integer that determines whether hits and data transferred statistics will be tracked for this edge CNAME. Logged data can be viewed through the Custom Reports module. Valid values for this parameter are: • **0:** Disabled (Default Value). • **1:** Enabled. CDN activity on this edge CNAME will be logged.
Name	A string that indicates the name associated with the edge CNAME. It should only contain lower-case alphanumeric characters, dashes, and periods.
OriginId	An integer that determines whether the edge CNAME will point to a CDN origin server or a customer origin server. Valid values for this parameter are listed below. • **-1:** Indicates that you would like to point the edge CNAME to the root folder of a CDN origin server (/00*xxxx*). • *CustomerOriginID***:** Specifying an ID for an existing customer origin configuration indicates that you would like to point an edge CNAME to that customer origin. This type of edge CNAME points to the root folder of that customer origin server (/80*xxxx*/*CustomerOrigin*). **Tip:** Retrieve a list of customer origin IDs through the various Get All Customer Origins operations.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/cnames/123456 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
Content-Length: 133


{
        "DirPath" : "\/RelativePath",
        "EnableCustomReports" : 0,
        "Name" : "images.mydomain.com",
        "OriginId" : -1
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 0
Content-Type: application/json; charset=utf-8
Date: Mon, 10 Jan 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/cnames/123456 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
Content-Length: 295
```

```
<CustomerCnameParameter xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <DirPath>/RelativePath</DirPath>

        <EnableCustomReports>0</EnableCustomReports>

        <Name>images.mydomain.com</Name>

        <OriginId>-1</OriginId>

</CustomerCnameParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 0

Content-Type: application/xml; charset=utf-8

Date: Mon, 10 Jan 2011 12:00:00 GMT
```

Flash Media Streaming

The operations covered in this section only apply to the Flash Media Streaming platform. They allow you to perform the following activities:

- Update and find out the properties for a global live authentication key.

- Create, update, delete, and find out the properties for a stream key used to authenticate encoded video to an ingest server for this platform.

- Get a list of stream keys that have been added to your account.

- Get and set the status of the **Enable SWF Verification** option.

- Get a complete list of SWF Verification URLs.

- Validate the SWF files indicated by those SWF Verification URLs.

- Create, update, and delete SWF Verification URLs.

Add Stream Key (Flash Media Streaming)

This operation allows you to add a stream key for the Flash Media Streaming platform.

Request

A request to add a stream key is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/fmsliveauth/streamkeys

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The required request parameters for this operation are described below.

Name	Description
Key	Required. A string that identifies the live authentication key that may be used to authenticate streams published to the path specified by this stream key configuration. **Key information:** • Use alphanumeric characters when defining a key. • An asterisk that represents one or more characters may be appended to the key.
Path	Required. A string that identifies the relative location for which the specified key will be valid. This relative path starts directly after the content access point (e.g., /200001/). Valid characters for specifying this location are alphanumeric characters, dashes, underscores, and slashes.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Id	An integer that reports the unique number assigned to the newly created stream key.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/streamkeys HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 44


{
        "Key":"123456",
        "Path":"LiveVideos"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 9
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

```
{
      "Id":15
}
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/streamkeys HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 144


<FMSLiveAuthParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
      <Key>123456</Key>
      <Path>LiveVideos</Path>
</FMSLiveAuthParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 137
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<RecordId xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <Id>14</Id>
</RecordId>
```

Add SWF Verification URL

This operation allows you to add a SWF Verification URL for the Flash Media Streaming platform.

Request

A request to add a SWF Verification URL is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/swfverification/urlfiles

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

A required request parameter for this operation is described below.

Name	Description
UrlFile	Required. A string that identifies a URL that points to a SWF file. A client's Flash player will be compared to this file to verify that it has not been tampered or modified in any way.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Id	An integer that reports the unique number assigned to the recently added SWF Verification URL.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/swfverification/urlfiles HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 81


{
        "UrlFile":"http:\/\/wac.0001.edgecastcdn.net\/000001\/swf\/flashplayer.swf"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 9
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


{
        "Id":15
}
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/swfverification/urlfiles HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 165


<SwfUrlFileAdd xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <UrlFile>http://wac.0001.edgecastcdn.net/000001/swf/flashplayer.swf</UrlFile>
</SwfUrlFileAdd>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 162
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<SwfFileUrlIdResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Id>15</Id>
</SwfFileUrlIdResult>
```

Check All SWF Verification URLs

This operation checks whether a valid SWF file exists for each SWF Verfication URL associated with the Flash Media Streaming platform. It will then report the status for each SWF Verification URL.

Request

A request to check each SWF Verification URL is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/swfverification/checkurls

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each URL returned by this operation:

Name	Description
Id	An integer that reports the unique identifier assigned to a SWF Verification URL.
UrlFile	A string that indicates the URL to the SWF file against which a client's Flash player will be compared.
Verified	An integer that indicates whether a valid SWF file was found at the above URL. Before a SWF Verification URL can be verified, a check must be performed. Valid values for this response element are: • **0:** This value indicates that a valid SWF file was not found at the specified URL. • **1:** This value indicates that SWF file indicated by the specified URL was validated.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/swfverification/checkurls HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 231


[{
        "Id" : 10,
```

```
        "UrlFile" : "http:\/\/wac.0001.edgecastcdn.net\/000001\/swf\/flashplayer.swf",
        "Verified" : 1
        }, {
        "Id" : 12,
        "UrlFile" : "http:\/\/wac.0001.edgecastcdn.net\/000001\/swf\/customplayer.swf",
        "Verified" : 0
        }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/swfverification/checkurls HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 540
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<ArrayOfSwfCheckUrlFileResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <SwfCheckUrlFileResult>
            <Id>10</Id>
            <UrlFile>
            http://wac.0001.edgecastcdn.net/000001/swf/flashplayer.swf</UrlFile>
            <Verified>0</Verified>
        </SwfCheckUrlFileResult>
        <SwfCheckUrlFileResult>
            <Id>12</Id>
            <UrlFile>
            http://wac.0001.edgecastcdn.net/000001/swf/customplayer.swf</UrlFile>
            <Verified>1</Verified>
        </SwfCheckUrlFileResult>
</ArrayOfSwfCheckUrlFileResult>
```

Delete Stream Key (Flash Media Streaming)

This operation allows you to delete a stream key from the Flash Media Streaming platform.

Request

A request to delete a stream key is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **KeyID:** This term should be replaced by the unique ID assigned to the stream key that you would like to delete.

HTTP Method	Request URI
DELETE	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/fmsliveauth /streamkeys/*KeyID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation does not contain a response element.

Errors
If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

The request format is identical for both JSON and XML. A sample request is shown below.

```
DELETE https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/streamkeys/10
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Host: api.edgecast.com
```

The response is identical for both JSON and XML. A sample response is shown below.

```
HTTP/1.1 200 OK

Cache-Control: private

Date: Mon, 30 May 2011 12:00:00 GMT
```

Delete SWF Verification URL

This operation allows you to delete a SWF Verification URL from the Flash Media Streaming platform.

Request

A request to delete a SWF Verification URL is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **SWFID:** This term should be replaced by the unique ID assigned to the SWF Verification URL that you would like to delete.

HTTP Method	Request URI
DELETE	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/swfverification/urlfiles/*SWFID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

The request format is identical for both JSON and XML. A sample request is shown below.

```
DELETE https://api.edgecast.com/v2/mcc/customers/0001/swfverification/urlfiles/10
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Host: api.edgecast.com
```

The response is identical for both JSON and XML. A sample response is shown below.

```
HTTP/1.1 200 OK

Cache-Control: private

Date: Mon, 30 May 2011 12:00:00 GMT
```

Get All Stream Keys (Flash Media Streaming)

This operation allows you to retrieve all stream keys associated with the Flash Media Streaming platform.

Request

A request to retrieve a list of stream keys is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/fmsliveauth /streamkeys

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation contains the following response elements for each stream key returned by this operation:

Name	Description
Id	An integer that reports the unique identifier assigned to a stream key configuration.

Name	Description
Key	A string that identifies the live authentication key that may be used to authenticate streams published to the relative path associated with this stream key configuration.
Path	A string that identifies the relative location from the content access point (e.g., /200001/) for which the key associated with this stream key configuration will be valid.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/streamkeys HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 85

[{
        "Id" : 10,
        "Key" : "123456",
        "Path" : "LiveVideos"
    }, {
        "Id" : 11,
        "Key" : "abcdef",
        "Path" : "News"
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/streamkeys HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 296
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<ArrayOfFMSLiveAuth xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <FMSLiveAuth>
            <Id>10</Id>
            <Key>123456</Key>
            <Path>LiveVideos</Path>
        </FMSLiveAuth>
        <FMSLiveAuth>
            <Id>11</Id>
            <Key>abcdef</Key>
            <Path>News</Path>
        </FMSLiveAuth>
</ArrayOfFMSLiveAuth>
```

Get All SWF Verification URLs

This operation allows you to retrieve all SWF Verification URLs associated with the Flash Media Streaming platform.

Request

A request to retrieve a list of SWF Verification URLs is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/swfverification/urlfiles

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each URL returned by this operation:

Name	Description
Id	An integer that reports the unique identifier assigned to a SWF Verification URL.

Name	Description
UrlFile	A string that indicates the URL to the SWF file against which a client's Flash player will be compared.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/swfverification/urlfiles HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 197


[{
      "Id" : 10,
      "UrlFile" : "http:\/\/wac.0001.edgecastcdn.net\/000001\/swf\/flashplayer.swf"
      }, {
      "Id" : 12,
      "UrlFile" : "http:\/\/wac.0001.edgecastcdn.net\/000001\/swf\/customplayer.swf"
      }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/swfverification/urlfiles HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 454
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfSwfUrlFileResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <SwfUrlFileResult>
            <Id>10</Id>
            <UrlFile>
            http://wac.0001.edgecastcdn.net/000001/swf/flashplayer.swf</UrlFile>
        </SwfUrlFileResult>
        <SwfUrlFileResult>
            <Id>12</Id>
            <UrlFile>
            http://wac.0001.edgecastcdn.net/000001/swf/customplayer.swf</UrlFile>
        </SwfUrlFileResult>
</ArrayOfSwfUrlFileResult>
```

Get Global Key (Flash Media Streaming)

This operation allows you to retrieve the global key associated with the Flash Media Streaming platform.

Request

A request to retrieve the global key is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/fmsliveauth/globalkey

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Id	A string that reports the value assigned to the global live authentication key for the Flash Media Streaming platform.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/globalkey HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 27


{
        "Id":"123457890abcdefghi"
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/globalkey HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 160
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

```
<FMSIdResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <Id>1234567890abcdefghi</Id>

</FMSIdResult>
```

Get Stream Key (Flash Media Streaming)

This operation allows you to retrieve the properties associated with a stream key.

Request

A request to retrieve a stream key is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **KeyID:** This term should be replaced by the unique ID assigned to the stream key whose properties you would like to retrieve.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/fmsliveauth/streamkeys/*KeyID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Description
Id	An integer that reports the unique identifier assigned to the requested stream key configuration.
Key	A string that identifies the live authentication key that may be used to authenticate streams published to the relative path associated with this stream key configuration.
Path	A string that identifies the relative location from the content access point (e.g., /200001/) for which the key associated with this stream key configuration will be valid.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/streamkeys/10 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 85
{
      "Id":10,
      "Key":"123456",
      "Path":"LiveVideos"
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/streamkeys/10 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 186
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<FMSLiveAuth xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Id>10</Id>
        <Key>123456</Key>
        <Path>LiveVideos</Path>
</FMSLiveAuth>
```

Get SWF Verification Status

This operation allows you to find out whether the SWF Verification feature is currently enabled on your account.

Request

A request to find out SWF Verification status is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/swfverification/status

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Status	An integer that indicates whether the SWF Verification is currently enabled. Valid values for this response element are: • **0:** The SWF Verification feature is currently disabled. • **1:** The SWF Verification feature is currently enabled.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/swfverification/status HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 18


{
        "Status" : 1
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/swfverification/status HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 189
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<SwfVerificationStatusResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <Status>1</Status>
</SwfVerificationStatusResult>
```

Get SWF Verification URL

This operation allows you to retrieve the specified SWF Verification URL.

Request

A request to retrieve a SWF Verification URL is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **SWFID:** This term should be replaced by the unique ID assigned to the SWF Verification URL whose properties you would like to retrieve.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/swfverification /urlfiles/*SWFID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Description
Id	An integer that reports the unique identifier assigned to a SWF Verification URL.
UrlFile	A string that indicates the URL to the SWF file against which a client's Flash player will be compared.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/swfverification/urlfiles/10 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 95


{
      "Id" : 10,
      "UrlFile" : "http:\/\/wac.0001.edgecastcdn.net\/000001\/swf\/flashplayer.swf"
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/swfverification/urlfiles/10 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 145
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<SwfUrlFileResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <Id>10</Id>
      <UrlFile>
        http://wac.0001.edgecastcdn.net/000001/swf/flashplayer.swf</UrlFile>
</SwfUrlFileResult>
```

Update Global Key (Flash Media Streaming)

This operation allows you to update the value assigned to the global key for the Flash Media Streaming platform.

Request

A request to update the global key is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/fmsliveauth/globalkey

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

A required request parameter for this operation is described below.

Name	Description
Key	Required. A string that identifies the global live authentication key that may be used to authenticate any stream that is published to a location that has not been secured by a stream key.
	Key information:
	• Use alphanumeric characters when defining a key.
	• An asterisk that represents one or more characters may be appended to the key.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/globalkey HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
```

```
Content-Length: 22


{
        "Key":"123456"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/globalkey HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 105


<KeyParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <Key>123456</Key>
</KeyParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Update Stream Key (Flash Media Streaming)

This operation allows you to update the properties of an existing stream key for the Flash Media Streaming platform.

Request

A request to update a stream key is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **KeyID:** This term should be replaced by the unique ID assigned to the stream key that you would like to update.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/fmsliveauth /streamkeys/*KeyID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The required request parameters for this operation are described below.

Name	Description
Key	Required. A string that identifies the live authentication key that may be used to authenticate streams published to the path specified by this stream key configuration. **Key information:** • Use alphanumeric characters when defining a key. • An asterisk that represents one or more characters may be appended to the key.
Path	Required. A string that identifies the relative location for which the specified key will be valid. This relative path starts directly after the content access point (e.g., /200001/). Valid characters for specifying this location are alphanumeric characters, dashes, underscores, and slashes.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/streamkeys/10 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 39


{
        "Key":"123456",
        "Path":"Secure"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/fmsliveauth/streamkeys/10 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 148


<FMSLiveAuthParameter xmlns="http://www.whitecdn.com/schemas/apiservices/">
      <Key>123456</Key>
      <Path>Secure</Path>
</FMSLiveAuthParameter>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Update SWF Verification Status

This operation allows you to set that status for the SWF Verification feature.

Request

A request to set the status for the **Enable SWF Verification** option is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/swfverification/status

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

A required request parameter for this operation is described below.

Name	Description
Status	Required. An integer that determines the status for the SWF Verification feature. Valid values for this request parameter are: • **0:** Determines that the **Enable SWF Verification** option will be cleared. This will disable the SWF Verification feature. • **1:** Determines that the **Enable SWF Verification** option will be marked. This will enable the SWF Verification feature.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/swfverification/status HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 18
```

```
{
        "Status" : 1
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/swfverification/status HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 134


<SwfVerificationStatusUpdate xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <Status>1</Status>
</SwfVerificationStatusUpdate>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Update SWF Verification URL

This operation allows you to update a SWF Verification URL for the Flash Media Streaming platform.

Request

A request to update a SWF Verification URL is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **SWFID:** This term should be replaced by the unique ID assigned to the SWF Verification URL that you would like to update.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/swfverification /urlfiles/*SWFID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
A required request parameter for this operation is described below.

Name	Description
UrlFile	Required. A string that identifies a URL that points to a SWF file. The SWF file identified by this URL will be compared against a client's Flash player to ensure that it has not been tampered or modified.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/swfverification/urlfiles/10 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 82


{
        "UrlFile":"http:\/\/wac.0001.edgecastcdn.net\/000001\/swf\/flashplayer2.swf"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/swfverification/urlfiles/10 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 173
```

```
<SwfUrlFileUpdate xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <UrlFile>http://wac.0001.edgecastcdn.net/000001/swf/flashplayer2.swf</UrlFile>
</SwfUrlFileUpdate>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Log Settings

The operations covered in this section allow you to find out and update your log storage and format configuration.

Get Log Format Settings

This operation provides information describing your current log format configuration for all HTTP platforms. The settings returned by this operation are:

- Base log file format
- Date/time format
- Custom field
- URL format (i.e., content access point inclusion)

Request

A request to retrieve your current log format configuration is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/logformat

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Description
AN	A string that indicates the customer account number whose configuration will be returned. This customer account number will always match the one specified in the request URI.
BaseFormat	An integer that indicates the current base log file format. Valid values for this response element are: • **1:** Indicates that log data will be stored using a default log file format. This format is similar to an extended W3C log file format. • **2:** Indicates that log data will be stored using the combined log file format. This format is the default log file format used by Apache web servers.
CustomFieldHeader	A string that indicates the name of the custom log field header. This response element will always be blank when the **Add the custom file to the log file** option is cleared or the ShowCustomField response element is set to 0.

Name	Description

DateTimeFormat	An integer that indicates the format that will be used to report the date/time field. Valid values for this response element are:
	
	• **0:** Indicates that the date/time field will be reported using Unix time (a.k.a. POSIX time or Unix epoch).
	
	• **1:** Indicates that the date/time field will be reported using a custom format. The format that will be used depends on the base log file format. An example of how the date/time field will be formatted is provided for each type of log file format.
	
	    ▪ **Default format:** 2012-12-10 11:00:00
	
	    ▪ **Combined format:** 10/Dec/2012:11:00:00 +0000

RemoveContentAccessPoint	An integer that indicates whether the content access point will be included in the URL reported by the cs-uri-stem field. Valid values for this response element are: • **0:** Indicates that the content access point will be included in the URL reported by the cs-uri-stem field. • **1:** Indicates that the content access point will be excluded from the URL reported by the cs-uri-stem field.
ShowCustomField	An integer that indicates whether a custom log field will be included in the raw log file. The name for this custom log field is defined by the CustomFieldHeader response element. Valid values for this response element are: • **0:** Indicates that a custom log field will be excluded from your raw log files. • **1:** Indicates that a custom log field will be included in your raw log files.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/logformat HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 158

{
        "AN" : "0001",
        "BaseFormat" : 1,
        "CustomFieldHeader" : "x-ec_custom-1",
        "DateTimeFormat" : 0,
        "RemoveContentAccessPoint" : 0,
        "ShowCustomField" : 1
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/logformat HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 376
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<LogFormatGetResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <AN>0001</AN>
      <BaseFormat>1</BaseFormat>
      <CustomFieldHeader>x-ec_custom-1</CustomFieldHeader>
      <DateTimeFormat>0</DateTimeFormat>
      <RemoveContentAccessPoint>0</RemoveContentAccessPoint>
      <ShowCustomField>1</ShowCustomField>
</LogFormatGetResult>
```

Get Log Storage Settings

This operation provides information describing your current log storage configuration for all platforms. The settings returned by this operation are:

- Log storage overall status

- Log storage status by platform

- Log retention period

Request

A request to retrieve your current log storage configuration is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/logstorage

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Description
AN	A string that indicates the customer account number whose configuration will be returned. This customer account number will always match the one specified in the request URI.
DaysToKeep	An integer that indicates the length of time that the log file will be kept in CDN storage. Valid values for this response element are: • **-1:** Indicates that log files will be kept in CDN storage until they are manually deleted. • **0:** Indicates that log storage has been disabled. • **1**, **5**, **10**, **15**, **30**, **45**, or **60:** Indicates that log files will be kept in CDN storage for the specified number of days. Log files that exceed this retention schedule will be deleted.
IsEnabled	Indicates whether log storage archival is enabled. Valid values for this response element are: • **0:** Indicates that log files will not be archived to CDN storage. • **1:** Indicates that log files can be archived to CDN storage. Whether log files will be archived is determined on a per platform basis as defined by the MediaTypeStatus response element.
MediaTypeStatus	Lists the log file archival configuration for each platform.

Name	Description
IsEnabled	An integer that indicates whether log files will be archived for a particular platform. Valid values for this response element are:
	• **0:** Indicates that log files will not be archived to CDN storage for the platform indicated by the corresponding MediaTypeId response element.
	• **1:** Indicates that log file archival is allowed for the platform indicated by the corresponding MediaTypeId response element. The main IsEnabled response element (see above) determines whether log files will actually be archived.
MediaTypeId	An integer that identifies the platform whose log file archival status was reported by the IsEnabled response element. Valid values for this response element are:
	• **2:** Flash Media Streaming
	• **3:** HTTP Large
	• **8:** HTTP Small
	• **14:** Application Delivery Network (ADN)

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/logstorage HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 277
{
```

```
        "AN" : "0001",
        "DaysToKeep" : -1,
        "IsEnabled" : 1,
        "MediaTypeStatuses" : [{
                    "IsEnabled" : 1,
                    "MediaTypeId" : 3
            }, {
                    "IsEnabled" : 1,
                    "MediaTypeId" : 8
            }, {
                    "IsEnabled" : 1,
                    "MediaTypeId" : 1
            }, {
                    "IsEnabled" : 0,
                    "MediaTypeId" : 14
            }
        ]
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/logstorage HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 709
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<LogStorageGetResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <AN>0001</AN>
        <DaysToKeep>-1</DaysToKeep>
        <IsEnabled>1</IsEnabled>
```

```
            <MediaTypeStatuses>
             <MediaTypeStatus>
                <IsEnabled>1</IsEnabled>
                <MediaTypeId>3</MediaTypeId>
             </MediaTypeStatus>
             <MediaTypeStatus>
                <IsEnabled>1</IsEnabled>
                <MediaTypeId>8</MediaTypeId>
             </MediaTypeStatus>
             <MediaTypeStatus>
                <IsEnabled>1</IsEnabled>
                <MediaTypeId>1</MediaTypeId>
             </MediaTypeStatus>
             <MediaTypeStatus>
                <IsEnabled>0</IsEnabled>
                <MediaTypeId>14</MediaTypeId>
             </MediaTypeStatus>
            </MediaTypeStatuses>
</LogStorageGetResult>
```

Update Log Format Settings

This operation allows you to define the log format for all HTTP platforms. The settings defined by this operation are:

- Base log file format
- Date/time format
- Custom field
- URL format (i.e., content access point inclusion)

Request

A request to define your log format configuration is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/logformat

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

Optional parameters are described below.

Name	Description
BaseFormat	An integer that determines the base log file format. Valid values for this parameter are: • **1:** Determines that log data will be stored using a default log file format. This format is similar to an extended W3C log file format. • **2:** Determines that log data will be stored using the combined log file format. This format is the default log file format used by Apache web servers.
CustomFieldHeader	A string that determines the name of the custom log field header. The ShowCustomField parameter affects the behavior of this parameter. Possible ShowCustomField values are listed below. • **0:** This parameter will be set to an empty string, regardless of whether a value has been defined for it. • **1:** A value must be specified for this parameter.

DateTimeFormat	An integer that determines the format that will be used to report the date/time field. Valid values for this parameter are:
	
	• **0:** Determines that the date/time field will be reported using Unix time (a.k.a. POSIX time or Unix epoch).
	
	• **1:** Determines that the date/time field will be reported using a custom format. The format that will be used depends on the base log file format. An example of how the date/time field will be formatted is provided for each type of log file format.
	
	    ▪ **Default format:** 2012-12-10 11:00:00
	
	    ▪ **Combined format:** 10/Dec/2012:11:00:00 +0000

Name	Description
RemoveContentAccessPoint	An integer that determines whether the content access point will be included in the URL reported by the cs-uri-stem field. Valid values for this parameter are: • **0:** Determines that the content access point will be included in the URL reported by the cs-uri-stem field. • **1:** Determines that the content access point will be excluded from the URL reported by the cs-uri-stem field.
ShowCustomField	An integer that determines whether a custom log field will be included in the raw log file. The name for this custom log field is defined by the CustomFieldHeader response element. Valid values for this parameter are: • **0:** Determines that the custom log field will be excluded from raw log files and the CustomFieldHeader parameter will be set to blank. • **1:** Determines that the custom log field will be included in raw log files. This type of configuration requires that a value be specified for the CustomFieldHeader parameter.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/logformat HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 142


{
        "BaseFormat" : 1,
        "CustomFieldHeader" : "x-ec_custom-1",
        "DateTimeFormat" : 0,
        "RemoveContentAccessPoint" : 0,
        "ShowCustomField" : 1
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/logformat HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 355
```

```
<LogFormatUpdate xmlns="http://www.whitecdn.com/schemas/apiservices/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <BaseFormat>1</BaseFormat>

