



# MDNS API USAGE GUIDE

## VERSION 10.2.4

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# 1 WHAT'S NEW

The following features or enhancements have been added with our latest release.

Function	Description	Section
Delegation Check when Adding Domain	<p><b>IMPORTANT</b> - The Verisign MDNS Manager and MDNS API will not allow the creation of a new Primary or Secondary Domain if it is already delegated to MDNS from the Top Level Domain's (TLD). This means that the TLD zone cannot have NS records that point to any MDNS name server prior to creation of the Domain on MDNS.</p> <p>When adding new domains to MDNS, we recommend that you first create each new Domain in MDNS and then delegate it to MDNS by contacting your registrar to change the NS records in the TLD to point to MDNS name servers. We highly recommend that you review your processes to follow this recommendation.</p> <p>There are two options available for creating a Domain that is already delegated to MDNS and both methods require contacting your registrar:</p> <ul style="list-style-type: none"><li>• Remove the delegation by changing the NS records in the TLD</li><li>• Modify one of the NS records in the TLD as directed by MDNS in the error message received after attempting to add the Domain</li></ul>	<a href="#">9.1</a>

## 2 MANAGED DNS APIS

Verisign provides APIs that may be used to access Managed DNS and perform actions such as managing domains and requesting reports. All SOAP APIs and those REST APIs that support reports are documented in this MDNS API Usage Guide. All remaining REST APIs are documented in RAML and can be found at: <https://mdns.verisign.com/rest/rest-doc/index.html>

## 3 FIELD DESCRIPTIONS

There are fields in the APIs (SOAP and REST) whose name does not match the name for the same field in the MDNS portal. The table below provides a mapping of these fields and their descriptions.

API Field Name	Portal Field Name	Description
Zone	Domain	A distinct, contiguous portion of the domain name space. Each zone contains all the resource records for a particular subtree of the domain space, including a single SOA resource record.
Owner	Hostname	The Fully Qualified Domain Name that "owns" a resource record. In other words, the "name" of the resource record.

## 4 WSDL

The WSDL for the MDNS Web Services can be found at: [https://api.verisigndns.com/dnsa-  
ws/V2.0/dnsaapi?wsdl](https://api.verisigndns.com/dnsa-<br/>ws/V2.0/dnsaapi?wsdl)

## 5 API SECURITY

MDNS APIs (SOAP and REST (with exception of reports accessed via REST)) are secured behind an Access Control List. If you are interested in using these APIs, please contact Verisign Customer Service at [mdnshelp@verisign.com](mailto:mdnshelp@verisign.com) or call 877-839-4710 or 703-376-6907 and provide the IPs you will be coming from when accessing the APIs.

## 6 SOAP HEADERS

### 6.1 AUTHENTICATION HEADER

The Authentication Header is the SOAP Header used to authenticate an API request.

#### 6.1.1 Definitions

Field	Definition
userName	The username for a Direct Customer Master/Regular User.
password	The password for a Direct Customer Master/Regular User.

#### 6.1.2 Performing an Operation

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    ...
  </S:Header>
  <S:Body>
    ...
  </S:Body>
```



## 6.2 MESSAGE CORRELATION HEADER

The Message Correlation Header is the SOAP Header used to correlate a request message to its appropriate response message. The user may provide a unique message correlation id when sending a Web Service request. That same message correlation id will then be attached to the response message. The Message Correlation Header is optional.

### 6.2.1 Definitions

Field	Definition
MessageId	The Client Transaction Identifier.

### 6.2.2 Sample Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
</S:Envelope>
```

### 6.2.3 Sample Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
```

```

    <ns2:callSuccess>true</ns2:callSuccess>
  </ns2:dnsaWSRes>
</env:Body>
</env:Envelope>

```

## 7 CUSTOMER API

### 7.1 GETCUSTOMERWITHSERVICES

This API enables the user to view account details for a customer. Customer Details are retrieved by providing the Client Customer ID for the account.

#### 7.1.1 Definitions

Field	Definition
accountName	The display name for an account.
clientCustomerId	The external identifier for an account.
phone	The contact phone number for an account.
fax	The contact fax number for an account.
email	The contact email for an account.
addressLine1	Line 1 of the account street address.
addressLine2	Line 2 of the account street address.
city	The city for the account address.
state	The state for the account address.
postalCode	The postal code for the account address.
country	The country for the account address.
securityPhrase	The security phrase for the account.
comments	Comments for this operation.
geoService	Geo location service subscription
usageReportService	Usage report service subscription. None, Standard, Enhanced
signingService	DNSSEC Signing service subscription
failOverService	Failover service subscription
zoneBackupService	Zone Restore service subscription
trafficManagementService	Dynamic Traffic Management service subscription
purchaseSource	The purchase source for failover service.

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Field	Definition
rrsetLimit	The maximum number of Resource Record Sets (distinct A record owners) that can be configured for failover.
notificationEmail	The notification email for failover service.
backupNotificationEmail	The backup notification email for failover service.
packageType	The package type for the customer account. This can be either DNS Assurance or DNS Assurance Plus.
domainLimit	The maximum number of domains (aka; zones) the account can hold for the given subscription price.
rrLimit	The maximum number of resource records the account can hold for the given subscription price.
queryLimit	The maximum number of queries for the account, for the given subscription price.
beginDate	Package Begin Date
endDate	Package End Date
pkgComment	Comments for the customer package.

### 7.1.2 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getCustomerWithServices>
      <urn2:clientCustomerId>CUSTOMER_ID</urn2:clientCustomerId>
    </urn2:getCustomerWithServices>
  </soap:Body>
</soap:Envelope>
```

### 7.1.3 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
```

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```

<S:Body>
  <getCustomerWithServicesRes xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns="urn:com:verisign:dnsa:api:schema:2">
    <callSuccess>true</callSuccess>
    <directCustomer>
      <ns2:accountName>ACCOUNT_NAME</ns2:accountName>
      <ns2:clientCustomerId>CUSTOMER_ID</ns2:clientCustomerId>
      <ns2:custContact>
        <ns2:phone>555-555-5555</ns2:phone>
        <ns2:fax>555-555-5555</ns2:fax>
        <ns2:email>EMAIL@SOMEDOMAIN.COM</ns2:email>
        <ns2:addr>
          <ns2:addressLine1>ADDRESS LINE 1</ns2:addressLine1>
          <ns2:addressLine2>ADDRESS LINE 2</ns2:addressLine2>
          <ns2:city>CITY</ns2:city>
          <ns2:state>STATE</ns2:state>
          <ns2:postalCode>11111</ns2:postalCode>
          <ns2:country>UNITED STATES</ns2:country>
        </ns2:addr>
      </ns2:custContact>
      <ns2:securityPhrase>SECURITY_PHRASE</ns2:securityPhrase>
      <ns2:comments>COMMENTS</ns2:comments>
      <ns2:statusName>ACTIVE</ns2:statusName>
      <ns2:pkgInfo>
        <ns2:packageType>DNS Assurance Plus</ns2:packageType>
        <ns2:domainLimit>DOMAIN LIMIT</ns2:domainLimit>
        <ns2:domainCount>DOMAIN COUNT</ns2:domainCount>
        <ns2:rrLimit>RR LIMIT</ns2:rrLimit>
        <ns2:queryLimit>QUERY LIMIT</ns2:queryLimit>
        <ns2:beginDate>2011-10-18T00:00:00.000-04:00</ns2:beginDate>
        <ns2:expirationDate>2012-10-18T00:00:00.000-04:00</ns2:expirationDate>
        <ns2:pkgComment>PACKAGE COMMENTS</ns2:pkgComment>
      </ns2:pkgInfo>
      <ns2:geoService/>
      <ns2:usageReportService>STANDARD</ns2:usageReportService>
      <ns2:signingService/>
      <ns2:failOverService/>
      <ns2:zoneBackupService/>
      <ns2:trafficManagementService/>
      <ns2:loadBalanceService/>
    </directCustomer>
  </getCustomerWithServicesRes>
</S:Body>
</S:Envelope>

```

## 7.2 DYNAMIC TRAFFIC MANAGEMENT PARAMETERS

The Verisign Dynamic Traffic Management feature allows you to define your own user parameters to be used in the scripts. You may define them at the account level (allowing you to use them with any zones in your account) or at the zone (aka; domain) level (usable only by the specific zone's script) and both account-level and zone-level parameters may be used in a single script.

The User Parameter APIs for Verisign Dynamic Traffic Management provide you with the ability to add, update, get or delete the name/value pairs for account-level and zone-level parameters.

Updates to name/value pairs take from 30 seconds to 3 minutes to become active in the resolution system as they utilize the same distribution method as zone updates. We strongly recommend that a given name/value pair be updated only when there is a change or no faster than once every minute.

### 7.2.1 addUserParameters

This API enables the user to add one or more account-level or zone-level parameter. If a parameter already exists, this call may be used to update the value.

## Definitions

Field	Definition	Range Value	System Default
zoneName	The name of the zone this parameter should be associated to (If adding/updating an account-level parameter, this value is not applicable.)		
name	A unique identifier that will be used to reference this parameter in the script	Any ASCII text string, not to exceed 1,000 characters	
value	The data that will be provided when this parameter is referenced in the script	Any ASCII text string, not to exceed 1,000 characters	

## Usage

- Zone-level scripting parameters are limited to 50 name/value pairs.
- Account-level scripting parameters are limited to 100 name/value pairs.
- Name of parameter must be unique at the account level and unique within each zone.
- If you have a script that needs a list of values for one parameter, you will need to separate the values in the value field using a comma or semicolon when creating the parameter.
- If you have a script that needs a range, you will need to create two parameters -- one for the low value and one for the high value.
- You may use this API to perform frequent updates to the value in a parameter (ex: if the script is defining answers based on the performance of a specific server or service, you may be initiating an API request every x minutes to provide the latest performance number).
- Multiple account or zone parameters may be added or updated in a single request.
- Only the value field may be updated.

## Request

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://www.w3.org/2003/05/soap-envelope"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
```

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```

    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<SOAP-ENV:Header>
<ns1:authInfo
  xmlns:ns1="urn:com:verisign:dnsa:auth:schema:1">
  <ns1:userToken>
    <ns1:userName>autodcmaster</ns1:userName>
    <ns1:password>1234abcd</ns1:password>
  </ns1:userToken>
</ns1:authInfo>
<ns1:reliableMessageReq
  xmlns:ns1="urn:com:verisign:dnsa:messaging:schema:1">
  <ns1:MessageId/>
</ns1:reliableMessageReq>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
<addUserParameters xmlns="urn:com:verisign:dnsa:api:schema:2">
  <zoneParameter>
    <zoneName>example.com</zoneName>
    <parameter>
      <name>zoneparameter1</name>
      <value>200</value>
    </parameter>
  </zoneParameter>
  <accountParameter>
    <parameter>
      <name>accountparameter1</name>
      <value>500</value>
    </parameter>
  </accountParameter>
</addUserParameters>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

## Response

```

<?xml version="1.0" encoding="UTF-8"?>
<S:Envelope
  xmlns:S="http://www.w3.org/2003/05/soap-envelope">
<S:Header>
<ns5:reliableMessageRes
  xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
  xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
  xmlns:ns4="urn:com:verisign:dnsa:api:schema:2"
  xmlns:ns5="urn:com:verisign:dnsa:messaging:schema:1">
  <ns5:MessageId/>
</ns5:reliableMessageRes>
</S:Header>
<S:Body>
<ns2:dnsaWSRes
  xmlns="urn:com:verisign:dnsa:api:schema:2"
  xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
  xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
  xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
  <ns2:callSuccess>true</ns2:callSuccess>

```

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```

</ns2:dnsaWSRes>
</S:Body>
</S:Envelope>

```

### 7.2.2 getUserParameters

This API enables the user to get a specific account-level or zone-level parameter, or get a list of all account parameters or all parameters for a specific zone.

If you choose to get a list of all account parameters you may see system-generated scripting parameters returned in the list. These system-generated account-level parameters are read-only and are created by the system when a user chooses to define Probe Settings on a specific Resource Record (RR) with Scripting. The potential values that may be returned in the Value column for system-generated, account-level parameters are: U (Unknown), F (Failure) and S (Success). When the status of an IP/Hostname changes (goes up (S) or down (F)) we will send an email to the Failover Email address(s) you have defined on your account. See Resource Record APIs section below for more information on defining Probe Settings.

### Definitions

Field	Definition
zoneName	The name of the zone associated with the parameter you wish to get. If getting an account-level parameter, this value is not applicable.
name	The unique identifier for the parameter. If getting all parameters, this value is not applicable.