        <CustomFieldHeader>x-ec_custom-1</CustomFieldHeader>

        <DateTimeFormat>0</DateTimeFormat>

        <RemoveContentAccessPoint>0</RemoveContentAccessPoint>

        <ShowCustomField>1</ShowCustomField>

</LogFormatUpdate>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT
```

Update Log Storage Settings

This operation allows you to define your log storage configuration for each available platform. The settings defined by this operation are:

- Log storage overall status

- Log storage status by platform

- Log retention period

Note: This operation can only be performed if the logging capability has been activated on the desired platform. Attempting to configure log storage settings on a platform for which it has not been activated will generate a 400 Bad Request. Please contact your CDN account manager to activate logging.

Request

A request to set your log storage configuration is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/logstorage

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

Optional parameters are described below.

Name	Description
DaysToKeep	An integer that determines the length of time that the log file will be kept in CDN storage. Valid values for this parameter are -1, 1, 5, 10, 15, 30, 45, or 60. • **-1:** Determines that log files will be kept in CDN storage until they are manually deleted. • **#:** Determines that log files will be kept in CDN storage for the specified number of days (i.e., 1, 5, 10, 15, 30, 45, or 60). Once a log file has been stored for the specified number of days, it will be deleted.
IsEnabled	Determines whether log storage archival is enabled. Valid values for this parameter are: • **0:** Determines that log files will not be archived to CDN storage. It will also set the DaysToKeep parameter to "0," regardless of the value assigned to it in the request body. • **1:** Determines that log files can be archived to CDN storage. Whether log files will be archived is determined on a per platform basis as defined by the MediaTypeStatus parameter.
MediaTypeStatus	Defines the log file archival configuration for each platform. **Note:** Although the following platform-specific parameters (i.e., IsEnabled and MediaTypeId) are optional, they must be specified as a pair. An error will be returned when one parameter is specified without the other.
IsEnabled	An integer that determines whether log files will be archived for a particular platform. Valid values for this parameter are: • **0:** Log files for the platform indicated in the corresponding MediaTypeId parameter will not be archived. This is the default value for each specified MediaTypeId parameter. • **1:** Log files for the platform indicated in the corresponding MediaTypeId parameter can be archived. The main IsEnabled parameter (see above) determines whether log files will actually be archived.

Name	Description
MediaTypeId	An integer that identifies the platform for which log file archival will be enabled or disabled. Valid values for this parameter are: • **2:** Flash Media Streaming • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/logstorage HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 212


{
```

```
            "DaysToKeep" : -1,
            "IsEnabled" : 1,
            "MediaTypeStatuses" : [{
                        "IsEnabled" : 1,
                        "MediaTypeId" : 3
                }, {
                        "IsEnabled" : 1,
                        "MediaTypeId" : 8
                }, {
                        "IsEnabled" : 1,
                        "MediaTypeId" : 2
                }
        ]
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/logstorage HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 576

<LogStorageUpdate xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <DaysToKeep>-1</DaysToKeep>
        <IsEnabled>1</IsEnabled>
        <MediaTypeStatuses>
          <MediaTypeStatus>
                <IsEnabled>1</IsEnabled>
                <MediaTypeId>3</MediaTypeId>
```

```
        </MediaTypeStatus>
        <MediaTypeStatus>
            <IsEnabled>1</IsEnabled>
            <MediaTypeId>8</MediaTypeId>
        </MediaTypeStatus>
        <MediaTypeStatus>
            <IsEnabled>1</IsEnabled>
            <MediaTypeId>2</MediaTypeId>
        </MediaTypeStatus>
    </MediaTypeStatuses>
</LogStorageUpdate>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Route (DNS)

The operations covered in this section only apply to the Route (DNS) platform. Use these operations to add, update, retrieve, copy, and delete zones.

Add Primary Zone

This operation creates a primary zone. A new zone can contain any of the following items:

- Records

- Load balancing groups

- Failover groups

- Health check configurations

Request

A request to create a zone is described below.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*xxxx*/dns/routezone

Define the following terms when submitting the above request:

- **xxxx:** Replace this term with your CDN account number.

Request Headers

This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

The required request parameters for this operation are described below.

Name	Description
Comment	A string that assigns a comment to the zone.
DomainName	A string that defines a zone's name.
FailoverGroups	Define the zone's failover groups within this request parameter.
Group	Define a specific failover group within this request parameter.

Name	Description
[A|AAAA|CNAME]	The name of this request parameter should be set to the record type (i.e., A, AAAA, or CNAME) that will be associated with the group. **Key information:** • A failover group must contain exactly two records of the same type. • The supported configurations for a failover group are: ▪ A records only ▪ AAAA records only ▪ A and AAAA records ▪ CNAME records only
HealthCheck	Define a record's health check configuration within this request parameter.
CheckInterval	An integer that defines the number of seconds between health checks.
CheckTypeId	An integer that defines the type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that defines the text that will be used to verify the success of the health check.
EmailNotificationAddress	A string that defines the e-mail address to which health check notifications will be sent.
FailedCheckThreshold	An integer that defines the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
HTTPMethodId	An integer that defines an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks. Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
IPAddress	A string that defines the IP address (IPv4 or IPv6) to which TCP health checks will be directed.

Name	Description
IPVersion	An integer that defines an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks.
	Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
PortNumber	An integer that defines the port to which TCP health checks will be directed.
ReintegrationMethodId	An integer that defines the method through which an unhealthy server/domain will be integrated back into a group.
	Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
Uri	A string that defines the URI to which HTTP/HTTPs health checks will be directed.
IsPrimary	A Boolean that defines whether the current record is the primary server/domain to which traffic will be directed.
Record	Define a record's properties within this request parameter.
Name	A string that defines the record's name.
Rdata	A string that defines the record's value.
TTL	An integer that defines the record's TTL.
GroupTypeId	An integer that should be set to "3."
Name	A string that defines the name of the failover group.
LoadBalancingGroups	Define the zone's load balancing groups within this request parameter.
Group	Define a specific load balancing group within this request parameter.

Name	Description
[A|AAAA|CNAME]	The name of this request parameter should be set to the record type (i.e., A, AAAA, or CNAME) that will be associated with the group. **Key information:** • A load balancing group must contain at least two records of the same type. • The supported configurations for a load balancing group are: ▪ A records only ▪ AAAA records only ▪ A and AAAA records ▪ CNAME records only
HealthCheck	Define a record's health check configuration within this request parameter.
CheckInterval	An integer that defines the number of seconds between health checks.
CheckTypeId	An integer that defines the type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that defines the text that will be used to verify the success of the health check.
EmailNotificationAddress	A string that defines the e-mail address to which health check notifications will be sent.
FailedCheckThreshold	An integer that defines the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
HTTPMethodId	An integer that defines an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks. Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
IPAddress	A string that defines the IP address (IPv4 or IPv6) to which TCP health checks will be directed.

Name			Description
	IPVersion		An integer that defines an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks. Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
	PortNumber		An integer that defines the port to which TCP health checks will be directed.
	ReintegrationMethodId		An integer that defines the method through which an unhealthy server/domain will be integrated back into a group. Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
	Uri		A string that defines the URI to which HTTP/HTTPs health checks will be directed.
	Record		Define a record's properties within this request parameter.
		Name	A string that defines the record's name.
		Rdata	A string that defines the record's value.
		TTL	An integer that defines the record's TTL.
		Weight	An integer that defines the load balancing weight assigned to the record.
	GroupTypeId		An integer that should be set to "3."
	Name		A string that defines the name of the load balancing group.
Records			Define the set of records that will be associated with the zone. This section should only describe records that do not belong to a load balancing or failover group.

Name	Description
RecordType	Each type of record is defined in its own section. Create a section for each desired record type. The available record types are: • A • AAAA • CNAME • MX • NS • SPF • SRV • TXT
Name	A string that defines a record's name.
Rdata	A string that defines a record's value.
TTL	An integer that defines a record's TTL.
Status	An integer that defines a zone's status by its system-defined ID. Use the Get Available Zone Statuses operation to retrieve a list of statuses and their IDs.
ZoneType	An integer that indicates that a primary zone will be created. Set this request element to "1."

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation returns the properties of the newly created zone.

Name	Description
Comment	A string that indicates the comment associated with the new zone.
DomainName	A string that indicates the new zone's name.
FailoverGroups	This response element contains the set of failover groups associated with the new zone.
Group	This response element contains a failover group.
[A|AAAA|CNAME]	Each group contains a section for each record type. Records are returned in the following order. • A • AAAA • CNAME This response element contains the following information about a record: • Health check configuration • Properties • Primary status **Note:** If the group does not contain a particular type of record, then that section will remain blank.
HealthCheck	This response element describes the health check configuration associated with a record in the group. **Note:** A null value is returned if a health check configuration has not been defined.
CheckInterval	An integer that indicates the number of seconds between health checks.
CheckTypeId	An integer that identifies a type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that indicates the text that will be used to verify the success of the health check.
EmailNotificationAddress	A string that indicates the e-mail address to which health check notifications will be sent.

Name		Description
	FailedCheckThreshold	An integer that indicates the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
	HTTPMethodId	An integer that identifies an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks.
		Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
	IPAddress	A string that indicates the IP address (IPv4 or IPv6) to which TCP health checks will be directed.
	IPVersion	An integer that identifies an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks.
		Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
	PortNumber	An integer that indicates the port to which TCP health checks will be directed.
	ReintegrationMethodId	An integer that indicates the method through which an unhealthy server/domain will be integrated back into a group.
		Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
	Status	An integer that indicates the server/domain's health check status by its system-defined ID.
	StatusName	A string that indicates the server/domain's health check status.
	Uri	A string that indicates the URI to which HTTP/HTTPs health checks will be directed.
IsPrimary		A Boolean that indicates whether the current record is the primary server/domain to which traffic will be directed.
Record		This response element contains the record's properties.
	Name	A string that indicates the record's name.
	Rdata	A string that indicates the record's value.

Name	Description
TTL	An integer that indicates the record's TTL.
GroupTypeId	An integer that indicates the type of failover group by its system-defined ID. This response element will always report "3" which corresponds to zones.
Name	A string that indicates the name of the failover group.
LoadBalancingGroups	This response element contains the set of load balancing groups associated with the zone.
Group	This request element contains a load balancing group.
[A|AAAA|CNAME]	Each group contains a section for each record type. Records are returned in the following order. • A • AAAA • CNAME This response element contains the following information about a record: • Health check configuration • Properties • Primary status **Note:** If the group does not contain a particular type of record, then that section will remain blank.
HealthCheck	This response element describes the health check configuration associated with a record in the group. **Note:** A null value is returned if a health check configuration has not been defined.
CheckInterval	An integer that indicates the number of seconds between health checks.
CheckTypeId	An integer that indicates the type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that indicates the text that will be used to verify the success of the health check.

Name		Description
	EmailNotificationAddress	A string that identifies the e-mail address to which health check notifications will be sent.
	FailedCheckThreshold	An integer that indicates the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
	HTTPMethodId	An integer that identifies an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks. Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
	IPAddress	A string that indicates the IP address (IPv4 or IPv6) to which TCP health checks will be directed.
	IPVersion	An integer that identifies an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks. Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
	PortNumber	An integer that indicates the port to which TCP health checks will be directed.
	ReintegrationMethodId	An integer that indicates the method through which an unhealthy server/domain will be integrated back into a group. Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
	Status	An integer that indicates the server/domain's health check status by its system-defined ID.
	StatusName	A string that indicates the server/domain's health check status.
	Uri	A string that indicates the URI to which HTTP/HTTPs health checks will be directed.
Record		This response element contains the record's properties.
	Name	A string that indicates the record's name.
	Rdata	A string that indicates the record's value.
	TTL	An integer that indicates the record's TTL.

Name	Description
Weight	An integer that indicates the load balancing weight assigned to the record.
GroupTypeId	An integer that indicates the type of load balancing group by its system-defined ID. This response element will always report "3" which corresponds to zones.
Name	A string that indicates the name of the load balancing group.
Records	This response element describes the records associated with the new zone. This section only describes records that do not belong to a load balancing or failover group. **Note:** A null value is returned when the zone does not contain additional records.
RecordType	Each type of record is listed in its own section. Records are returned in the following order. • A • AAAA • CNAME • MX • NS • SPF • SRV • TXT This response element contains all of a zone's records for a given type.
Name	A string that indicates a record's name.
Rdata	A string that indicates a record's value.
TTL	An integer that indicates a record's TTL.
Status	An integer that indicates the new zone's status by its system-defined ID. Use the Get Available Zone Statuses operation to retrieve a list of statuses and their IDs.

Name	Description
Version	An integer that indicates the new zone's version. This version is incremented whenever a change is applied to the zone.
ZoneId	An integer that identifies the new zone by its system-defined ID.
ZoneType	An integer that indicates that a primary zone has been created. This response element will always be set to "1."

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/dns/routezone HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 1718

{
        "Comment" : "",
        "DomainName" : "myzone.com.",
        "FailoverGroups" : [{
                    "Group" : {
                            "A" : [],
                            "AAAA" : [],
                            "CNAME" : [{
                                        "HealthCheck" : null,
                                        "IsPrimary" : false,
                                        "Record" : {
                                                "Name" : "web",
                                                "Rdata" : "web01.myzone.com.",
                                                "TTL" : 300
                                        }
                                }, {
```

```
                                        "HealthCheck" : null,
                                        "IsPrimary" : true,
                                        "Record" : {
                                                "Name" : "web",
                                                "Rdata" : "web02.myzone.com.",
                                                "TTL" : 300
                                        }
                                }
                        ]
                },
                "GroupTypeId" : 3,
                "Name" : "web"
        }
],
"LoadBalancingGroups" : [{
                "Group" : {
                        "A" : [],
                        "AAAA" : [],
                        "CNAME" : [{
                                        "HealthCheck" : null,
                                        "Record" : {
                                                "Name" : "mycdn",
                                                "Rdata" : "www.myzone.com.",
                                                "TTL" : 300
                                        },
                                        "Weight" : 50
                                }, {
                                        "HealthCheck" : null,
                                        "Record" : {
                                                "Name" : "mycdn",
                                                "Rdata" : "www2.myzone.com.",
                                                "TTL" : 300
                                        },
                                        "Weight" : 50
                                }
                        ]
                },
                "GroupTypeId" : 3,
```

```
                    "Name" : "mycdn"
            }
    ],
    "Records" : {
            "A" : [{
                            "Name" : "www",
                            "Rdata" : "10.55.66.22",
                            "TTL" : 3600
                    }, {
                            "Name" : "www",
                            "Rdata" : "55.66.88.11",
                            "TTL" : 3600
                    }, {
                            "Name" : "www",
                            "Rdata" : "66.77.99.22",
                            "TTL" : 3600
                    }, {
                            "Name" : "www",
                            "Rdata" : "11.66.77.33",
                            "TTL" : 3600
                    }
            ],
            "AAAA" : [{
                            "Name" : "www",
                            "Rdata" : "1:1:1:2:3:4:5:6",
                            "TTL" : 3600
                    }, {
                            "Name" : "www",
                            "Rdata" : "::2",
                            "TTL" : 3600
                    }
            ],
            "CNAME" : [],
            "MX" : [],
            "NS" : [],
            "SPF" : [],
            "SRV" : [],
            "TXT" : []
```

```
        },
        "Status" : 2,
        "ZoneType" : 1
}
```

 A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 1380


{
        "Comment" : "",
        "DomainName" : "myzone.com.",
        "FailoverGroups" : [{
                    "Group" : {
                            "A" : [],
                            "AAAA" : [],
                            "CNAME" : [{
                                        "HealthCheck" : null,
                                        "IsPrimary" : false,
                                        "Record" : {
                                                "Name" : "web",
                                                "Rdata" : "web01.myzone.com.",
                                                "TTL" : 300
                                        }
                            }, {
                                        "HealthCheck" : null,
                                        "IsPrimary" : true,
                                        "Record" : {
                                                "Name" : "web",
                                                "Rdata" : "web02.myzone.com.",
                                                "TTL" : 300
                                        }
                            }
                            ]
                    },
                    "GroupTypeId" : 3,
```

```
                         "Name" : "web"
                }
        ],
        "LoadBalancingGroups" : [{
                "Group" : {
                        "A" : [],
                        "AAAA" : [],
                        "CNAME" : [{
                                        "HealthCheck" : null,
                                        "Record" : {
                                                "Name" : "mycdn",
                                                "Rdata" : "www.myzone.com.",
                                                "TTL" : 300
                                        },
                                        "Weight" : 50
                                }, {
                                        "HealthCheck" : null,
                                        "Record" : {
                                                "Name" : "mycdn",
                                                "Rdata" : "www2.myzone.com.",
                                                "TTL" : 300
                                        },
                                        "Weight" : 50
                                }
                        ]
                },
                "GroupTypeId" : 3,
                "Name" : "mycdn"
        }
        ],
        "Records" : {
                "A" : [{
                        "Name" : "www",
                        "Rdata" : "10.55.66.22",
                        "TTL" : 3600
                }, {
                        "Name" : "www",
                        "Rdata" : "55.66.88.11",
```

```
                             "TTL" : 3600
                    }, {
                             "Name" : "www",
                             "Rdata" : "66.77.99.22",
                             "TTL" : 3600
                    }, {
                             "Name" : "www",
                             "Rdata" : "11.66.77.33",
                             "TTL" : 3600
                    }
            ],
            "AAAA" : [{
                             "Name" : "www",
                             "Rdata" : "1:1:1:2:3:4:5:6",
                             "TTL" : 3600
                    }, {
                             "Name" : "www",
                             "Rdata" : "::2",
                             "TTL" : 3600
                    }
            ],
            "CNAME" : [],
            "MX" : [],
            "NS" : [],
            "SPF" : [],
            "SRV" : [],
            "TXT" : []
    },
    "Status" : 2,
    "Version" : 1234567890,
    "ZoneId" : 1234,
    "ZoneType" : 1
}
```

Copy Primary Zone

This operation creates a copy of a primary zone. The only difference between the original zone and its copy is the name assigned to it.

Request

A request to copy a zone is described below.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*xxxx*/dns/routezone/copy

Define the following terms when submitting the above request:

- **xxxx:** Replace this term with your CDN account number.

Request Headers

This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

The required request parameters for this operation are described below.

Name	Description
FromDomainName	A string that identifies the zone that will be copied by its name.
ToDomainName	A string that defines the name that will be assigned to the new zone.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation returns the properties of the newly created zone.

Name	Description
Comment	A string that indicates the comment associated with the new zone.
DomainName	A string that indicates the new zone's name.
FailoverGroups	This response element contains the set of failover groups associated with the new zone.
Group	This response element contains a failover group.
[A|AAAA|CNAME]	Each group contains a section for each record type. Records are returned in the following order. • A • AAAA • CNAME This response element contains the following information about a record: • Health check configuration • Properties • Primary status **Note:** If the group does not contain a particular type of record, then that section will remain blank.
HealthCheck	This response element describes the health check configuration associated with a record in the group. **Note:** A null value is returned if a health check configuration has not been defined.
CheckInterval	An integer that indicates the number of seconds between health checks.
CheckTypeId	An integer that identifies a type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that indicates the text that will be used to verify the success of the health check.
EmailNotificationAddress	A string that indicates the e-mail address to which health check notifications will be sent.

Name		Description
	FailedCheckThreshold	An integer that indicates the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
	HTTPMethodId	An integer that identifies an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks. Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
	IPAddress	A string that indicates the IP address (IPv4 or IPv6) to which TCP health checks will be directed.
	IPVersion	An integer that identifies an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks. Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
	PortNumber	An integer that indicates the port to which TCP health checks will be directed.
	ReintegrationMethodId	An integer that indicates the method through which an unhealthy server/domain will be integrated back into a group. Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
	Status	An integer that indicates the server/domain's health check status by its system-defined ID.
	StatusName	A string that indicates the server/domain's health check status.
	Uri	A string that indicates the URI to which HTTP/HTTPs health checks will be directed.
IsPrimary		A Boolean that indicates whether the current record is the primary server/domain to which traffic will be directed.
Record		This response element contains the record's properties.
	Name	A string that indicates the record's name.
	Rdata	A string that indicates the record's value.

Name	Description
TTL	An integer that indicates the record's TTL.
GroupTypeId	An integer that indicates the type of failover group by its system-defined ID. This response element will always report "3" which corresponds to zones.
Name	A string that indicates the name of the failover group.
LoadBalancingGroups	This response element contains the set of load balancing groups associated with the zone.
Group	This request element contains a load balancing group.
[A|AAAA|CNAME]	Each group contains a section for each record type. Records are returned in the following order. • A • AAAA • CNAME This response element contains the following information about a record: • Health check configuration • Properties • Primary status **Note:** If the group does not contain a particular type of record, then that section will remain blank.
HealthCheck	This response element describes the health check configuration associated with a record in the group. **Note:** A null value is returned if a health check configuration has not been defined.
CheckInterval	An integer that indicates the number of seconds between health checks.
CheckTypeId	An integer that indicates the type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that indicates the text that will be used to verify the success of the health check.

Name	Description
EmailNotificationAddress	A string that identifies the e-mail address to which health check notifications will be sent.
FailedCheckThreshold	An integer that indicates the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
HTTPMethodId	An integer that identifies an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks. Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
IPAddress	A string that indicates the IP address (IPv4 or IPv6) to which TCP health checks will be directed.
IPVersion	An integer that identifies an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks. Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
PortNumber	An integer that indicates the port to which TCP health checks will be directed.
ReintegrationMethodId	An integer that indicates the method through which an unhealthy server/domain will be integrated back into a group. Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
Status	An integer that indicates the server/domain's health check status by its system-defined ID.
StatusName	A string that indicates the server/domain's health check status.
Uri	A string that indicates the URI to which HTTP/HTTPs health checks will be directed.
Record	This response element contains the record's properties.
Name	A string that indicates the record's name.
Rdata	A string that indicates the record's value.
TTL	An integer that indicates the record's TTL.

Name	Description
Weight	An integer that indicates the load balancing weight assigned to the record.
GroupTypeId	An integer that indicates the type of load balancing group by its system-defined ID. This response element will always report "3" which corresponds to zones.
Name	A string that indicates the name of the load balancing group.
Records	This response element describes the records associated with the new zone. This section only describes records that do not belong to a load balancing or failover group. **Note:** A null value is returned when the zone does not contain additional records.
RecordType	Each type of record is listed in its own section. Records are returned in the following order. • A • AAAA • CNAME • MX • NS • SPF • SRV • TXT This response element contains all of a zone's records for a given type.
Name	A string that indicates a record's name.
Rdata	A string that indicates a record's value.
TTL	An integer that indicates a record's TTL.
Status	An integer that indicates the new zone's status by its system-defined ID. Use the Get Available Zone Statuses operation to retrieve a list of statuses and their IDs.

Name	Description
Version	An integer that indicates the new zone's version. This version is incremented whenever a change is applied to the zone.
ZoneId	An integer that identifies the new zone by its system-defined ID.
ZoneType	An integer that indicates that a primary zone has been created. This response element will always be set to "1."

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/dns/routezone/copy HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 72


{
      "FromDomainName":"myzone.com",
      "ToDomainName":"copyofmyzone.com"
}
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 1380


{
      "Comment" : "",
      "DomainName" : "copyofmyzone.com.",
      "FailoverGroups" : [{
```

```
                        "Group" : {
                                "A" : [],
                                "AAAA" : [],
                                "CNAME" : [{
                                                "HealthCheck" : null,
                                                "IsPrimary" : false,
                                                "Record" : {
                                                        "Name" : "web",
                                                        "Rdata" : "web01.myzone.com.",
                                                        "TTL" : 300
                                                }
                                }, {
                                                "HealthCheck" : null,
                                                "IsPrimary" : true,
                                                "Record" : {
                                                        "Name" : "web",
                                                        "Rdata" : "web02.myzone.com.",
                                                        "TTL" : 300
                                                }
                                }
                                ]
                        },
                        "GroupTypeId" : 3,
                        "Name" : "web"
                }
        ],
        "LoadBalancingGroups" : [{
                        "Group" : {
                                "A" : [],
                                "AAAA" : [],
                                "CNAME" : [{
                                                "HealthCheck" : null,
                                                "Record" : {
                                                        "Name" : "mycdn",
                                                        "Rdata" : "www.myzone.com.",
                                                        "TTL" : 300
                                                },
                                                "Weight" : 50
```

```
                        }, {
                                "HealthCheck" : null,
                                "Record" : {
                                        "Name" : "mycdn",
                                        "Rdata" : "www2.myzone.com.",
                                        "TTL" : 300
                                },
                                "Weight" : 50
                        }
                ]
        },
        "GroupTypeId" : 3,
        "Name" : "mycdn"
    }
],
"Records" : {
        "A" : [{
                        "Name" : "www",
                        "Rdata" : "10.55.66.22",
                        "TTL" : 3600
                }, {
                        "Name" : "www",
                        "Rdata" : "55.66.88.11",
                        "TTL" : 3600
                }, {
                        "Name" : "www",
                        "Rdata" : "66.77.99.22",
                        "TTL" : 3600
                }, {
                        "Name" : "www",
                        "Rdata" : "11.66.77.33",
                        "TTL" : 3600
                }
        ],
        "AAAA" : [{
                        "Name" : "www",
                        "Rdata" : "1:1:1:2:3:4:5:6",
                        "TTL" : 3600
```

```
                    }, {
                            "Name" : "www",
                            "Rdata" : "::2",
                            "TTL" : 3600
                    }
            ],
            "CNAME" : [],
            "MX" : [],
            "NS" : [],
            "SPF" : [],
            "SRV" : [],
            "TXT" : []
    },
    "Status" : 2,
    "Version" : 1234567890,
    "ZoneId" : 1234,
    "ZoneType" : 1
}
```

Delete Primary Zone

This operation deletes a primary zone.

Warning: The deletion of a primary zone takes place immediately and cannot be undone.

Note: This operation may not be used to delete a secondary zone.

Request

A request to delete a primary zone is described below.

HTTP Method	Request URI
DELETE	https://api.edgecast.com/v2/mcc/customers/*xxxx*/dns/routezone/*ZoneID*

Define the following terms when submitting the above request:

- **xxxx:** Replace this term with your CDN account number.

- **ZoneID:** Replace this term with the system-defined ID of the desired zone. Use the Get All Zones operation to retrieve a list of zones and their system-defined IDs.

Request Headers
This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
DELETE https://api.edgecast.com/v2/mcc/customers/0001/dns/routezone/1234 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Host: api.edgecast.com
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Date: Mon, 30 May 2011 12:00:00 GMT
```

Get All Zones

This operation returns a list of primary and secondary zones. This list may be filtered by:

- Status

- Zone Type

Request

A request to retrieve zones is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/dns/routezones?status=*StatusID*&zonetype=*ZoneTypeID*

Define the following terms when submitting the above request:

- **xxxx:** Replace this term with your CDN account number.

- **StatusID:** Replace this term with the ID for the desired zone status. The response will be filtered by the specified status. If the response should not be filtered by status, then the status query string parameter should not be included in the request URI.

- **ZoneTypeID:** Replace this term with the ID for the desired zone type. The response will be filtered by the specified zone type. If the response should not be filtered by zone type, then the zonetype query string parameter should not be included in the request URI.

Request Headers

This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation contains the following response elements for each zone returned by this operation:

Name	Description
DomainName	A string that identifies a zone by its name.
Status	An integer that indicates a zone's status by its system-defined ID. Use the Get Available Zone Statuses operation to retrieve a list of zone statuses.
Version	An integer that indicates a zone's version. This version number is incremented whenever a change is applied to a zone.
ZoneId	An integer that identifies a zone by its system-defined ID.
ZoneType	An integer that indicates the type of zone being described. Use the Get Available Zone Types operation to retrieve a list of zone types.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/dns/routezones HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

 A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 248
```

```
[{
            "DomainName" : "myzone.com.",
            "Status" : 2,
            "Version" : 1390352161,
            "ZoneId" : 1234,
            "ZoneType" : 1
    }, {
            "DomainName" : "mydomain.com.",
            "Status" : 2,
            "Version" : 1390352161,
            "ZoneId" : 1235,
            "ZoneType" : 1
    }
]
```

Get Available Health Check Reintegration Methods

This operation returns a list of methods through which a server/domain can be reintegrated into a load balancing or failover group.

Request

A request to retrieve reintegration methods is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/dns/routereintegrationmethodtypes

Request Headers

This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation contains the following response elements for each reintegration method returned by this operation:

Name	Description
Id	An integer that indicates the system-defined ID assigned to the reintegration method.
Name	A string that indicates the name of a reintegration method.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/dns/routereintegrationmethodtypes HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

 A sample JSON response is shown below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 87

[{

        "Id" : 1,

        "Name" : "Automatic"

    }, {

        "Id" : 2,

        "Name" : "Manual"

    }

]
```

Get Available Health Check Types

This operation returns a list of the supported methods that may be used to probe a server/domain's health status.

Request

A request to retrieve supported health check types is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/dns/routehealthchecktypes

Request Headers

This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation contains the following response elements for each health check type returned by this operation:

Name	Description
Id	An integer that indicates the system-defined ID assigned to the health check type.
Name	A string that indicates the name of the health check type supported by our DNS Health Checks module.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/dns/routehealthchecktypes HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 166

[{

          "Id" : 1,

          "Name" : "HTTP"

     }, {

          "Id" : 2,

          "Name" : "HTTPs"

     }, {

          "Id" : 3,

          "Name" : "TCP Open"

     }, {

          "Id" : 4,

          "Name" : "TCP SSL"

     }
]
```

Get Available HTTP Methods (Health Checks)

This operation returns a list of the HTTP methods supported by the DNS Health Checks module.

Request

A request to retrieve a list of HTTP methods is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/dns/routehttpmethodtypes

Request Headers

This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation contains the following response elements for each HTTP method returned by this operation:

Name	Description
Id	An integer that indicates the system-defined ID assigned to an HTTP method.
Name	A string that indicates the name of a supported HTTP method.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/dns/routehttpmethodtypes HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 79

[{
        "Id" : 1,
        "Name" : "GET"
    }, {
        "Id" : 2,
        "Name" : "POST"

    }
]
```

Get Available IP Versions (Health Checks)

This operation returns the available set of IP versions supported by our DNS Health Checks module.

Request

A request to find out the supported set of IP versions is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/dns/routehealthcheckipversion

Request Headers

This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation contains the following response elements for each IP version returned by this operation:

Name	Description
Id	An integer that indicates the system-defined ID assigned to the IP version.
Name	A string that indicates the name of the IP version supported by our DNS Health Checks module.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/dns/routehealthcheckipversion HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 80
```

```
[{
            "Id" : 1,
            "Name" : "IPv4"
    }, {
            "Id" : 2,
            "Name" : "IPv6"
    }
]
```

Get Available Load Balancing and Failover Group Types

This operation returns a list of the available types of load balancing and failover groups.

Request

A request to the available set of group types is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/dns/routegrouptypes

Request Headers
This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
A status code indicates whether the operation was successfully performed.

Response Headers
This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation contains the following response elements for each group type returned by this operation:

Name	Description
Id	An integer that indicates the system-defined ID assigned to the group type.
Name	A string that indicates the load balancing/failover group type.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/dns/routegrouptypes HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 125

[{

        "Id" : 1,

        "Name" : "CNAME"

    }, {

        "Id" : 2,

        "Name" : "Subdomain"

    }, {

        "Id" : 3,

        "Name" : "Zone"

    }
]
```

Get Available Record Types

This operation returns a list of the available types of records and their system-defined IDs.

Request

A request to retrieve record types is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/dns/routezonerecordtypes

Request Headers

This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation contains the following response elements for each record type returned by this operation:

Name	Description
Id	An integer that indicates the system-defined ID assigned to the record type.
Name	A string that indicates the name of the record type.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/dns/routezonerecordtypes HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

 A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 306

[{
        "Id" : 1,
        "Name" : "A"
    }, {
        "Id" : 2,
        "Name" : "AAAA"
    }, {
        "Id" : 3,
        "Name" : "CNAME"
    }, {
        "Id" : 4,
        "Name" : "MX"
    }, {
        "Id" : 5,
        "Name" : "NS"
    }, {
        "Id" : 8,
        "Name" : "SPF"
    }, {
        "Id" : 9,
        "Name" : "SRV"
    }, {
        "Id" : 10,
        "Name" : "TXT"
    }
]
```

Get Available Zone Statuses

This operation returns a list of possible zone statuses.

Request

A request to retrieve a list of zone statuses is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/dns/routezonestatus

Request Headers

This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation contains the following response elements for each zone status returned by this operation:

Name	Description
Id	An integer that indicates the system-defined ID assigned to a zone status.
Name	A string that indicates the name of a zone status.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/dns/routezonestatus HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

 A sample JSON response is shown below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 86

[{

            "Id" : 1,

            "Name" : "Active"

     }, {

            "Id" : 2,

            "Name" : "Inactive"

     }

]
```

Get Available Zone Types

This operation returns a list of the available types of zones.

Request

A request to retrieve zone types is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/dns/routezonetypes

Request Headers
This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation contains the following response elements for each zone type returned by this operation:

Name	Description
Id	An integer that indicates the system-defined ID assigned to the zone type.
Name	A string that indicates the name of the zone type.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/dns/routezonetypes HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

 A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 88
```

```
[{
            "Id" : 1,
            "Name" : "Primary"
    }, {
            "Id" : 2,
            "Name" : "Secondary"
    }
]
```

Get Zone

This operation retrieves a zone's properties and describes all of its records.

Request

A request to retrieve a zone is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/dns/routezone ?id=*ZoneID*&name=*ZoneName*&timestamp=*DateTime*

Define the following terms when submitting the above request:

- **xxxx:** Replace this term with your CDN account number.

- **ZoneID:** Replace this term with the ID of the desired zone.

- **ZoneName:** Replace this term with the name of the desired zone.

- **DateTime:** Optional. Retrieve the version of a zone at a given point in time. Replace this term with the desired date/time. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

Note: Either the id or the name query string parameter must be specified.

Note: Time (i.e., T*hh*:*mm*:*ss*) is optional. If time is not specified, then a default time (i.e., 00:00:00) will be used.

Request Headers
This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation contains the following response elements for the zone returned by this operation:

Name	Description
Comment	A string that indicates the comment associated with a zone.
DomainName	A string that indicates a zone's name.
FailoverGroups	This response element contains the set of failover groups associated with a zone.
Group	This response element contains a failover group.
[A|AAAA|CNAME]	Each group contains a section for each record type. Records are returned in the following order. • A • AAAA • CNAME This response element contains the following information about a record: • Health check configuration • Properties • Primary status **Note:** If the group does not contain a particular type of record, then that section will remain blank.
HealthCheck	This response element describes the health check configuration associated with a record in the group. **Note:** A null value is returned if a health check configuration has not been defined.

Name	Description
CheckInterval	An integer that indicates the number of seconds between health checks.
CheckTypeId	An integer that identifies a type of health check by its system-defined ID.
	Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that indicates the text that will be used to verify the success of the health check.
EmailNotificationAddress	A string that indicates the e-mail address to which health check notifications will be sent.
FailedCheckThreshold	An integer that indicates the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
HTTPMethodId	An integer that identifies an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks.
	Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
IPAddress	A string that indicates the IP address (IPv4 or IPv6) to which TCP health checks will be directed.
IPVersion	An integer that identifies an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks.
	Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
PortNumber	An integer that indicates the port to which TCP health checks will be directed.
ReintegrationMethodId	An integer that indicates the method through which an unhealthy server/domain will be integrated back into a group.
	Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
Status	An integer that indicates the server/domain's health check status by its system-defined ID.
StatusName	A string that indicates the server/domain's health check status.

Name	Description
Uri	A string that indicates the URI to which HTTP/HTTPs health checks will be directed.
IsPrimary	A Boolean that indicates whether the current record is the primary server/domain to which traffic will be directed.
Record	This response element contains the record's properties.
Name	A string that indicates the record's name.
Rdata	A string that indicates the record's value.
TTL	An integer that indicates the record's TTL.
GroupTypeId	An integer that indicates the type of failover group by its system-defined ID. This response element will always report "3" which corresponds to zones.
Name	A string that indicates the name of the failover group.
LoadBalancingGroups	This response element contains the set of load balancing groups associated with the zone.
Group	This request element contains a load balancing group.
[A|AAAA|CNAME]	Each group contains a section for each record type. Records are returned in the following order. • A • AAAA • CNAME This response element contains the following information about a record: • Health check configuration • Properties • Primary status **Note:** If the group does not contain a particular type of record, then that section will remain blank.
HealthCheck	This response element describes the health check configuration associated with a record in the group. **Note:** A null value is returned if a health check configuration has not been defined.

Name	Description
CheckInterval	An integer that indicates the number of seconds between health checks.
CheckTypeId	An integer that indicates the type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that indicates the text that will be used to verify the success of the health check.
EmailNotificationAddress	A string that identifies the e-mail address to which health check notifications will be sent.
FailedCheckThreshold	An integer that indicates the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
HTTPMethodId	An integer that identifies an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks. Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
IPAddress	A string that indicates the IP address (IPv4 or IPv6) to which TCP health checks will be directed.
IPVersion	An integer that identifies an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks. Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
PortNumber	An integer that indicates the port to which TCP health checks will be directed.
ReintegrationMethodId	An integer that indicates the method through which an unhealthy server/domain will be integrated back into a group. Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
Status	An integer that indicates the server/domain's health check status by its system-defined ID.
StatusName	A string that indicates the server/domain's health check status.

Name	Description
Uri	A string that indicates the URI to which HTTP/HTTPs health checks will be directed.
Record	This response element contains the record's properties.
Name	A string that indicates the record's name.
Rdata	A string that indicates the record's value.
TTL	An integer that indicates the record's TTL.
Weight	An integer that indicates the load balancing weight assigned to the record.
GroupTypeId	An integer that indicates the type of load balancing group by its system-defined ID. This response element will always report "3" which corresponds to zones.
Name	A string that indicates the name of the load balancing group.
Records	This response element describes the records associated with a zone. This section only describes records that do not belong to a load balancing or failover group. **Note:** A null value is returned when the zone does not contain additional records.
RecordType	Each type of record is listed in its own section. Records are returned in the following order. • A • AAAA • CNAME • MX • NS • SPF • SRV • TXT This response element contains all of a zone's records for a given type.
Name	A string that indicates a record's name.
Rdata	A string that indicates a record's value.

Name	Description
TTL	An integer that indicates a record's TTL.
Status	An integer that indicates a zone's status by its system-defined ID. Use the Get Available Zone Statuses operation to retrieve a list of statuses and their IDs.
Version	An integer that indicates a zone's version. This version is incremented whenever a change is applied to the zone.
ZoneId	An integer that identifies a zone by its system-defined ID.
ZoneType	An integer that indicates a zone's type by its system-defined ID. Use the Get Available Zone Types operation to retrieve a list of zone types and their IDs.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/dns/routezone?id=1234 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

 A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 1668

{
      "Comment" : "",
      "DomainName" : "myzone.com.",
      "FailoverGroups" : [{
                  "Group" : {
```

```
                        "A" : [],
                        "AAAA" : [],
                        "CNAME" : [{
                                    "HealthCheck" : null,
                                    "IsPrimary" : false,
                                    "Record" : {
                                            "Name" : "web",
                                            "Rdata" : "web01.myzone.com.",
                                            "TTL" : 300
                                    }
                        }, {
                                    "HealthCheck" : null,
                                    "IsPrimary" : true,
                                    "Record" : {
                                            "Name" : "web",
                                            "Rdata" : "web02.myzone.com.",
                                            "TTL" : 300
                                    }
                        }
                        ]
                },
                "GroupTypeId" : 3,
                "Name" : "web"
        }
    ],
    "LoadBalancingGroups" : [{
                "Group" : {
                        "A" : [],
                        "AAAA" : [],
                        "CNAME" : [{
                                    "HealthCheck" : null,
                                    "Record" : {
                                            "Name" : "mycdn",
                                            "Rdata" : "www.myzone.com.",
                                            "TTL" : 300
                                    },
                                    "Weight" : 50
                        }, {
```

```
                                  "HealthCheck" : null,
                                  "Record" : {
                                          "Name" : "mycdn",
                                          "Rdata" : "www2.myzone.com.",
                                          "TTL" : 300
                                  },
                                  "Weight" : 50
                          }
                  ]
          },
          "GroupTypeId" : 3,
          "Name" : "mycdn"
      }
  ],
  "Records" : {
      "A" : [{
                  "Name" : "www",
                  "Rdata" : "10.55.66.22",
                  "TTL" : 3600
          }, {
                  "Name" : "www",
                  "Rdata" : "55.66.88.11",
                  "TTL" : 3600
          }, {
                  "Name" : "www",
                  "Rdata" : "66.77.99.22",
                  "TTL" : 3600
          }, {
                  "Name" : "www",
                  "Rdata" : "11.66.77.33",
                  "TTL" : 3600
          }
      ],
      "AAAA" : [{
                  "Name" : "www",
                  "Rdata" : "1:1:1:2:3:4:5:6",
                  "TTL" : 3600
          }, {
```

```
                          "Name" : "www",
                          "Rdata" : "::2",
                          "TTL" : 3600
                    }
             ],
             "CNAME" : [],
             "MX" : [],
             "NS" : [],
             "SPF" : [],
             "SRV" : [],
             "TXT" : []
      },
      "Status" : 2,
      "Version" : 1234567890,
      "ZoneId" : 1234,
      "ZoneType" : 1
}
```

Update Primary Zone

This operation updates an entire primary zone by overwriting the previous version with the submitted zone data. All missing zone properties, records, groups, and health checks are treated as deletions.

The recommended method to update a zone is described below.

1. Use the Get Zone operation to retrieve the entire zone.

2. The response of the above operation should be modified as needed. For example, insert or remove the desired records or load balancing/failover configurations.

3. Set the request body of this operation to the zone data updated in step 2.

Request

A request to update a zone is described below.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*xxxx*/dns/routezone

Define the following terms when submitting the above request:

- **xxxx:** Replace this term with your CDN account number.

Request Headers

This operation only takes advantage of common request headers.

Note: This operation only supports JSON.

Request Body

The required request parameters for this operation are described below.

Name	Description
Comment	A string that assigns a comment to the zone.
DomainName	A string that should be set to the current name assigned to the zone. **Note:** The name assigned to a zone cannot be modified.
FailoverGroups	Define the zone's failover groups within this request parameter.
Group	Define a specific failover group within this request parameter.

[A|AAAA|CNAME]	The name of this request parameter should be set to the record type (i.e., A, AAAA, or CNAME) that will be associated with the group.
	
	Key information:
	
	• A failover group must contain exactly two records of the same type.
	
	• The supported configurations for a failover group are:
	
	   ▪ A records only
	
	   ▪ AAAA records only
	
	   ▪ A and AAAA records
	
	   ▪ CNAME records only

HealthCheck	Define a record's health check configuration within this request parameter.
CheckInterval	An integer that defines the number of seconds between health checks.
CheckTypeId	An integer that defines the type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.

Name	Description
ContentVerification	A string that defines the text that will be used to verify the success of the health check.
EmailNotificationAddress	A string that defines the e-mail address to which health check notifications will be sent.
FailedCheckThreshold	An integer that defines the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
HTTPMethodId	An integer that defines an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks. Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
IPAddress	A string that defines the IP address (IPv4 or IPv6) to which TCP health checks will be directed.
IPVersion	An integer that defines an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks. Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
PortNumber	An integer that defines the port to which TCP health checks will be directed.
ReintegrationMethodId	An integer that defines the method through which an unhealthy server/domain will be integrated back into a group. Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
Uri	A string that defines the URI to which HTTP/HTTPs health checks will be directed.
IsPrimary	A Boolean that defines whether the current record is the primary server/domain to which traffic will be directed.
Record	Define a record's properties within this request parameter.
Name	A string that defines the record's name.
Rdata	A string that defines the record's value.

Name	Description
TTL	An integer that defines the record's TTL.
GroupTypeId	An integer that should be set to "3."
Name	A string that defines the name of the failover group.
LoadBalancingGroups	Define the zone's load balancing groups within this request parameter.
Group	Define a specific load balancing group within this request parameter.
[A|AAAA|CNAME]	The name of this request parameter should be set to the record type (i.e., A, AAAA, or CNAME) that will be associated with the group. **Key information:** • A load balancing group must contain at least two records of the same type. • The supported configurations for a load balancing group are: ▪ A records only ▪ AAAA records only ▪ A and AAAA records ▪ CNAME records only
HealthCheck	Define a record's health check configuration within this request parameter.
CheckInterval	An integer that defines the number of seconds between health checks.
CheckTypeId	An integer that defines the type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that defines the text that will be used to verify the success of the health check.
EmailNotificationAddress	A string that defines the e-mail address to which health check notifications will be sent.
FailedCheckThreshold	An integer that defines the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.

Name			Description
	HTTPMethodId		An integer that defines an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks.
			Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
	IPAddress		A string that defines the IP address (IPv4 or IPv6) to which TCP health checks will be directed.
	IPVersion		An integer that defines an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks.
			Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
	PortNumber		An integer that defines the port to which TCP health checks will be directed.
	ReintegrationMethodId		An integer that defines the method through which an unhealthy server/domain will be integrated back into a group.
			Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
	Uri		A string that defines the URI to which HTTP/HTTPs health checks will be directed.
	Record		Define a record's properties within this request parameter.
		Name	A string that defines the record's name.
		Rdata	A string that defines the record's value.
		TTL	An integer that defines the record's TTL.
		Weight	An integer that defines the load balancing weight assigned to the record.
	GroupTypeId		An integer that should be set to "3."
	Name		A string that defines the name of the load balancing group.
Records			Define the set of records that will be associated with the zone. This section should only describe records that do not belong to a load balancing or failover group.

Name	Description
RecordType	Each type of record is defined in its own section. Create a section for each desired record type. The available record types are: • A • AAAA • CNAME • MX • NS • SPF • SRV • TXT
Name	A string that defines a record's name.
Rdata	A string that defines a record's value.
TTL	An integer that defines a record's TTL.
Status	An integer that defines a zone's status by its system-defined ID. Use the Get Available Zone Statuses operation to retrieve a list of statuses and their IDs.
Version	An integer that indicates the current version of the zone being updated. **Note:** The specified version number must match the one registered on our system. This prevents a newer version of the zone being overwritten by an older version.
ZoneId	An integer that identifies the zone that will be updated by its system-defined ID.
ZoneType	An integer that indicates that a primary zone will be created. Set this request element to "1."

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

A status code indicates whether the operation was successfully performed.

Response Headers

This operation only returns standard HTTP response headers. View common response headers.

Response Body

The response body for a successful operation returns the properties of the updated zone.

Name	Description
Comment	A string that indicates the comment associated with the updated zone.
DomainName	A string that indicates the updated zone's name.
FailoverGroups	This response element contains the set of failover groups associated with the updated zone.
Group	This response element contains a failover group.
[A|AAAA|CNAME]	Each group contains a section for each record type. Records are returned in the following order. • A • AAAA • CNAME This response element contains the following information about a record: • Health check configuration • Properties • Primary status **Note:** If the group does not contain a particular type of record, then that section will remain blank.
HealthCheck	This response element describes the health check configuration associated with a record in the group. **Note:** A null value is returned if a health check configuration has not been defined.
CheckInterval	An integer that indicates the number of seconds between health checks.
CheckTypeId	An integer that identifies a type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that indicates the text that will be used to verify the success of the health check.

Name	Description
EmailNotificationAddress	A string that indicates the e-mail address to which health check notifications will be sent.
FailedCheckThreshold	An integer that indicates the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
HTTPMethodId	An integer that identifies an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks. Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
IPAddress	A string that indicates the IP address (IPv4 or IPv6) to which TCP health checks will be directed.
IPVersion	An integer that identifies an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks. Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
PortNumber	An integer that indicates the port to which TCP health checks will be directed.
ReintegrationMethodId	An integer that indicates the method through which an unhealthy server/domain will be integrated back into a group. Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
Status	An integer that indicates the server/domain's health check status by its system-defined ID.
StatusName	A string that indicates the server/domain's health check status.
Uri	A string that indicates the URI to which HTTP/HTTPs health checks will be directed.
IsPrimary	A Boolean that indicates whether the current record is the primary server/domain to which traffic will be directed.
Record	This response element contains the record's properties.
Name	A string that indicates the record's name.

Name	Description
Rdata	A string that indicates the record's value.
TTL	An integer that indicates the record's TTL.
GroupTypeId	An integer that indicates the type of failover group by its system-defined ID. This response element will always report "3" which corresponds to zones.
Name	A string that indicates the name of the failover group.
LoadBalancingGroups	This response element contains the set of load balancing groups associated with the zone.
Group	This request element contains a load balancing group.
[A|AAAA|CNAME]	Each group contains a section for each record type. Records are returned in the following order. • A • AAAA • CNAME This response element contains the following information about a record: • Health check configuration • Properties • Primary status **Note:** If the group does not contain a particular type of record, then that section will remain blank.
HealthCheck	This response element describes the health check configuration associated with a record in the group. **Note:** A null value is returned if a health check configuration has not been defined.
CheckInterval	An integer that indicates the number of seconds between health checks.
CheckTypeId	An integer that indicates the type of health check by its system-defined ID. Use the Get Available Health Check Types operation to retrieve a list of health check types and their IDs.
ContentVerification	A string that indicates the text that will be used to verify the success of the health check.

Name		Description
	EmailNotificationAddress	A string that identifies the e-mail address to which health check notifications will be sent.
	FailedCheckThreshold	An integer that indicates the number of consecutive times that the same result must be returned before a health check agent will indicate a change in status.
	HTTPMethodId	An integer that identifies an HTTP method by its system-defined ID. An HTTP method is only used by HTTP/HTTPs health checks. Use the Get Available HTTP Methods (Health Checks) operation to retrieve a list of HTTP methods and their IDs.
	IPAddress	A string that indicates the IP address (IPv4 or IPv6) to which TCP health checks will be directed.
	IPVersion	An integer that identifies an IP version by its system-defined ID. This IP version is only used by HTTP/HTTPs health checks. Use the Get Available IP Versions (Health Checks) operation to retrieve a list of IP versions and their IDs.
	PortNumber	An integer that indicates the port to which TCP health checks will be directed.
	ReintegrationMethodId	An integer that indicates the method through which an unhealthy server/domain will be integrated back into a group. Use the Get Available Health Check Reintegration Methods operation to retrieve a list of reintegration methods and their IDs.
	Status	An integer that indicates the server/domain's health check status by its system-defined ID.
	StatusName	A string that indicates the server/domain's health check status.
	Uri	A string that indicates the URI to which HTTP/HTTPs health checks will be directed.
Record		This response element contains the record's properties.
	Name	A string that indicates the record's name.
	Rdata	A string that indicates the record's value.
	TTL	An integer that indicates the record's TTL.

Name	Description
Weight	An integer that indicates the load balancing weight assigned to the record.
GroupTypeId	An integer that indicates the type of load balancing group by its system-defined ID. This response element will always report "3" which corresponds to zones.
Name	A string that indicates the name of the load balancing group.
Records	This response element describes the records associated with the updated zone. This section only describes records that do not belong to a load balancing or failover group. **Note:** A null value is returned when the zone does not contain additional records.
RecordType	Each type of record is listed in its own section. Records are returned in the following order. • A • AAAA • CNAME • MX • NS • SPF • SRV • TXT This response element contains all of a zone's records for a given type.
Name	A string that indicates a record's name.
Rdata	A string that indicates a record's value.
TTL	An integer that indicates a record's TTL.
Status	An integer that indicates the updated zone's status by its system-defined ID. Use the Get Available Zone Statuses operation to retrieve a list of statuses and their IDs.

Name	Description
Version	An integer that indicates the updated zone's version. This version is incremented whenever a change is applied to the zone.
ZoneId	An integer that identifies the updated zone by its system-defined ID.
ZoneType	An integer that indicates that a primary zone has been updated. This response element will always be set to "1."

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. View common error messages.

Sample Request and Response (JSON)

A sample JSON request is shown below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/dns/routezone HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 1718

{
        "Comment" : "",
        "DomainName" : "myzone.com.",
        "FailoverGroups" : [{
                    "Group" : {
                            "A" : [],
                            "AAAA" : [],
                            "CNAME" : [{
                                        "HealthCheck" : null,
                                        "IsPrimary" : false,
                                        "Record" : {
                                                "Name" : "web",
                                                "Rdata" : "web01.myzone.com.",
                                                "TTL" : 300
                                        }
                                }, {
```

```
                                      "HealthCheck" : null,
                                      "IsPrimary" : true,
                                      "Record" : {
                                              "Name" : "web",
                                              "Rdata" : "web02.myzone.com.",
                                              "TTL" : 300
                                      }
                              }
                      ]
              },
              "GroupTypeId" : 3,
              "Name" : "web"
      }
 ],
 "LoadBalancingGroups" : [{
              "Group" : {
                      "A" : [],
                      "AAAA" : [],
                      "CNAME" : [{
                                      "HealthCheck" : null,
                                      "Record" : {
                                              "Name" : "mycdn",
                                              "Rdata" : "www.myzone.com.",
                                              "TTL" : 300
                                      },
                                      "Weight" : 50
                              }, {
                                      "HealthCheck" : null,
                                      "Record" : {
                                              "Name" : "mycdn",
                                              "Rdata" : "www2.myzone.com.",
                                              "TTL" : 300
                                      },
                                      "Weight" : 50
                              }
                      ]
              },
              "GroupTypeId" : 3,
```

```
                        "Name" : "mycdn"
                }
        ],
        "Records" : {
                "A" : [{
                                "Name" : "www",
                                "Rdata" : "10.55.66.22",
                                "TTL" : 3600
                        }, {
                                "Name" : "www",
                                "Rdata" : "55.66.88.11",
                                "TTL" : 3600
                        }, {
                                "Name" : "www",
                                "Rdata" : "66.77.99.22",
                                "TTL" : 3600
                        }, {
                                "Name" : "www",
                                "Rdata" : "11.66.77.33",
                                "TTL" : 3600
                        }
                ],
                "AAAA" : [{
                                "Name" : "www",
                                "Rdata" : "1:1:1:2:3:4:5:6",
                                "TTL" : 3600
                        }, {
                                "Name" : "www",
                                "Rdata" : "::2",
                                "TTL" : 3600
                        }
                ],
                "CNAME" : [],
                "MX" : [],
                "NS" : [],
                "SPF" : [],
                "SRV" : [],
                "TXT" : []
```

```
        },
        "Status" : 2,
        "Version" : 1234567890,
        "ZoneId" : 1234,
        "ZoneType" : 1
}
```

 A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 1380


{
        "Comment" : "",
        "DomainName" : "myzone.com.",
        "FailoverGroups" : [{
                        "Group" : {
                                "A" : [],
                                "AAAA" : [],
                                "CNAME" : [{
                                                "HealthCheck" : null,
                                                "IsPrimary" : false,
                                                "Record" : {
                                                        "Name" : "web",
                                                        "Rdata" : "web01.myzone.com.",
                                                        "TTL" : 300
                                                }
                                        }, {
                                                "HealthCheck" : null,
                                                "IsPrimary" : true,
                                                "Record" : {
                                                        "Name" : "web",
                                                        "Rdata" : "web02.myzone.com.",
                                                        "TTL" : 300
                                                }
                                        }
                                ]
```

```
                    },
                    "GroupTypeId" : 3,
                    "Name" : "web"
            }
    ],
    "LoadBalancingGroups" : [{
                    "Group" : {
                            "A" : [],
                            "AAAA" : [],
                            "CNAME" : [{
                                            "HealthCheck" : null,
                                            "Record" : {
                                                    "Name" : "mycdn",
                                                    "Rdata" : "www.myzone.com.",
                                                    "TTL" : 300
                                            },
                                            "Weight" : 50
                                    }, {
                                            "HealthCheck" : null,
                                            "Record" : {
                                                    "Name" : "mycdn",
                                                    "Rdata" : "www2.myzone.com.",
                                                    "TTL" : 300
                                            },
                                            "Weight" : 50
                                    }
                            ]
                    },
                    "GroupTypeId" : 3,
                    "Name" : "mycdn"
            }
    ],
    "Records" : {
            "A" : [{
                    "Name" : "www",
                    "Rdata" : "10.55.66.22",
                    "TTL" : 3600
            }, {
```

```
                                "Name" : "www",
                                "Rdata" : "55.66.88.11",
                                "TTL" : 3600
                }, {
                                "Name" : "www",
                                "Rdata" : "66.77.99.22",
                                "TTL" : 3600
                }, {
                                "Name" : "www",
                                "Rdata" : "11.66.77.33",
                                "TTL" : 3600
                }
        ],
        "AAAA" : [{
                                "Name" : "www",
                                "Rdata" : "1:1:1:2:3:4:5:6",
                                "TTL" : 3600
                }, {
                                "Name" : "www",
                                "Rdata" : "::2",
                                "TTL" : 3600
                }
        ],
        "CNAME" : [],
        "MX" : [],
        "NS" : [],
        "SPF" : [],
        "SRV" : [],
        "TXT" : []
    },
    "Status" : 2,
    "Version" : 1234567890,
    "ZoneId" : 1234,
    "ZoneType" : 1
}
```

Smooth Streaming

This section covers how you can add, delete, retrieve, update, and shut down Smooth Streaming – Live Streaming publishing points.

Add Publishing Point (Smooth Streaming – Live Streaming)

This operation is used to add a publishing point for Smooth Streaming – Live Streaming.

Note: It may take up to 10 minutes before the creation of a publishing point takes effect.

Request

A request to add a publishing point is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/ livesmooth

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

Optional and required request parameters for this operation are described below.

Name	Description
AuthKey	Required. A string that defines a key required to authenticate an encoder to our servers. This key must be specified in the publishing point URL.
DVRDuration	Required. An integer that defines the length, in minutes, of the DVR playback window. This parameter must be set to a value between 1 and 180.
Duration	An integer that defines the estimated duration, in seconds, of the live stream. A video player uses this information to calculate the seek bar.
Expiration	Required. A string that defines the publishing point's expiration date using the following format: *YYYY-MM-DD*.
Name	Required. A string that defines the name associated with the publishing point.
Title	A string that defines the title that will be associated with all streams that leverage this publishing point.

Name	Description
iOSStreaming	An integer that determines the stream will be transmuxed to a format that is supported by an HTTP Live Streaming (HLS) player. • **0:** Determines that this publishing point will only generate a stream that is compatible with Silverlight players. • **1:** Determines that this publishing point will generate streams that are compatible with Silverlight players and iOS devices.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Id	An integer that indicates the unique ID assigned to the new publishing point.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 184
```

```
{
        "AuthKey" : "123456789",
        "DVRDuration" : 120,
        "Duration" : 240,
        "Expiration" : "2013-03-31",
        "Name" : "event1",
        "Title" : "My First Event",
        "iOSStreaming" : 0
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 14


{
        "Id":123
}
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 347


<HttpStreaming.LiveSmoothInputAPI xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <AuthKey>123456789</AuthKey>
        <DVRDuration>120</DVRDuration>
        <Duration>240</Duration>
        <Expiration>2013-03-31</Expiration>
        <Name>event1</Name>
        <Title>My First Event</Title>
        <iOSStreaming>0</iOSStreaming>
</HttpStreaming.LiveSmoothInputAPI>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 132


<HttpStreaming.LiveSmoothIdAPI xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <Id>123</Id>
</HttpStreaming.LiveSmoothIdAPI>
```

Delete Publishing Point (Smooth Streaming – Live Streaming)

This operation is used to delete a Smooth Streaming – Live Streaming publishing point.

Note: It may take up to an hour for this change to take effect.

Request

A request to delete a publishing point is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **PublishingPointID:** This term should be replaced by the ID associated with the publishing point that will be deleted. This ID can be returned through the Get All Publishing Points (Smooth Streaming – Live Streaming) operation.

HTTP Method	Request URI
DELETE	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming /livesmooth/*PublishingPointID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

The request format is identical for both JSON and XML. A sample request is shown below.

```
DELETE https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth/15
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Host: api.edgecast.com
```

The response is identical for both JSON and XML. A sample response is shown below.

```
HTTP/1.1 200 OK

Cache-Control: private

Date: Mon, 30 May 2011 12:00:00 GMT
```

Get All Publishing Points (Smooth Streaming – Live Streaming)

This operation retrieves a listing of all Smooth Streaming – Live Streaming publishing points.

Request

A request to retrieve all publishing points is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/livesmooth

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each publishing point.

Name	Description
AuthKey	A string that indicates the key required to authenticate an encoder to our servers.
DVRDuration	An integer from 1 to 180 that indicates the length, in minutes, of the DVR playback window.
Duration	An integer that indicates the estimated duration, in seconds, of the live stream.
Expiration	A string that indicates the publishing point's expiration date/time (GMT).
Id	An integer that indicates the unique system-defined ID corresponding to the publishing point.
Name	A string that indicates the name of the publishing point.
PlayerUrl	A string that indicates the player URL through which video playback can be performed.
PublishingPoints	This parameter contains a list of publishing point URLs associated with this publishing point and their corresponding region.
Region	An integer that indicates the region associated with a publishing point URL.
Url	A string that indicates a publishing point URL.
ShutDownDate	A string that indicates the date and time (GMT) on which the publishing point was last shutdown.
Title	A string that indicates the title associated with all streams that leverage this publishing point.
iOSStreaming	A string that indicates whether the stream will be transmuxed to a format that is supported by an HTTP Live Streaming (HLS) player. • **true:** Indicates that this publishing point will generate streams that are compatible with Silverlight players and iOS devices. • **false:** Indicates that this publishing point will only generate a stream that is compatible with Silverlight players.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 1046


[{

            "AuthKey" : "123456",

            "DVRDuration" : 5,

            "Duration" : 0,

            "Expiration" : "2013-04-01",

            "Id" : 15,

            "Name" : "presentation",

            "PlayerUrl" :
      "http:\/\/wpc.0001.edgecastcdn.net\/210001\/presentation.isml\/Manifest",

            "PublishingPoints" : [{

                        "Region" : "North America - Los Angeles",

                        "Url" :
      "http:\/\/wsi.lax.0001.edgecastcdn.net\/210001\/presentationET123456.isml"
                  }, {

                        "Region" : "North America - Ashburn",

                        "Url" :
      "http:\/\/wsi.dca.0001.edgecastcdn.net\/210001\/presentationET123456.isml"
                  }, {

                        "Region" : "Europe - Amsterdam",
```

```
                        "Url" :
        "http:\/\/wsi.ams.0001.edgecastcdn.net\/210001\/presentationET123456.isml"
                    }, {
                        "Region" : "Europe - Frankfurt",
                        "Url" :
        "http:\/\/wsi.fra.0001.edgecastcdn.net\/210001\/presentationET123456.isml"
                    }, {
                        "Region" : "Asia - Hong Kong",
                        "Url" :
        "http:\/\/wsi.hhp.0001.edgecastcdn.net\/210001\/presentationET123456.isml"
                    }
            ],
            "ShutDownDate" : "2011-01-27 23:43",
            "Title" : "",
            "iOSStreaming" : false
        }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 1704


<ArrayOfHttpStreaming.LiveSmoothAPI
xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <HttpStreaming.LiveSmoothAPI>