### Usage

- If getting all account parameters then zoneName and name are not applicable.
- If getting all zone-level parameters then zoneName is required
- If getting a specific account parameter then name is required
- If getting a specific zone parameter then zoneName and name are required

### Request

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
  xmlns:SOAP-ENV="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:authInfo
      xmlns:ns1="urn:com:verisign:dnsa:auth:schema:1">
      <ns1:userToken>
        <ns1:userName>autodcmaster</ns1:userName>
        <ns1:password>1234abcd</ns1:password>
      </ns1:userToken>
    </ns1:authInfo>
    <ns1:reliableMessageReq
      xmlns:ns1="urn:com:verisign:dnsa:messaging:schema:1">
      <ns1:MessageId/>
    </ns1:reliableMessageReq>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <ns2:getUserParameters
      xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:zoneName>example.com</ns2:zoneName>
      <ns2:name>example.com</ns2:name>
    </ns2:getUserParameters>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

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```

</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <getUserParameters xmlns="urn:com:verisign:dnsm:api:schema:2">
    <zoneName>example.com</zoneName>
    <name>zoneparameter1</zoneName>
  </getUserParameters>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

### Response (accountParameters)

```

<?xml version="1.0" encoding="UTF-8"?>
<S:Envelope
  xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns5:reliableMessageRes
      xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
      xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
      xmlns:ns4="urn:com:verisign:dnsm:api:schema:2"
      xmlns:ns5="urn:com:verisign:dnsm:messaging:schema:1">
      <ns5:MessageId/>
    </ns5:reliableMessageRes>
  </S:Header>
  <S:Body>
    <getUserParametersRes
      xmlns="urn:com:verisign:dnsm:api:schema:2"
      xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
      xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
      xmlns:ns4="urn:com:verisign:dnsm:messaging:schema:1">
      <callSuccess>true</callSuccess>
      <getUserParameters>
        <accountParameter>
          <parameter>
            <name>accountparameter1</name>
            <value>500</value>
            <lastUpdated>?</lastUpdated>
          </parameter>
        </accountParameter>
      </getUserParameters>
    </getUserParametersRes>
  </S:Body>
</S:Envelope>

```

### Response (zoneParameters)

```

<?xml version="1.0" encoding="UTF-8"?>
<S:Envelope
  xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns5:reliableMessageRes

```

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```

xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns5="urn:com:verisign:dnsa:messaging:schema:1">
  <ns5:MessageId/>
</ns5:reliableMessageRes>
</S:Header>
<S:Body>
  <getUserParametersRes
    xmlns="urn:com:verisign:dnsa:api:schema:2"
    xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
    xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
    xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
    <callSuccess>true</callSuccess>
    <getUserParameters>
      <zoneParameter>
        <zoneName>example.com</zoneName>
        <parameter>
          <name>zoneparameter1</name>
          <value>200</value>
          <lastUpdated>?</lastUpdated>
        </parameter>
      </zoneParameter>
    </getUserParameters>
  </getUserParametersRes>
</S:Body>
</S:Envelope>

```

### 7.2.3 deleteUserParameters

This API enables the user to delete one or more account-level and/or zone-level parameters.

**NOTE:** *If you choose to delete a parameter that is used inside a script, this may result in an unintended answer being returned. We recommend that you remove the parameter from the script(s) before deleting the parameter itself.*

#### Definitions

Field	Definition
zoneName	The name of the zone associated with the parameter you wish to delete. If deleting an account-level parameter, this value is not applicable.
name	The unique identifier of the parameter.

#### Usage

- If deleting an account parameter then name is required
- If deleting a zone parameter then zoneName and name are required
- We do not support deleting all account or all zone-level parameters

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## Request

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
  xmlns:SOAP-ENV="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:authInfo
      xmlns:ns1="urn:com:verisign:dnsa:auth:schema:1">
      <ns1:userToken>
        <ns1:userName>autodcmaster</ns1:userName>
        <ns1:password>1234abcd</ns1:password>
      </ns1:userToken>
    </ns1:authInfo>
    <ns1:reliableMessageReq
      xmlns:ns1="urn:com:verisign:dnsa:messaging:schema:1">
      <ns1:MessageId/>
    </ns1:reliableMessageReq>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <deleteUserParameters xmlns="urn:com:verisign:dnsa:api:schema:2">
      <zoneParameter>
        <zoneName>example.com</zoneName>
        <name>zoneparameter1</name>
      </zoneParameter>
      <accountParameter>
        <name>accountparameter1</name>
      </accountParameter>
    </deleteUserParameters>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## Response

```
<?xml version="1.0" encoding="UTF-8"?>
<S:Envelope
  xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns5:reliableMessageRes
      xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
      xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
      xmlns:ns4="urn:com:verisign:dnsa:api:schema:2"
      xmlns:ns5="urn:com:verisign:dnsa:messaging:schema:1">
      <ns5:MessageId/>
    </ns5:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:dnsaWSRes
      xmlns="urn:com:verisign:dnsa:api:schema:2"
      xmlns:ns2="urn:com:verisign:dnsa:api:schema:1">
```

```

xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
  <ns2:callSuccess>true</ns2:callSuccess>
</ns2:dnsaWSRes>
</S:Body>
</S:Envelope>

```

## 8 USER API

### 8.1 CREATEUSER

This API enables the user to create a new Users for the account. The User status defaults to ACTIVE when the user is created.

#### 8.1.1 Definitions

Field	Definition
logonName	The logon name for this user.
firstName	The first name for this user.
lastName	The last name for this user.
email	The contact email for this user.
phoneNumber	The contact phone number for this user.
userType	The user type for this user. User Type can be MASTER, REGULAR, or READ ONLY.

#### 8.1.2 Usage

- User Logon Name has to be unique.
- User Type can be MASTER, READ ONLY or REGULAR.

#### 8.1.3 Request

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">

```

```

    <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
  </ns3:reliableMessageReq>
</S:Header>
<S:Body>
  <ns2:createUser xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
    <ns2:logOnName>LOGONNAME</ns2:logOnName>
    <ns2:firstName>FIRST_NAME</ns2:firstName>
    <ns2:lastName>LAST_NAME</ns2:lastName>
    <ns2:email>EMAIL@SOMEDOMAIN.COM</ns2:email>
    <ns2:phoneNumber>555-555-5555</ns2:phoneNumber>
    <ns2:userType>REGULAR</ns2:userType>
  </ns2:createUser>
</S:Body>
</S:Envelope>

```

### 8.1.4 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </env:Body>
</env:Envelope>

```

## 8.2 UPDATEUSER

This API enables the user to update a user that belongs to the account.

### 8.2.1 Definitions

Field	Definition
logonName	The logon name for this user.
firstName	The first name for this user.
lastName	The last name for this user.
email	The contact email for this user.

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Field	Definition
phoneNumber	The contact phone number for this user.
userType	The user type for this user. User Type can be MASTER, REGULAR, or READ ONLY.
ssoEnabled	The flag to enable Single Sign On for this user.
ssold	The Single Sign On Id for this user

### 8.2.2 Usage

- The API keys on Logon Name to determine the user to update, therefore, Logon Name cannot be updated.
- User Type can be MASTER, READ ONLY or REGULAR. The only permissible User Type change is from READ ONLY to REGULAR.
- User Status cannot be updated with this API, to deactivate a user, use the deleteUser operation instead.

### 8.2.3 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns2:updateUser xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:logOnName>LOGONNAME</ns2:logOnName>
      <ns2:firstName>FIRST_NAME</ns2:firstName>
      <ns2:lastName>LAST_NAME</ns2:lastName>
      <ns2:email>EMAIL@SOMEDOMAIN.COM</ns2:email>
      <ns2:phoneNumber>555-555-5555</ns2:phoneNumber>
      <ns2:userType>REGULAR</ns2:userType>
    </ns2:updateUser>
  </S:Body>
</S:Envelope>
```

```

        <ns2:ssoEnabled>true</ns2:ssoEnabled>
        <ns2:ssoId>SSO_ID</ns2:ssoId>
    </ns2:updateUser>
</S:Body>
</S:Envelope>

```

## 8.2.4 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
    <env:Header>
        <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
            <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
        </ns4:reliableMessageRes>
    </env:Header>
    <env:Body>
        <ns3:updateUserRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
            <ns3:callSuccess>true</ns3:callSuccess>
            <ns3:userInfo>
                <ns3:logOnName>LOGONNAME</ns3:logOnName>
                <ns3:firstName>FIRST_NAME</ns3:firstName>
                <ns3:lastName>LAST_NAME</ns3:lastName>
                <ns3:email>EMAIL@SOMEDOMAIN.COM</ns3:email>
                <ns3:phoneNumber>555-555-5555</ns3:phoneNumber>
                <ns3:userType>REGULAR</ns3:userType>
                <ns3:ssoEnabled>true</ns3:ssoEnabled>
                <ns3:ssoId>SSO_ID</ns3:ssoId>
                <ns3:status>ACTIVE</ns3:status>
                <ns3:numLoginAttempts>0</ns3:numLoginAttempts>
            </ns3:userInfo>
        </ns3:updateUserRes>
    </env:Body>
</env:Envelope>

```

## 8.3 DELETEUSER

This API enables the user to delete users that belong to the account.

### 8.3.1 Definitions

Field	Definition
logonName	The logon name for this user.

### 8.3.2 Usage

- This operation will fail if the user to be deleted is the account's only Master user.

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### 8.3.3 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns2:deleteUser xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:logonName>LOGONNAME</ns2:logonName>
    </ns2:deleteUser>
  </S:Body>
</S:Envelope>
```

### 8.3.4 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </env:Body>
</env:Envelope>
```

## 8.4 GETUSER

This API enables the user to retrieve the user details for the account.

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### 8.4.1 Definitions

Field	Definition
logonName	The logon name for this user.
firstName	The first name for this user.
lastName	The last name for this user.
email	The contact email for this user.
phoneNumber	The contact phone number for this user.
userType	The user type for this user. User type may be MASTER, REGULAR, or READ ONLY.
ssoEnabled	The flag to enable Single Sign On for this user.
ssold	The Single Sign On Id for this user.
status	The status for this user. Status may be ACTIVE or INACTIVE.
lastLocked	The last time the user was locked.
numLoginAttempts	The number of consecutive unsuccessful login attempts for this user.

### 8.4.2 Usage

- Deleted/Inactive users cannot be retrieved.

### 8.4.3 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns2:getUser xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:logonName>LOGONNAME</ns2:logonName>
    </ns2:getUser>
  </S:Body>
```

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```
</S:Envelope>
```

#### 8.4.4 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns3:getUserRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:callSuccess>true</ns3:callSuccess>
      <ns3:userInfo>
        <ns3:logOnName>LOGONNAME</ns3:logOnName>
        <ns3:firstName>FIRST_NAME</ns3:firstName>
        <ns3:lastName>LAST_NAME</ns3:lastName>
        <ns3:email>EMAIL@SOMEDOMAIN.COM</ns3:email>
        <ns3:phoneNumber>555-555-5555</ns3:phoneNumber>
        <ns3:userType>REGULAR</ns3:userType>
        <ns3:ssoEnabled>true</ns3:ssoEnabled>
        <ns3:ssoId>SSO_ID</ns3:ssoId>
        <ns3:status>ACTIVE</ns3:status>
        <ns3:numLoginAttempts>0</ns3:numLoginAttempts>
      </ns3:userInfo>
    </ns3:getUserRes>
  </S:Body>
</S:Envelope>
```

### 8.5 GETUSERZONEASSOCIATIONS

This API enables the Master user to view all the zones associated with a **Regular** user.

#### 8.5.1 Definitions

Field	Definition
logonname	The logon name for this <b>regular</b> user.