                <AuthKey>123456</AuthKey>

                <DVRDuration>5</DVRDuration>

                <Duration>0</Duration>

                <Expiration>2013-04-01</Expiration>
```

```
        <Id>15</Id>
        <Name>presentation</Name>
        <PlayerUrl>http://wpc.0001.edgecastcdn.net/210001/presentation.isml/Mani
fest</PlayerUrl>
        <PublishingPoints>
            <HttpStreaming.PublishingPointsAPI>
                <Region>North America - Los Angeles</Region>
        <Url>http://wsi.lax.0001.edgecastcdn.net/210001/presentationET123456.ism
l</Url>
            </HttpStreaming.PublishingPointsAPI>
            <HttpStreaming.PublishingPointsAPI>
                <Region>North America - Ashburn</Region>
        <Url>http://wsi.dca.0001.edgecastcdn.net/210001/presentationET123456.ism
l</Url>
            </HttpStreaming.PublishingPointsAPI>
            <HttpStreaming.PublishingPointsAPI>
                <Region>Europe - Amsterdam</Region>
        <Url>http://wsi.ams.0001.edgecastcdn.net/210001/presentationET123456.ism
l</Url>
            </HttpStreaming.PublishingPointsAPI>
            <HttpStreaming.PublishingPointsAPI>
                <Region>Europe - Frankfurt</Region>
        <Url>http://wsi.fra.0001.edgecastcdn.net/210001/presentationET123456.ism
l</Url>
            </HttpStreaming.PublishingPointsAPI>
            <HttpStreaming.PublishingPointsAPI>
                <Region>Asia - Hong Kong</Region>
        <Url>http://wsi.hhp.0001.edgecastcdn.net/210001/presentationET123456.ism
l</Url>
            </HttpStreaming.PublishingPointsAPI>
        </PublishingPoints>
        <ShutDownDate>2011-01-27 23:43</ShutDownDate>
        <Title/>
        <iOSStreaming>false</iOSStreaming>
    </HttpStreaming.LiveSmoothAPI>
</ArrayOfHttpStreaming.LiveSmoothAPI>
```

Get Publishing Point (Smooth Streaming – Live Streaming)

This operation retrieves a specific Smooth Streaming – Live Streaming publishing point.

Request

A request to retrieve a publishing point is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **PublishingPointID:** This term should be replaced by the ID associated with the publishing point that will be retrieved. This ID can be returned through the Get All Publishing Points (Smooth Streaming – Live Streaming) operation.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/ livesmooth/*PublishingPointID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements.

Name	Description
AuthKey	A string that indicates the key required to authenticate an encoder to our servers.

Name	Description
DVRDuration	An integer from 1 to 180 that indicates the length, in minutes, of the DVR playback window.
Duration	An integer that indicates the estimated duration, in seconds, of the live stream.
Expiration	A string that indicates the publishing point's expiration date/time (GMT).
Id	An integer that indicates the unique system-defined ID corresponding to the publishing point.
Name	A string that indicates the name of the publishing point.
PlayerUrl	A string that indicates the player URL through which video playback can be performed.
PublishingPoints	This parameter contains a list of publishing point URLs associated with this publishing point and their corresponding region.
Region	An integer that indicates the region associated with a publishing point URL.
Url	A string that indicates a publishing point URL.
ShutDownDate	A string that indicates the date and time (GMT) on which the publishing point was last shutdown.
Title	A string that indicates the title associated with all streams that leverage this publishing point.
iOSStreaming	A string that indicates whether the stream will be transmuxed to a format that is supported by an HTTP Live Streaming (HLS) player. • **true:** Indicates that this publishing point will generate streams that are compatible with Silverlight players and iOS devices. • **false:** Indicates that this publishing point will only generate a stream that is compatible with Silverlight players.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth/15 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 1014

{
        "AuthKey" : "123456",
        "DVRDuration" : 5,
        "Duration" : 0,
        "Expiration" : "2013-04-01",
        "Id" : 15,
        "Name" : "presentation",
        "PlayerUrl" :
"http:\/\/wpc.0001.edgecastcdn.net\/210001\/presentation.isml\/Manifest",
        "PublishingPoints" : [{
                        "Region" : "North America - Los Angeles",
                        "Url" :
"http:\/\/wsi.lax.0001.edgecastcdn.net\/210001\/presentationET123456.isml"
                }, {
                        "Region" : "North America - Ashburn",
                        "Url" :
"http:\/\/wsi.dca.0001.edgecastcdn.net\/210001\/presentationET123456.isml"
                }, {
                        "Region" : "Europe - Amsterdam",
                        "Url" :
"http:\/\/wsi.ams.0001.edgecastcdn.net\/210001\/presentationET123456.isml"
                }, {
                        "Region" : "Europe - Frankfurt",
                        "Url" :
```

```
    "http:\/\/wsi.fra.0001.edgecastcdn.net\/210001\/presentationET123456.isml"
        }, {
                "Region" : "Asia - Hong Kong",
                "Url" :
    "http:\/\/wsi.hhp.0001.edgecastcdn.net\/210001\/presentationET123456.isml"
        }
    ],
    "ShutDownDate" : "2011-01-27 23:43",
    "Title" : "",
    "iOSStreaming" : false
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth/15 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 1593

<HttpStreaming.LiveSmoothAPI xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <AuthKey>123456</AuthKey>
        <DVRDuration>5</DVRDuration>
        <Duration>0</Duration>
        <Expiration>2013-04-01</Expiration>
        <Id>15</Id>
        <Name>presentation</Name>
        <PlayerUrl>http://wpc.0001.edgecastcdn.net/210001/presentation.isml/Manifest</Pl
        ayerUrl>
        <PublishingPoints>
                <HttpStreaming.PublishingPointsAPI>
                        <Region>North America - Los Angeles</Region>
```

```
            <Url>http://wsi.lax.0001.edgecastcdn.net/210001/presentationET123456.ism
    l</Url>          </HttpStreaming.PublishingPointsAPI>

            <HttpStreaming.PublishingPointsAPI>

                  <Region>North America - Ashburn</Region>


            <Url>http://wsi.dca.0001.edgecastcdn.net/210001/presentationET123456.ism
    l</Url>

            </HttpStreaming.PublishingPointsAPI>

            <HttpStreaming.PublishingPointsAPI>

                  <Region>Europe - Amsterdam</Region>

            <Url>http://wsi.ams.0001.edgecastcdn.net/210001/presentationET123456.ism
    l</Url>

            </HttpStreaming.PublishingPointsAPI>

            <HttpStreaming.PublishingPointsAPI>

                  <Region>Europe - Frankfurt</Region>


            <Url>http://wsi.fra.0001.edgecastcdn.net/210001/presentationET123456.ism
    </Url>

            </HttpStreaming.PublishingPointsAPI>

            <HttpStreaming.PublishingPointsAPI>

                  <Region>Asia - Hong Kong</Region>

            <Url>http://wsi.hhp.0001.edgecastcdn.net/210001/presentationET123456.ism
    l</Url>

            </HttpStreaming.PublishingPointsAPI>

            /PublishingPoints>

            <ShutDownDate>2011-01-27 23:43</ShutDownDate>

            <Title/>

            <iOSStreaming>false</iOSStreaming>

</HttpStreaming.LiveSmoothAPI>
```

Shut Down Publishing Point (Smooth Streaming – Live Streaming)

This operation is used to shut down a Smooth Streaming – Live Streaming publishing point.

Request

A request to shut down a publishing point is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **PublishingPointID:** This term should be replaced by the ID associated with the publishing point that will be shut down. This ID can be returned through the Get All Publishing Points (Smooth Streaming – Live Streaming) operation.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/ livesmooth/*PublishingPointID*/shutdown

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth/15/shutdown HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 0
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth/15/shutdown HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 0
```

Update Publishing Point (Smooth Streaming – Live Streaming)

This operation is used to update a publishing point for Smooth Streaming – Live Streaming.

Note: It may take up to 10 minutes before modification of a publishing point takes effect.

Request

A request to update a publishing point is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **PublishingPointID:** This term should be replaced by the ID associated with the publishing point that will be updated. This ID can be returned through the Get All Publishing Points (Smooth Streaming – Live Streaming) operation.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/livesmooth/*PublishingPointID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

Optional and required request parameters for this operation are described below.

Name	Description
AuthKey	Required. A string that defines a key required to authenticate an encoder to our servers. This key must be specified in the publishing point URL.
DVRDuration	Required. An integer that defines the length, in minutes, of the DVR playback window. This parameter must be set to a value between 1 and 180.
Duration	An integer that defines the estimated duration, in seconds, of the live stream. A video player uses this information to calculate the seek bar.
Expiration	Required. A string that defines the publishing point's expiration date using the following format: *YYYY-MM-DD*.
Name	Required. A string that defines the name associated with the publishing point.
Title	A string that defines the title that will be associated with all streams that leverage this publishing point.

Name	Description
iOSStreaming	An integer that determines the stream will be transmuxed to a format that is supported by an HTTP Live Streaming (HLS) player. • **0:** Determines that this publishing point will only generate a stream that is compatible with Silverlight players. • **1:** Determines that this publishing point will generate streams that are compatible with Silverlight players and iOS devices.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth/15 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 128
```

```
{
        "AuthKey" : "123456789",
        "DVRDuration" : 120,
        "Duration" : 240,
        "Expiration" : "2013-03-31",
        "Name" : "newevent"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 0
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livesmooth/15 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 281


<HttpStreaming.LiveSmoothInputAPI xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <AuthKey>123456789</AuthKey>
        <DVRDuration>120</DVRDuration>
        <Duration>240</Duration>
        <Expiration>2013-03-31</Expiration>
        <Name>newevent</Name>
</HttpStreaming.LiveSmoothInputAPI>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 0
```

HTTP Live Streaming (HLS) & HTTP Dynamic Streaming (HDS)

This section covers how you can add, delete, retrieve, and update the following:

- HLS/HDS– Live Streaming publishing points

- PHLS directories

Add PHLS Directory

This operation adds a location to which PHLS will be applied to all HLS on-demand content. PHLS is applied recursively on each secured location.

Note: It may take up to an hour for this change to take effect.

Request

A request to add a PHLS directory is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/ phlsdirectory

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
A required request parameter for this operation is described below.

Name	Description
Path	Required. A string that indicates the relative path to the directory for which PHLS will be applied. The starting point for this relative path varies according to the type of origin server that you are trying to secure. • **CDN Origin Server:** The root folder for your CDN storage account can be specified using a forward slash (i.e., /). If you would like to secure a different folder, simply append the relative path to that folder (e.g., /Presentations/2011). • **Customer Origin Server:** The root folder for your customer origin server can be specified by typing a forward slash, the name of your customer origin server, and then another forward slash (e.g., /MyCustomerOrigin/). If you would like to secure a different folder, simply append the relative path to that folder (e.g., /MyCustomerOrigin/Presentations/2011).

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Id	An integer that indicates the unique ID assigned to the PHLS directory.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is shown below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/phlsdirectory
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Content-Type: application/json

Host: api.edgecast.com

Content-Length: 48


{
        "Path":"\/MyCustomerOrigin\/Presentations"
}
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 14


{
      "Id":123
}
```

XML

A sample XML request is shown below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/phlsdirectory
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 144


<PHLSDirectoryInput xmlns="http://www.whitecdn.com/schemas/apiservices/">
       <Path>/MyCustomerOrigin/Presentations</Path>
</PHLSDirectoryInput>
```

A sample XML response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 207


<CustomerTokenDirectoriesAPICreateResult
xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
         <Id>123</Id>
</CustomerTokenDirectoriesAPICreateResult>
```

Add Publishing Point (HLS/HDS – Live Streaming)

This operation is used to add a publishing point for HLS/HDS – Live Streaming.

Note: It may take up to 10 minutes before the creation of a publishing point takes effect.

Request

A request to add a publishing point is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/livehlshds

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

Required request parameters for this operation are described below.

Name	Description
Encrypted	Optional. An integer that determines whether HLS streams will undergo AES-128 wire encryption. Valid values are: • **0:** Disables encryption. • **1:** Enables encryption. **Default:** Disabled
EventName	Required. A string that defines a description for the type of stream that will be associated with this publishing point.
Expiration	Required. A string that defines the publishing point's expiration date/time using the following format: *YYYY-MM-DD*.
InstanceName	Required. A string that defines the name of the application instance. An application instance is typically used to identify your encoder.
KeyFrameInterval	Required. An integer that defines the time interval, in seconds, between key frames in the encoded video. This setting must match the key frame frequency configuration defined in the encoder that will leverage this publishing point.

Name	Description
DvrDuration	Optional. An integer that defines the number of minutes for DVR playback. Valid values range from 5 to 180. **Default:** Disabled **Note:** A live stream must have a minimum buffer window of 60 seconds. This window exists regardless of whether DVR has been enabled on a stream.
SegmentSize	Optional. A string that defines segment size in seconds. Valid values range from 1 to 20. **Default value:** 10 seconds

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Id	An integer that indicates the unique ID assigned to the new publishing point.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livehlshds HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 118


{
        "EventName" : "event1",
        "Expiration" : "2013-05-05",
        "InstanceName" : "default",
        "KeyFrameInterval" : 3
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 14


{
        "Id":123
}
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livehlshds HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 266
```

```
<HttpStreaming.HlsHdsInputAPI xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <EventName>event1</EventName>

        <Expiration>2013-05-05</Expiration>

        <InstanceName>default</InstanceName>

        <KeyFrameInterval>3</KeyFrameInterval>

</HttpStreaming.HlsHdsInputAPI>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 177


<HttpStreaming.HlsHdsIdAPI xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <Id>123</Id>

</HttpStreaming.HlsHdsIdAPI>
```

Delete PHLS Directory

This operation is used to delete a directory from the list of locations for which PHLS will be enabled.

Note: It may take up to an hour for this change to take effect.

Request

A request to remove a directory from the list of PHLS locations is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **PHLSDirectoryID:** This term should be replaced by the unique system-defined ID associated with the desired PHLS directory. This ID can be returned through the Get All PHLS Directories operation.

HTTP Method	Request URI
DELETE	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming /phlsdirectory/*PHLSDirectoryID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

The request format is identical for both JSON and XML. A sample request is shown below.

```
DELETE https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/phlsdirectory/123 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Host: api.edgecast.com
```

The response is identical for both JSON and XML. A sample response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Date: Mon, 30 May 2011 12:00:00 GMT
```

Delete Publishing Point (HLS/HDS – Live Streaming)

This operation is used to delete a HLS/HDS – Live Streaming publishing point.

Note: It may take up to an hour for this change to take effect.

Request

A request to delete a publishing point is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **PublishingPointID:** This term should be replaced by the ID associated with the publishing point that will be deleted. This ID can be returned through the Get All Publishing Points (HLS/HDS – Live Streaming) operation.

HTTP Method	Request URI
DELETE	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/livehlshds/*PublishingPointID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

The request format is identical for both JSON and XML. A sample request is shown below.

```
DELETE https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livehlshds/123
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Host: api.edgecast.com
```

The response is identical for both JSON and XML. A sample response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Date: Mon, 30 May 2011 12:00:00 GMT
```

Get All PHLS Directories

This operation is used to retrieve a list of all PHLS directories.

Request

A request to retrieve a listing of PHLS directories is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/phlsdirectory

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each directory returned by this operation:

Name	Description
Id	An integer that indicates the unique ID assigned to the PHLS directory.
Path	A string that indicates the relative path to the PHLS directory.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/phlsdirectory HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 184
```

```
[{
        "Id" : 123,

        "Path" : "\/MyCustomerOrigin\/Presentations"

        }, {

        "Id" : 124,

        "Path" : "\/MyCustomerOrigin\/Documents"

        }
]
```

XML

A sample XML request is shown below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/phlsdirectory HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 298

<ArrayOfPHLSDirectory xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <PHLSDirectory>
                <Id>123</Id>
                <Path>/MyCustomerOrigin/Presentations</Path>
        </PHLSDirectory>
        <PHLSDirectory>
                <Id>124</Id>
                <Path>/MyCustomerOrigin/Documents</Path>
        </PHLSDirectory>
</ArrayOfPHLSDirectory>
```

Get All Publishing Points (HLS/HDS – Live Streaming)

This operation retrieves a listing of all HLS/HDS – Live Streaming publishing points.

Request

A request to retrieve all publishing points is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/livehlshds

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each publishing point.

Name	Description
Id	An integer that indicates the unique system-defined ID corresponding to the publishing point.
EventName	A string that provides a description for the type of stream that will be associated with a publishing point.

Name	Description
InstanceName	A string that indicates the name of the application instance.
KeyFrameInterval	An integer that indicates the time interval, in seconds, between key frames in the encoded video.
Expiration	A string that indicates the publishing point's expiration date.
PublishingPoints	This parameter contains a list of publishing point URLs associated with this publishing point and their corresponding region.
Region	An integer that indicates the region associated with a publishing point URL.
Url	A string that indicates a publishing point URL.
HLSPlaybackUrl	A string that indicates the player URL through which video playback can be performed for HTTP Live Streaming.
HDSPlaybackUrl	A string that indicates the player URL through which video playback can be performed for HTTP Dynamic Streaming.
Encrypted	A Boolean that indicates whether HLS streams will undergo AES-128 wire encryption.
DvrDuration	An integer that indicates the number of minutes for DVR playback. Valid values range from 5 to 180. If this setting is set to null, then the DVR feature has been disabled.
SegmentSize	A string that indicates segment size in seconds. Valid values range from 1 to 20.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livehlshds HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 3229


[{
            "Id" : 137,
            "EventName" : "event1",
            "InstanceName" : "default",
            "KeyFrameInterval" : 3,
            "Expiration" : "2013-12-23 00:00",
            "PublishingPoints" : [{
                        "Region" : "North America - Ashburn",
                        "Url" :
        "rtmp:\/\/fso.dca.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
                }, {
                        "Region" : "North America - Los Angeles",
                        "Url" :
        "rtmp:\/\/fso.lax.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
                }, {
                        "Region" : "Europe - Amsterdam",
                        "Url" :
        "rtmp:\/\/fso.ams.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
                }, {
                        "Region" : "Australia - Sydney",
                        "Url" :
        "rtmp:\/\/fso.syd.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
                }, {
                        "Region" : "Europe - Frankfurt",
                        "Url" :
        "rtmp:\/\/fso.fra.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
                }, {
                        "Region" : "Asia - Hong Kong",
                        "Url" :
        "rtmp:\/\/fso.hhp.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
```

```
-live-event=event1"
                }, {
                        "Region" : "Europe - Stockholm",
                        "Url" :
"rtmp:\/\/fso.arn.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
-live-event=event1"
                }
        ],
        "HLSPlaybackUrl" : "http:\/\/wpc.0001.edgecastcdn.net\/hls-
live\/200001\/default\/event1\/&lt;streamName&gt;.m3u8",
        "HDSPlaybackUrl" : "http:\/\/wpc.0001.edgecastcdn.net\/hds-
live\/200001\/default\/event1\/&lt;streamName&gt;.f4m",
        "Encrypted" : false,
        "DvrDuration" : null,
        "SegmentSize" : 10
}, {
        "Id" : 138,
        "EventName" : "event2",
        "InstanceName" : "default",
        "KeyFrameInterval" : 3,
        "Expiration" : "2013-12-24 00:00",
        "PublishingPoints" : [{
                        "Region" : "North America - Ashburn",
                        "Url" :
"rtmp:\/\/fso.dca.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
-live-event=event2"
                }, {
                        "Region" : "North America - Los Angeles",
                        "Url" :
"rtmp:\/\/fso.lax.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
-live-event=event2"
                }, {
                        "Region" : "Europe - Amsterdam",
                        "Url" :
"rtmp:\/\/fso.ams.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
-live-event=event2"
                }, {
                        "Region" : "Australia - Sydney",
                        "Url" :
"rtmp:\/\/fso.syd.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
-live-event=event2"
                }, {
                        "Region" : "Europe - Frankfurt",
```

```
                                "Url" :
        "rtmp:\/\/fso.fra.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event2"
                }, {
                                "Region" : "Asia - Hong Kong",
                                "Url" :
        "rtmp:\/\/fso.hhp.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event2"
                }, {
                                "Region" : "Europe - Stockholm",
                                "Url" :
        "rtmp:\/\/fso.arn.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event2"
                }
        ],
        "HLSPlaybackUrl" : "http:\/\/wpc.0001.edgecastcdn.net\/hls-
        live\/200001\/default\/event2\/&lt;streamName&gt;.m3u8",
        "HDSPlaybackUrl" : "http:\/\/wpc.0001.edgecastcdn.net\/hds-
        live\/200001\/default\/event2\/&lt;streamName&gt;.f4m",
        "Encrypted" : false,
        "DvrDuration" : 5,
        "SegmentSize" : 10
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livehlshds HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 4236


<ArrayOfHlsHds xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
```

```
<HlsHds>
        <Id>137</Id>
        <EventName>event1</EventName>
        <InstanceName>default</InstanceName>
        <KeyFrameInterval>3</KeyFrameInterval>
        <Expiration>2013-12-23 00:00</Expiration>
        <PublishingPoints>
                <PublishingPoints>
                        <Region>North America - Ashburn</Region>
<Url>rtmp://fso.dca.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>
                </PublishingPoints>
                <PublishingPoints>
                        <Region>North America - Los Angeles</Region>
<Url>rtmp://fso.lax.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>
                </PublishingPoints>
                <PublishingPoints>
                        <Region>Europe - Amsterdam</Region>
<Url>rtmp://fso.ams.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>
                </PublishingPoints>
                <PublishingPoints>
                        <Region>Australia - Sydney</Region>
<Url>rtmp://fso.syd.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>
                </PublishingPoints>
                <PublishingPoints>
                        <Region>Europe - Frankfurt</Region>
<Url>rtmp://fso.fra.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>
                </PublishingPoints>
                <PublishingPoints>
                        <Region>Asia - Hong Kong</Region>
<Url>rtmp://fso.hhp.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>
                </PublishingPoints>
                <PublishingPoints>
                        <Region>Europe - Stockholm</Region>
<Url>rtmp://fso.arn.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>
```

```
            </PublishingPoints>

        </PublishingPoints>

        <HLSPlaybackUrl>http://wpc.0001.edgecastcdn.net/hls-
live/200001/default/event1/&amp;lt;streamName&amp;gt;.m3u8</HLSPlaybackUrl>

        <HDSPlaybackUrl>http://wpc.0001.edgecastcdn.net/hds-
live/200001/default/event1/&amp;lt;streamName&amp;gt;.f4m</HDSPlaybackUrl>

        <Encrypted>false</Encrypted>

        <DvrDuration i:nil="true"/>

        <SegmentSize>10</SegmentSize>

</HlsHds>

<HlsHds>

        <Id>138</Id>

        <EventName>event2</EventName>

        <InstanceName>default</InstanceName>

        <KeyFrameInterval>3</KeyFrameInterval>

        <Expiration>2013-12-24 00:00</Expiration>

        <PublishingPoints>

            <PublishingPoints>

                <Region>North America - Ashburn</Region>

<Url>rtmp://fso.dca.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event2</Url>

            </PublishingPoints>

            <PublishingPoints>

                <Region>North America - Los Angeles</Region>

<Url>rtmp://fso.lax.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event2</Url>

            </PublishingPoints>

            <PublishingPoints>

                <Region>Europe - Amsterdam</Region>

<Url>rtmp://fso.ams.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event2</Url>

            </PublishingPoints>

            <PublishingPoints>

                <Region>Australia - Sydney</Region>

<Url>rtmp://fso.syd.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event2</Url>

            </PublishingPoints>

            <PublishingPoints>

                <Region>Europe - Frankfurt</Region>

<Url>rtmp://fso.fra.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event2</Url>
```

```
                </PublishingPoints>
                <PublishingPoints>
                        <Region>Asia - Hong Kong</Region>
<Url>rtmp://fso.hhp.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event2</Url>
                </PublishingPoints>
                <PublishingPoints>
                        <Region>Europe - Stockholm</Region>
<Url>rtmp://fso.arn.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event2</Url>
                </PublishingPoints>
        </PublishingPoints>
        <HLSPlaybackUrl>http://wpc.0001.edgecastcdn.net/hls-
live/200001/default/event2/&amp;lt;streamName&amp;gt;.m3u8</HLSPlaybackUrl>
        <HDSPlaybackUrl>http://wpc.0001.edgecastcdn.net/hds-
live/200001/default/event2/&amp;lt;streamName&amp;gt;.f4m</HDSPlaybackUrl>
        <Encrypted>false</Encrypted>
        <DvrDuration>5</DvrDuration>
        <SegmentSize>10</SegmentSize>
    </HlsHds>
</ArrayOfHlsHds>
```

Get PHLS Directory

This operation is used to retrieve information about a PHLS directory.

Request

A request to retrieve information about a PHLS directory is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **PHLSDirectoryID:** This term should be replaced by the unique system-defined ID associated with the desired PHLS directory. This ID can be returned through the Get All PHLS Directories operation.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/ phlsdirectory/*PHLSDirectoryID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Description
Id	An integer that indicates the unique ID assigned to the PHLS directory.
Path	A string that indicates the relative path to the PHLS directory.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/phlsdirectory/123
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 88


{
      "Id" : 123,
      "Path" : "\/MyCustomerOrigin\/Presentations"
}
```

XML

A sample XML request is shown below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/phlsdirectory/123
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 313

<PHLSDirectory xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <Id>123</Id>
      <Path>/MyCustomerOrigin/Presentations</Path>
</PHLSDirectory>
```

Get Publishing Point (HLS/HDS – Live Streaming)

This operation retrieves a HLS/HDS – Live Streaming publishing points.

Request

A request to retrieve a publishing point is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **PublishingPointID:** This term should be replaced by the ID associated with the publishing point that will be retrieved. This ID can be returned through the Get All Publishing Points (HLS/HDS – Live Streaming) operation.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/livehlshds/*PublishingPointID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements.

Name	Description
Id	An integer that indicates the unique system-defined ID corresponding to the publishing point.

Name	Description
EventName	A string that provides a description for the type of stream that will be associated with a publishing point.
InstanceName	A string that indicates the name of the application instance.
KeyFrameInterval	An integer that indicates the time interval, in seconds, between key frames in the encoded video.
Expiration	A string that indicates the publishing point's expiration date.
PublishingPoints	This parameter contains a list of publishing point URLs associated with this publishing point and their corresponding region.
Region	An integer that indicates the region associated with a publishing point URL.
Url	A string that indicates a publishing point URL.
HLSPlaybackUrl	A string that indicates the player URL through which video playback can be performed for HTTP Live Streaming.
HDSPlaybackUrl	A string that indicates the player URL through which video playback can be performed for HTTP Dynamic Streaming.
Encrypted	A Boolean that indicates whether HLS streams will undergo AES-128 wire encryption.
DvrDuration	An integer that indicates the number of minutes for DVR playback. Valid values range from 5 to 180. If this setting is set to null, then the DVR feature has been disabled.
SegmentSize	A string that indicates segment size in seconds. Valid values range from 1 to 20.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livehlshds/15 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 1351

{
        "Id" : 137,
        "EventName" : "event1",
        "InstanceName" : "default",
        "KeyFrameInterval" : 3,
        "Expiration" : "2013-12-23 00:00",
        "PublishingPoints" : [{
                        "Region" : "North America - Ashburn",
                        "Url" :
        "rtmp:\/\/fso.dca.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
                }, {
                        "Region" : "North America - Los Angeles",
                        "Url" :
        "rtmp:\/\/fso.lax.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
                }, {
                        "Region" : "Europe - Amsterdam",
                        "Url" :
        "rtmp:\/\/fso.ams.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
                }, {
                        "Region" : "Australia - Sydney",
                        "Url" :
        "rtmp:\/\/fso.syd.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
                }, {
                        "Region" : "Europe - Frankfurt",
                        "Url" :
        "rtmp:\/\/fso.fra.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
                }, {
                        "Region" : "Asia - Hong Kong",
                        "Url" :
        "rtmp:\/\/fso.hhp.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
        -live-event=event1"
```

```
        }, {
                "Region" : "Europe - Stockholm",
                "Url" :
"rtmp:\/\/fso.arn.0001.edgecastcdn.net\/200001\/default\/&lt;streamName&gt;?adbe
-live-event=event1"
        }
    ],
    "HLSPlaybackUrl" : "http:\/\/wpc.0001.edgecastcdn.net\/hls-
live\/200001\/default\/event1\/&lt;streamName&gt;.m3u8",
    "HDSPlaybackUrl" : "http:\/\/wpc.0001.edgecastcdn.net\/hds-
live\/200001\/default\/event1\/&lt;streamName&gt;.f4m",
    "Encrypted" : false,
    "DvrDuration" : null,
    "SegmentSize" : 10
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livehlshds/15 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 2109


<HlsHds xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Id>137</Id>
        <EventName>event1</EventName>
        <InstanceName>default</InstanceName>
        <KeyFrameInterval>3</KeyFrameInterval>
        <Expiration>2013-03-23 00:00</Expiration>
        <PublishingPoints>
                <PublishingPoints>
                        <Region>North America - Ashburn</Region>
```

```
        <Url>rtmp://fso.dca.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>

            </PublishingPoints>

            <PublishingPoints>

                <Region>North America - Los Angeles</Region>

        <Url>rtmp://fso.lax.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>

            </PublishingPoints>

            <PublishingPoints>

                <Region>Europe - Amsterdam</Region>

        <Url>rtmp://fso.ams.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>

            </PublishingPoints>

            <PublishingPoints>

                <Region>Australia - Sydney</Region>

        <Url>rtmp://fso.syd.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>

            </PublishingPoints>

            <PublishingPoints>

                <Region>Europe - Frankfurt</Region>

        <Url>rtmp://fso.fra.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>

            </PublishingPoints>

            <PublishingPoints>

                <Region>Asia - Hong Kong</Region>

        <Url>rtmp://fso.hhp.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>

            </PublishingPoints>

            <PublishingPoints>

                <Region>Europe - Stockholm</Region>

        <Url>rtmp://fso.arn.0001.edgecastcdn.net/200001/default/&amp;lt;streamName&amp;g
t;?adbe-live-event=event1</Url>

            </PublishingPoints>

        </PublishingPoints>

        <HLSPlaybackUrl>http://wpc.0001.edgecastcdn.net/hls-
live/200001/default/event1/&amp;lt;streamName&amp;gt;.m3u8</HLSPlaybackUrl>

        <HDSPlaybackUrl>http://wpc.0001.edgecastcdn.net/hds-
live/200001/default/event1/&amp;lt;streamName&amp;gt;.f4m</HDSPlaybackUrl>

        <Encrypted>false</Encrypted>

        <DvrDuration i:nil="true"/>

        <SegmentSize>10</SegmentSize>

</HlsHds>
```

Update PHLS Directory

This operation is used to update the location for a PHLS directory.

Request

A request to update a PHLS directory is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **PHLSDirectoryID:** This term should be replaced by the unique system-defined ID associated with the desired PHLS directory. This ID can be returned through the Get All PHLS Directories operation.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/ phlsdirectory/*PHLSDirectoryID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

A required request parameter for this operation is described below.

Name	Description
Path	Required. A string that indicates the relative path to the directory for which PHLS will be applied. The starting point for this relative path varies according to the type of origin server that you are trying to secure. • **CDN Origin Server:** The root folder for your CDN storage account can be specified using a forward slash (i.e., /). If you would like to secure a different folder, simply append the relative path to that folder (e.g., /Presentations/2011). • **Customer Origin Server:** The root folder for your customer origin server can be specified by typing a forward slash, the name of your customer origin server, and then another forward slash (e.g., /MyCustomerOrigin/). If you would like to secure a different folder, simply append the relative path to that folder (e.g., /MyCustomerOrigin/Presentations/2011).

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is shown below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/phlsdirectory/123
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com

Content-Length: 55


{

        "Path" : "\/MyCustomerOrigin\/Presentations"

}
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is shown below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/phlsdirectory/123
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com

Content-Length: 143

<PHLSDirectoryInput xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <Path>/MyCustomerOrigin/Presentations</Path>

</PHLSDirectoryInput>
```

A sample XML response is shown below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT
```

Update Publishing Point (HLS/HDS – Live Streaming)

This operation is used to update a publishing point for HLS/HDS – Live Streaming.

Note: It may take up to 10 minutes before modification of a publishing point takes effect.

Request

A request to update a publishing point is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **PublishingPointID:** This term should be replaced by the ID associated with the publishing point that will be updated. This ID can be returned through the Get All Publishing Points (HLS/HDS – Live Streaming) operation.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/httpstreaming/livehlshds/*PublishingPointID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

Required request parameters for this operation are described below.