#### 8.5.2 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
```

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```

<ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
  <ns2:userToken>
    <ns2:userName>DIRECT_CUSTOMER_MASTERUSER</ns2:userName>
    <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
  </ns2:userToken>
</ns2:authInfo>
  <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
    <MessageId>MSG_CORRELATION_ID</MessageId>
  </reliableMessageReq>
</S:Header>
<S:Body>
  <urn2:getUserZoneAssociations>
    <urn2:logonname>REGULAR_USER_LOGONNAME</urn2:logonname>
  </urn2:getUserZoneAssociations>
</S:Body>
</S:Envelope>

```

### 8.5.3 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <getUserZoneAssociationsRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <domainName>DOMAIN1</domainName>
      <domainName>DOMAIN2</domainName>
      ..
    </getUserZoneAssociationsRes>
  </S:Body>
</S:Envelope>

```

## 8.6 GETUSERZONEASSOCIATIONS

This API enables the Master user to view all the zones associated with a **Regular** user.

### 8.6.1 Definitions

Field	Definition
logonname	The logon name for this <b>regular</b> user.

### 8.6.2 Request

```

<?xml version='1.0' encoding='UTF-8'?>

```

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```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_MASTERUSER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <urn2:getUserZoneAssociations>
      <urn2:logonname>REGULAR_USER_LOGONNAME</urn2:logonname>
    </urn2:getUserZoneAssociations>
  </S:Body>
</S:Envelope>

```

### 8.6.3 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <getUserZoneAssociationsRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <domainName>DOMAIN1</domainName>
      <domainName>DOMAIN2</domainName>
      ..
    </getUserZoneAssociationsRes>
  </S:Body>
</S:Envelope>

```

## 8.7 CREATEREMOVEUSERZONEASSOCIATIONS

This API enables the user to create and/or remove the zones associated with a **Regular** user.

### 8.7.1 Definitions

Field	Definition
Logonname	The logon name for this <b>regular</b> user.
removeDomain	The domain name to be removed from user zone association list.

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associateDomain

The domain name to be associated with this user.

### 8.7.2 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <urn2:createRemoveUserZoneAssociations>
      <urn2:logonname>REGULAR_USER_LOGONNAME</urn2:logonname>
      <urn2:removeDomain>ZONE TO BE REMOVED</urn2:removeDomain>
      <urn2:associateDomain>ZONE TO BE ASSOCIATED</urn2:associateDomain>
    </urn2:createRemoveUserZoneAssociations>
  </S:Body>
</S:Envelope>
```

### 8.7.3 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>
```

## 8.8 ADDUSERPARAMETERS

This API enables the user to add and update the zone parameters and account parameters.

### 8.8.1 Definitions

Field	Definition
-------	------------

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zoneName	The zone name for this zone.
name	A unique identifier that will be used to reference this parameter in a Traffic Management script.
value	The response that will be provided when this parameter is referenced in a Traffic Management script.

### 8.8.2 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:addUserParameters>
      <urn2:zoneParameter>
        <urn2:zoneName>SOMEZONE.COM</urn2:zoneName>
        <urn2:parameter>
          <urn2:name>ZP_NAME1</urn2:name>
          <urn2:value>ZP_VALUE1</urn2:value>
        </urn2:parameter>
        <urn2:parameter>
          <urn2:name>ZP_NAME2</urn2:name>
          <urn2:value>ZP_VALUE2</urn2:value>
        </urn2:parameter>
      </urn2:zoneParameter>
      <urn2:accountParameter>
        <urn2:parameter>
          <urn2:name>AP_NAME1</urn2:name>
          <urn2:value>AP_VALUE1</urn2:value>
        </urn2:parameter>
        <urn2:parameter>
          <urn2:name>AP_NAME2</urn2:name>
          <urn2:value>AP_VALUE2</urn2:value>
        </urn2:parameter>
      </urn2:accountParameter>
    </urn2:addUserParameters>
  </soap:Body>
</soap:Envelope>
```

```

    </urn2:addUserParameters>
  </soap:Body>
</soap:Envelope>

```

### 8.8.3 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>

```

## 8.9 DELETEUSERPARAMETERS

This API enables the user to delete the zone parameters and account parameters.

### 8.9.1 Definitions

Field	Definition
zoneName	The zone name for this zone.
name	A unique identifier that will be used to reference this parameter in a Traffic Management script.
value	The response that will be provided when this parameter is referenced in a Traffic Management script.

### 8.9.2 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:deleteUserParameters>

```

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```

    <urn2:zoneParameter>
      <urn2:parameter>
        <urn2:zoneName>SOMEZONE.COM</urn2:zoneName>
        <urn2:name>ZP_NAME1</urn2:name>
      </urn2:parameter>
    </urn2:parameter>
    <urn2:parameter>
      <urn2:zoneName>SOMEOTHERZONE.COM</urn2:zoneName>
      <urn2:name>ZP_NAME2</urn2:name>
    </urn2:parameter>
  </urn2:zoneParameter>
  <urn2:accountParameter>
    <urn2:parameter>
      <urn2:name>AP_NAME1</urn2:name>
    </urn2:parameter>
    <urn2:parameter>
      <urn2:name>AP_NAME2</urn2:name>
    </urn2:parameter>
  </urn2:accountParameter>
</urn2:deleteUserParameters>
</soap:Body>
</soap:Envelope>

```

### 8.9.3 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>

```

## 8.10 GETUSERPARAMETERS

This API enables the user to view all or single zone parameter or account parameters.

### 8.10.1 Definitions

Field	Definition
zoneName	The zone name for this zone.
name	A unique identifier that will be used to reference this parameter in a Traffic Management script.
value	The response that will be provided when this parameter is referenced in a Traffic Management script.

### 8.10.2 Request to get all Account Parameters

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getUserParameters>
    </urn2:getUserParameters>
  </soap:Body>
</soap:Envelope>
```

### 8.10.3 Response to get all Account Parameters

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <getUserParametersRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <callSuccess>true</callSuccess>
      <getUserParameters>
        <accountParameter>
          <parameter>
            <name>AP_NAME1</name>
            <value>AP_VALUE1</value>
            <lastUpdated>2014-02-04T08:11:40.000Z</lastUpdated>
          </parameter>
          <parameter>
            <name>AP_NAME2</name>
            <value>AP_VALUE2</value>
            <lastUpdated>2014-02-04T08:11:40.000Z</lastUpdated>
          </parameter>
        </accountParameter>
      </getUserParameters>
    </getUserParametersRes>
  </S:Body>
</S:Envelope>
```



#### 8.10.4 Request to get all Scripting Parameters of a zone

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getUserParameters>
      <urn2:zoneName>SOMEZONE.COM</urn2:zoneName>
    </urn2:getUserParameters>
  </soap:Body>
</soap:Envelope>
```

#### 8.10.5 Response to get all Scripting Parameters of a zone

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <getUserParametersRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <callSuccess>true</callSuccess>
      <getUserParameters>
        <zoneParameter>
          <zoneName>SOMEZONE.COM</zoneName>
          <parameter>
            <name>ZP_NAME1</name>
            <value>ZP_VALUE1</value>
            <lastUpdated>2014-02-04T08:11:39.000Z</lastUpdated>
          </parameter>
          <parameter>
            <name>ZP_NAME2</name>
            <value>ZP_VALUE2</value>
            <lastUpdated>2014-02-04T08:11:39.000Z</lastUpdated>
          </parameter>
        </zoneParameter>
      </getUserParameters>
    </getUserParametersRes>
  </S:Body>
```

```
</S:Envelope>
```

### 8.10.6 Request to get a single Account Parameter

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getUserParameters>
      <urn2:name>ZP_NAME1</urn2:name>
    </urn2:getUserParameters>
  </soap:Body>
</soap:Envelope>
```

### 8.10.7 Response to get a single Account Parameter

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <getUserParametersRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <callSuccess>true</callSuccess>
      <getUserParameters>
        <accountParameter>
          <parameter>
            <name>AP_NAME1</name>
            <value>AP_VALUE2</value>
            <lastUpdated>2014-02-04T08:11:40.000Z</lastUpdated>
          </parameter>
        </accountParameter>
      </getUserParameters>
    </getUserParametersRes>
  </S:Body>
</S:Envelope>
```

### 8.10.8 Request to get a single Zone Parameter

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1">
```

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```

xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getUserParameters>
      <urn2:zoneName>SOMEZONE.COM</urn2:zoneName>
      <urn2:name>ZP_NAME1</urn2:name>
    </urn2:getUserParameters>
  </soap:Body>
</soap:Envelope>

```

#### 8.10.9 Response to get a single Zone Parameter

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <getUserParametersRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <callSuccess>true</callSuccess>
      <getUserParameters>
        <zoneParameter>
          <zoneName>SOMEZONE.COM</zoneName>
          <parameter>
            <name>ZP_NAME1</name>
            <value>ZP_VALUE1</value>
            <lastUpdated>2014-02-04T08:11:39.000Z</lastUpdated>
          </parameter>
        </zoneParameter>
      </getUserParameters>
    </getUserParametersRes>
  </S:Body>
</S:Envelope>

```

## 9 ZONE API

### 9.1 CREATEZONE

This API enables the user to create a Primary or Secondary Zone.

**IMPORTANT** - The Verisign MDNS Manager and MDNS API will not allow the creation of a new Primary or Secondary Domain if it is already delegated to MDNS from the Top Level Domain's (TLD). This means that the TLD zone cannot have NS records that point to any MDNS name server prior to creation of the Domain on MDNS.

When adding new domains to MDNS, we recommend that you first create each new Domain in MDNS and then delegate it to MDNS by contacting your registrar to change the NS records in the TLD to point to MDNS name servers. We highly recommend that you review your processes to follow this recommendation.

There are two options available for creating a Domain that is already delegated to MDNS and both methods require contacting your registrar:

- Remove the delegation by changing the NS records in the TLD
- Modify one of the NS records in the TLD as directed by MDNS in the error message received after attempting to add the Domain

#### 9.1.1 Definitions

Field	Definition
domainName	The zone name for this zone.
type	The zone type for this zone. Zone type must be DNS Hosting for primary zones and Backup DNS for secondary zones.
serviceLevel	The service level for a primary zone. Service Level may be LIMITED or COMPLETE.
accountSiteOptionName	The name for the site option being used with the zone.
primaryNameServerId	The ID for a customer name server that will act as the primary master for a secondary zone.

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secondaryNameServerId	The ID for a customer name server that will act as the backup master for a secondary zone.
comments	Comments for this operation.
nsecOption	NSEC option for signing the zone - NSEC/NSEC3

### 9.1.2 Usage – Primary Zone

- Type must be set to DNS Hosting.
- Service Level may be set to LIMITED or COMPLETE. Primary Zones with Limited Service Level can only configure web parking and web forwarding but are unable to configure other Resource Records.
- Resolution Sites can be configured when creating a zone by specifying an Account Site Option Name. The available Account Site Option Names can be retrieved using the getCustomerSiteOptionList API.
- This API will not accept the old site options any more (Standard, Expanded or Old Expanded).
- If the account has white labeled name servers, the site option that is associated with the zone will have white labeled name servers.
- Omitting Site Option configuration results in resolution defaulting to Global site option.
- A newly created zone is ACTIVE by default.

### 9.1.3 Usage – Secondary Zone

- Type must be set to Backup DNS.
- Service Level is not applicable to Secondary Zones.
- Resolution Sites can be configured when creating a zone by specifying an Account Site Option Name. The available Account Site Option Names can be retrieved using the getCustomerSiteOptionList API.
- This API will not accept the old site options any more (Standard, Expanded or Old Expanded).
- If the account has white labeled name servers, the site option that is associated with the zone will have white labeled name servers.
- Customer Name Servers can be configured when creating a zone by specifying the primaryNameServerId and the secondaryNameServerId. These are name servers belonging to the Customer from which Zone Transfers can be performed to sync up Zone information. The Name Server ID's can be retrieved using the getCustomerNameServerList API.
- A newly created zone is ACTIVE if there is a Primary Customer Name Server configured. It will be INCOMPLETE otherwise.

### 9.1.4 Creating a Primary Zone

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
```

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```

        <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
        <urn1:userToken>
            <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
            <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
        </urn1:userToken>
    </urn1:authInfo>
</soap:Header>
<soap:Body>
    <urn2:createZone>
        <urn2:domainName>SOMEZONE.COM</urn2:domainName>
        <urn2:type>DNS Hosting</urn2:type>
        <urn2:serviceLevel>COMPLETE</urn2:serviceLevel>
        <urn2:accountSiteOptionName>North America</urn2:accountSiteOptionName>
        <urn2:dnssecConfig>
            <urn2:nsecOption>NSEC</urn2:nsecOption>
        </urn2:dnssecConfig>
        <urn2:comments>COMMENTS GO HERE</urn2:comments>
    </urn2:createZone>
</soap:Body>
</soap:Envelope>

```

### 9.1.5 Creating a Primary Zone with the Default Site Option

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
    <soap:Header>
        <urn:reliableMessageReq>
            <urn:MessageId>?</urn:MessageId>
            <urn:DuplicateElimination/>
        </urn:reliableMessageReq>
        <urn1:authInfo>
            <urn1:userToken>
                <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
                <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
            </urn1:userToken>
        </urn1:authInfo>
    </soap:Header>
    <soap:Body>
        <urn2:createZone>
            <urn2:domainName>SOMEZONE.COM</urn2:domainName>
            <urn2:type>DNS Hosting</urn2:type>
            <urn2:serviceLevel>COMPLETE</urn2:serviceLevel>
            <urn2:dnssecConfig>
                <urn2:nsecOption>NSEC</urn2:nsecOption>
            </urn2:dnssecConfig>
        </urn2:createZone>
    </soap:Body>
</soap:Envelope>

```

```

        </urn2:dnssecConfig>
        <urn2:comments>COMMENTS GO HERE</urn2:comments>
    </urn2:createZone>
</soap:Body>
</soap:Envelope>

```

### 9.1.6 Creating a Secondary Zone with Customer Name Servers

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:createZone xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:domainName>SOMEZONE.COM</ns3:domainName>
      <ns3:type>Backup DNS</ns3:type>
      <ns3:accountSiteOptionName>North America</ns3:accountSiteOptionName>
      <ns3:primaryNameServerId>1461</ns3:primaryNameServerId>
      <ns3:secondaryNameServerId>1464</ns3:secondaryNameServerId>
      <ns3:comments>COMMENTS GO HERE</ns3:comments>
    </ns3:createZone>
  </S:Body>
</S:Envelope>

```

### 9.1.7 Creating a Secondary Zone without Customer Name Servers

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>

```

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```

    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:createZone xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:domainName>SOMEZONE.COM</ns3:domainName>
      <ns3:type>Backup DNS</ns3:type>
      <ns3:accountSiteOptionName>North America</ns3:accountSiteOptionName>
      <ns3:comments>COMMENTS GO HERE</ns3:comments>
    </ns3:createZone>
  </S:Body>
</S:Envelope>

```

### 9.1.8 Response for Primary Zone

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:createZoneRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:zoneInfo>
        <ns2:domainName>SOMEZONE.COM</ns2:domainName>
        <ns2:type>DNS Hosting</ns2:type>
        <ns2:status>ACTIVE</ns2:status>
        <ns2:createTimestamp>2011-01-21T16:35:35.000-05:00</ns2:createTimestamp>
        <ns2:updateTimestamp>2011-01-21T16:35:35.000-05:00</ns2:updateTimestamp>
        <ns2:dnssecInfo>
          <ns2:dnssecConfig>
            <ns2:nsecOption>NSEC</ns2:nsecOption>
          </ns2:dnssecConfig>
        </ns2:dnssecInfo>
      </ns2:zoneInfo>
    </ns2:createZoneRes>
  </S:Body>
</S:Envelope>

```



### 9.1.9 Response for Secondary Zone

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:createZoneRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:zoneInfo>
        <ns2:domainName>SOMEZONE.COM</ns2:domainName>
        <ns2:type>Backup DNS</ns2:type>
        <ns2:status>ACTIVE</ns2:status>
        <ns2:createTimestamp>2011-01-21T16:35:35.000-05:00</ns2:createTimestamp>
        <ns2:updateTimestamp>2011-01-21T16:35:35.000-05:00</ns2:updateTimestamp>
      </ns2:zoneInfo>
    </ns2:createZoneRes>
  </S:Body>
</S:Envelope>
```

## 9.2 UPDATEZONE

This API enables the user to update a Primary or Secondary Zone.

**Note:** If you do not include the `dnssecConfig` element in this API call for primary zones, the zone will be unsigned even if the zone happens to be an already signed zone.

### 9.2.1 Definitions

Field	Definition
domainName	The zone name for this zone.
status	The zone status for this zone. Zone status may be set to ACTIVE or HOLD.
accountSiteOptionName	The name for the site option being used with the zone.
primaryNameServerId	The ID for a customer name server that will act as the primary master for a secondary zone.
secondaryNameServerId	The ID for a customer name server that will act as the backup master for a secondary zone.
comments	Comments for this operation.

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### 9.2.2 Usage – Primary Zone

- Status can be set to ACTIVE or HOLD.
- Resolution Sites can be updated when updating a zone by specifying an Account Site Option Name. The available Account Site Option Names can be retrieved using the `getCustomerSiteOptionList` API.
- This API will not accept the old site options any more (Standard, Expanded or Old Expanded).
- If the account has white labeled name servers, the site option that is associated with the zone will have white labeled name servers.
- Site option is not a required element. Omitting the site option element will result in retaining the existing site option.
- For Geo Located domains, this API will only update the default zone.

### 9.2.3 Usage – Secondary Zone

- Status can be set to ACTIVE, HOLD, or INCOMPLETE. If the zone does not have Customer Name Servers configured, status must be left at INCOMPLETE.
- A zone set to HOLD status will not be published to the resolution name servers.
- Resolution Sites can be updated when updating a zone by specifying an Account Site Option Name. The available Account Site Option Names can be retrieved using the `getCustomerSiteOptionList` API.
- This API will not accept the old site options any more (Standard, Expanded or Old Expanded).
- If the account has white labeled name servers, the site option that is associated with the zone will have white labeled name servers.
- Site option is not a required element. Omitting the site option element will result in retaining the existing site option.
- Customer Name Servers are configured when updating a zone by specifying the `primaryNameServerId` and the `secondaryNameServerId`. These are name servers belonging to the Customer from which Zone Transfers can be performed to sync up Zone information. The Name Server ID's can be retrieved using the `getCustomerNameServerList` API.
- Omitting `primaryNameServerId` is only allowed if the zone did not previously have Customer Name Servers configured.
- Omitting `secondaryNameServerId` results in disassociation of the previously configured Secondary Customer Name Server.

### 9.2.4 Updating a Primary Zone

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
  </soap:Header>
  <urn:UpdateZoneRequest>
    <urn:ZoneId>1234567890</urn:ZoneId>
    <urn:Status>ACTIVE</urn:Status>
    <urn:SiteOptionName>Standard</urn:SiteOptionName>
    <urn:PrimaryNameServerId>1234567890</urn:PrimaryNameServerId>
    <urn:SecondaryNameServerId>1234567890</urn:SecondaryNameServerId>
  </urn:UpdateZoneRequest>
</soap:Envelope>
```

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```

    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:updateZone>
      <urn2:domainName>SOMEZONE.COM</urn2:domainName>
      <urn2:status>ACTIVE</urn2:status>
      <urn2:accountSiteOptionName>Global</urn2:accountSiteOptionName>
      <urn2:dnssecConfig>
        <urn2:nsecOption>NSEC3_NO_OPT_OUT</urn2:nsecOption>
      </urn2:dnssecConfig>
      <urn2:comments>COMMENTS GO HERE</urn2:comments>
    </urn2:updateZone>
  </soap:Body>
</soap:Envelope>

```

### 9.2.5 Updating a Secondary Zone

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:updateZone xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:domainName>SOMEZONE.COM</ns3:domainName>
      <ns3:status>ACTIVE</ns3:status>
      <ns3:accountSiteOptionName>Global</ns3:accountSiteOptionName>
      <urn2:primaryNameServerId>5399</urn2:primaryNameServerId>
      <urn2:secondaryNameServerId>5837</urn2:secondaryNameServerId>
    </ns3:updateZone>
  </S:Body>
</S:Envelope>

```

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```

    <ns3:comments>COMMENTS GO HERE</ns3:comments>
  </ns3:updateZone>
</S:Body>
</S:Envelope>

```

### 9.2.6 Response for Primary zone

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:updateZoneRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:zoneInfo>
        <ns2:domainName>SOMEZONE.COM</ns2:domainName>
        <ns2:type>DNS Hosting</ns2:type>
        <ns2:status>ACTIVE</ns2:status>
        <ns2:createTimestamp>2011-01-21T16:15:07.000-05:00</ns2:createTimestamp>
        <ns2:updateTimestamp>2011-01-21T16:54:48.000-05:00</ns2:updateTimestamp>
        <ns2:dnssecInfo>
          <ns2:dnssecConfig>
            <ns2:nsecOption>NSEC3_NO_OPT_OUT</ns2:nsecOption>
          </ns2:dnssecConfig>
        </ns2:dnssecInfo>
      </ns2:zoneInfo>
    </ns2:updateZoneRes>
  </S:Body>
</S:Envelope>

```

### 9.2.7 Response for Secondary zone

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:updateZoneRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:updateZoneRes>
  </S:Body>
</S:Envelope>

```

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```

        <ns2:zoneInfo>
          <ns2:domainName>SOMEZONE.COM</ns2:domainName>
          <ns2:type>Backup DNS</ns2:type>
          <ns2:status>ACTIVE</ns2:status>
          <ns2:createTimestamp>2011-01-21T16:15:07.000-05:00</ns2:createTimestamp>
          <ns2:updateTimestamp>2011-01-21T16:54:48.000-05:00</ns2:updateTimestamp>
        </ns2:zoneInfo>
      </ns2:updateZoneRes>
    </S:Body>
  </S:Envelope>

```

### 9.3 DELETEZONE

This API enables the user to delete a Primary or Secondary Zone.

#### 9.3.1 Definitions

Field	Definition
domainName	The zone name for this zone.
comments	Comments for this operation.

#### 9.3.2 Request

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:deleteZone xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:domainName>SOMEZONE.COM</ns3:domainName>
      <ns3:comments>COMMENT GO HERE</ns3:comments>
    </ns3:deleteZone>
  </S:Body>
</S:Envelope>

```

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### 9.3.3 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </env:Body>
</env:Envelope>
```

## 9.4 CONVERTPRIMARY2SECONDARY

This API enables the user to convert a Primary to Secondary Zone.

### 9.4.1 Definitions

Field	Definition
zoneName	The zone name for this zone.
primaryNameServerIP	The IP address for a customer name server that will act as the primary name server for a secondary zone.

### 9.4.2 Usage

- If the primary zone has resource records with features such as Failover, Geolocation, Signing, Scripting and Load Balance, these features has to be disabled on these resource records before converting from primary to secondary.

### 9.4.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <urn2:convertPrimary2Secondary/>
</soap:Envelope>
```

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```

        </urn1:userToken>
    </urn1:authInfo>
</soap:Header>
<soap:Body>
    <urn2:convertPrimary2Secondary>
        <urn2:zoneName>SOMEDOMAIN.COM</urn2:zoneName>
        <urn2:primaryNameServerIP>IP_ADDRESS</urn2:primaryNameServerIP>
    </urn2:convertPrimary2Secondary>
</soap:Body>
</soap:Envelope>

```

#### 9.4.4 Response for Primary Zone

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
    <S:Body>
        <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
            <ns2:callSuccess>true</ns2:callSuccess>
        </ns2:dnsaWSRes>
    </S:Body>
</S:Envelope>

```

### 9.5 CONVERTSECONDARY2PRIMARY

This API enables the user to convert a Secondary to Primary Zone.

#### 9.5.1 Definitions

Field	Definition
domainName	The zone name for this zone.
accountSiteOptionName	The name for the site option being used with the zone.

#### 9.5.2 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
    <soap:Header>
        <urn:reliableMessageReq>
            <urn:DuplicateElimination/>
        </urn:reliableMessageReq>
        <urn1:authInfo>
            <urn1:userToken>
                <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
                <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
            </urn1:userToken>
        </urn1:authInfo>
    </soap:Header>
    <urn2:convertPrimary2Secondary>
        <urn2:zoneName>SOMEDOMAIN.COM</urn2:zoneName>
        <urn2:primaryNameServerIP>IP_ADDRESS</urn2:primaryNameServerIP>
    </urn2:convertPrimary2Secondary>
</soap:Envelope>

```

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```

    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:convertSecondary2Primary normalize="false">
      <urn2:domainName>SOMEDOMAIN.COM</urn2:domainName>
      <urn2:accountSiteOptionName>SITEOPTION</urn2:accountSiteOptionName>
      <urn2:comments>COMMENTS</urn2:comments>
    </urn2:convertSecondary2Primary>
  </soap:Body>
</soap:Envelope>

```

### 9.5.3 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>

```

## 9.6 GETZONELIST

This API enables the user to retrieve the zone list for the account.

### 9.6.1 Definitions

Field	Definition
pageNumber	The page number being requested. Defaults to page 1.
pageSize	The maximum number of records per page. Defaults to 100.
totalCount	The total number of records for the query, ignoring page parameters. This is not necessarily the number of records returned in this call.
domainName	The domain name for this domain.
type	The domain type for this domain. Domain type is DNS Hosting for primary zones and Backup DNS for secondary zones.
status	The zone status for this zone. Zone status may be ACTIVE, HOLD, or INCOMPLETE.
createTimestamp	Create Time stamp for this domain.
updateTimestamp	Update Time stamp for this domain.
geoLocationEnabled	Indicates if the domain had Geo Location enabled.
nsecOption	NSEC option for signed domains.



### 9.6.2 Usage

- Paging information can be provided to this API in order to implement list paging. If the `listPagingInfo` element is omitted, the API will return up to the first 100 zones.
- Page Size cannot exceed 500.
- Returned records are sorted by Zone Type first (Primary Zones ahead of Secondary Zones), then by Zone Name.