Name	Description
Encrypted	Optional. An integer that determines whether HLS streams will undergo AES-128 wire encryption. Valid values are: • **0:** Disables encryption. • **1:** Enables encryption. **Default:** Disabled
EventName	Required. A string that defines a description for the type of stream that will be associated with this publishing point.
Expiration	Required. A string that defines the publishing point's expiration date/time using the following format: *YYYY-MM-DD*.
InstanceName	Required. A string that defines the name of the application instance. An application instance is typically used to identify your encoder.
KeyFrameInterval	Required. An integer that defines the time interval, in seconds, between key frames in the encoded video. This setting must match the key frame frequency configuration defined in the encoder that will leverage this publishing point.
DvrDuration	Optional. An integer that defines the number of minutes for DVR playback. Valid values range from 5 to 180. **Default:** Disabled **Note:** A live stream must have a minimum buffer window of 60 seconds. This window exists regardless of whether DVR has been enabled on a stream.
SegmentSize	Optional. A string that defines segment size in seconds. Valid values range from 1 to 20. **Default value:** 10 seconds

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livehlshds/15 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 118


{
        "EventName" : "event1",
        "Expiration" : "2013-05-05",
        "InstanceName" : "default",
        "KeyFrameInterval" : 3
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 0
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/httpstreaming/livehlshds/15 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 266


<HttpStreaming.HlsHdsInputAPI xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <EventName>event1</EventName>
        <Expiration>2013-05-05</Expiration>
        <InstanceName>default</InstanceName>
        <KeyFrameInterval>3</KeyFrameInterval>
</HttpStreaming.HlsHdsInputAPI>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 0
```

Token-Based Authentication

This section covers how you can perform basic Token-Based Authentication administrative tasks, such as defining the locations that will be secured and updating the primary key that will be used to encrypt/decrypt token data. It also allows you to encrypt Token-Based Authentication parameters as a token value. It is important to note that all of these configuration tasks are platform-specific. Updating the Token-Based Authentication configuration on a particular platform will not affect how Token-Based Authentication works on any other platform.

Add Authentication Directory (Legacy)

Important: This operation has been deprecated. Please use the Add Token-Based Authentication Directory operation instead.

This legacy operation is used to add a platform-specific location that will be protected by Token-Based Authentication. The proper syntax for requesting this legacy operation is provided below.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/token/directory

Note: For additional information about this legacy operation, please refer to **Appendix C: Legacy Operations**.

Add Token-Based Authentication Directory

This operation is used to add a platform-specific location that will be protected by Token-Based Authentication. Keep in mind that Token-Based Authentication security is applied recursively to each secured location. All assets within a folder branch associated with a secure location will be protected by Token-Based Authentication.

Note: It may take up to an hour for this change to take effect.

Request

A request to add an authentication directory is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
POST	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/token/directories

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The required request parameters for this operation are described below.

Name	Description
Directory	Required. A string that indicates the relative path to the directory that will be protected by Token-Based Authentication. The starting point for this relative path varies according to the type of origin server that you are trying to secure.
	• **CDN Origin Server:** The root folder for your CDN storage account can be specified using a forward slash (i.e., /). If you would like to secure a different folder, simply append the relative path to that folder (e.g., /Presentations/2011).
	• **Customer Origin Server:** The root folder for your customer origin server can be specified by typing a forward slash, the name of your customer origin server, and then another forward slash (e.g., /MyCustomerOrigin/). If you would like to secure a different folder, simply append the relative path to that folder (e.g., /MyCustomerOrigin/Presentations/2011).
	Reminder: This configuration will only secure the specified location for the platform specified by the MediaType parameter. If another platform can be used to access the same location and it has not been secured for that platform, then that content could be exposed to unauthorized users.
MediaTypeId	Required. An integer that indicates the service on which a new authentication directory will be defined. It should be replaced with the ID associated with the desired service. Valid values for this operation are:
	• **2:** Flash Media Streaming
	• **3:** HTTP Large
	• **8:** HTTP Small
	• **14:** Application Delivery Network (ADN)

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Id	An integer that indicates the unique ID assigned to the directory that will now be secured by Token-Based Authentication for the specified platform.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/token/directories HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 71


{
        "Directory":"\/MyCustomerOrigin\/Presentations",
        "MediaTypeId":3
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 14


{
      "Id":123
}
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/token/directories HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 180


<CustomerTokenDirectoriesAPI xmlns="http://www.whitecdn.com/schemas/apiservices/">
      <Directory>/MyCustomerOrigin/Presentations</Directory>
      <MediaTypeId>3</MediaTypeId>
</CustomerTokenDirectoriesAPI>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 207


<CustomerTokenDirectoriesAPICreateResult
xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Id>123</Id>
</CustomerTokenDirectoriesAPICreateResult>
```

Get All Token-Based Authentication Directories

This operation is used to retrieve all of the directories that have been secured by Token-Based Authentication for the specified platform.

Request

A request to retrieve a list of secured directories is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **MediaTypeID:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

    - **2:** Flash Media Streaming

    - **3:** HTTP Large

    - **8:** HTTP Small

    - **14:** Application Delivery Network (ADN)

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/token/directories?mediatypeid=*MediaTypeID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each directory returned by this operation:

Name	Description
Id	An integer that indicates the unique ID assigned to the directory secured by Token-Based Authentication.
Directory	A string that indicates the relative path to the directory secured by Token-Based Authentication.
MediaTypeId	An integer that indicates the platform on which the directory has been secured. Valid values for this response element are: • **2:** Flash Media Streaming • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/token/directories?mediatypeid=3 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 184


[{
```

```
            "Id" : 123,

            "Directory" : "\/MyCustomerOrigin\/Presentations",

            "MediaTypeId" : 3

    }, {

            "Id" : 124,

            "Directory" : "\/MyCustomerOrigin\/Documents",

            "MediaTypeId" : 3

    }

]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/token/directories?mediatypeid=3
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 647


<ArrayOfCustomerTokenDirectoriesAPIGetDirectoriesResult
xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

      <CustomerTokenDirectoriesAPIGetDirectoriesResult>

          <Id>123</Id>

          <Directory>/MyCustomerOrigin/Presentations</Directory>

          <MediaTypeId>3</MediaTypeId>

      </CustomerTokenDirectoriesAPIGetDirectoriesResult>

      <CustomerTokenDirectoriesAPIGetDirectoriesResult>

          <Id>124</Id>

          <Directory>/MyCustomerOrigin/Documents</Directory>

          <MediaTypeId>3</MediaTypeId>

      </CustomerTokenDirectoriesAPIGetDirectoriesResult>
```

```
</ArrayOfCustomerTokenDirectoriesAPIGetDirectoriesResult>
```

Get Token-Based Authentication Directory

This operation is used to retrieve information about a directory that has been secured by Token-Based Authentication.

Request

A request to retrieve a Token-Based Authentication secured directory is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **TBADirectoryID:** This term should be replaced by the unique system-defined ID associated with the desired secured directory. This ID can be returned through the Get All Token-Based Authentication Directories operation.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/token/directories/*TBADirectoryID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation contains the following response elements:

Name	Description
Id	An integer that indicates the unique ID assigned to the directory secured by Token-Based Authentication.
Directory	A string that indicates the relative path to the directory secured by Token-Based Authentication.
MediaTypeId	An integer that indicates the platform on which the directory has been secured. Valid values for this response element are: • **2:** Flash Media Streaming • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/token/directories/123 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 88


{

      "Id" : 123,

      "Directory" : "\/MyCustomerOrigin\/Presentations",

      "MediaTypeId" : 3

}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/token/directories/123 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 313

<CustomerTokenDirectoriesAPIGetDirectoriesResult
xmlns="http://www.whitecdn.com/schemas/apiservices/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <Id>123</Id>

        <Directory>/MyCustomerOrigin/Presentations</Directory>

        <MediaTypeId>3</MediaTypeId>

</CustomerTokenDirectoriesAPIGetDirectoriesResult>
```

Delete Token-Based Authentication Directory

This operation is used to delete a directory from the list of locations that have been secured by Token-Based Authentication.

Note: It may take up to an hour for this change to take effect.

Request

A request to remove a directory from the list of secured locations is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **TBADirectoryID:** This term should be replaced by the unique system-defined ID associated with the desired secured directory. This ID can be returned through the Get All Token-Based Authentication Directories operation.

HTTP Method	Request URI
DELETE	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/token /directories/*TBADirectoryID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

The request format is identical for both JSON and XML. A sample request is shown below.

```
DELETE https://api.edgecast.com/v2/mcc/customers/0001/token/directories/123 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Host: api.edgecast.com
```

The response is identical for both JSON and XML. A sample response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Date: Mon, 30 May 2011 12:00:00 GMT
```

Encrypt Token Data

This operation is used to encrypt data for use with Token-Based Authentication. This encryption process does not alter the configuration of your customer account. It is only provided for your convenience. By programmatically generating token values, you can dynamically assign a valid URL that can be used to access your content.

Request

A request to encrypt data as a token value is described below.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/token/encrypt

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The required request parameters for this operation are described below.

Name	Description
Key	Required. A string that indicates the primary Token-Based Authentication key associated with the specified platform.
TokenParameter	Required. A string that identifies the criteria that a user agent must meet before an asset will be served to that client. The format for each criterion is the token parameter, an equal sign, and the value that the client must meet. If you would like to specify multiple requirements, then each token parameter/value pair must be delimited using an ampersand (e.g., ec_expire=1356955200&ec_country_deny=CA&ec_country_allow=US,MX).
	Tip: You can generate this syntax through the encrypt tool that is provided from the **Token-Based Authentication** page in the MCC.
	Tip: An ampersand (&) is a reserved character in XML. Therefore, you must specify each ampersand using its entity reference (i.e., &).

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Token	A string that indicates the encrypted token value generated from the criteria specified in the TokenParameter request parameter. This token value can be specified as a query string parameter in a request URL to gain access to content secured by Token-Based Authentication.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/token/encrypt HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Content-Type: application/json

Host: api.edgecast.com

Content-Length: 107


{

    "Key" : "MyPrimaryKeyTBA",

    "TokenParameter" :
    "ec_expire=1356955200&ec_country_deny=CA&ec_country_allow=US,MX"

}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 174

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT
```

```
{
        "Token" :
        "c17fe661298545b8c6c39808e4c6c32a87a215a1d3bfdb2ebd2ec06c9ce42538767ce212e8aa176
        89f1511033fdd302f98a487abc821bf3726b845afeded843c79b82686f46d61da6a296e3b"
}
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/token/encrypt HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Content-Type: application/xml

Host: api.edgecast.com

Content-Length: 227


<TokenParamValues xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <Key>MyPrimaryKeyTBA</Key>

        <TokenParameter>ec_expire=1356955200&amp;ec_country_deny=CA&amp;ec_country_allow
        =US,MX</TokenParameter>

</TokenParamValues>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 316

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT


<EncryptedToken xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <Token>
        c17fe661298545b8c6c39808e4c6c32a87a215a1d3bfdb2ebd2ec06c9ce42538767ce212e8aa1768
        9f1511033fdd302f98a487abc821bf3726b845afeded843c79b82686f46d61da6a296e3b

        </Token>
</EncryptedToken>
```

Update Primary Key

This operation is used to update the primary Token-Based Authentication key associated with the specified platform. This key is used by our servers to encrypt and decrypt a token value.

Important: The update of a primary key may take up to an hour to take effect. However, a response will be returned immediately.

Warning: This operation should be used with care. The safest method for updating your primary key is to do so through the **Token-Based Authentication** page in the MCC. Continuous access to your content cannot be guaranteed when a backup key is not used. For more information, please refer to the **Token-Based Authentication Administration Guide**.

Request

A request to update a primary key is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/token/key

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The required request parameters for this operation are described below.

Name	Description
Key	Required. A string that updates the value assigned to the primary Token-Based Authentication key associated with the specified platform. Only alphanumeric characters are supported by this string value.
MediaType	Required. An integer that indicates the service whose primary key will be updated. It should be replaced with the ID associated with the desired service. Valid values for this operation are: • **2:** Flash Media Streaming • **3:** HTTP Large • **8:** HTTP Small • **14:** Application Delivery Network (ADN)

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/token/key HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 41


{
        "Key":"MyPrimaryKeyTBA",
        "MediaType":3
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/token/key HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 155

<TokenKeyParamValues xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <Key>MyPrimaryKeyTBA</Key>
        <MediaType>3</MediaType>
</TokenKeyParamValues>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Update Token-Based Authentication Directory

This operation is used to update the location for a directory that has been secured by Token-Based Authentication.

Request

A request to update a Token-Based Authentication secured directory is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **TBADirectoryID:** This term should be replaced by the unique system-defined ID associated with the desired secured directory. This ID can be returned through the Get All Token-Based Authentication Directories operation.

HTTP Method	Request URI
PUT	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/token/directories/*TBADirectoryID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

A required request parameter for this operation is described below.

Name	Description
Directory	A string that determines the relative path to the directory secured by Token-Based Authentication.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/token/directories/123 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
Content-Length: 55


{
        "Directory" : "\/MyCustomerOrigin\/Presentations"
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
PUT https://api.edgecast.com/v2/mcc/customers/0001/token/directories/123 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
Content-Length: 182
```

```
<CustomerTokenDirectoriesUpdateAPI
xmlns="http://www.whitecdn.com/schemas/apiservices/">

        <Directory>/MyCustomerOrigin/Presentations</Directory>

</CustomerTokenDirectoriesUpdateAPI>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT
```

Web Application Firewall (WAF)

The methods described in this section are designed to retrieve WAF event log information.

Get Available Event Log Fields

This method provides a list of the available event log fields and their definitions.

Note: This method only supports JSON.

Request

A request to retrieve event log fields is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/waf/eventlogs/fields

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Data Type	Description
fields		This response element contains the set of available fields.
name	String	Indicates the name of a field.
data_type	String	Indicates the field's data type (e.g., string or number).
description	String	Describes the field's purpose.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/waf/eventlogs/fields HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 2475

{
      "fields" : [{
                  "name" : "Timestamp",
```

```
                "data_type" : "date",
                "description" : "timestamp of log entry as UTC timestamp"
        }, {
                "name" : "Epoch Time",
                "data_type" : "epoch",
                "description" : "time of log event as epoch UTC"
        }, {
                "name" : "Action Type",
                "data_type" : "string",
                "description" : "what action was taken"
        }, {
                "name" : "Rule Severity",
                "data_type" : "int",
                "description" : "Severity value from WAF Rule violation"
        }, {
                "name" : "Rule Message",
                "data_type" : "string",
                "description" : "Message indicating reason for block or alert"
        }, {
                "name" : "Instance Name",
                "data_type" : "string",
                "description" : "name of the WAF instance"
        }, {
                "name" : "Profile Name",
                "data_type" : "string",
                "description" : "Name of profile which triggered violation"
        }, {
                "name" : "Profile Type",
                "data_type" : "string",
                "description" : "Profile type specifying audit or production"
        }, {
                "name" : "Rule ID",
                "data_type" : "string",
                "description" : "WAF Security config rule ID"
        }, {
                "name" : "Client IP",
                "data_type" : "ip",
                "description" : "Client IP from Request"
```

```
        }, {
                "name" : "Country Code",
                "data_type" : "string",
                "description" : "Two letter country code"
        }, {
                "name" : "User Agent",
                "data_type" : "string",
                "description" : "The clients user-agent"
        }, {
                "name" : "Host",
                "data_type" : "string",
                "description" : "Hostname from request"
        }, {
                "name" : "URL",
                "data_type" : "string",
                "description" : "URL from request"
        }, {
                "name" : "Referrer",
                "data_type" : "string",
                "description" : "Referrer from request"
        }, {
                "name" : "Rule Tags",
                "data_type" : "string",
                "description" : "WAF Rule Tags indicating type of violation"
        }, {
                "name" : "Matched Data",
                "data_type" : "string",
                "description" : "Data from client request that matched rule"
        }, {
                "name" : "Matched On",
                "data_type" : "string",
                "description" : "Name of Variable in Rule that matched"
        }, {
                "name" : "Matched Value",
                "data_type" : "string",
                "description" : "Value of Variable in Rule that matched"
        }, {
                "name" : "Rule Policy",
```

```
                "data_type" : "string",

                "description" : "WAF Rule Policy"

        }, {

                "name" : "id",

                "data_type" : "string",

                "description" : "ID of WAF event"

        }

    ]

}
```

Get Event Count

This method returns the total number of events that occurred during the specified time period.

Note: This method only supports JSON.

Request

A request to find out the total number of events for a specified time period is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **StartDateTime:** Required. Replace this variable with the start date/time for the report. Only activity that took place after the specified date/time will be included in the report. **Format:** *YYYY-MM-DD*T*hh*:*mm*:*ss*

- **EndDateTime:** Required. Replace this variable with the end date/time for the report. Activity that took place after the specified date/time will not be included in the report. **Format:** *YYYY-MM-DD*T*hh*:*mm*:*ss*

Note: Time (i.e., T*hh*:*mm*:*ss*) is optional. If time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/waf/eventlogs /count?start_time=*StartDateTime*&end_time=*EndDateTime*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Data Type	Description
Count	Integer	Indicates the total number of events that occurred during the specified time period.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/waf/eventlogs/count?start_time=2014-
10-20&end_time=2014-10-31 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 24


{
        "count" : 3335091
}
```

Get Event Log Entries

This method returns paginated event log data. This data can be filtered by:

- Time Period
- Field values

Note: A request for event log entries may return information on thousands of requests. Due to the amount of time that it would take to transmit this data, the response for this method has been split up into pages. Retrieve all events that match the specified criteria by requesting each page. Use the page_of response element in your script to cycle through each page.

Note: This method only supports JSON.

Request

A request to retrieve event log data is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **StartDateTime:** Required. Replace this variable with the start date/time for the report. Only activity that took place after the specified date/time will be included in the report. **Format:** *YYYY-MM-DD*T*hh:mm:ss*

- **EndDateTime:** Required. Replace this variable with the end date/time for the report. Activity that took place after the specified date/time will not be included in the report. **Format:** *YYYY-MM-DD*T*hh:mm:ss*

- **Filters:** Replace this variable with the desired filter(s).

    - Specify one or more filters using URL-encoded JSON.

    - Only events that satisfy all specified filters may be returned by this method.

- Specify a field name and a value for each desired filter.

- Field names and values are case-sensitive.

- Use a comma to delimit each filter.

- Set up a filter that can be satisfied by multiple values by comma-delimiting each value within brackets.

- A "starts with" match may be defined by appending an asterisk (i.e., *) to the desired value. Any other usage of an asterisk wildcard is unsupported.

- **PageNumber:** Replace this variable with the page number that will be returned. This method will only include log events corresponding to that page in the response.

  Note: Omitting the page query string parameter in the request will return the first page.

- **ItemsPerPage:** Replace this variable with the number of log events that may be included on each page. The number of items per page determines the number of pages that may be returned.

  Note: Omitting the page_size query string parameter in the request will return a maximum of 100 log events per page.

  Note: The maximum value for this variable is 1000.

Note: Time (i.e., T*hh*:*mm*:*ss*) is optional. If time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/waf/eventlogs ?start_time=*StartDateTime*&end_time=*EndDateTime*&filters=*Filters*&page= *PageNumber*&page_size=*ItemsPerPage*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Data Type	Description
page_of	Integer	Indicates the total number of pages required to return the event log data that matches the criteria defined in the request. The total number of pages is determined as indicated below. (# of Eligible Log Events) / (ItemsPerPage) The result of the above formula is rounded up to the nearest whole integer.
events		This response element contains a list of fields for each event reported on this page. **Note:** Only fields that contain data for the event being reported will be included in the response. This means that the set of fields reported for each event may vary.
Epoch Time	Decimal	Indicates the Unix time at which the violation took place.
Matched On	String	Indicates the variable that identifies where the violation was found.
Profile Type	String	Indicates whether the request was screened as a result of an instance's production or audit profile.
Rule Severity	Integer	Indicates the severity of the violation. This value may range from -1 to 6 where 6 represents the lowest severity level.
Client IP	String	Identifies the IP address of the client from which the violation originated.
Rule Message	String	Provides a description of the rule that the request violated.
Sub Event Count	Integer	Indicates the total number of sub events reported for the current event log entry.

Name	Data Type	Description
Rule Tags	String	Indicates the tags associated with the rule that the request violated. These tags may be used to determine whether a rule, access control, or global setting was violated.
Timestamp	String	Indicates the date and time (GMT) at which the violation took place. **Format:** *YYYY-MM-DD*T*hh:mm:ss.milliseconds*Z
URL	String	Indicates the URL that was requested.
Matched Data	String	Indicates the client-side data that triggered the violation. For example, this response element may report a client's IP address or a portion of the URL that violated the request.
Country Code	String	Identifies the country from which the request originated by its country code.
Rule Policy	String	Indicates the name of the policy that was violated.
Action Type	String	Indicates the action that was triggered as a result of the violation. Valid values are: • ALERT • BLOCK
Host	String	Indicates the hostname that was requested.
Instance Name	String	Indicates the name of the instance that activated the profile containing the rule that the requested violated.
Referrer	String	Indicates the request's referrer as defined by the Referer request header.
Profile Name	String	Indicates the name of the profile that triggered the violation.
Rule ID	Integer	Indicates the ID for the rule that the request violated.
Sub Events		This response element contains a list of fields that describe each sub event associated with the current event. A sub event is reported for each rule violation incurred by a request. **Note:** A sub event is only reported when an event's profile is configured to use Anomaly Scoring threat detection mode.
Matched On	String	See definition above.
Rule Message	String	See definition above.

Name	Data Type	Description
Matched Data	String	See definition above.
Total Anomaly Score	Integer	Indicates the total anomaly score for the current rule violation. This score is calculated by summing the anomaly score of the current rule violation with all rule violations reported above this sub event.
Rule ID	Integer	See definition above.
Rule Severity	Integer	See definition above.
Matched Value	String	See definition below.
User Agent	String	Indicates the user agent that submitted the request that triggered the rule violation.
id	String	Indicates the hashed version of the event's ID.
Matched Value	String	Indicates the value of the variable defined in the Matched On response element.
page	Integer	Indicates the number of the page that was returned.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/waf/eventlogs?start_time=2014-11-
08&end_time=2014-11-11&page_size=2 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 2242

{
```

```
            "page_of" : 7556,
            "events" : [{
                    "Epoch Time" : 1415663997.8037629,
                    "Matched On" : "REQUEST_COOKIES:hsfirstvisit",
                    "Profile Type" : "PRODUCTION",
                    "Client IP" : "76.173.90.215",
                    "Rule Message" : "Restricted SQL Character Anomaly Detection
Alert - Total # of special characters exceeded",
                    "Rule Tags" : "OWASP_CRS/WEB_ATTACK/SQL_INJECTION",
                    "Timestamp" : "2014-11-10T23:59:57.803763Z",
                    "URL" :
"http://www.mydomain.com/data/performance.json?_=1414022387184",
                    "Matched Data" :
"://www.mydomain.com/|http://www.google.com/url?sa=t&amp;rct=j&amp;q=&amp;",
                    "Country Code" : "US",
                    "Rule Policy" : "Sql injection attacks",
                    "Action Type" : "ALERT",
                    "Host" : "www.mydomain.com",
                    "Instance Name" : "My Instance",
                    "Profile Name" : "My Template",
                    "Rule ID" : 981172,
                    "User Agent" : "Mozilla/5.0 (Windows NT 6.1; WOW64; Trident/7.0;
rv:11.0) like Gecko",
                    "id" : "HeJYqyRwK_EWF0YWDA5u-
krdmTHsHsW2VaYIgY6M1I1SSfkw2xgxHUztSQmNv-d9DKzZ3IAtvRyDTuBArqw==",
                    "Matched Value" :
"http://www.mydomain.com/|http://www.google.com/url?sa=t&amp;rct=j&amp;q=&amp;es
rc=s&amp;source=web&amp;cd=1&amp;sqi=2&amp;ved=0CCwQFjAA&amp;url=http%3A%2F%2Fww
w.mydomain.com%2F&amp;ei=_txHVJDXKu_ciQKq3oF4&amp;usg=AFQjCNFNW4ARX3Kng-
XWvJfqdvkzcYWYaQ&amp;sig2=WX948sGZHhnnmgzZLj9BAA&amp;bvm=bv.77880786,d.cGE|14139
95776061"
            }, {
                    "Epoch Time" : 1415663997.8037629,
                    "Matched On" : "REQUEST_HEADERS",
                    "Rule Severity" : 5,
                    "Profile Type" : "PRODUCTION",
                    "Client IP" : "64.237.55.3",
                    "Rule Message" : "Request Missing an Accept Header",
                    "Rule Tags" :
"OWASP_CRS/PROTOCOL_VIOLATION/MISSING_HEADER_ACCEPT",
                    "Timestamp" : "2014-11-10T23:59:57.803763Z",
                    "URL" : "http://www.mydomain.com/",
```

```
                "Matched Data" : "64.237.55.3",

                "Country Code" : "US",

                "Rule Policy" : "Protocol anomalies",

                "Action Type" : "ALERT",

                "Host" : "www.mydomain.com",

                "Instance Name" : "My Instance",

                "Profile Name" : "My Template",

                "Rule ID" : 960015,

                "User Agent" :
    "Pingdom.com_bot_version_1.4_(http://www.pingdom.com/)",

                "id" : "V0awdCY6OEM_1Nw3jQ-zGOcABLHTVOR7qIU71150LW9byjJzv-
    BM1qtJdGp5wm_DJ7ffswDARNKT-3RgwTw==",

                "Matched Value" : "0"

            }

        ],

        "page" : 1

}
```

Get Event Log Entry

This method retrieves a specific event log entry.

Note: This method only supports JSON.

Request

A request to retrieve an event log entry is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **EventID:** Replace this variable with the hashed ID of the desired event log entry. Use the Get Event Log Entries method to retrieve a list of event log entries and a hashed version of their system-assigned IDs.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/waf/eventlogs /*EventID*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Data Type	Description
Event		This response element contains a list of fields for the event returned by this method.
		Note: Only fields that contain data for the event being reported will be included in the response. This means that the set of fields included in the response may vary.
Epoch Time	Decimal	Indicates the Unix time at which the violation took place.
Profile Type	String	Indicates whether the request was screened as a result of an instance's production or audit profile.
Client IP	String	Identifies the IP address of the client from which the violation originated.
Matched On	String	Indicates the variable that identifies where the violation was found.
Rule Severity	Integer	Indicates the severity of the violation. This value may range from -1 to 6 where 6 represents the lowest severity level.
Rule Tags	String	Indicates the tags associated with the rule that the request violated. These tags may be used to determine whether a rule, access control, or global setting was violated.

Name	Data Type	Description
Timestamp	String	Indicates the date and time (GMT) at which the violation took place. **Format:** *YYYY-MM-DD*T*hh:mm:ss.milliseconds*Z
Rule Message	String	Provides a description of the rule that the request violated.
Matched Data	String	Indicates the client-side data that triggered the violation. For example, this response element may report a client's IP address or a portion of the URL that violated the request.
URL	String	Indicates the URL that was requested.
Country Code	String	Identifies the country from which the request originated by its country code.
Action Type	String	Indicates the action that was triggered as a result of the violation. Valid values are: • ALERT • BLOCK
Host	String	Indicates the hostname that was requested.
Instance Name	String	Indicates the name of the instance that activated the profile containing the rule that the requested violated.
Referrer	String	Indicates the request's referrer as defined by the Referer request header.
Profile Name	String	Indicates the name of the profile that triggered the violation.
Rule ID	Integer	Indicates the ID for the rule that the request violated.
Sub Events		This response element contains a list of fields that describe each sub event associated with the current event. A sub event is reported for each rule violation incurred by a request. **Note:** A sub event is only reported when an event's profile is configured to use Anomaly Scoring threat detection mode.
Total Anomaly Score	Integer	Indicates the total anomaly score for the current rule violation. This score is calculated by summing the anomaly score of the current rule violation with all rule violations reported above this sub event.
Matched On	String	See definition above.