### 9.6.3 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:getZoneList xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:listPagingInfo>
        <ns3:pageNumber>1</ns3:pageNumber>
        <ns3:pageSize>50</ns3:pageSize>
      </ns3:listPagingInfo>
    </ns3:getZoneList>
  </S:Body>
</S:Envelope>
```

### 9.6.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
```

```

<ns3:getZoneListRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
  <ns3:callSuccess>true</ns3:callSuccess>
  <ns3:totalCount>3</ns3:totalCount>
  <ns3:zoneInfo>
    <ns3:domainName>ttl2.com</ns3:domainName>
    <ns3:type>DNS Hosting</ns3:type>
    <ns3:status>ACTIVE</ns3:status>
    <ns3:createTimestamp>2011-05-03T21:17:03.000-04:00</ns3:createTimestamp>
    <ns3:updateTimestamp>2011-05-03T21:17:04.000-04:00</ns3:updateTimestamp>
    <ns3:geoLocationEnabled>No</ns3:geoLocationEnabled>
  </ns3:zoneInfo>
  <ns3:zoneInfo>
    <ns3:domainName>ttltest.com</ns3:domainName>
    <ns3:type>DNS Hosting</ns3:type>
    <ns3:status>ACTIVE</ns3:status>
    <ns3:createTimestamp>2011-05-03T20:50:53.000-04:00</ns3:createTimestamp>
    <ns3:updateTimestamp>2011-05-05T14:36:21.000-04:00</ns3:updateTimestamp>
    <ns3:dnssecInfo>
      <ns3:dnssecConfig>
        <ns3:nsecOption>NSEC3_NO_OPT_OUT</ns3:nsecOption>
      </ns3:dnssecConfig>
    </ns3:dnssecInfo>
    <ns3:geoLocationEnabled>No</ns3:geoLocationEnabled>
  </ns3:zoneInfo>
  <ns3:zoneInfo>
    <ns3:domainName>2test.com</ns3:domainName>
    <ns3:type>Backup DNS</ns3:type>
    <ns3:status>INCOMPLETE</ns3:status>
    <ns3:createTimestamp>2011-05-06T20:15:26.000-04:00</ns3:createTimestamp>
    <ns3:updateTimestamp>2011-05-06T20:15:26.000-04:00</ns3:updateTimestamp>
    <ns3:geoLocationEnabled>No</ns3:geoLocationEnabled>
  </ns3:zoneInfo>
</ns3:getZoneListRes>
</S:Body>
</S:Envelope>

```

## 9.7 GETZONEINFO

This API enables the user to retrieve the zone details for a zone.

### 9.7.1 Definitions

Field	Definition
domainName	The zone name for this zone.

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Field	Definition
type	The zone type for this zone. Zone type is DNS Hosting for primary zones and Backup DNS for secondary zones.
status	The zone status for this zone. Zone status may be ACTIVE, HOLD, or INCOMPLETE.
createTimestamp	The contact phone number for this user.
updateTimestamp	The user type for this user. User type may be MASTER, REGULAR, or READ ONLY.
email(SOA)	The email of the contact person responsible for the zone.
retry(SOA)	The time interval that should elapse before a failed refresh is retried.
ttl(SOA)	The default TTL value for the zone.
refresh(SOA)	The time interval that should elapse before a zone is refreshed.
expire(SOA)	The upper limit on the time interval that can elapse before the zone is no longer authoritative.
serial(SOA)	The version number of the zone.
serviceLevel	The service level for a primary zone. Service Level may be LIMITED or COMPLETE.
cloakingEnabled(WebForward)	The flag to enable cloaking for the domain being forwarded. When cloaking is enabled, the original domain name is retained in the user's browser.
permanentForward(WebForward)	The flag to enable permanent forwarding.
relative(WebForward)	The flag to enable relative forwarding.
originatingDomainName (WebForward)	The domain name being redirected.
forwardingURL(WebForward)	The url to which the domain is being redirected.
parkingEnable(WebParking)	The flag to enable web parking.
pageType(WebParking)	The type of page to server up for web parking. Page type may be FOR_SALE_PAGE or UNDER_CONSTRUCTION_PAGE.
virtualNameServerId (Verisign Name Server)	The ID for a Verisign name server.
name (Verisign Name Server)	The host name for a Verisign name server.
ipAddress (Verisign Name Server)	The IP address for a Verisign name server.
Location (Verisign Name Server)	The physical location for a Verisign name server.
fromIPAddress(Allow Transfer)	The from IP address for an allow transfer IP range or an allow transfer IP.

Field	Definition
toIPAddress(Allow Transfer)	The to IP address for an allow transfer IP range.
owner(Resource Record)	The name of the node to which this resource record pertains.
type(Resource Record)	The resource record type.
ttl(Resource Record)	The time interval that a resource record may be cached before the source of the information should again be consulted.
rData(Resource Record)	The data for the resource record.
nameServerId	The identifier for a customer's name server within DNSAS.
name	The name of a customer name server.
ipAddress	The IP address of a customer name server
TSIGKeyName	The TSIG key name for a customer name server.
TSIGKey	The TSIG key for a customer name server.
distroNameServerIP	
activeKSK	Active KSK
activeStartDate	Start date of active KSK
activeEndDate	End date of active KSK
viewName	View Name of the View that the Geo Located zone is associated to.

### 9.7.2 Usage

- The excludeResourceRecords flag can be set on Primary Zones to prevent resource record, web parking and web forwarding information from being returned. Omitting the flag will cause resource records to be included in the response. The excludeResourceRecords flag is ignored for Secondary Zones.
- Resource Records can be retrieved for Primary domains with split zones by giving the View name element in the request.
- Resource Records can be retrieved for the default zone of Primary domains with split zones by leaving the View name element blank in the request.
- The name servers returned in this call will reflect the name servers that exist in the zone file. For example, if the name servers are white labeled, this API will return the white labeled name servers.

### 9.7.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
  </soap:Header>
  <urn:body/>
</soap:Envelope>
```

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```

    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getZoneInfo>
      <urn2:domainName>SOMEZONE.COM</urn2:domainName>
      <urn2:viewName>View Name</urn2:viewName>
    </urn2:getZoneInfo>
  </soap:Body>
</soap:Envelope>

```

### 9.7.4 Response for a Primary Zone

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:getZoneInfoRes xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns="urn:com:verisign:dnsa:api:schema:2">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:primaryZoneInfo>
        <ns2:domainName>demo.com</ns2:domainName>
        <ns2:type>DNS Hosting</ns2:type>
        <ns2:status>ACTIVE</ns2:status>
        <ns2:createTimestamp>2011-10-18T14:47:17.000-04:00</ns2:createTimestamp>
        <ns2:updateTimestamp>2011-10-18T15:28:45.000-04:00</ns2:updateTimestamp>
        <ns2:zoneSOAInfo>
          <ns2:email>dnssupport.verisign-grs.com</ns2:email>
          <ns2:retry>7200</ns2:retry>
          <ns2:ttl>86400</ns2:ttl>
          <ns2:refresh>28800</ns2:refresh>
          <ns2:expire>1209600</ns2:expire>
          <ns2:serial>2240655505</ns2:serial>
        </ns2:zoneSOAInfo>
        <ns2:serviceLevel>COMPLETE</ns2:serviceLevel>
        <ns2:webParking>
          <ns2:parkingEnabled>false</ns2:parkingEnabled>
        </ns2:webParking>
      </ns2:primaryZoneInfo>
    </ns2:getZoneInfoRes>
  </S:Body>
</S:Envelope>

```

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```

</ns2:webParking>
<ns2:verisignNSInfo>
  <ns2:virtualNameServerId>10</ns2:virtualNameServerId>
  <ns2:name>a1.verisigndns.com</ns2:name>
  <ns2:ipAddress>209.112.113.33</ns2:ipAddress>
  <ns2:ipv6Address>2001:0500:856E::33</ns2:ipv6Address>
  <ns2:location>Anycast Global</ns2:location>
</ns2:verisignNSInfo>
<ns2:verisignNSInfo>
  <ns2:virtualNameServerId>11</ns2:virtualNameServerId>
  <ns2:name>a2.verisigndns.com</ns2:name>
  <ns2:ipAddress>209.112.114.33</ns2:ipAddress>
  <ns2:ipv6Address>2001:0500:7967::33</ns2:ipv6Address>
  <ns2:location>Anycast 1</ns2:location>
</ns2:verisignNSInfo>
<ns2:verisignNSInfo>
  <ns2:virtualNameServerId>12</ns2:virtualNameServerId>
  <ns2:name>a3.verisigndns.com</ns2:name>
  <ns2:ipAddress>69.36.145.33</ns2:ipAddress>
  <ns2:ipv6Address>2001:0502:CBE4::33</ns2:ipv6Address>
  <ns2:location>Anycast 2</ns2:location>
</ns2:verisignNSInfo>
<ns2:verisignNSInfo>
  <ns2:virtualNameServerId>13</ns2:virtualNameServerId>
  <ns2:name>u1.verisigndns.com</ns2:name>
  <ns2:ipAddress>69.36.146.33</ns2:ipAddress>
  <ns2:location>Unicast North America</ns2:location>
</ns2:verisignNSInfo>
<ns2:verisignNSInfo>
  <ns2:virtualNameServerId>15</ns2:virtualNameServerId>
  <ns2:name>u3.verisigndns.com</ns2:name>
  <ns2:ipAddress>72.13.47.33</ns2:ipAddress>
  <ns2:location>Unicast Asia Pacific</ns2:location>
</ns2:verisignNSInfo>
</ns2:primaryZoneInfo>
</ns2:getZoneInfoRes>
</S:Body>
</S:Envelope>

```

### 9.7.5 Response for a Secondary Zone

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>

```

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```

</ns4:reliableMessageRes>
</env:Header>
<env:Body>
  <getZoneInfoRes xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
    <callSuccess>true</callSuccess>
    <secondaryZoneInfo>
      <domainName>SECONDARYZONE.COM</domainName>
      <type>Backup DNS</type>
      <status>ACTIVE</status>
      <createTimestamp>2009-11-12T18:01:25.000-05:00</createTimestamp>
      <updateTimestamp>2009-11-12T18:01:25.000-05:00</updateTimestamp>
      <customerPrimaryNameServerInfo>
        <nameServerId>9999</nameServerId>
        <name>NS1.SECONDARYZONE.COM</name>
        <ipAddress>15.15.15.15</ipAddress>
        <TSIGKeyName>srv99999999</TSIGKeyName>
        <TSIGKey>/cqdxrrNGD7CMNo0C7jwGw==</TSIGKey>
      </customerPrimaryNameServerInfo>
      <customerSecondaryNameServerInfo>
        <nameServerId>9998</nameServerId>
        <name>NS2.SECONDARYZONE.COM</name>
        <ipAddress>15.15.15.16</ipAddress>
        <TSIGKeyName>srv99999998</TSIGKeyName>
        <TSIGKey>J8LZn//KD83SHo5LjqpbQ==</TSIGKey>
      </customerSecondaryNameServerInfo>
      <distroNameServerIP>198.41.3.110</distroNameServerIP>
      <distroNameServerIP>172.17.148.221</distroNameServerIP>
    </secondaryZoneInfo>
  </getZoneInfoRes>
</env:Body>
</env:Envelope>

```

## 9.8 GETZONEINFO\_V2

This API enables the user to retrieve the zone details for a zone. This new version shows new version of Web Forwarding record i.e., with multiple paths.

### 9.8.1 Definitions

Field	Definition
domainName	The zone name for this zone.
type	The zone type for this zone. Zone type is DNS Hosting for primary

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Field	Definition
	zones and Backup DNS for secondary zones.
status	The zone status for this zone. Zone status may be ACTIVE, HOLD, or INCOMPLETE.
createTimestamp	The contact phone number for this user.
updateTimestamp	The user type for this user. User type may be MASTER, REGULAR, or READ ONLY.
email(SOA)	The email of the contact person responsible for the zone.
retry(SOA)	The time interval that should elapse before a failed refresh is retried.
ttl(SOA)	The default TTL value for the zone.
refresh(SOA)	The time interval that should elapse before a zone is refreshed.
expire(SOA)	The upper limit on the time interval that can elapse before the zone is no longer authoritative.
serial(SOA)	The version number of the zone.
serviceLevel	The service level for a primary zone. Service Level may be LIMITED or COMPLETE.
owner(WebForward)	Owner name of the WebForward record.
cloakingEnabled(WebForward)	The flag to enable cloaking for the domain being forwarded. When cloaking is enabled, the original domain name is retained in the user's browser.
permanentForward(WebForward)	The flag to enable permanent forwarding.
relative(WebForward)	The flag to enable relative forwarding.
path(WebForward)	Path is appended to the Forwarding URL. Assumes exact match (including case) unless trailing wildcard character * is append to the end of the path.
forwardingURL(WebForward)	The url to which the domain is being redirected.
parkingEnable(WebParking)	The flag to enable web parking.
pageType(WebParking)	The type of page to server up for web parking. Page type may be FOR_SALE_PAGE or UNDER_CONSTRUCTION_PAGE.
virtualNameServerId (Verisign Name Server)	The ID for a Verisign name server.
name (Verisign Name Server)	The host name for a Verisign name server.
ipAddress (Verisign Name Server)	The IP address for a Verisign name server.
Location (Verisign Name Server)	The physical location for a Verisign name server.
fromIPAddress(Allow Transfer)	The from IP address for an allow transfer IP range or an allow transfer

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Field	Definition
	IP.
toIPAddress(Allow Transfer)	The to IP address for an allow transfer IP range.
owner(Resource Record)	The name of the node to which this resource record pertains.
type(Resource Record)	The resource record type.
ttl(Resource Record)	The time interval that a resource record may be cached before the source of the information should again be consulted.
rData(Resource Record)	The data for the resource record.
nameServerId	The identifier for a customer's name server within DNSAS.
name	The name of a customer name server.
ipAddress	The IP address of a customer name server
TSIGKeyName	The TSIG key name for a customer name server.
TSIGKey	The TSIG key for a customer name server.
distroNameServerIP	
activeKSK	Active KSK
activeStartDate	Start date of active KSK
activeEndDate	End date of active KSK
viewName	View Name of the View that the Geo Located zone is associated to.