Name	Data Type	Description
Rule Message	String	See definition above.
Rule ID	Integer	See definition above.
Matched Data	String	See definition above.
Rule Severity	Integer	See definition above.
Matched Value	String	See definition below.
User Agent	String	Indicates the user agent that submitted the request that triggered the rule violation.
id	String	Indicates the hashed version of the event's ID.
Matched Value	String	Indicates the value of the variable defined in the Matched On response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/mcc/customers/0001/waf/eventlogs/ZG5cuvyo_poJuwGPzlcRJMcw5q
kW6DWLWtIrXFuYC1uQ6YJEN4mw1-imyLMl08TNYci2e5OaonfD7rw== HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 2540


{

        "event" : {

                "Epoch Time" : 1415663997.8037629,

                "Profile Type" : "AUDIT",
```

```
        "Client IP" : "73.186.35.76",
        "Matched On" : "REQUEST_COOKIES:__ar_v4",
        "Rule Tags" : [
                "OWASP_CRS/ANOMALY/EXCEEDED"
        ],
        "Timestamp" : "2014-11-10T23:59:57.803763Z",
        "Rule Message" : "Inbound Anomaly Score Exceeded (Total Score: 6,
SQLi=2, XSS=0): Last Matched Message: Restricted SQL Character Anomaly Detection
Alert - Total # of special characters exceeded",
        "Matched Data" :
":20141110:2|EZS5PJXKANDRHDKZHFY3Y7:20141110:3|HHE5EGOCMRHWTGR3APKRUB:20141110:"
,
        "URL" : "http://www.mydomain.com/data/performance.json?_=1415663979436",
        "Country Code" : "US",
        "Action Type" : "ALERT",
        "Host" : "www.mydomain.com",
        "Instance Name" : "My Instance",
        "Profile Name" : "My Profile",
        "Rule ID" : 981176,
        "Sub Events" : [{
                "Total Anomaly Score" : 0,
                "Matched On" : "REQUEST_HEADERS_NAMES:X-Forwarded-Proto",
                "Rule ID" : 2200927,
                "Matched Data" : "73.123.34.76",
                "Matched Value" : "X-Forwarded-Proto"
        }, {
                "Total Anomaly Score" : 0,
                "Matched On" : "REQUEST_COOKIES_NAMES:hsfirstvisit",
                "Rule ID" : 981133,
                "Matched Data" : ".json?_=1415663979436",
                "Matched Value" : "hsfirstvisit"
        }, {
                "Total Anomaly Score" : 0,
                "Matched On" : "REQUEST_COOKIES:hsfirstvisit",
                "Rule ID" : 981300,
                "Matched Data" : ".json?_=1415663979436",
                "Matched Value" :
"http://www.mydomain.com/services/streaming//?utm_source=google&amp;utm_medium=c
pc&amp;utm_content=text&amp;utm_campaign=hosting-streaming | search |
usa&amp;gclid=cjwkeaia4ygjbrdoxa3xvftnvsasjacc3blbns2wmr2iatzhtshun7dyh1mbrwmbb0
5so6jw_h8nyrocrvpw_wcb"
```

```
            }, {
                    "Matched On" : "REQUEST_COOKIES:__ar_v4",
                    "Rule Message" : "Restricted SQL Character Anomaly
Detection Alert - Total # of special characters exceeded",
                    "Matched Data" :
":20141110:2|EZS5PJXKANDRHDKZHFY3Y7:20141110:3|HHE5EGOCMRHWTGR3APKRUB:20141110:"
,
                    "Total Anomaly Score" : 6,
                    "Rule ID" : 981172,
                    "Matched Value" :
"W2HPCAPBLVB35NKXBUT5U5:20141110:2|EZS5PJXKANDRHDKZHFY3Y7:20141110:3|HHE5EGOCMRH
WTGR3APKRUB:20141110:3|FULSCNXW6RE4DAADITC5D4:20141110:1"
                }
        ],
        "User Agent" : "Mozilla/5.0 (Windows NT 6.1; WOW64; rv:33.0)
Gecko/20100101 Firefox/33.0",
        "id" : "ZG5cuvyo_poJuwGPzlcRJMcw5qkW6DWLWtIrXFuYC1uQ6YJEN4mw1-
imyLMl08TNYci2e5OaonfD7rw==",
        "Matched Value" :
"W2HPCAPBLVB35NKXBUT5U5:20141110:2|EZS5PJXKANDRHDKZHFY3Y7:20141110:3|HHE5EGOCMRH
WTGR3APKRUB:20141110:3|FULSCNXW6RE4DAADITC5D4:20141110:1"
    }
}
```

Get Top Event Log Entries

This method identifies up to the top 10 events for a particular event log field. It returns a list of these events stored in descending order of frequency.

Note: This method only supports JSON.

Request

A request to retrieve a list of the most frequent events is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **Field:** Required. Replace this variable with the name of the desired field. Use the Get Event Log Fields method to retrieve a list of the available fields.

- **StartDateTime:** Required. Replace this variable with the start date/time for the report. Only activity that took place after the specified date/time will be included in the report. **Format:** *YYYY-MM-DD*T*hh*:*mm*:*ss*

- **EndDateTime:** Required. Replace this variable with the end date/time for the report. Activity that took place after the specified date/time will not be included in the report. **Format:** *YYYY-MM-DD*T*hh*:*mm*:*ss*

Note: Time (i.e., T*hh*:*mm*:*ss*) is optional. If time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/waf/eventlogs /top?field=*Field*&start_time=*StartDateTime*&end_time=*EndDateTime*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements:

Name	Data Type	Description
total	Integer	Indicates the total number of events that occurred during the specified time period.

Name	Data Type	Description
signature		This response element contains a list of the most frequent events for the field specified in the request. **Key information:** • This list only contains events that were triggered by a profile whose threat detection method is signature mode. • This list is limited to a maximum of 10 events. • This list is sorted in descending order of frequency.
count	Integer	Indicates the total number of events that were: • Assigned the value defined in the *term* response element. • Occurred during the time period defined in the request. • Triggered by a profile whose threat detection method is signature mode.
term	String	Indicates a unique value for the field defined in the request (i.e., ?field=*Field*)
time_to	String	Indicates the report's start date/time as defined in the request. Date/time is specified using decimal Unix time (e.g., 1414022400.0).
time_from	String	Indicates the report's end date/time as defined in the request. Date/time is specified using decimal Unix time (e.g., 1414022400.0).
anomaly		This response element contains a list of the most frequent events for the field specified in the request. **Key information:** • This list only contains events that were triggered by a profile whose threat detection method is anomaly mode. • This list is limited to a maximum of 10 events. • This list is sorted in descending order of frequency.
count	Integer	Indicates the total number of events that were: • Assigned the value defined in the *term* response element. • Occurred during the time period defined in the request. • Triggered by a profile whose threat detection method is anomaly scoring mode.

Name	Data Type	Description
term	String	Indicates a unique value for the field defined in the request (i.e., ?field=*Field*)
results		This response element contains a list of the most frequent events for the field specified in the request. **Key information:** • This list is limited to a maximum of 10 events. • This list is sorted in descending order of frequency. **Note:** A profile's threat detection mode is not taken into account for this section.
count	Integer	Indicates the total number of events that were: • Assigned the value defined in the *term* response element. • Occurred during the time period defined in the request.
term	String	Indicates a unique value for the field defined in the request (i.e., ?field=*Field*)

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/mcc/customers/0001/waf/eventlogs/top?field=Host&start_time=
2014-10-20&end_time=2014-10-21 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 382


{
        "total" : 15112,
        "signature" : [{
                    "count" : 15111,
                    "term" : "www.mydomain.com"
            }, {
                    "count" : 1,
                    "term" : "www.mydomain.com:443"
            }
        ],
        "time_to" : 1414022400.0,
        "time_from" : 1413936000.0,
        "anomaly" : [],
        "results" : [{
                    "count" : 15111,
                    "term" : "www.mydomain.com"
            }, {
                    "count" : 1,
                    "term" : "www.mydomain.com:443"
            }
        ]
}
```

Edge Nodes

This section describes an operation through which a descriptive list of edge nodes can be generated.

Get All Edge Nodes

A request to retrieve a comprehensive list of edge nodes (i.e., POPs) is described below. This list includes metadata describing each edge node, such as its location and IP blocks.

Request

A request to retrieve a list of edge nodes is described below. When submitting this request, you will need to define the following term:

- **xxxx:** This term should be replaced by the account number associated with the desired customer account.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/mcc/customers/*xxxx*/edgenodes

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body
The response body for a successful operation contains the following response elements for each edge node returned by this operation.

Name	Description
Code	A string that identifies an edge node by its three letter abbreviation.
Continent	A string that indicates the continent on which the edge node is located.
City	A string that indicates the city where the edge node is located.
V4	Lists each public IP block (IPv4) associated with an edge node.
IPAddressRange	This tag represents a single IP block (IPv4) associated with an edge node.
StartIp	A string that indicates the start IP address of the IP block (IPv4) associated with an edge node.
EndIp	A string that indicates the end IP address of the IP block (IPv4) associated with an edge node.
SubnetMask	A string that indicates the edge node's IPv4 subnet mask. A routing prefix is used to identify a subnet mask.
V6	Lists each public IP block (IPv6) associated with an edge node.
IPAddressRange	This tag represents a single IP block (IPv6) associated with an edge node.
StartIp	A string that indicates the start IP address of the IP block (IPv6) associated with an edge node.
EndIp	A string that indicates the end IP address of the IP block (IPv6) associated with an edge node.
SubnetMask	A string that indicates the edge node's IPv6 subnet mask. A routing prefix is used to identify a subnet mask.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is shown below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/edgenodes HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is shown below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 1130


[{
            "Code" : "LAX",
            "Continent" : "North America",
            "City" : "Los Angeles",
            "V4" : [{
                        "StartIp" : "46.22.69.0",
                        "EndIp" : "46.22.69.255",
                        "SubnetMask" : "24"
                }, {
                        "StartIp" : "68.232.40.0",
                        "EndIp" : "68.232.40.255",
                        "SubnetMask" : "24"
                }, {
                        "StartIp" : "72.21.84.0",
                        "EndIp" : "72.21.84.255",
                        "SubnetMask" : "24"
                }, {
                        "StartIp" : "72.21.94.0",
                        "EndIp" : "72.21.94.255",
                        "SubnetMask" : "24"
                }, {
                        "StartIp" : "93.184.218.0",
                        "EndIp" : "93.184.218.255",
                        "SubnetMask" : "24"
                }
            ],
            "V6" : [{
                        "StartIp" : "2606:2800:4000:0000:0000:0000:0000:0000",
                        "EndIp" : "2606:2800:4000:ffff:ffff:ffff:ffff:ffff",
                        "SubnetMask" : "48"
                }
```

```
            ]
            , {
            "Code" : "CPM",
            "Continent" : "North America",
            "City" : "Los Angeles",
            "V4" : [{
                            "StartIp" : "108.161.248.0",
                            "EndIp" : "108.161.249.254",
                            "SubnetMask" : "23"
                    }
            ],
            "V6" : [{
                            "StartIp" : "2606:2800:4004:0000:0000:0000:0000:0000",
                            "EndIp" : "2606:2800:4005:ffff:ffff:ffff:ffff:ffff",
                            "SubnetMask" : "47"
                    }
            ]
        }
]
```

XML

A sample XML request is shown below.

```
GET https://api.edgecast.com/v2/mcc/customers/0001/edgenodes HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is shown below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 1770

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfEdgeNodeGetResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <EdgeNodeGetResult>

                <Code>LAX</Code>

                <Continent>North America</Continent>

                <City>Los Angeles</City>

                <V4>

                        <IPAddressRange>

                                <StartIp>46.22.69.0</StartIp>

                                <EndIp>46.22.69.255</EndIp>

                                <SubnetMask>24</SubnetMask>

                        </IPAddressRange>

                        <IPAddressRange>

                                <StartIp>68.232.40.0</StartIp>

                                <EndIp>68.232.40.255</EndIp>

                                <SubnetMask>24</SubnetMask>

                        </IPAddressRange>

                        <IPAddressRange>

                                <StartIp>72.21.84.0</StartIp>

                                <EndIp>72.21.84.255</EndIp>

                                <SubnetMask>24</SubnetMask>

                        </IPAddressRange>

                        <IPAddressRange>

                                <StartIp>72.21.94.0</StartIp>

                                <EndIp>72.21.94.255</EndIp>

                                <SubnetMask>24</SubnetMask>

                        </IPAddressRange>

                        <IPAddressRange>

                                <StartIp>93.184.218.0</StartIp>

                                <EndIp>93.184.218.255</EndIp>

                                <SubnetMask>24</SubnetMask>
```

```xml
                    </IPAddressRange>
            </V4>
            <V6>
                    <IPAddressRange>
                            <StartIp>2606:2800:4000:0000:0000:0000:0000:0000</StartIp>
                            <EndIp>2606:2800:4000:ffff:ffff:ffff:ffff:ffff</EndIp>
                            <SubnetMask>48</SubnetMask>
                    </IPAddressRange>
            </V6>
    </EdgeNodeGetResult>
    <EdgeNodeGetResult>
            <Code>CPM</Code>
            <Continent>North America</Continent>
            <City>Los Angeles</City>
            <V4>
                    <IPAddressRange>
                            <StartIp>108.161.248.0</StartIp>
                            <EndIp>108.161.249.254</EndIp>
                            <SubnetMask>23</SubnetMask>
                    </IPAddressRange>
            </V4>
            <V6>
                    <IPAddressRange>
                            <StartIp>2606:2800:4004:0000:0000:0000:0000:0000</StartIp>
                            <EndIp>2606:2800:4005:ffff:ffff:ffff:ffff:ffff</EndIp>
                            <SubnetMask>47</SubnetMask>
                    </IPAddressRange>
            </V6>
    </EdgeNodeGetResult>
</ArrayOfEdgeNodeGetResult>
```

Reporting

Overview

Reporting operations allow you to generate reports based on CDN activity for your account. A list of reporting operations can be found below.

Operation Name	Description
Get All Data Transferred	Reports the total amount of data that was transferred on your CDN account over a given time period.
Get Asset Activity	Reports CDN activity for the top 250 requested assets on your CDN account over a given time period.
Get Billing Regions	Reports the available billing regions.
Get Cache Status Activity	Reports CDN activity according to cache status.
Get CNAME Hits (Deprecated)	Reports CDN activity for a particular CNAME.
Get Current Storage Usage	Reports the current amount of disk space used on a CDN origin server for your CDN account.
Get Customer Account Number	Retrieves a customer account number by its custom ID.
Get Customer Name	Retrieves the customer name by its customer account number.
Get Data Transferred & Hits by Custom Report Codes	Reports the number of hits and the amount of data that was transferred for each custom report code.
Get Data Transferred by Platform	Reports the total amount of data that was transferred on your CDN account over a given time period for a particular platform.
Get Data Transferred by Platform & Interval	Reports the amount of data that was transferred on your CDN account over a given time period. A variety of filters may be used to refine the data set returned by this operation. Data is reported over multiple time slices.
Get Directory Activity	Reports CDN activity for the top 250 requested directories on your CDN account over a given time period.
Get Download Activity	Reports CDN activity for the top 250 downloads on your CDN account over a given time period.
Get Maximum Storage Usage	Reports the maximum amount of disk space used on a CDN origin server on your CDN account over a given time period.

Operation Name	Description
Get Report Codes	Retrieves a listing of report codes.
Get Traffic Usage	Reports the amount of bandwidth usage or data transferred on your CDN account for the specified month.

Billing Regions

This section describes the operation that can be performed to retrieve the available billing regions. A billing region must be specified when retrieving billing statistics for a particular month through the Get Traffic Usage operation.

Get Billing Regions

This operation allows you to retrieve a list of billing regions.

Request

A request to retrieve a list of billing regions is described below.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/billing/regions

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each billing region returned by this operation:

Name	Description
Code	A string that identifies the abbreviation associated with the billing region.
Description	A string that provides a description for the billing region.
Id	An integer that defines the ID associated with the billing region.
Name	A string that provides the name of the billing region.
Status	An integer that provides status information for the billing region. Return values for this parameter are: • **0:** Indicates that the billing region is inactive. • **1:** indicates that the billing region is active.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/reporting/billing/regions HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 245
```

```
[{
            "Code" : "GL",
            "Description" : "Global",
            "Id" : -1,
            "Name" : "Global",
            "Status" : 1
    }, {
            "Code" : "NAEU",
            "Description" : "North America & Europe",
            "Id" : 0,
            "Name" : "North America & Europe",
            "Status" : 1
    }, {
            "Code" : "AP",
            "Description" : "Asia",
            "Id" : 1,
            "Name" : "Asia",
            "Status" : 1
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/reporting/billing/regions HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 567
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

```xml
<ArrayOfBillingRegion xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <BillingRegion>
            <Code>GL</Code>
            <Description>Global</Description>
            <Id>-1</Id>
            <Name>Global</Name>
            <Status>1</Status>
        </BillingRegion>
        <BillingRegion>
            <Code>NAEU</Code>
            <Description>North America &amp; Europe</Description>
            <Id>0</Id>
            <Name>North America &amp; Europe</Name>
            <Status>1</Status>
        </BillingRegion>
        <BillingRegion>
            <Code>AP</Code>
            <Description>Asia</Description>
            <Id>1</Id>
            <Name>Asia</Name>
            <Status>1</Status>
        </BillingRegion>
</ArrayOfBillingRegion>
```

Customer Accounts

This section describes the operations that can be used to retrieve the name and the CDN account number associated with a customer account.

Get Customer Account Number

This operation retrieves a customer's CDN account number based on a custom ID.

Request

A request to retrieve a customer's account number is described below. When submitting this request, you will need to define the following term:

- **CustomID:** This term should be replaced by the custom ID associated with the desired customer account.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/accountnumber?customercustomid=*CustomID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
AccountNumber	A string that identifies the customer account number associated with the specified custom ID.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/accountnumber?customercustomid=CID01
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 245


{

        "AccountNumber" : "0001"

}
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/accountnumber?customercustomid=CID01
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 567
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<AccountNumberResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <AccountNumber>0001</AccountNumber>
</AccountNumberResult>
```

Get Customer Name

This operation retrieves a customer's name by its CDN account number.

Request

A request to retrieve a customer's name is described below. When submitting this request, you will need to define the following term:

- **xxxx:** This term should be replaced by the account number associated with the desired customer account.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*xxxx*/customername

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
AccountName	A string that identifies the name associated with the specified customer account number.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/reporting/customers/0001/customername HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 34


{
        "AccountName" : "My Company"
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/reporting/customers/0001/customername HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 188
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<AccountNameResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <AccountName>My Company</AccountName>
</AccountNameResult>
```

Report Codes

This section describes the Get Report Codes operation which allows the retrieval of report codes.

Get Report Codes

This operation retrieves a listing of report codes. This list can be filtered by platform.

Request

Two variations of this request are provided below. The first request retrieves a listing of all report codes, while the second request only retrieves report codes associated with the specified platform. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your customer's CDN account number.

- **Platform:** Optional. This term should be replaced by an integer that indicates the platform for which a report will be generated. If the mediatypeid parameter is not specified, then report data for all platforms will be returned. Valid values for this term are:

  - **2:** Flash Media Streaming

  - **3:** HTTP Large

  - **7:** HTTP Large (SSL Traffic Only)

  - **8:** HTTP Small

  - **9:** HTTP Small (SSL Traffic Only)

  - **14:** Application Delivery Network (ADN)

  - **15:** Application Delivery Network (ADN) – (SSL Traffic Only)

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/reportcodes
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/reportcodes?mediatypeid=*Platform*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each report code returned by this operation.

Name	Description
Description	A string that describes a report code. **Note:** If the report code is for an edge CNAME, then this response element will identify the corresponding domain.
MediaTypeid	An integer that identifies the platform corresponding to that report code. Valid values are: • **2:** Flash Media Streaming • **3:** HTTP Large • **7:** HTTP Large (SSL Traffic Only) • **8:** HTTP Small • **9:** HTTP Small (SSL Traffic Only) • **14:** Application Delivery Network (ADN) • **15:** Application Delivery Network (ADN) – (SSL Traffic Only)
ReportCode	An integer that identifies a report code.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/reporting/customers/0001/reportcodes HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 195


[{
            "Description" : "secure.mydomain.com",
            "MediaTypeid" : 3,
            "ReportCode" : 10000
      }, {
            "Description" : "marketing.mydomain.com",
            "MediaTypeid" : 3,
            "ReportCode" : 10001
      }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/reporting/customers/0001/reportcodes HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 503
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfReportCodeGetResults xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <ReportCodeGetResults>
                <Description>secure.mydomain.com</Description>
                <MediaTypeid>3</MediaTypeid>
                <ReportCode>10000</ReportCode>
        </ReportCodeGetResults>
        <ReportCodeGetResults>
                <Description>marketing.mydomain.com</Description>
                <MediaTypeid>3</MediaTypeid>
                <ReportCode>10001</ReportCode>
        </ReportCodeGetResults>
</ArrayOfReportCodeGetResults>
```

Core Reporting

This section describes the Core Reporting operations that can be used to retrieve data about activity on your CDN account.

Note: Core Reporting operations can only generate reports for CDN activity within the last 18 months.

Get All Data Transferred

This platform-independent operation retrieves the total amount of data transferred (bytes) for your CDN account over a specific time period.

Note: This operation does not include data for transactions that did not complete during the requested time period, even if the transaction started before or during the time period covered by the report.

Request

A request to retrieve data transferred is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **StartDateTime:** This term should be replaced by the start date/time for the report. Only activity that took place after the specified date/time will be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

- **EndDateTime:** This term should be replaced by the end date/time for the report. Activity that took place after the specified date/time will not be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

- **POPs:** Optional. You can choose to limit report data to one or more POPs.

    - **All POPs:** If you would like to generate report data for all POPs, then you should not include "&pops=*POPs* " parameter in the request.

    - **POP-Specific Report:** Replace the term *POPs* with a comma-delimited list of the desired POPs (e.g., lax,dca,mia). Please refer to the **Appendix D: POP Listing** for a listing of POP codes.

- **RegionID:** Optional. You can choose to limit report data by region. Use the Get Billing Regions operation to retrieve a listing of regions and their IDs. If the regionid parameter is not specified, then report data for all regions will be returned.

Important: This operation returns data in 5 minute intervals (e.g., 00:00:00, 00:05:00, 00:10:00, etc.). Specifying a time that falls in between a 5 minute interval (e.g., 00:02:59) will include all data associated with that 5 minute interval (e.g., 00:00:00 – 00:04:59).

Important: The pops and regionid parameters are mutually exclusive. Specifying both parameters will result in an error.

Note: The time portion (i.e., *hh*:*mm*:*ss*) of the StartDateTime and EndDateTime request parameters is optional. If a specific time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/bytestransferred ?begindate=*StartDateTime*&enddate=*EndDateTime*&pops=*POPs*&regionid=*RegionID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Bytes	An integer that indicates the number of bytes transferred over the given time period. This statistic includes CDN activity for all platforms.
	Note: Keep in mind that the pops request element determines whether this operation returns the amount of data transferred for the entire CDN network or if it will be limited to specific POP locations.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/bytestransferred?begindate=2012-
11-01&enddate=2012-12-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 43


{

        "Bytes" : 2577643208458154598451511324

}
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/bytestransferred?begindate=2012-
11-01&enddate=2012-12-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 156
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<BytesResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Bytes>25776432084581545984551 1324</Bytes>
</BytesResult>
```

Get Cache Status Activity

This operation retrieves the total amount of hits over a given time period for each cache status on a specified platform.

Request

A request to retrieve cache status statistics is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **Platform:** This term should be replaced by an integer that indicates the platform for which a report will be generated. Valid values for this term are:

    - **3:** HTTP Large

    - **8:** HTTP Small

    - **14:** Application Delivery Network (ADN)

- **StartDateTime:** This term should be replaced by the start date/time for the report. Only activity that took place after the specified date/time will be included in the report. The format for this term is: *YYYY-MM-DD*T*hh:mm:ss*.

- **EndDateTime:** This term should be replaced by the end date/time for the report. Activity that took place after the specified date/time will not be included in the report. The format for this term is: *YYYY-MM-DD*T*hh:mm:ss*.

Important: This operation returns data in 1 hour intervals (e.g., 00:00:00, 01:00:00, 02:00:00, etc.). Specifying a time that falls in between a 1 hour interval (e.g., 00:50:05) will include all data associated with that hour (e.g., 00:00:00 – 00:59:59).

Note: The time portion (i.e., *hh*:*mm*:*ss*) of the StartDateTime and EndDateTime request parameters is optional. If a specific time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/media /*Platform*/cachestats?begindate=*StartDateTime*&enddate=*EndDateTime*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each cache status returned by this operation:

Name	Description
Hits	An integer that indicates the total number of hits for the cache status identified by the Name return parameter.
Name	A string that identifies a cache status by its name. Valid return values are defined below.

A list of valid cache statuses are defined below.

Cache Status	Description
CONFIG_NOCACHE	This status is reported when an asset's Cache-Control and Expires headers indicate that it should not be cached on a POP or by the HTTP client. As a result, the asset was served from the origin server.
NONE	This status indicates that a cache content freshness check was not performed. This check is skipped when Token-Based Authentication denies a request or when an HTTP request method is used that bypasses cache (e.g., PUT, DELETE, etc).
TCP_CLIENT_REFRESH_MISS	This status is reported when an HTTP client (e.g., browser) forces an edge server to retrieve a new version of a stale asset from the origin server. By default, our servers prevent an HTTP client from forcing our edge servers to retrieve a new version of the asset from the origin server. However, this behavior can be overridden through the use of HTTP Rules Engine.
TCP_EXPIRED_HIT	This status is reported when a request that targeted an asset with an expired time to live (TTL), such as when the asset's max-age has expired, was served directly from the POP to the client. An expired request typically results in a revalidation request to the origin server. In order for a TCP_EXPIRED_HIT to occur, the origin server must indicate that a newer version of the asset does not exist. This type of situation will typically update that asset's Cache-Control and Expires headers.
TCP_EXPIRED_MISS	This status is reported when a newer version of an expired cached asset is served from the POP to the client. If the TTL for a cached asset has expired (e.g., expired max-age), then a check will be performed on the origin server for a newer version of that asset. If an updated version is found, then it will be served to the client instead of the cached version. If the origin server or HTTP Rules Engine does not specifically prevent that asset from being cached, then it will be cached on the POP closest to the client that requested it.
TCP_HIT	This status is reported when a request is served directly from the POP to the client. An asset is immediately served from a POP when it is cached on the POP closest to the client and it has a valid TTL. TTL is determined by the Cache-Control: s-maxage, Cache-Control: max-age, and Expires headers.

Cache Status	Description
TCP_MISS	This status indicates that a cached version of the requested asset was not found on the POP closest to the client. The asset will be requested from either an origin server or an origin shield server and then served to the client. If the origin server or HTTP Rules Engine does not specifically prevent that asset from being cached, then it will be cached on the POP closest to the client that requested it.
UNCACHEABLE	This status is reported when a request results in an error (e.g., 403 Forbidden, 404 Not Found, etc.).

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/cachestats?begindate=2011-
06-01&enddate=2011-07-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 142


[{

        "Hits" : 87619673,

        "Name" : "TCP_HIT"

    }, {

        "Hits" : 22725,

        "Name" : "TCP_MISS"

    }, {
```

```
            "Hits" : 8750,

            "Name" : "CONFIG_NOCACHE"

    }, {

            "Hits" : 2388,

            "Name" : "UNCACHEABLE"

    }

]
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/cachestats?begindate=2011-
06-01&enddate=2011-07-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length:419

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfCacheStatus xmlns="http://www.whitecdn.com/schemas/apiservices/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

    <CacheStatus>

        <Hits>87619673</Hits>

        <Name>TCP_HIT</Name>

    </CacheStatus>

    <CacheStatus>

        <Hits>22725</Hits>

        <Name>TCP_MISS</Name>

    </CacheStatus>

    <CacheStatus>

        <Hits>8750</Hits>

        <Name>CONFIG_NOCACHE</Name>

    </CacheStatus>
```

```
    <CacheStatus>
        <Hits>2388</Hits>
        <Name>UNCACHEABLE</Name>
    </CacheStatus>
</ArrayOfCacheStatus>
```

Get CNAME Hits (Deprecated)

Important: This operation has been deprecated and support for it will slowly be phased out. Data collection for this operation stopped as of 11/1/2012. However, for the purpose of viewing historical data, this operation will remain available for a reasonable time period.

This operation retrieves the total amount of hits and data transferred over a given time period for each CNAME on a specified platform. For the purpose of this operation, a CNAME consists of all edge CNAMEs and the system-defined hostname (e.g., wpc.0001.edgecastcdn.net) assigned to your customer account.

Note: A customer's system-defined hostname is a CNAME to a server on our network.

Note: This operation does not include hits/data for transactions that did not complete during the requested time period, even if the transaction started before or during the time period covered by the report.

Request

A request to retrieve CNAME statistics is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **Platform:** This term should be replaced by an integer that indicates the platform for which a report will be generated. Valid values for this term are:

    - **2:** Flash Media Streaming

    - **3:** HTTP Large

    - **8:** HTTP Small

- **StartDateTime:** This term should be replaced by the start date/time for the report. Only activity that took place after the specified date/time will be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

- **EndDateTime:** This term should be replaced by the end date/time for the report. Activity that took place after the specified date/time will not be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

Important: This operation cannot request report data that occurs on or after 11/1/2012 00:00:00.

Important: This operation returns data in 1 hour intervals (e.g., 00:00:00, 01:00:00, 02:00:00, etc.). Specifying a time that falls in between a 1 hour interval (e.g., 00:50:05) will include all data associated with that hour (e.g., 00:00:00 – 00:59:59).

Note: The time portion (i.e., *hh:mm:ss*) of the StartDateTime and EndDateTime request parameters is optional. If a specific time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/media/*Platform*/cnames?begindate=*StartDateTime*&enddate=*EndDateTime*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each CNAME returned by this operation:

Name	Description
Bytes	An integer that indicates the total number of data transferred (bytes) for a particular CNAME.

Name	Description
Hits	An integer that indicates the total number of hits for a particular CNAME.
Name	A string that identifies a CNAME.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/reporting/customers/0001/media/3/cnames?begindate=2011-
06-01&enddate=2011-07-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 216


[{
            "Bytes" : 26182770916,
            "Hits" : 228445,
            "Name" : "wpc.0001.edgecastcdn.net"
    }, {
            "Bytes" : 6958089484,
            "Hits" : 16646983,
            "Name" : "gp1.wpc.edgecastcdn.net"
    }, {
            "Bytes" : 36890,
            "Hits" : 97,
            "Name" : "images.hostname.org"
    }
```

```
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/reporting/customers/0001/media/3/cnames?begindate=2011-
06-01&enddate=2011-07-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length:431
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfCname xmlns="http://www.whitecdn.com/schemas/apiservices/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <Cname>

            <Bytes>26182770916</Bytes>

            <Hits>228445</Hits>

            <Name>wpc.0001.edgecastcdn.net</Name>

        </Cname>

        <Cname>

            <Bytes>6958089484</Bytes>

            <Hits>16646983</Hits>

            <Name>gp1.wpc.edgecastcdn.net</Name>

        </Cname>

        <Cname>

            <Bytes>36890</Bytes>

            <Hits>97</Hits>

            <Name>images.hostname.org</Name>

        </Cname>

</ArrayOfCname>
```

Get Current Storage Usage

This operation returns the current amount of storage space being used on a CDN origin server.

Request

A request to retrieve current storage space usage is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/lateststorageusage

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
UsageResult	A decimal that indicates the current amount of disk space usage (GB) on a CDN origin server.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/reporting/customers/0001/lateststorageusage HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 20


{
        "UsageResult" : 85.5
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/reporting/customers/0001/lateststorageusage HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 163
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<UsageResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <UsageResult>85.5</UsageResult>
</UsageResult>
```

Get Data Transferred by Platform

This operation retrieves the total amount of data transferred over the specified platform in a given time period.

Request

A request to retrieve data transferred information by platform is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **Platform:** This term should be replaced by an integer that indicates the platform for which a report will be generated. Valid values for this term are:

    - **2:** Flash Media Streaming

    - **3:** HTTP Large

    - **7:** HTTP Large (SSL Traffic Only)

    - **8:** HTTP Small

    - **9:** HTTP Small (SSL Traffic Only)

    - **14:** Application Delivery Network (ADN)

    - **15:** Application Delivery Network (ADN) – (SSL Traffic Only)

- **StartDateTime:** This term should be replaced by the start date/time for the report. Only activity that took place after the specified date/time will be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

- **EndDateTime:** This term should be replaced by the end date/time for the report. Activity that took place after the specified date/time will not be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

- **POPs:** Optional. You can choose to filter report data to one or more POPs as indicated below.