### 9.8.2 Usage

- The excludeResourceRecords flag can be set on Primary Zones to prevent resource record, web parking and web forwarding information from being returned. Omitting the flag will cause resource records to be included in the response. The excludeResourceRecords flag is ignored for Secondary Zones.
- Resource Records can be retrieved for Primary domains with split zones by giving the View name element in the request.
- Resource Records can be retrieved for the default zone of Primary domains with split zones by leaving the View name element blank in the request.
- The name servers returned in this call will reflect the name servers that exist in the zone file. For example, if the name servers are white labeled, this API will return the white labeled name servers.

### 9.8.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
```

```

    <urn:reliableMessageReq>
      <urn:MessageId>?</urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getZoneInfo_V2>
      <urn2:domainName>SOMEZONE.COM</urn2:domainName>
      <urn2:viewName>View Name</urn2:viewName>
    </urn2:getZoneInfo_V2>
  </soap:Body>
</soap:Envelope>

```

#### 9.8.4 Response for a Primary Zone

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:getZoneInfoRes_V2 xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns="urn:com:verisign:dnsa:api:schema:2">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:primaryZoneInfo>
        <ns2:domainName>demo.com</ns2:domainName>
        <ns2:type>DNS Hosting</ns2:type>
        <ns2:status>ACTIVE</ns2:status>
        <ns2:createTimestamp>2011-10-18T14:47:17.000-04:00</ns2:createTimestamp>
        <ns2:updateTimestamp>2011-10-18T15:28:45.000-04:00</ns2:updateTimestamp>
        <ns2:zoneSOAInfo>
          <ns2:email>dnssupport.verisign-grs.com</ns2:email>
          <ns2:retry>7200</ns2:retry>
          <ns2:ttl>86400</ns2:ttl>
          <ns2:refresh>28800</ns2:refresh>
          <ns2:expire>1209600</ns2:expire>
          <ns2:serial>2240655505</ns2:serial>
        </ns2:zoneSOAInfo>
      </ns2:primaryZoneInfo>
    </ns2:getZoneInfoRes_V2>
  </S:Body>
</S:Envelope>

```

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```

<ns2:serviceLevel>COMPLETE</ns2:serviceLevel>
<webForwardRecordDetails>
  <owner>OWNERNAME</owner>
  <webForwardRecord_V2>
    <cloakingEnabled>>false</cloakingEnabled>
    <permanentForward>>false</permanentForward>
    <relative>>false</relative>
    <path>/</path>
    <forwardingURL>http://url.com</forwardingURL>
  </webForwardRecord_V2>
  <webForwardRecord_V2>
    <cloakingEnabled>>false</cloakingEnabled>
    <permanentForward>>false</permanentForward>
    <relative>>true</relative>
    <relativeType>PARAMETER</relativeType>
    <path>*/</path>
    <forwardingURL>http://url.com</forwardingURL>
  </webForwardRecord_V2>
</webForwardRecordDetails>
<ns2:webParking>
  <ns2:parkingEnabled>>false</ns2:parkingEnabled>
</ns2:webParking>
<ns2:verisignNSInfo>
  <ns2:virtualNameServerId>10</ns2:virtualNameServerId>
  <ns2:name>a1.verisigndns.com</ns2:name>
  <ns2:ipAddress>209.112.113.33</ns2:ipAddress>
  <ns2:ipv6Address>2001:0500:856E::33</ns2:ipv6Address>
  <ns2:location>Anycast Global</ns2:location>
</ns2:verisignNSInfo>
<ns2:verisignNSInfo>
  <ns2:virtualNameServerId>11</ns2:virtualNameServerId>
  <ns2:name>a2.verisigndns.com</ns2:name>
  <ns2:ipAddress>209.112.114.33</ns2:ipAddress>
  <ns2:ipv6Address>2001:0500:7967::33</ns2:ipv6Address>
  <ns2:location>Anycast 1</ns2:location>
</ns2:verisignNSInfo>
<ns2:verisignNSInfo>
  <ns2:virtualNameServerId>12</ns2:virtualNameServerId>
  <ns2:name>a3.verisigndns.com</ns2:name>
  <ns2:ipAddress>69.36.145.33</ns2:ipAddress>
  <ns2:ipv6Address>2001:0502:CBE4::33</ns2:ipv6Address>
  <ns2:location>Anycast 2</ns2:location>
</ns2:verisignNSInfo>
<ns2:verisignNSInfo>
  <ns2:virtualNameServerId>13</ns2:virtualNameServerId>
  <ns2:name>u1.verisigndns.com</ns2:name>

```

```

        <ns2:ipAddress>69.36.146.33</ns2:ipAddress>
        <ns2:location>Unicast North America</ns2:location>
    </ns2:verisignNSInfo>
    <ns2:verisignNSInfo>
        <ns2:virtualNameServerId>15</ns2:virtualNameServerId>
        <ns2:name>u3.verisigndns.com</ns2:name>
        <ns2:ipAddress>72.13.47.33</ns2:ipAddress>
        <ns2:location>Unicast Asia Pacific</ns2:location>
    </ns2:verisignNSInfo>
</ns2:primaryZoneInfo>
</ns2:getZoneInfoRes_V2>
</S:Body>
</S:Envelope>

```

### 9.8.5 Response for a Secondary Zone

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
    <env:Header>
        <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
            <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
        </ns4:reliableMessageRes>
    </env:Header>
    <env:Body>
        <getZoneInfoRes_V2 xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
            <callSuccess>true</callSuccess>
            <secondaryZoneInfo>
                <domainName>SECONDARYZONE.COM</domainName>
                <type>Backup DNS</type>
                <status>ACTIVE</status>
                <createTimestamp>2009-11-12T18:01:25.000-05:00</createTimestamp>
                <updateTimestamp>2009-11-12T18:01:25.000-05:00</updateTimestamp>
                <customerPrimaryNameServerInfo>
                    <nameServerId>9999</nameServerId>
                    <name>NS1.SECONDARYZONE.COM</name>
                    <ipAddress>15.15.15.15</ipAddress>
                    <TSIGKeyName>srv9999999</TSIGKeyName>
                    <TSIGKey>/cqdxrrNGD7CMNo0C7jwGw==</TSIGKey>
                </customerPrimaryNameServerInfo>
                <customerSecondaryNameServerInfo>
                    <nameServerId>9998</nameServerId>
                    <name>NS2.SECONDARYZONE.COM</name>
                    <ipAddress>15.15.15.16</ipAddress>
                    <TSIGKeyName>srv9999998</TSIGKeyName>
                    <TSIGKey>J8LZn/KD83SHo5LjqbbQ==</TSIGKey>
                </customerSecondaryNameServerInfo>
            </secondaryZoneInfo>
        </getZoneInfoRes_V2>
    </env:Body>
</env:Envelope>

```

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```

    </customerSecondaryNameServerInfo>
    <distroNameServerIP>198.41.3.110</distroNameServerIP>
    <distroNameServerIP>172.17.148.221</distroNameServerIP>
  </secondaryZoneInfo>
</getZoneInfoRes_V2>
</env:Body>
</env:Envelope>

```

## 9.9 UPDATESOA

This API enables the user to update the SOA record for a Primary Zone.

### 9.9.1 Definitions

Field	Definition
domainName	The zone name for this zone.
Email	The email address applicable to the owner of the zone
retry	The time interval that should elapse before a failed refresh is retried.
ttl	The default TTL value for the zone.
refresh	The time interval that should elapse before a zone is refreshed.
expire	The upper limit on the time interval that can elapse before the zone is no longer authoritative.
Serial	The serial number of the record
comments	Comments for this operation.
viewName	View Name of the View that the Geo Located zone is associated to.

### 9.9.2 Usage

- SOA Record updates can only be performed on Primary Zones.
- SOA can be updated for Primary domains with split zones by giving the View name element in the request.
- SOA can be updated for the default zone of Primary domains with split zones by leaving the View name element blank in the request.
- SOA email address may be provided. If one not provided a default address will be applied
- SOA email must be delimited by dots (no @ allowed), and must end with a dot. Only alphanumeric characters, hyphen(-) and dot(.) are allowed.
- SOA serial number may be provided. If not provided serial will be generated or incremented by 1
- If provided, SOA serial number must be greater than existing serial number.

### 9.9.3 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"

```

```

xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId>?</urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:updateSOA>
      <urn2:domainName>SOMEPRIMARYZONE.COM</urn2:domainName>
      <urn2:viewName>View Name</urn2:viewName>
      <urn2:zoneSOAInfo>
        <urn2:email>joesmith.email.com.</email:retry>
        <urn2:retry>7200</urn2:retry>
        <urn2:ttl>172800</urn2:ttl>
        <urn2:refresh>86400</urn2:refresh>
        <urn2:expire>3600000</urn2:expire>
        <urn2:serial>1357837231</urn2:serial>
      </urn2:zoneSOAInfo>
      <urn2:comments>COMMENTS GO HERE</urn2:comments>
    </urn2:updateSOA>
  </soap:Body>
</soap:Envelope>

```

#### 9.9.4 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </env:Body>

```

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```
</env:Envelope>
```

## 9.10 CREATEPERZONEALLOWTRANSFER

This API enables the user to configure an IP address or an IP range that zone transfers (AXFR, IXFR) will be allowed from for a Primary Zone.

### 9.10.1 Definitions

Field	Definition
domainName	The zone name for this zone.
fromIPAddress	The from IP address for an allow transfer IP range or an allow transfer IP.
toIPAddress	The to IP address for an allow transfer IP range.
comments	Comments for this operation.

### 9.10.2 Usage

- Allow Transfer configuration is only applicable for Primary Zones.
- To configure a single IP address, omit the toIPAddress element.

### 9.10.3 Configuring an IP Range

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:createPerZoneAllowTransfer xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:domainName>SOMEPRIMARYZONE.COM</ns3:domainName>
      <ns3:perZoneAllowTransferRecord>
        <ns3:fromIPAddress>11.11.11.11</ns3:fromIPAddress>
        <ns3:toIPAddress>12.12.12.12</ns3:toIPAddress>
      </ns3:perZoneAllowTransferRecord>
    </ns3:createPerZoneAllowTransfer>
  </S:Body>
</S:Envelope>
```

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```

    <ns3:comments>COMMENTS GO HERE</ns3:comments>
  </ns3:createPerZoneAllowTransfer>
</S:Body>
</S:Envelope>

```

#### 9.10.4 Configuring a Transfer IP Address

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:createPerZoneAllowTransfer xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:domainName>SOMEPRIMARYZONE.COM</ns3:domainName>
      <ns3:perZoneAllowTransferRecord>
        <ns3:fromIPAddress>11.11.11.11</ns3:fromIPAddress>
      </ns3:perZoneAllowTransferRecord>
      <ns3:comments>COMMENTS GO HERE</ns3:comments>
    </ns3:createPerZoneAllowTransfer>
  </S:Body>
</S:Envelope>

```

#### 9.10.5 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>

```



```

<ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
  <ns2:callSuccess>true</ns2:callSuccess>
</ns2:dnsaWSRes>
</env:Body>
</env:Envelope>

```

## 9.11 DELETEPERZONEALLOWTRANSFER

This API enables the user to remove a previously configured IP address or IP range that zone transfers (AXFR, IXFR) are allowed from, for a Primary Zone.

### 9.11.1 Definitions

Field	Definition
domainName	The zone name for this zone.
fromIPAddress	The from IP address for an allow transfer IP range or an allow transfer IP.
toIPAddress	The to IP address for an allow transfer IP range.
comments	Comments for this operation.

### 9.11.2 Usage

- Deleting Allow Transfer configuration is only applicable for Primary Zones.

### 9.11.3 Deleting an IP Range

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:createPerZoneAllowTransfer xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:domainName>SOMEPRIMARYZONE.COM</ns3:domainName>

```

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```

        <ns3:perZoneAllowTransferRecord>
            <ns3:fromIPAddress>11.11.11.11</ns3:fromIPAddress>
            <ns3:toIPAddress>12.12.12.12</ns3:toIPAddress>
        </ns3:perZoneAllowTransferRecord>
        <ns3:comments>COMMENTS GO HERE</ns3:comments>
    </ns3:createPerZoneAllowTransfer>
</S:Body>
</S:Envelope>

```

#### 9.11.4 Deleting a Transfer IP Address

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
    <S:Header>
        <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
            <ns2:userToken>
                <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
                <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
            </ns2:userToken>
        </ns2:authInfo>
        <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
            <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
        </ns3:reliableMessageReq>
    </S:Header>
    <S:Body>
        <ns3:createPerZoneAllowTransfer xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
            <ns3:domainName>SOMEPRIMARYZONE.COM</ns3:domainName>
            <ns3:perZoneAllowTransferRecord>
                <ns3:fromIPAddress>11.11.11.11</ns3:fromIPAddress>
            </ns3:perZoneAllowTransferRecord>
            <ns3:comments>COMMENTS GO HERE</ns3:comments>
        </ns3:createPerZoneAllowTransfer>
    </S:Body>
</S:Envelope>

```

#### 9.11.5 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
    <env:Header>
        <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
            <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
        </ns4:reliableMessageRes>
    </env:Header>
    <env:Body>
        <ns3:perZoneAllowTransferRecord xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
            <ns3:fromIPAddress>11.11.11.11</ns3:fromIPAddress>
        </ns3:perZoneAllowTransferRecord>
    </env:Body>
</env:Envelope>

```

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```

</env:Header>
<env:Body>
  <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
    <ns2:callSuccess>true</ns2:callSuccess>
  </ns2:dnsaWSRes>
</env:Body>
</env:Envelope>

```

## 9.12 CREATEWEBFORWARD

This API has been deprecated. Please use CREATEWEBFORWARD\_V2.

## 9.13 CREATEWEBFORWARD\_V2

This API enables the user to configure multi path Web Forwarding for domain names.

### 9.13.1 Definitions

Field	Definition
zoneName	The zone name for this zone.
owner	The name of the node to which this resource record pertains.
override	Flag to override the existing record (Record with the same owner name).
cloakingEnabled	The flag to enable cloaking for the domain being forwarded. When cloaking is enabled, the forwarding URL will not display in the users browser.
permanentForward	When permanentForward is enabled it will respond with a 301 permanent redirect.
relative	When relative flag is enabled it will append either the path or parameter or both from incoming URL to the Forwarding URL based on the option specified under relativeType.
relativeType	RelativeType is optional unless relative flag is set to true. The 3 options for relativeType are <ol style="list-style-type: none"> <li>1. PARAMETER</li> <li>2. PATH</li> <li>3. PATH &amp; PARAMETER</li> </ol>
path	Path is appended to the Forwarding URL. Assumes exact match (including case) unless trailing wildcard character * is append to the end of the path.
forwardingURL	The URL to which the web queries are being redirected to.

### 9.13.2 Usage

- Web Forwarding can only be configured for Primary Zones.
- Web Forwarding redirects web queries to a Forwarding URL based on the incoming URL.
- The forwarding URL needs to be a valid URL. HTTP and HTTPS are the only supported protocols.

### 9.13.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:userToken>
      <urn1:userName>DIRECT_CUSTOMER_USER</ns2:userName>
      <urn1:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
    </urn1:userToken>
  </urn1:authInfo>
</soap:Header>
<soap:Body>
  <urn2:createWebForward_V2>
    <urn2:zoneName>SOMEPRIMARYZONE.COM</urn2:zoneName>
    <urn2:owner>WF.SOMEPRIMARYZONE.COM.</urn2:owner>
    <urn2:override>true</urn2:override>
    <urn2:webForwardRecord_V2>
      <urn2:cloakingEnabled>true</urn2:cloakingEnabled>
      <urn2:permanentForward>false</urn2:permanentForward>
      <urn2:relative>true</urn2:relative>
      <urn2:relativeType>PATH & PARAMETER</urn2:relativeType>
      <urn2:path>/*</urn2:path>
      <urn2:forwardingURL>http://FORWARDINGURL.COM</urn2:forwardingURL>
    </urn2:webForwardRecord_V2>
  </urn2:createWebForward_V2>
</soap:Body>
</soap:Envelope>
```

### 9.13.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
```

## 9.14 UPDATEWEBFORWARD

This API has been deprecated. Please use UPDATEWEBFORWARD\_V2.

## 9.15 UPDATEWEBFORWARD\_V2

This API enables the user to update Web Forwarding for domain names.

### 9.15.1 Definitions

Field	Definition
zoneName	The zone name for this zone.
owner	The name of the node to which this resource record pertains.
override	Flag to override the existing record with the same owner name.
cloakingEnabled	The flag to enable cloaking for the domain being forwarded. When cloaking is enabled, the forwarding URL will not display in the users browser.
permanentForward	When permanentForward is enabled it will respond with a 301 permanent redirect.
relative	When relative flag is enabled it will append either the path or parameter or both from incoming URL to the Forwarding URL based on the option specified under relativeType.
relativeType	This is required only when relative flag is set to true. The 3 options for relativeType are <ol style="list-style-type: none"> <li>4. PARAMETER</li> <li>5. PATH</li> <li>6. PATH &amp; PARAMETER</li> </ol>
path	Path is appended to the Forwarding URL. Assumes exact match (including case) unless trailing wildcard character * is append to the end of the path.
forwardingURL	The URL to which the web queries are being redirected to.

### 9.15.2 Usage

- Web Forwarding can only be configured for Primary Zones.
- Web Forwarding redirects web queries to a Forwarding URL based on the incoming URL.
- The forwarding URL needs to be a valid URL. HTTP and HTTPS are the only supported protocols.
- The Zone Name and Owner Name is used to locate the Web Forwarding record to update.

### 9.15.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:userToken>
      <urn1:userName>DIRECT_CUSTOMER_USER</ns2:userName>
      <urn1:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
    </urn1:userToken>
  </urn1:authInfo>
</soap:Header>
<soap:Body>
  <urn2:updateWebForward_V2>
    <urn2:zoneName>SOMEPRIMARYZONE.COM</urn2:zoneName>
    <urn2:owner>WF.SOMEPRIMARYZONE.COM.</urn2:owner>
    <urn2:override>true</urn2:override>
    <urn2:webForwardRecord_V2>
      <urn2:cloakingEnabled>true</urn2:cloakingEnabled>
      <urn2:permanentForward>false</urn2:permanentForward>
      <urn2:relative>true</urn2:relative>
      <urn2:relativeType>PATH & amp; PARAMETER</urn2:relativeType>
      <urn2:path>/*</urn2:path>
      <urn2:forwardingURL>http://FORWARDINGURL.COM</urn2:forwardingURL>
    </urn2:webForwardRecord_V2>
    <urn2:webForwardRecord_V2>
      <urn2:cloakingEnabled>false</urn2:cloakingEnabled>
      <urn2:permanentForward>false</urn2:permanentForward>
      <urn2:relative>true</urn2:relative>
      <urn2:relativeType>PATH</urn2:relativeType>
      <urn2:path>/*</urn2:path>
      <urn2:forwardingURL>http://FORWARDINGURL.COM</urn2:forwardingURL>
    </urn2:webForwardRecord_V2>
  </urn2:updateWebForward_V2>
</soap:Body>
</soap:Envelope>
```

### 9.15.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>
```

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```

    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>

```

## 9.16 DELETEWEBFORWARD

This API has been deprecated. Please use DELETEWEBFORWARD\_V2.

## 9.17 DELETEWEBFORWARD\_V2

This API enables the user to delete a previously configured Web Forwarding for a domain name.

### 9.17.1 Definitions

Field	Definition
zoneName	The zone name for this zone.
owner	The name of the node to which this resource record pertains.
comments	Comments for this operation.

### 9.17.2 Usage

- Web Forwarding can only be configured for Primary Zones.
- The zone name and owner is used to determine which Web Forwarding record is to be deleted.

### 9.17.3 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:userToken>
      <urn1:userName>DIRECT_CUSTOMER_USER</ns2:userName>
      <urn1:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
    </urn1:userToken>
  </urn1:authInfo>
</soap:Header>
<soap:Body>
  <urn2:deleteWebForward_V2>
    <urn2:zoneName>SOMEPRIMARYZONE.COM</urn2:zoneName>
    <urn2:owner>WF.SOMEPRIMARYZONE.COM.</urn2:owner>
    <urn2:comments>COMMENTS</urn2:comments>
  </urn2:deleteWebForward_V2>
</soap:Body>

```

```
</soap:Envelope>
```

#### 9.17.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>
```

### 9.18 UPDATEWEBPARKING

This API enables the user to configure or disable Web Parking for a Primary Zone.

#### 9.18.1 Definitions

Field	Definition
domainName	The zone name for this zone.
parkingEnabled	The flag to enable web parking.
pageType	The type of page to server up for web parking. Page type may be FOR_SALE_PAGE or UNDER_CONSTRUCTION_PAGE.
comments	Comments for this operation.

#### 9.18.2 Usage

- Web Parking can only be configured for Primary Zones.
- Web Parking is configured by setting the parkingEnabled flag to true and specifying a Page Type. Page Type may be set to FOR\_SALE\_PAGE or UNDER\_CONSTRUCTION\_PAGE.
- Web Parking is disabled by setting the parkingEnabled flag to false. In this case, the Page Type parameter is ignored.

#### 9.18.3 Configuring Web Parking

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
```



```

    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
        <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
</S:Header>
<S:Body>
    <ns3:updateWebParking xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
        <ns3:domainName>SOMEPRIMARYZONE.COM</ns3:domainName>
        <ns3:webParkingInfo>
            <ns3:parkingEnabled>true</ns3:parkingEnabled>
            <ns3:pageType>FOR_SALE_PAGE</ns3:pageType>
        </ns3:webParkingInfo>
        <ns3:comments>COMMENTS GO HERE</ns3:comments>
    </ns3:updateWebParking>
</S:Body>
</S:Envelope>

```

#### 9.18.4 Disabling Web Parking

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
    <S:Header>
        <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
            <ns2:userToken>
                <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
                <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
            </ns2:userToken>
        </ns2:authInfo>
        <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
            <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
        </ns3:reliableMessageReq>
    </S:Header>
    <S:Body>
        <ns3:updateWebParking xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
            <ns3:domainName>SOMEPRIMARYZONE.COM</ns3:domainName>
            <ns3:webParkingInfo>
                <ns3:parkingEnabled>false</ns3:parkingEnabled>
            </ns3:webParkingInfo>
            <ns3:comments>COMMENTS GO HERE</ns3:comments>
        </ns3:updateWebParking>
    </S:Body>

```

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```
</S:Envelope>
```

### 9.18.5 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </env:Body>
</env:Envelope>
```

## 9.19 GETACCOUNTZONESTATS

This API has been removed from the WSDL. See Section 12 for details on Rest APIs for DNS query reporting.

## 9.20 GETZONEHISTORY

This API enables the user to retrieve the audit history for a zone.

### 9.20.1 Definitions

Field	Definition
domainName	The zone name.
fromDate	The from date for the date range filter for zone history. From date must be in YYYYMMDD format.
toDate	The to date for the date range filter for zone history. To date must be in YYYYMMDD format.
pageNumber	The page number being requested. Defaults to page 1.
pageSize	The maximum number of records per page. Defaults to 100.
totalCount	The total number of records for the query, ignoring page parameters. This is not necessarily the number of records returned in this call.

timestamp	The timestamp for the operation.
logonName	The logon name of the user that performed the operation.
operation	The name of the operation.
detail	The operation details.
comments	The comments for the operation.

### 9.20.2 Usage

- Paging information can be provided to this API in order to implement list paging. If the listPagingInfo element is omitted, the API will return up to the first 100 accounts.
- Page Size cannot exceed 500.
- Returned records are sorted by timestamp.
- Zone history is only available for the last 6 years.
- Zone history can be retrieved for a date range. The format for dates is YYYYMMDD.