    - **All POPs:** If you would like to generate report data for all POPs, then you should not include "&pops=*POPs* " parameter in the request.

    - **POP-Specific Report:** Replace the term *POPs* with a comma-delimited list of the desired POPs (e.g., lax,dca,mia). Please refer to the **Appendix D: POP Listing** for a listing of POP codes.

Important: This operation returns data in 5 minute intervals (e.g., 00:00:00, 00:05:00, 00:10:00, etc.). Specifying a time that falls in between a 5 minute interval (e.g., 00:02:59) will include all data associated with that 5 minute interval (e.g., 00:00:00 – 00:04:59).

Note: The time portion (i.e., *hh*:*mm*:*ss*) of the StartDateTime and EndDateTime request parameters is optional. If a specific time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/media/*Platform* /bytestransferred?begindate=*StartDateTime*&enddate=*EndDateTime*&pops=*POPs*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Bytes	An integer that indicates the total number of bytes that were transferred on the specified platform over a given time period.
	Note: Keep in mind that the pops request parameter determines whether this operation returns the amount of data transferred for the entire CDN network or if it will be limited to specific POP locations.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/bytestransferred?begindate
=2012-11-01&enddate=2012-12-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 21


{
        "Bytes" : 64457041333
}
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/bytestransferred?begindate
=2012-11-01&enddate=2012-12-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 158
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<BytesResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <Bytes>64457041333</Bytes>
</BytesResult>
```

Get Data Transferred by Platform & Interval

This operation retrieves the amount of data transferred (bytes) for your CDN account. The data returned by this report can be filtered to only include CDN traffic that meets the following criteria:

- Date range
- Platform
- POP locations
- Region

Additionally, you can define the time interval that will be used to report the amount of data transferred.

Note: This operation does not include data for transactions that did not complete during the requested time period, even if the transaction started before or during the time period covered by the report.

Request

A request to retrieve data transferred information by time interval is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **StartDateTime:** This term should be replaced by the start date/time for the report. Only activity that completed after the specified date/time will be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

- **EndDateTime:** This term should be replaced by the end date/time for the report. Activity that completed after the specified date/time will be excluded from the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

- **Platform:** Optional. This term should be replaced by an integer that indicates the platform for which a report will be generated. If the mediatypeid parameter is not specified, then report data for all platforms will be returned. Valid values for this term are:

  - **2:** Flash Media Streaming

  - **3:** HTTP Large

  - **7:** HTTP Large (SSL Traffic Only)

  - **8:** HTTP Small

  - **9:** HTTP Small (SSL Traffic Only)

  - **14:** Application Delivery Network (ADN)

  - **15:** Application Delivery Network (ADN) – (SSL Traffic Only)

- **Interval:** Optional. This term should be replaced by an integer that indicates the time interval that will be used to return report data. If the intervalid parameter is not specified, then report data will be returned in five minute intervals. Valid values for this term are:

  - **1:** 5 minute intervals (e.g., 00:00:00, 00:05:00, 00:10:00, etc.)

  - **2:** Hourly intervals (e.g., 00:00:00, 01:00:00, 02:00:00, etc.)

  - **3:** Daily intervals (e.g., 2012-11-01T00:00:00, 2012-11-02T00:00:00, 2012-11-03T00:00:00, etc.)

- **POPs:** Optional. You can choose to limit report data to one or more POPs.

  - **All POPs:** If you would like to generate report data for all POPs, then you should not include "&pops=*POPs* " parameter in the request.

  - **POP-Specific Report:** Replace the term *POPs* with a comma-delimited list of the desired POPs (e.g., lax,dca,mia). Please refer to the **Appendix D: POP Listing** for a listing of POP codes.

- **RegionID:** Optional. You can choose to limit report data by region. Use the Get Billing Regions operation to retrieve a listing of regions and their IDs. If the regionid parameter is not specified, then report data for all regions will be returned.

Important: Specifying a time that falls in between the time interval specified for this operation (e.g., 00:04:59) will retrieve all data associated with that time interval (e.g., 00:00:00 – 00:04:59).

Important: The pops and regionid parameters are mutually exclusive. Specifying both parameters will result in an error.

Note: The specified time interval cannot exceed 45 days.

Note: The time portion (i.e., *hh*:*mm*:*ss*) of the StartDateTime and EndDateTime request parameters is optional. If a specific time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/bytestransferred /interval?begindate=*StartDateTime*&enddate=*EndDateTime*&mediatypeid=*Platform* &intervalid=*Interval*&pops=*POPs*&regionid=*RegionID*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements.

Name	Description
AN	A string that identifies a customer by its system-defined account number.

Name	Description
MediaTypeId	An integer that identifies the platform for which statistics are being reported. Valid values for this parameter are: • **2:** Flash Media Streaming • **3:** HTTP Large • **7:** HTTP Large (SSL Traffic Only) • **8:** HTTP Small • **9:** HTTP Small (SSL Traffic Only) • **14:** Application Delivery Network (ADN) • **15:** Application Delivery Network (ADN) – (SSL Traffic Only)
Data	This response element contains a set of time slices that report the amount of data transferred over the specified platform and time period. The number and frequency of time slices is determined by the intervalid request parameter. **Note:** If a platform is not specified in the request URI, then an instance of this response element will be returned for each platform. This will occur regardless of whether CDN activity took place for that platform.
DataTransferred	Encapsulates the report data returned for a specific platform and time interval. **Note:** In JSON, this response element is indicated as "{ … }." **Note:** This response element is repeated until the entire time period indicated in the request URI has been covered.
DateTimeSlice	A string that identifies a time slice by its start date and time. This response element indicates this start date and time using the following format: *YYYY-MM-DD hh:mm*.
Bytes	An integer that indicates the number of bytes that were transferred during a specific time slice for the specified platform. This value only includes traffic that met the criteria specified in the GET request.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/bytestransferred/interval?begindat
e=2012-10-01&enddate=2012-10-01T05:00:00&mediatypeid=3&intervalid=2 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 512


[{
            "AN" : "0001",
            "MediaTypeId" : 3,
            "Data" : [{
                        "DateTimeSlice" : "2012-10-01 00:00",
                        "Bytes" : 516514354
                }, {
                        "DateTimeSlice" : "2012-10-01 01:00",
                        "Bytes" : 465465452
                }, {
                        "DateTimeSlice" : "2012-10-01 02:00",
                        "Bytes" : 688465452
                }, {
                        "DateTimeSlice" : "2012-10-01 03:00",
                        "Bytes" : 789456321
                }, {
                        "DateTimeSlice" : "2012-10-01 04:00",
                        "Bytes" : 623845975
                }, {
                        "DateTimeSlice" : "2012-10-01 05:00",
                        "Bytes" : 689746521
                }
            ]
        }
]
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/bytestransferred/interval?begindat
e=2012-10-01&enddate=2012-10-01T05:00:00&mediatypeid=3&intervalid=2 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 1177
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfCustomerDataTransferredAPI xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <CustomerDataTransferredAPI>
            <AN>0001</AN>
            <MediaTypeId>3</MediaTypeId>
            <Data>
              <DataTransferred>
                <DateTimeSlice>2012-10-01 00:00</DateTimeSlice>
                <Bytes>516514354</Bytes>
              </DataTransferred>
              <DataTransferred>
                <DateTimeSlice>2012-10-01 01:00</DateTimeSlice>
                <Bytes>465465452</Bytes>
              </DataTransferred>
              <DataTransferred>
                <DateTimeSlice>2012-10-01 02:00</DateTimeSlice>
                <Bytes>688465452</Bytes>
              </DataTransferred>
              <DataTransferred>
                <DateTimeSlice>2012-10-01 03:00</DateTimeSlice>
                <Bytes>789456321</Bytes>
              </DataTransferred>
```

```
            <DataTransferred>
                <DateTimeSlice>2012-10-01 04:00</DateTimeSlice>
                <Bytes>623845975</Bytes>
            </DataTransferred>
            <DataTransferred>
                <DateTimeSlice>2012-10-01 05:00</DateTimeSlice>
                <Bytes>689746521</Bytes>
            </DataTransferred>
        </Data>
    </CustomerDataTransferredAPI>
</ArrayOfCustomerDataTransferredAPI>
```

Get Hits by Status Code & Platform

This operation retrieves the hit statistics for each status code returned for content delivered over our CDN. The data returned by this report can be filtered to only include CDN traffic that meets the following criteria:

- Platform

- Date range

Request

A request to retrieve hit statistics is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **Platform:** This term should be replaced by an integer that indicates the platform for which a report will be generated. Valid values for this term are:

    - **0:** All Platforms

    - **2:** Flash Media Streaming

    - **3:** HTTP Large

    - **8:** HTTP Small

    - **14:** Application Delivery Network (ADN)

- **StartDateTime:** This term should be replaced by the start date/time for the report. Only activity that completed after the specified date/time will be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

- **EndDateTime:** This term should be replaced by the end date/time for the report. Activity that completed after the specified date/time will be excluded from the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

Important: Specifying a time that falls in between a one hour time interval (e.g., 00:00:01) will retrieve all data associated with that time interval (e.g., 00:00:00 – 00:59:59).

Note: The time portion (i.e., *hh*:*mm*:*ss*) of the StartDateTime and EndDateTime request parameters is optional. If a specific time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/media/ *Platform*/hits?begindate=*StartDateTime*&enddate=*EndDateTime*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each status code.

Name	Description
Description	A string that identifies a status code by its description (e.g., OK, Forbidden, Not Found, etc.)

Name	Description
HitPercentage	A decimal that indicates the percentage of requests that resulted in the specified status code over the given time period & platform.
Hits	An integer that indicates the number of requests that resulted in the specified status code over the given time period & platform.
StatusCode	An integer that identifies a status code (200, 403, 404, etc.).

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/reporting/customers/0001/media/3/hits?begindate=2013-
06-01&enddate=2013-07-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 487


[{

        "Description" : "",

        "HitPercentage" : 57.96,

        "Hits" : 638045,

        "StatusCode" : 200

    }, {

        "Description" : "",

        "HitPercentage" : 41.36,

        "Hits" : 455247,

        "StatusCode" : 304
```

```
      }, {
              "Description" : "",
              "HitPercentage" : 0.43,
              "Hits" : 4698,
              "StatusCode" : 206
      }, {
              "Description" : "",
              "HitPercentage" : 0.25,
              "Hits" : 2799,
              "StatusCode" : 404
      }, {
              "Description" : "",
              "HitPercentage" : 0,
              "Hits" : 2,
              "StatusCode" : 405
      }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/reporting/customers/0001/media/3/hits?begindate=2013-
06-01&enddate=2013-07-01 HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 767
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfHit xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <Hit>
              <Description/>
              <HitPercentage>57.96</HitPercentage>
```

```xml
                <Hits>638045</Hits>
                <StatusCode>200</StatusCode>
        </Hit>
        <Hit>
                <Description/>
                <HitPercentage>41.36</HitPercentage>
                <Hits>455247</Hits>
                <StatusCode>304</StatusCode>
        </Hit>
        <Hit>
                <Description/>
                <HitPercentage>0.43</HitPercentage>
                <Hits>4698</Hits>
                <StatusCode>206</StatusCode>
        </Hit>
        <Hit>
                <Description/>
                <HitPercentage>0.25</HitPercentage>
                <Hits>2799</Hits>
                <StatusCode>404</StatusCode>
        </Hit>
        <Hit>
                <Description/>
                <HitPercentage>0</HitPercentage>
                <Hits>2</Hits>
                <StatusCode>405</StatusCode>
        </Hit>
</ArrayOfHit>
```

Get Maximum Storage Usage

This operation returns the maximum amount of storage space used on a CDN origin server during the given time period.

Request

A request to retrieve maximum storage space usage is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **StartDateTime:** This term should be replaced by the start date/time for the report. Only activity that took place after the specified date/time will be included in the report. The format for this term is: *YYYY-MM-DD*T*hh:mm:ss*.

- **EndDateTime:** This term should be replaced by the end date/time for the report. Activity that took place after the specified date/time will not be included in the report. The format for this term is: *YYYY-MM-DD*T*hh:mm:ss*.

Note: Keep in mind that time is optional. If time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/maxstorageusage?begindate=*StartDateTime*&enddate=*EndDateTime*

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
UsageResult	A decimal that indicates the highest level of disk space usage (GB) over the given time period.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/maxstorageusage?begindate=2011-06-
01&enddate=2011-07-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 20


{
        "UsageResult" : 85.5

}
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/maxstorageusage?begindate=2011-06-
01&enddate=2011-07-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 163

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT


<UsageResult xmlns="http://www.whitecdn.com/schemas/apiservices/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <UsageResult>85.5</UsageResult>

</UsageResult>
```

Get Traffic Usage

This operation provides traffic usage statistics corresponding to the combination of a particular platform and billing region. The type of billing information returned by this operation, which can either be Data Transferred or Bandwidth Usage, is determined by the Units request parameter. Please choose the billing method that corresponds to the one specified in your contract.

Note: For the purposes of billing, report data is closed on the 3rd of the month. This means that report data for the current month is incomplete until after the third of the next month.

Bandwidth Usage

Bandwidth usage information for the specified platform and billing region over the specified month can be viewed by setting the Units request parameter to 1. This setting will cause this operation to report the amount of data (Megabits) transferred per second during peak usage. This information is useful for viewing whether 95% usage of the bandwidth specified in your contract has been exceeded.

Data Transferred

The total amount of data transferred (GB) for the specified platform and billing region over the specified month can be viewed by setting the Units request parameter to 2.

Request

A request to retrieve billing statistics is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **Platform:** This term should be replaced by an integer that indicates the platform for which a report will be generated. Valid values for this term are:

    - **2:** Flash Media Streaming

    - **3:** HTTP Large

    - **7:** HTTP Large (SSL Traffic Only)

    - **8:** HTTP Small

    - **9:** HTTP Small (SSL Traffic Only)

    - **14:** Application Delivery Network (ADN)

    - **15:** Application Delivery Network (ADN) – (SSL Traffic Only)

- **Region:** This term should be replaced by an integer that indicates the billing region for which a report will be generated. Valid values for this term are defined by the Id return value of the Get Billing Regions operation.

- **Units:** This term should be replaced by an integer that determines whether the UsageResult response element will return bandwidth usage or data transferred statistics. Valid values for this term are:

  - **1:** Megabits per second (Mbps) – Bandwidth Usage

  - **2:** Gigabytes (GB) – Data Transferred

- **BillingMonth:** This term indicates the month for which billing information will be returned. When specifying this option, you must specify the 1st of the desired month (e.g., 2011-06-01). The format for this term is: *YYYY-MM-DD*.

Important: If you specify a date other than the 1st of the month, then the return value will not reflect the usage information for that month.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/media/*Platform*/region/*Region*/units/*Units*/trafficusage?begindate=*BillingMonth*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
UsageResult	A decimal that indicates the total amount of bandwidth usage or data transferred for the specified billing region, platform, and month. The units for this return parameter are determined by the Units request parameter.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/region/0/units/1/trafficus
age?begindate=2011-06-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 21


{

      "UsageResult" : 85.5

}
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/region/0/units/1/trafficus
age?begindate=2011-06-01 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 163
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<UsageResult xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <UsageResult>85.5</UsageResult>
</UsageResult>
```

Custom Reports

This section describes an operation that can be used to retrieve CDN activity statistics for each custom report code.

Note: Custom Reporting operations can only generate reports for CDN activity within the last 18 months.

Get Data Transferred & Hits by Custom Report Codes

This operation retrieves the number of hits and the total amount of data transferred for each custom report code.

Note: A unique custom report code is associated with each edge CNAME for which the custom report capability has been enabled.

Request

A request to retrieve CDN activity for each custom report code is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **Platform:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

    - **2:** Flash Media Streaming

    - **3:** HTTP Large

    - **8:** HTTP Small

    - **14:** Application Delivery Network (ADN)

- **StartDateTime:** This term should be replaced by the start date for the report. Only activity that took place after the specified date will be included in the report. The format for this term is: *YYYY-MM-DD*T*hh:mm:ss*.

- **EndDateTime:** This term should be replaced by the end date for the report. Activity that took place after the specified date will not be included in the report. The format for this term is: *YYYY-MM-DD*T*hh:mm:ss*.

Important: This operation returns data in 1 hour intervals (e.g., 00:00:00, 01:00:00, 02:00:00, etc.). Specifying a time that falls in between a 1 hour interval (e.g., 00:50:05) will include all data associated with that hour (e.g., 00:00:00 – 00:59:59).

Note: The time portion (i.e., *hh:mm:ss*) of the StartDateTime and EndDateTime request parameters is optional. If a specific time is not specified, then a default time (i.e., 00:00:00) will be used.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/media/*Platform*/cnamereportcodes?begindate=*StartDateTime*&enddate=*EndDateTime*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each report code returned by this operation:

Name	Description
Bytes	An integer that indicates the total amount of data transferred (in bytes) for the specified report code.
	Keep in mind that this data is filtered by time period and platform.
Description	A string that provides a description for a report code. The provided information varies according to report code type.
	For example, if an edge CNAME has been associated with a report code, then this response element will report the name of that edge CNAME.
Hits	An integer that indicates the total number of hits that occurred for the specified report code.
	Keep in mind that this data is filtered by time period and platform.
ReportCode	An integer that identifies a report code by its system-defined ID.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/cnamereportcodes?begindate
=2012-11-01&enddate=2012-11-15 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 248
```

```
[{
            "Bytes" : 55515129610593,
            "Description" : "www.edgecname1.com",
            "Hits" : 21873348,
            "ReportCode" : 10042
    }, {
            "Bytes" : 45792193956438,
            "Description" : "www.edgecname2.com",
            "Hits" : 34243537,
            "ReportCode" : 10044
    }
]
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/cnamereportcodes?begindate
=2012-11-01&enddate=2012-11-15 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 549

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfCnameReportCodes xmlns="http://www.whitecdn.com/schemas/apiservices/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <CnameReportCodes>

            <Bytes>55515129610593</Bytes>

            <Description>www.edgecname1.com</Description>

            <Hits>21873348</Hits>

            <ReportCode>10001</ReportCode>

        </CnameReportCodes>

        <CnameReportCodes>
```

```
        <Bytes>45792193956438</Bytes>

        <Description>www.edgecname2.com</Description>

        <Hits>34243537</Hits>

        <ReportCode>10002</ReportCode>

    </CnameReportCodes>

</ArrayOfCnameReportCodes>
```

Advanced Content Analytics

This section describes the operations that leverage the Advanced Content Analytics module to retrieve data about activity on your CDN account. The Advanced Content Analytics module must be purchased separately. These operations will only be available on accounts on which this feature has been enabled.

Note: Advanced Content Analytics operations can only generate reports for CDN activity within the last 90 days.

Get Asset Activity

This operation retrieves statistics for the top 250 requested assets over a specific time period.

Request

A request to retrieve statistics for the top 250 requested assets is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **Platform:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

    - **2:** Flash Media Streaming

    - **3:** HTTP Large

    - **14:** Application Delivery Network (ADN)

- **StartDateTime:** This term should be replaced by the start date for the report. Only activity that took place after the specified date will be included in the report. The format for this term is: *YYYY-MM-DDThh:mm:ss*.

- **EndDateTime:** This term should be replaced by the end date for the report. Activity that took place after the specified date will not be included in the report. The format for this term is: *YYYY-MM-DDThh:mm:ss*.

Important: This operation returns data in 1 day intervals. This means that this report will return data for the specified time period including the specified start and end date. This will occur regardless of whether a time value was specified. This means that time is optional and irrelevant for this operation.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/media/*Platform*/filestats?begindate=*StartDateTime*&enddate=*EndDateTime*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each asset returned by this operation:

Name	Description
DataTransferred	An integer that indicates the total amount of data transferred (in bytes) for the specified asset over the specified time period.
DataTransferredPercentage	A decimal value that indicates the data transferred percentage for the specified asset. Keep in mind that this percentage is calculated from the total amount of data transferred for all assets included in this report over the specified time period.

Name	Description
Duration	A decimal value that indicates the average amount of time, in seconds, that it took our CDN to serve an asset to a client.
Hits	An integer that indicates the total number of hits for the specified asset over the specified time period.
HitsPercent	A decimal value that indicates the hits percentage for the specified asset. Keep in mind that this percentage is calculated from the total hits for all assets included in this report over the specified time period.
Path	A string that identifies the relative path to the asset for which statistical information is returned. This path starts directly after the hostname.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/filestats?begindate=2011-
06-01&enddate=2011-06-02 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 654
```

```
[{
            "DataTransferred" : 29731911100,
            "DataTransferredPercentage" : 43.7475,
            "Duration": 0.5021,
            "Hits" : 70286037,
            "HitsPercent" : 81.1283,
            "Path" : "\/000001\/2011\/main.html"
     }, {
            "DataTransferred" : 7161857970,
            "DataTransferredPercentage" : 10.5428,
            "Duration": 0.5224,
            "Hits" : 15966987,
            "HitsPercent" : 18.43,
            "Path" : "\/000001\/2011\/Demo01.ppt"
     }, {
            "DataTransferred" : 1954210120,
            "DataTransferredPercentage" : 2.8679,
            "Duration": 0.5226,
            "Hits" : 176268,
            "HitsPercent" : 0.2035,
            "Path" : "\/000001\/2011\/Revenue.xls"
     }, {
            "DataTransferred" : 0,
            "DataTransferredPercentage" : 0,
            "Duration": 0.5053,
            "Hits" : 1,
            "HitsPercent" : 0,
            "Path" : "\/000001\/2011\/icon.gif"
     }
]
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/filestats?begindate=2011-
06-01&enddate=2011-06-02 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 1101
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<ArrayOfFile xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <File>
          <DataTransferred>29731911100</DataTransferred>
          <DataTransferredPercentage>43.7475</DataTransferredPercentage>
          <Duration>0.5021</Duration>
          <Hits>70286037</Hits>
          <HitsPercent>81.1283</HitsPercent>
          <Path>/000001/2011/main.html</Path>
      </File>
      <File>
          <DataTransferred>7161857970</DataTransferred>
          <DataTransferredPercentage>10.5428</DataTransferredPercentage>
          <Duration>0.5224</Duration>
          <Hits>15966987</Hits>
          <HitsPercent>18.43</HitsPercent>
          <Path>/000001/2011/Demo01.ppt</Path>
      </File>
      <File>
          <DataTransferred>1954210120</DataTransferred>
          <DataTransferredPercentage>2.8679</DataTransferredPercentage>
          <Duration>0.5226</Duration>
          <Hits>176268</Hits>
          <HitsPercent>0.2035</HitsPercent>
          <Path>/000001/2011/Revenue.xls</Path>
      </File>
      <File>
          <DataTransferred>0</DataTransferred>
          <DataTransferredPercentage>0</DataTransferredPercentage>
          <Duration>0.5053</Duration>
          <Hits>1</Hits>
          <HitsPercent>0</HitsPercent>
```

```
         <Path>/000001/2011/icon.gif</Path>
      </File>
</ArrayOfFile>
```

Get Directory Activity

This operation retrieves statistics for the top 250 requested directories over a specific time period.

Request

A request to retrieve directory statistics is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **Platform:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

    - **2:** Flash Media Streaming

    - **3:** HTTP Large

    - **14:** Application Delivery Network (ADN)

- **StartDateTime:** This term should be replaced by the start date for the report. Only activity that took place after the specified date will be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

- **EndDateTime:** This term should be replaced by the end date for the report. Activity that took place after the specified date will not be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

Important: This operation returns data in 1 day intervals. This means that this report will return data for the specified time period including the specified start and end date. This will occur regardless of whether a time value was specified. This means that time is optional and irrelevant for this operation.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/media/ *Platform*/directorystats?begindate=*StartDateTime*&enddate=*EndDateTime*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each directory returned by this operation:

Name	Description
DataTransferred	An integer that indicates the total amount of data transferred (in bytes) for the specified directory over the specified time period.
DataTransferredPercent	A decimal value that indicates the data transferred percentage for the specified directory. Keep in mind that this percentage is calculated from the total amount of data transferred for all directories included in this report over the specified period of time.
Duration	A decimal value that indicates the average amount of time, in seconds, that it took our CDN to serve an asset to a client.
FullDirectoryPath	A string that identifies the relative path to the directory for which statistical information is returned. This path starts directly after the hostname.
Hits	An integer that indicates the total number of hits for the specified directory over the specified time period.
HitsPercent	A decimal value that indicates the hits percentage for the specified directory. Keep in mind that this percentage is calculated from the total hits for all directories included in this report over the specified time period.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/directorystats?begindate=2
011-06-01&enddate=2011-06-02 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 534


[{
            "DataTransferred" : 66872640800,
            "DataTransferredPercent" : 98.381,
            "Duration" : 0.5012,
            "FullDirectoryPath" : "\/000001\/HTML\/",
            "Hits" : 86471638,
            "HitsPercent" : 99.8107
    }, {
            "DataTransferred" : 955630223,
            "DataTransferredPercent" : 1.4,
            "Duration" : 0.5232,
            "FullDirectoryPath" : "\/000001\/HTML\/Resources\/",
            "Hits" : 83859,
            "HitsPercent" : 0.0968
    }, {
            "DataTransferred" : 21474837,
            "DataTransferredPercent" : 0.032,
            "Duration" : 0.5235,
            "FullDirectoryPath" : "\/000001\/HTML\/",
            "Hits" : 53059,
            "HitsPercent" : 0.0612
```

```
        }
]
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/directorystats?begindate=2
011-06-01&enddate=2011-06-02 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 947

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfDirectory xmlns="http://www.whitecdn.com/schemas/apiservices/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <Directory>

             <DataTransferred>955630223</DataTransferred>

             <DataTransferredPercent>98.381</DataTransferredPercent>

             <Duration>0.5012</Duration>

             <FullDirectoryPath>/000001/HTML/</FullDirectoryPath>

             <Hits>86471638</Hits>

             <HitsPercent>99.8107</HitsPercent>

        </Directory>

        <Directory>

             <DataTransferred>955630223</DataTransferred>

             <DataTransferredPercent>1.4</DataTransferredPercent>

             <Duration>0.5232</Duration>

             <FullDirectoryPath>/000001/HTML/Resources/</FullDirectoryPath>

             <Hits>83859</Hits>

             <HitsPercent>0.0968</HitsPercent>

        </Directory>

        <Directory>
```

```
            <DataTransferred>21474837</DataTransferred>

            <DataTransferredPercent>0.032</DataTransferredPercent>

            <Duration>0.5235</Duration>

            <FullDirectoryPath>/000001/HTML/</FullDirectoryPath>

            <Hits>53059</Hits>

            <HitsPercent>0.0612</HitsPercent>

        </Directory>

</ArrayOfDirectory>
```

Get Download Activity

This operation retrieves download statistics for the top 250 downloaded assets over a specific time period.

Please keep in mind the following information when generating this report:

- This report only provides information for assets larger than 50 KB.

- Reports generated for accounts on which compression has been enabled may be inaccurate, since the logged file size may be larger than the total bytes transferred.

- This report may not accurately represent streaming video downloads, since users may seek to different parts of the video.

Request

A request to retrieve download statistics is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number.

- **Platform:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

    - **2:** Flash Media Streaming

    - **3:** HTTP Large

    - **14:** Application Delivery Network (ADN)

- **StartDateTime:** This term should be replaced by the start date for the report. Only activity that took place after the specified date will be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

- **EndDateTime:** This term should be replaced by the end date for the report. Activity that took place after the specified date will not be included in the report. The format for this term is: *YYYY-MM-DD*T*hh*:*mm*:*ss*.

Important: This operation returns data in 1 day intervals. This means that this report will return data for the specified time period including the specified start and end date. This will occur regardless of whether a time value was specified. This means that time is optional and irrelevant for this operation.

Note: For more information on date/time format, please refer to **Appendix B: Report Date/Time Format**.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/reporting/customers/*AccountNumber*/ media/*Platform*/completedownloads?begindate=*StartDateTime*&end date=*EndDateTime*

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each asset returned by this operation:

Name	Description
CompleteDownloadPercent	A decimal that indicates the percentage that the entire asset was downloaded. A decimal value is not reported for whole numbers (e.g., 100).
CompleteDownloads	An integer that indicates the total number of times that the entire asset was downloaded.
DownloadAttempts	An integer that indicates the total number of attempts to download the specified asset.
File	A string that indicates the relative path to an asset. This path starts directly after the hostname.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/completedownloads?begindat
e=2011-06-01&enddate=2011-06-02 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 534


[{

            "CompleteDownloadPercent" : 81.33,

            "CompleteDownloads" : 4952436300,

            "DownloadAttempts" : 4952436298,

            "File" : "\/000001\/2011\/Main.html"

      }, {
```

```
            "CompleteDownloadPercent" : 18.33,

            "CompleteDownloads" : 1116424040,

            "DownloadAttempts" : 1116424040,

            "File" : "\/000001\/Resources\/Video01.flv"

    }, {

            "CompleteDownloadPercent" : 0.16,

            "CompleteDownloads" : 9525486,

            "DownloadAttempts" : 9525474,

            "File" : "\/000001\/Resources\/Border.gif"

    }

]
```

XML

A sample XML request is provided below.

```
GET
https://api.edgecast.com/v2/reporting/customers/0001/media/3/completedownloads?begindat
e=2011-06-01&enddate=2011-06-02 HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/xml

Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Length: 947

Content-Type: application/xml; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT


<ArrayOfDownload xmlns="http://www.whitecdn.com/schemas/apiservices/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance">

        <Download>

          <CompleteDownloadPercent>81.33</CompleteDownloadPercent>

          <CompleteDownloads>4952436300</CompleteDownloads>

          <DownloadAttempts>4952436298</DownloadAttempts>

          <File>/000001/2011/Main.html</File>

        </Download>

        <Download>

          <CompleteDownloadPercent>18.33</CompleteDownloadPercent>
```

```xml
            <CompleteDownloads>1116424040</CompleteDownloads>
            <DownloadAttempts>1116424040</DownloadAttempts>
            <File>/000001/Resources/Video01.flv</File>
        </Download>
        <Download>
            <CompleteDownloadPercent>0.16</CompleteDownloadPercent>
            <CompleteDownloads>9525486</CompleteDownloads>
            <DownloadAttempts>9525474</DownloadAttempts>
            <File>/000001/Resources/Border.gif</File>
    </Download>
</ArrayOfDownload>
```

Real-Time Statistics

Real-Time Statistics Operations

Real-Time Statistics operations allow you to view statistical information that reflects the current level of CDN activity for your account. This information provides a snapshot of usage information for your CDN account.

A list of operations that provide Real-Time Statistics can be found below.

Operation Name	Description
Get Current Bandwidth	Reports the current amount of bandwidth usage for the specified platform.
Get Current Cache Status Statistics	Reports the total number of current requests on the specified platform by cache status.
Get Current Status Code Statistics	Reports the total number of current requests on the specified platform by HTTP status code.
Get Current Streams	Reports statistical information about each stream that is currently being delivered to your customers.
Get Current Total Connections	Reports the total number of requests that are currently being handled on the specified platform.

Calculating Real-Time Statistics

Each Real-Time Statistics metric is calculated as follows:

1. Each server provides statistical information every minute.

2. Upon requesting a particular metric, the average value on a per second basis is calculated as indicated below.

   a. Sum the last value provided by each server.

   b. Divide the above sum by 60.

Get Current Bandwidth

This operation allows you to view the current amount of bandwidth usage on a per platform basis.

Request

A request for the current amount of bandwidth usage is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **Platform:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

  - **2:** Flash Media Streaming

  - **3:** HTTP Large

  - **8:** HTTP Small

  - **14:** Application Delivery Network (ADN)

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/realtimestats/customers/*AccountNumber*/media/*Platform*/bandwidth

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers
This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Result	A decimal value that indicates the current amount of bandwidth usage for your account on the specified platform. This value is reported in bits per second.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/realtimestats/customers/0001/media/3/bandwidth HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 31


{
        "Result" : 8059050.365432
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/realtimestats/customers/0001/media/3/bandwidth HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 164
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT


<Bandwidth xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
       <Result>8059050.365432</Result>
</Bandwidth>
```

Get Current Cache Status Statistics

This operation provides a breakdown of the cache statuses currently being returned for requests to your CDN account.

Request

A request for cache status statistics is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **Platform:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

  - **3:** HTTP Large

  - **8:** HTTP Small

  - **14:** Application Delivery Network (ADN)

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/realtimestats/customers/*AccountNumber*/media/*Platform*/cachestatus

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each cache status returned by this operation:

Name	Description
CacheStatus	A string that indicates the name of the cache status for which statistical information will be returned.
Connections	An integer that indicates the total number of active connections per second that resulted in the specified status.

A brief description is provided below for each cache status.

Cache Status	Description
CONFIG_NOCACHE	This status is reported when an asset's Cache-Control and Expires headers indicate that it should not be cached on a POP or by the HTTP client. As a result, the asset was served from the origin server.
NONE	This status indicates that a cache content freshness check was not performed. This check is skipped when Token-Based Authentication denies a request or when an HTTP request method is used that bypasses cache (e.g., PUT, DELETE, etc).
TCP_CLIENT_REFRESH_MISS	This status is reported when an HTTP client (e.g., browser) forces an edge server to retrieve a new version of a stale asset from the origin server.
	By default, our servers prevent an HTTP client from forcing our edge servers to retrieve a new version of the asset from the origin server. However, this behavior can be overridden through the use of HTTP Rules Engine.

Cache Status	Description
TCP_EXPIRED_HIT	This status is reported when a request that targeted an asset with an expired time to live (TTL), such as when the asset's max-age has expired, was served directly from the POP to the client. An expired request typically results in a revalidation request to the origin server. In order for a TCP_EXPIRED_HIT to occur, the origin server must indicate that a newer version of the asset does not exist. This type of situation will typically update that asset's Cache-Control and Expires headers.
TCP_EXPIRED_MISS	This status is reported when a newer version of an expired cached asset is served from the POP to the client. If the TTL for a cached asset has expired (e.g., expired max-age), then a check will be performed on the origin server for a newer version of that asset. If an updated version is found, then it will be served to the client instead of the cached version. If the origin server or HTTP Rules Engine does not specifically prevent that asset from being cached, then it will be cached on the POP closest to the client that requested it.
TCP_HIT	This status is reported when a request is served directly from the POP to the client. An asset is immediately served from a POP when it is cached on the POP closest to the client and it has a valid TTL. TTL is determined by the Cache-Control: s-maxage, Cache-Control: max-age, and Expires headers.
TCP_MISS	This status indicates that a cached version of the requested asset was not found on the POP closest to the client. The asset will be requested from either an origin server or an origin shield server and then served to the client. If the origin server or HTTP Rules Engine does not specifically prevent that asset from being cached, then it will be cached on the POP closest to the client that requested it.
UNCACHEABLE	This status is reported when a request results in an error (e.g., 403 Forbidden, 404 Not Found, etc.).

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/realtimestats/customers/0001/media/3/cachestatus
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 492

[{
            "CacheStatus" : "TCP_HIT",
            "Connections" : 3550
     }, {
            "CacheStatus" : "TCP_EXPIRED_HIT",
            "Connections" : 1525
     }, {
            "CacheStatus" : "TCP_MISS",
            "Connections" : 125
     }, {
            "CacheStatus" : "TCP_EXPIRED_MISS",
            "Connections" : 0
     }, {
            "CacheStatus" : "TCP_CLIENT_REFRESH_MISS",
            "Connections" : 0
     }, {
            "CacheStatus" : "NONE",
            "Connections" : 0
     }, {
            "CacheStatus" : "CONFIG_NOCACHE",
            "Connections" : 0
```

```
    }, {
            "CacheStatus" : "UNCACHEABLE",
            "Connections" : 0
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/realtimestats/customers/0001/media/3/cachestatus
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 1183
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<ArrayOfRealTimeCacheStatus xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <RealTimeCacheStatus>
            <CacheStatus>TCP_HIT</CacheStatus>
            <Connections>3550</Connections>
        </RealTimeCacheStatus>
        <RealTimeCacheStatus>
            <CacheStatus>TCP_EXPIRED_HIT</CacheStatus>
            <Connections>1525</Connections>
        </RealTimeCacheStatus>
        <RealTimeCacheStatus>
            <CacheStatus>TCP_MISS</CacheStatus>
            <Connections>125</Connections>
        </RealTimeCacheStatus>
        <RealTimeCacheStatus>
            <CacheStatus>TCP_EXPIRED_MISS</CacheStatus>
            <Connections>0</Connections>
```

```
        </RealTimeCacheStatus>
        <RealTimeCacheStatus>
            <CacheStatus>TCP_CLIENT_REFRESH_MISS</CacheStatus>
            <Connections>0</Connections>
        </RealTimeCacheStatus>
        <RealTimeCacheStatus>
            <CacheStatus>NONE</CacheStatus>
            <Connections>0</Connections>
        </RealTimeCacheStatus>
        <RealTimeCacheStatus>
            <CacheStatus>CONFIG_NOCACHE</CacheStatus>
            <Connections>0</Connections>
        </RealTimeCacheStatus>
        <RealTimeCacheStatus>
            <CacheStatus>UNCACHEABLE</CacheStatus>
            <Connections>0</Connections>
        </RealTimeCacheStatus>
</ArrayOfRealTimeCacheStatus>
```

Get Current Status Codes Statistics

This operation provides a breakdown of the HTTP status codes currently being returned for requests to your CDN account.

Request

A request for status codes statistics is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **Platform:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

    - **3:** HTTP Large

    - **8:** HTTP Small

    - **14:** Application Delivery Network (ADN)

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/realtimestats/customers/*AccountNumber*/media/*Platform*/statuscode

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each status code returned by this operation:

Name	Description
Connections	An integer that indicates the total number of active connections per second that resulted in the specified status code.
StatusCode	A string that indicates the type of status code for which statistical information will be returned.

A brief description is provided below for each type of status code.

Name	Description
2xx	A 2xx status code represents any HTTP status code in the 200 range (e.g., 200, 201, 202, etc.). This type of status code indicates that the request was successfully delivered to the client.
304	This status code indicates that the requested asset has not been modified since it was last retrieved by the HTTP client.
3xx	A 3xx status code represents any HTTP status code in the 300 range (e.g., 300, 301, 302, etc.). This option excludes occurrences of 304 status codes. This type of status code indicates that the request resulted in a redirection.
403	This status code indicates that the request was deemed unauthorized. One possible cause for this status code is when an unauthorized user requests an asset protected by Token-Based Authentication.

Name	Description
404	This status code indicates that the requested asset could not be found.
4xx	A 4xx status code represents any HTTP status code in the 400 range (e.g., 400, 401, 402, 405, etc.). This option excludes occurrences of 403 and 404 status codes. This status code indicates that the requested asset was not delivered to the client.
5xx	A 5xx status code represents any HTTP status code in the 500 range (e.g., 500, 501, 502, etc.).
Other	This category is a catch-all for all status codes not covered by any of the above status codes.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/realtimestats/customers/0001/media/3/statuscode
HTTP/1.1

Authorization: TOK:12345678-1234-1234-1234-1234567890ab

Accept: application/json

Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK

Cache-Control: private

Content-Type: application/json; charset=utf-8

Date: Mon, 30 May 2011 12:00:00 GMT

Content-Length: 407


[{

        "Connections" : 5600,

        "StatusCode" : "2xx"

    }, {

        "Connections" : 0,

        "StatusCode" : "304"

    }, {
```

```
            "Connections" : 0,
            "StatusCode" : "3xx"
    }, {
            "Connections" : 0,
            "StatusCode" : "403"
    }, {
            "Connections" : 0,
            "StatusCode" : "404"
    }, {
            "Connections" : 0,
            "StatusCode" : "4xx"
    }, {
            "Connections" : 0,
            "StatusCode" : "5xx"
    }, {
            "Connections" : 0,
            "StatusCode" : "other"
    }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/realtimestats/customers/0001/media/3/statuscode
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 1072
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<ArrayOfRealTimeStatusCode xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <RealTimeStatusCode>
```

```
            <Connections>5600</Connections>
            <StatusCode>2xx</StatusCode>
        </RealTimeStatusCode>
        <RealTimeStatusCode>
            <Connections>0</Connections>
            <StatusCode>304</StatusCode>
        </RealTimeStatusCode>
        <RealTimeStatusCode>
            <Connections>0</Connections>
            <StatusCode>3xx</StatusCode>
        </RealTimeStatusCode>
        <RealTimeStatusCode>
            <Connections>0</Connections>
            <StatusCode>403</StatusCode>
        </RealTimeStatusCode>
        <RealTimeStatusCode>
            <Connections>0</Connections>
            <StatusCode>404</StatusCode>
        </RealTimeStatusCode>
        <RealTimeStatusCode>
            <Connections>0</Connections>
            <StatusCode>4xx</StatusCode>
        </RealTimeStatusCode>
        <RealTimeStatusCode>
            <Connections>0</Connections>
            <StatusCode>5xx</StatusCode>
        </RealTimeStatusCode>
        <RealTimeStatusCode>
            <Connections>0</Connections>
            <StatusCode>other</StatusCode>
        </RealTimeStatusCode>
</ArrayOfRealTimeStatusCode>
```

Get Current Streams

This operation allows you to view statistics for content currently streaming on the Flash Media Streaming platform.

Request

A request for streaming statistics is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/realtimestats/customers/*AccountNumber*/media/2 /streams

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response elements for each stream returned by this operation:

Name	Description
Bandwidth	A string that indicates the amount of bandwidth currently in use for the specified stream. The units for this response element are included in the return value (e.g., Mbps).

Name	Description
BitsPerSecond	An integer that indicates the amount of bandwidth currently in use for the specified stream. This response element is reported in bits per second.
Connections	An integer that indicates the total number of connections per second that have been established to the specified stream.
StreamName	A string that indicates the relative path to the stream. This path starts with the content access point. A content access point appears directly after the hostname and consists of an origin identifier and a customer account number (e.g., 20*xxxx*).
StreamType	A string that indicates whether statistics are being returned for a live event (i.e., Live) or on-demand content (i.e., On-Demand).

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/realtimestats/customers/0001/media/2/streams HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 360

[{
          "Bandwidth" : "23.84 Mbps",
          "BitsPerSecond" : 23836709,
          "Connections" : 21113,
          "StreamName" : "000001\/Videos\/MMPresentation01.flv",
          "StreamType" : "On-Demand"
```

```
        }, {
                "Bandwidth" : "36.84 Mbps",
                "BitsPerSecond" : 36784012,
                "Connections" : 3569,
                "StreamName" : "200001\/Live\/StreamName.flv",
                "StreamType" : "Live"
        }
]
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/realtimestats/customers/0001/media/2/streams HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 683
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<ArrayOfRealTimeStream xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <RealTimeStream>
            <Bandwidth>23.84 Mbps</Bandwidth>
            <BitsPerSecond>23836709</BitsPerSecond>
            <Connections>21113</Connections>
            <StreamName>000001/Videos/MMPresentation01.flv</StreamName>
            <StreamType>On-Demand</StreamType>
        </RealTimeStream>
        <RealTimeStream>
            <Bandwidth>36.84 Mbps</Bandwidth>
            <BitsPerSecond>36784012</BitsPerSecond>
            <Connections>3569</Connections>
            <StreamName>200001/Live/StreamName.flv</StreamName>
            <StreamType>Live</StreamType>
```

```
        </RealTimeStream>
</ArrayOfRealTimeStream>
```

Get Current Total Connections

This operation allows you to view the total active connections per second on the specified platform. For the purposes of this operation, a connection is initiated when the client requests content through the CDN. The connection remains open or active as long as the requested content is being delivered to the client. After which, the connection is closed.

Request

A request to find out the total number of connections per second is described below. When submitting this request, you will need to define the following terms:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

- **Platform:** This term should be replaced by the ID associated with the desired platform. Valid values for this parameter are listed below.

  - **2:** Flash Media Streaming

  - **3:** HTTP Large

  - **8:** HTTP Small

  - **14:** Application Delivery Network (ADN)

HTTP Method	Request URI
GET	https://api.edgecast.com/v2/realtimestats/customers/*AccountNumber*/media/*Platform*/connections

Request Headers
This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body
This operation does not have request body parameters.

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code
The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation contains the following response element:

Name	Description
Result	A decimal that indicates the total number of connections per second on the specified platform.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
GET https://api.edgecast.com/v2/realtimestats/customers/0001/media/3/connections
HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Host: api.edgecast.com
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
Content-Length: 35


{
        "Result" : 21099.000994
}
```

XML

A sample XML request is provided below.

```
GET https://api.edgecast.com/v2/realtimestats/customers/0001/media/3/connections
HTTP/1.1
```

```
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Host: api.edgecast.com
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 567
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT

<Connection xmlns="http://www.whitecdn.com/schemas/apiservices/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <Result>21099.000994</Result>
</Connection>
```

Appendix A

Purge Syntax

The MediaPath request parameter of the Purge Content operation allows you to specify an asset, a set of assets, or a location that will be purged from all of our edge servers. The scope for the purge action is determined by the syntax used to specify the asset or location. This syntax is explained below.

Important: An asset or a location can only be specified using a CDN or edge CNAME URL.

Note: A URL containing a dollar sign symbol (i.e., $) cannot be added to the purge queue for the Flash Media Streaming platform. The dollar sign symbol must be encoded as "%24" before such a URL can be added to the queue.

Purging an Individual Asset

An individual asset can be purged by specifying a CDN or an edge CNAME URL that points to it. Keep in mind that this type of purge request will also purge all query string variations of the specified asset at that location. Sample URLs are provided below.

- **Sample Edge CNAME URL (HTTP platforms):**
  http://cdn.sampleurl.com/resources/homepage.html

- **Sample Edge CNAME URL (Flash Media Streaming platform):**
  rtmp://cdn.sampleurl.com/videos/presentation.flv

- **Sample CDN URL (HTTP Large platform):**
  http://wpc.0001.edgecastcdn.net/000001/resources/homepage.html

Purging a Set of Assets

A pattern can be defined through the use of asterisks to determine the assets that will be purged from the specified directory. Each asterisk represents one or more characters. If you would like to purge a particular file type, then you can simply append an asterisk, a period, and the desired file name extension to the purge URL (e.g., http://cdn.sampleurl.com/*.html).

A list of sample purges is provided below.

Example	Description
http://cdn.sampleurl.com/folder01/*.*	This sample purge request will purge the entire contents of the directory called "folder01." This purge request will not be performed recursively.
http://cdn.sampleurl.com/folder01/*.css	This sample purge request will purge all CSS assets from the directory called "folder01."
http://cdn.sampleurl.com/folder01/a*.ht*	This sample purge request will purge all assets that start with the letter "a" and whose file name extension starts with "ht" (e.g., activity.html).

Note: Although the above sample URLs are specific to HTTP platforms, the same syntax (e.g., *.*) is supported on the Flash Media Streaming platform.

Recursive Purging

We have already seen how to purge the contents of a folder through the use of wildcards (i.e., *.*). If you would prefer to purge a directory and all of its subfolders, then you should specify a purge request for that directory and append an asterisk. Sample purge requests are provided below.

- **HTTP platforms:** http://cdn.sampleurl.com/folder/*

- **Flash Media Streaming platform:** rtmp://cdn.sampleurl.com/folder/*

Note: An asterisk cannot be used to specify a folder pattern. It can only be used as specified above or when defining a pattern that will be used to define the set of assets that will be purged (e.g., /*.css).

Purging Query String Variations of a Cached Asset

If your file naming structure is based on query strings, you can customize how query string variations of that asset are handled. Several examples on how you can handle query string variations of an asset are provided below.

Sample Purge Request	Description
http://cdn.sampleurl.com/folder/sampleasset.htm	Simply specifying a file name will purge the original asset and all of its query string variations.
http://cdn.sampleurl.com/folder/sampleasset.htm?	A file name followed by a question mark (?) indicates that only the specified asset will be purged. All query string variations of that asset will not be purged.

Sample Purge Request	Description
http://cdn.sampleurl.com/folder/sampleasset.htm?*Query*	A file name followed by a question mark and a query string (?SampleQuery) indicates that only the specified asset with that particular query string will be purged. The original asset and all other query string variations of that asset will not be purged.

Purging a Directory's Default Cached Asset

The default asset cached for a particular directory can be purged through the use of the syntax described below.

Note: This syntax is not applicable to the Flash Media Streaming platform.

Sample Purge Request	Description
http://cdn.sampleurl.com/folder/	The default cached asset for a directory, along with all of its query string variations, can be purged by specifying a CDN or edge CNAME URL to the desired directory.
http://cdn.sampleurl.com/folder/?	The default cached asset for a directory, excluding query string variations, can be purged by specifying a CDN or edge CNAME URL to the desired directory and appending a question mark.
http://cdn.sampleurl.com/folder/?*Query*	A query string variation of the default cached asset can be purged by specifying a CDN or edge CNAME URL to the desired directory and appending the desired query string.

Note: When purging the default asset that was cached for a particular folder, keep in mind that there are certain conditions that may cause an asset other than the default asset for that folder to be purged. For example, specifying "/Folder/" may not be the same as specifying "/folder/index.html" even if "index.html" is the default asset for that folder. A couple of situations under which this would occur are when the specified URL is redirected or if URL rewriting is used.

Appendix B

Report Date/Time Format

Many of the Reporting operations require that you specify a time period for the statistical information that will be returned. When specifying a start or end date, you will need to use one of the following formats:

- **Date:** *YYYY-MM-DD*

- **Date/Time:** *YYYY-MM-DD*T*hh*:*mm*:*ss*

The above "Date" format can be used by any Reporting operation that requires that you specify a start or end date. The above "Date/Time" format can only be used by reports that specifically indicate that time can be specified.

Note: Time (i.e., T*hh*:*mm*:*ss*) is optional. If time is not specified, then a default time (i.e., 00:00:00) will be used.

The variables used for the date and the date/time formats are described below.

- **YYYY:** Represents a year in the Gregorian calendar using a four digit number (e.g., 2011).

- **MM:** Represents a two digit month between 01 (January) and 12 (December).

- **DD:** Represents a two digit day between 01 and 31.

- **T:** Indicates a delimiter between date and time. This delimiter is only required if you would like to specify a time. Keep in mind that time must be specified using 24-hour clock notation in UTC/GMT.

- **hh:** Represents a two digit hour between 00 (midnight) and 23 (11 p.m.).

- **mm:** Represents the number of minutes into the specified hour. Minutes should be specified using two digits between 00 and 59.

- **ss:** Represents the number of seconds into the specified minute. Seconds should be specified using two digits between 00 and 59.

Relationship between Start/End Time and Data Reported

The time period used to generate a report plays an important role in determining the bulk of the CDN activity data that will be reported. However, there is another factor that determines whether additional CDN activity will be included in the reported value. This factor is that start and end date/times are inclusive. In order to understand what this means, you will need to know that data is reported in chunks of time (e.g., 5 minutes, 1 hour, 1 day, etc.). A report will include all of the chunks that fall within the specified time period and the chunks that correspond to the specified start and end date/time. This will occur regardless of whether the specified start and end date/time falls at the start, middle, or end of a chunk of time.

A few key facts about how time chunks affect or interact with report data:

- The amount of time covered by a chunk varies for each type of report. This time interval can either be 5 minutes, 1 hour, 1 day, or 1 month.

- A report's time chunk should not be confused with the date/time range used to generate the report. Please refer to the documentation provided for the desired operation to find out the time chunk that it uses to report data.

- A start or end date/time cannot be specified for monthly reports (e.g., Get Traffic Usage). The data returned for this type of operation will always be limited to the specified month (e.g., 08-01-2012 00:00:00 – 08-31-2012 23:59:59 GMT).

It is important to know the following information when generating a report:

- What is the report's start and end date/time?

- What type of time chunk is used to report data?

The above information can be used to identify the exact time period that will be covered by a report. Simply make sure to account for the chunk of time used by the report to figure out the exact time period for which CDN activity will be reported.

The following table illustrates how the exact time period that will be included in a report can be calculated for each type of time chunk. This example assumes that the following date/time range was used to generate the report:

- **Start Date/Time:** 2012-08-01 07:02:00

- **End Date/Time:** 2012-08-02 00:00:00

Time Chunk	Actual Start Date/Time	Actual End Date/Time
5 Minutes	2012-08-01 07:00:00	2012-08-02 00:04:59
1 Hour	2012-08-01 07:00:00	2012-08-02 00:59:59
1 Day	2012-08-01 00:00:00	2012-08-02 23:59:59

Appendix C

Legacy Operations

This section provides additional information on legacy operations. The sole purpose of this section is to allow you to support existing code.

Add Authentication Directory (Legacy)

Important: This operation has been deprecated. Please use the Add Token-Based Authentication Directory operation instead.

This legacy operation is used to add a platform-specific location that will be protected by Token-Based Authentication. Keep in mind that Token-Based Authentication security is applied recursively to each secured location. All assets within a folder branch associated with a secure location will be protected by Token-Based Authentication.

Note: It may take up to an hour for this change to take effect.

Request

A request to add an authentication directory is described below. When submitting this request, you will need to define the following term:

- **AccountNumber:** This term should be replaced by your CDN account number. This number can be found in the upper-right hand corner of the MCC.

HTTP Method	Request URI
POST	**https://api.edgecast.com/v2/mcc/customers/*AccountNumber*/token/directory**

Request Headers

This operation only takes advantage of the common request headers described in the **Request Headers** topic, which can be found under **Common Request and Response Elements**.

Request Body

The required request parameters for this operation are described below.

Name	Description
Directory	Required. A string that indicates the relative path to the directory that will be protected by Token-Based Authentication. The starting point for this relative path varies according to the type of origin server that you are trying to secure. • **CDN Origin Server:** The root folder for your CDN storage account can be specified using a forward slash (i.e., /). If you would like to secure a different folder, simply append the relative path to that folder (e.g., /Presentations/2011). • **Customer Origin Server:** The root folder for your customer origin server can be specified by typing a forward slash, the name of your customer origin server, and then another forward slash (e.g., /MyCustomerOrigin/). If you would like to secure a different folder, simply append the relative path to that folder (e.g., /MyCustomerOrigin/Presentations/2011). **Reminder:** This configuration will only secure the specified location for the platform specified by the MediaType parameter. If another platform can be used to access the same location and it has not been secured for that platform, then that content could be exposed to unauthorized users.
MediaType	Required. An integer that indicates the service on which a new authentication directory will be defined. It should be replaced with the ID associated with the desired service. Valid values for this operation are: • **2:** Flash Media Streaming • **3:** HTTP Large • **8:** HTTP Small

Response

The response to the above request includes an HTTP status code, response headers, and a response body.

Status Code

The status code indicates whether the operation was successfully performed. A list of common status codes is provided in the **Status Codes and Error Messages** topic.

Response Headers

This operation only returns standard HTTP response headers including those described in the **Response Headers** topic, which can be found under **Common Request and Response Elements**.

Response Body

The response body for a successful operation does not contain a response element.

Errors

If the operation was not performed, then the response body may contain an error element that provides additional information. For a list of common error messages, please refer to the **Status Codes and Error Messages** topic.

Sample Request and Response

JSON

A sample JSON request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/token/directory HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/json
Content-Type: application/json
Host: api.edgecast.com
Content-Length: 71


{
        "Directory":"\/MyCustomerOrigin\/Presentations",
        "MediaType":3
}
```

A sample JSON response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

XML

A sample XML request is provided below.

```
POST https://api.edgecast.com/v2/mcc/customers/0001/token/directory HTTP/1.1
Authorization: TOK:12345678-1234-1234-1234-1234567890ab
Accept: application/xml
Content-Type: application/xml
Host: api.edgecast.com
Content-Length: 180
```

```
<TokenDirParamValues xmlns="http://www.whitecdn.com/schemas/apiservices/">
        <Directory>/MyCustomerOrigin/Presentations</Directory>
        <MediaType>3</MediaType>
</TokenDirParamValues>
```

A sample XML response is provided below.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/xml; charset=utf-8
Date: Mon, 30 May 2011 12:00:00 GMT
```

Appendix D

POP Listing

A list of POPs and their locations is provided below.

Abbreviation	Location	Region
AMS	Amsterdam, Netherlands	Europe
ARN	Stockholm, Sweden	Europe
ATL	Atlanta, Georgia, USA	North America: East Coast U.S.
BLA	Los Angeles, California, USA	North America: West Coast U.S.
BNJ	Newark, New Jersey, USA	North America: East Coast U.S.
BTH	Batam, Indonesia	Asia
BUR	Los Angeles, California, USA	North America: West Coast U.S.
CDG	Paris, France	Europe
CGH	São Paulo, Brazil	Latin America
CGK	Jakarta, Indonesia	Asia
CNJ	Newark, New Jersey	North America: East Coast U.S.
CPH	Copenhagen, Denmark	Europe
CPM	Los Angeles, California, USA	North America: West Coast U.S.
DCA	Ashburn, Virginia, USA	North America: East Coast U.S.
DFW	Dallas, Texas, USA	North America: Central U.S.
EWR	New York, New York, USA	North America: East Coast U.S.
FCN	Frankfurt, Germany	Europe
FLL	Miami, Florida, USA	North America: East Coast U.S.
FRA	Frankfurt, Germany	Europe
FRF	Frankfurt, Germany	Europe
FTW	Dallas, Texas, USA	North America: Central U.S.
FTY	Atlanta, Georgia, USA	North America: East Coast U.S.
GRU	São Paulo, Brazil	Latin America
HEL	Helsinki, Finland	Europe

Abbreviation	Location	Region
HHP	Hong Kong	Asia
HKG	Hong Kong	Asia
HND	Tokyo, Japan	Asia
IAD	Ashburn, Virginia, USA	North America: East Coast U.S.
ICN	Seoul, Korea	Asia
JFK	New York, New York, USA	North America: East Coast U.S.
KHH	Kaohsiung, Taiwan	Asia
KIX	Osaka, Japan	Asia
LAX	Los Angeles, California, USA	North America: West Coast U.S.
LCY	London, UK	Europe
LGA	New York, New York, USA	North America: East Coast U.S.
LHR	London, UK	Europe
MAD	Madrid, Spain	Europe
MDW	Chicago, Illinois, USA	North America: Central U.S.
MEL	Melbourne, Australia	Asia
MIA	Miami, Florida, USA	North America: East Coast U.S.
MXP	Milan, Italy	Europe
N/A	Not Applicable	Not Applicable
NJA	Tokyo, Japan	Asia
NRT	Tokyo, Japan	Asia
ORD	Chicago, Illinois, USA	North America: Central U.S.
ORY	Paris, France	Europe
OXR	Los Angeles, California, USA	North America: West Coast U.S.
PAE	Seattle, Washington, USA	North America: West Coast U.S.
PHL	Philadelphia, Pennsylvania, USA	North America: East Coast U.S.
RHV	San Jose, California, USA	North America: West Coast U.S.
RTM	Amsterdam, Netherlands	Europe
SEA	Seattle, Washington, USA	North America: West Coast U.S.
SIN	Singapore	Asia
SJC	San Jose, California, USA	North America: West Coast U.S.
SJO	San Jose, California, USA	North America: West Coast U.S.

Abbreviation	Location	Region
STO	Stockholm, Sweden	Europe
SYD	Sydney, Australia	Asia
TEB	New York, New York, USA	North America: East Coast U.S.
TOJ	Madrid, Spain	Europe
VIE	Vienna, Austria	Europe
VNY	Los Angeles, California, USA	North America: West Coast U.S.
WAW	Warsaw, Poland	Europe

Note: POP locations denoted in gray text have been decommissioned and are solely listed here as a reference for historical report data.

Appendix E

Origin Shield Locations and Settings

A list of Origin Shield locations can be retrieved through either the Get Origin Shield POPs (HTTP Large) or the Get Origin Shield POPs (HTTP Small) operation. Both of these operations will return the name, POP code, and the region associated with each Origin Shield location for the specified platform.

The Origin Shield feature allows you to bypass one or more regions when defining multiple POP locations. Bypassing a region indicates that requests for that region will bypass the Origin Shield and go directly to the customer origin server. This type of configuration is the equivalent of turning Origin Shield off for a particular region. The following table provides a listing of bypass region options. This list provides a descriptive name, code, and the region corresponding to each bypass region option.

Name	Code	Region
Bypass Asia	BYAP	Asia
Bypass E Coast US	BYEC	US East
Bypass Europe	BYEU	Europe
Bypass W Coast US	BYWC	US West