### 9.20.3 Retrieving Zone History

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:getZoneHistory xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:domainName>SOMEZONE.COM</ns3:domainName>
      <ns3:listPagingInfo>
        <ns3:pageNumber>1</ns3:pageNumber>
        <ns3:pageSize>50</ns3:pageSize>
      </ns3:listPagingInfo>
    </ns3:getZoneHistory>
  </S:Body>
</S:Envelope>
```

### 9.20.4 Retrieving Zone History for a Date Range

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:getZoneHistory xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:domainName>SOMEZONE.COM</ns3:domainName>
      <ns3:fromDate>20090901</ns3:fromDate>
      <ns3:toDate>20090930</ns3:toDate>
      <ns3:listPagingInfo>
        <ns3:pageNumber>1</ns3:pageNumber>
        <ns3:pageSize>50</ns3:pageSize>
      </ns3:listPagingInfo>
    </ns3:getZoneHistory>
  </S:Body>
</S:Envelope>
```

### 9.20.5 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:getZoneHistoryRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:totalCount>6</ns2:totalCount>
    </ns2:getZoneHistoryRes>
  </env:Body>
</env:Envelope>
```

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```

    <ns2:zoneEvent>
      <ns2:timestamp>2009-11-13T16:34:19.000-05:00</ns2:timestamp>
      <ns2:logonName>USER1</ns2:logonName>
      <ns2:operation>MOD-SOA-RECORD</ns2:operation>
      <ns2:comments>COMMENT</ns2:comments>
    </ns2:zoneEvent>
    ...
  </ns2:getZoneHistoryRes>
</S:Body>
</S:Envelope>

```

## 9.21 CLONEZONE

This API enables the user to clone resource record and SOA records from another domain in the account. The result of this operation is a new zone with the same SOA and resource records as the zone that was cloned.

### 9.21.1 Definitions

Field	Definition
domainNameToClone	The zone name to be transferred.
domainName	The Client Customer ID.
Comments	The comments for the operation.

### 9.21.2 Usage

- Only a primary zone can be cloned.
- Zone cloning can only be performed on a zone that the account owns.
- The behavior of the API will vary depending on whether the zone being cloned is signed or not. If the zone being cloned is signed, then the resulting zone will also be signed. If the zone being cloned is not signed, then the resulting zone will also not be signed.
- If a geolocated zone is being cloned, the resulting zone will be a copy of the default zone.
- The newly created zone will be an exact copy of the old zone. The new zone will be created with the same NS records that exist in the default zone irrespective of whether they are white labeled or not.

### 9.21.3 Request

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>

```

```

        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns2:cloneZone xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:domainNameToClone>dom-1275920880214.com</ns2:domainNameToClone>
      <ns2:domainName>clone-1275920880214.com</ns2:domainName>
    </ns2:cloneZone>
  </S:Body>
</S:Envelope>

```

#### 9.21.4 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns3:cloneZoneRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:callSuccess>true</ns3:callSuccess>
      <ns3:zoneInfo>
        <ns3:domainName>clone-1275920880214.com</ns3:domainName>
        <ns3:type>DNS Hosting</ns3:type>
        <ns3:status>ACTIVE</ns3:status>
        <ns3:createTimestamp>2010-06-07T10:28:31.000-04:00</ns3:createTimestamp>
        <ns3:updateTimestamp>2010-06-07T10:28:31.000-04:00</ns3:updateTimestamp>
      </ns3:zoneInfo>
    </ns3:cloneZoneRes>
  </env:Body>
</env:Envelope>

```

## 10 RESOURCE RECORD API

### 10.1 CREATERESOURCERECORDS

This API enables the user to create one or more Resource Records for a Primary Zone.

### 10.1.1 Definitions

Field	Definition
domainName	The zone name for the resource records.
Owner	The name of the node to which this resource record pertains.
Type	The resource record type.
Ttl	The time interval that a resource record may be cached before the source of the information should again be consulted.
rData	The data for the resource record.
comments	The comments for the operation.
viewName	View Name of the View that the Geo Located zone is associated to.

### 10.1.2 Usage

- Resource Records can only be created for Primary domains.
- Resource Records can be created for Primary domains with split zones by giving the View name element in the request.
- Resource Records can be created for the default zone of Primary domains with split zones by leaving the View name element blank in the request.
- The number of Resource Records included in a single call cannot exceed 500.
- The supported Resource Record Types are A, MX, PTR, AAAA, TXT, CNAME, NS, NAPTR, DS and SRV.
- Resource records with failover cannot be created using this call.
- Refer to <http://tools.ietf.org/html/rfc1035> for the proper A, MX, TXT, CNAME, and NS record formats.
- Refer to <http://tools.ietf.org/html/rfc3596> for the proper AAAA record format.
- Refer to <http://tools.ietf.org/html/rfc3403> for the proper NAPTR record format.
- Refer to <http://tools.ietf.org/html/rfc2782> for the proper SRV record format.

### 10.1.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <urn2:apiRequest>
    <urn2:apiRequestType>ADD</urn2:apiRequestType>
    <urn2:apiRequestData>
      <urn2:apiRequestDataElement>
        <urn2:apiRequestDataElementKey>domainName</urn2:apiRequestDataElementKey>
        <urn2:apiRequestDataElementValue>example.com</urn2:apiRequestDataElementValue>
      </urn2:apiRequestDataElement>
      <urn2:apiRequestDataElement>
        <urn2:apiRequestDataElementKey>Owner</urn2:apiRequestDataElementKey>
        <urn2:apiRequestDataElementValue>example.com</urn2:apiRequestDataElementValue>
      </urn2:apiRequestDataElement>
      <urn2:apiRequestDataElement>
        <urn2:apiRequestDataElementKey>Type</urn2:apiRequestDataElementKey>
        <urn2:apiRequestDataElementValue>A</urn2:apiRequestDataElementValue>
      </urn2:apiRequestDataElement>
      <urn2:apiRequestDataElement>
        <urn2:apiRequestDataElementKey>Ttl</urn2:apiRequestDataElementKey>
        <urn2:apiRequestDataElementValue>3600</urn2:apiRequestDataElementValue>
      </urn2:apiRequestDataElement>
      <urn2:apiRequestDataElement>
        <urn2:apiRequestDataElementKey>rData</urn2:apiRequestDataElementKey>
        <urn2:apiRequestDataElementValue>1.1.1.1</urn2:apiRequestDataElementValue>
      </urn2:apiRequestDataElement>
      <urn2:apiRequestDataElement>
        <urn2:apiRequestDataElementKey>comments</urn2:apiRequestDataElementKey>
        <urn2:apiRequestDataElementValue></urn2:apiRequestDataElementValue>
      </urn2:apiRequestDataElement>
      <urn2:apiRequestDataElement>
        <urn2:apiRequestDataElementKey>viewName</urn2:apiRequestDataElementKey>
        <urn2:apiRequestDataElementValue></urn2:apiRequestDataElementValue>
      </urn2:apiRequestDataElement>
    </urn2:apiRequestData>
  </urn2:apiRequest>
</soap:Envelope>
```

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```

        </urn1:userToken>
    </urn1:authInfo>
</soap:Header>
<soap:Body>
    <urn2:createResourceRecords>
        <urn2:domainName>SOMEPRIMARYZONE.COM</urn2:domainName>
        <urn2:viewName>VIEW NAME</urn2:viewName>
        <urn2:resourceRecord allowanyIP="false">
            <urn2:owner>1</urn2:owner>
            <urn2:type>A</urn2:type>
            <urn2:ttl>86400</urn2:ttl>
            <urn2:rData>20.20.20.20</urn2:rData>
        </urn2:resourceRecord>
        <urn2:comments>COMMENTS GO HERE</urn2:comments>
    </urn2:createResourceRecords>
</soap:Body>
</soap:Envelope>

```

#### 10.1.4 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
    <env:Header>
        <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
            <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
        </ns4:reliableMessageRes>
    </env:Header>
    <env:Body>
        <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
            <ns2:callSuccess>true</ns2:callSuccess>
        </ns2:dnsaWSRes>
    </env:Body>
</env:Envelope>

```

## 10.2 UPDATERESOURCERECORDS

This API enables the user to update a single Resource Record for a Primary Zone.

### 10.2.1 Definitions

Field	Definition
domainName	The zone name for the resource records.
resourceRecordId	The identifier for the resource record.
owner	The name of the node to which this resource record pertains.

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type	The resource record type.
ttl	The time interval that a resource record may be cached before the source of the information should again be consulted.
rData	The data for the resource record.
comments	The comments for the operation.
viewName	View Name of the View that the Geo Located zone is associated to.

### 10.2.2 Usage

- Resource Records can only be updated for Primary Zones.
- Resource Records can be updated for Primary domains with split zones by giving the View name element in the request.
- Resource Records can be updated for the default zone of Primary domains with split zones by leaving the View name element blank in the request.
- A Resource Record to be updated is identified by a Resource Record ID. This ID is available from the `getResourceRecordList` API.
- The supported Resource Record Types are A, MX, PTR, AAAA, TXT, CNAME, NS, NAPTR, DS and SRV.
- Resource records with failover cannot be updated using this call.
- Refer to <http://tools.ietf.org/html/rfc1035> for the proper A, MX, TXT, CNAME, and NS record formats.
- Refer to <http://tools.ietf.org/html/rfc3596> for the proper AAAA record format.
- Refer to <http://tools.ietf.org/html/rfc3403> for the proper NAPTR record format.
- Refer to <http://tools.ietf.org/html/rfc2782> for the proper SRV record format.

### 10.2.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
```

```

    <urn2:updateResourceRecord>
      <urn2:domainName>SOMEPRIMARYZONE.COM</urn2:domainName>
      <urn2:viewName>VIEW NAME</urn2:viewName>
      <urn2:resourceRecord allowanyIP="false">
        <urn2:resourceRecordId>77777</urn2:resourceRecordId>
        <urn2:owner>OWNER</urn2:owner>
        <urn2:type>A</urn2:type>
        <urn2:ttl>7200</urn2:ttl>
        <urn2:rData>12.12.12.12</urn2:rData>
      </urn2:resourceRecord>
      <urn2:comments>COMMENTS GO HERE</urn2:comments>
    </urn2:updateResourceRecord>
  </soap:Body>
</soap:Envelope>

```

#### 10.2.4 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:updateResourceRecordRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:domainName>SOMEPRIMARYZONE.COM</ns2:domainName>
      <ns2:resourceRecord>
        <ns2:resourceRecordId>77777</ns2:resourceRecordId>
        <ns2:owner>OWNER.SOMEPRIMARYZONE.COM</ns2:owner>
        <ns2:type>A</ns2:type>
        <ns2:ttl>7200</ns2:ttl>
        <ns2:rData>12.12.12.12</ns2:rData>
      </ns2:resourceRecord>
    </ns2:updateResourceRecordRes>
  </env:Body>
</env:Envelope>

```

### 10.3 DELETERESOURCERECORDS

This API enables the user to delete one or more Resource Records for a Primary Zone.

### 10.3.1 Definitions

Field	Definition
domainName	The zone name for the resource records.
resourceRecordId	The identifier for the resource record.
comments	The comments for the operation.
viewName	View Name of the View that the Geo Located zone is associated to.

### 10.3.2 Usage

- Resource Records can only be deleted for Primary Zones.
- Resource Records can be deleted for Primary domains with split zones by giving the View name element in the request.
- Resource Records can be deleted for the default zone of Primary domains with split zones by leaving the View name element blank in the request.
- The number of Resource Records included in a single call cannot exceed 500.
- Resource records with failover cannot be deleted using this call.
- A Resource Record to be deleted is identified by a Resource Record ID. This ID is available from the getResourceRecordList API.

### 10.3.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:deleteResourceRecords>
      <urn2:domainName>SOMEPRIMARYZONE.COM</urn2:domainName>
      <urn2:viewName>View Name</urn2:viewName>
      <urn2:resourceRecordId>77777</urn2:resourceRecordId>
      <urn2:resourceRecordId>88888</urn2:resourceRecordId>
      <urn2:resourceRecordId>99999</urn2:resourceRecordId>
      <urn2:comments>test</urn2:comments>
    </urn2:deleteResourceRecords>
  </soap:Body>
</soap:Envelope>
```

```

    </urn2:deleteResourceRecords>
  </soap:Body>
</soap:Envelope>

```

### 10.3.4 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </env:Body>
</env:Envelope>

```

## 10.4 GETRESOURCERECORDLIST

This API enables the user to retrieve the Resource Record list for a Primary Zone.

### 10.4.1 Definitions

Field	Definition
domainName	The zone name.
resourceRecordType	The resource record type used as filter.
owner	The owner used as filter.
pageNumber	The page number being requested. Defaults to page 1.
pageSize	The maximum number of records per page. Defaults to 100.
totalCount	The total number of records for the query, ignoring page parameters. This is not necessarily the number of records returned in this call.
owner	The name of the node to which this resource record pertains.
type	The resource record type.
ttl	The time interval that a resource record may be cached before the source of the information should again be consulted.
rData	The data for the resource record.
viewName	View Name of the View that the Geo Located zone is associated to.

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### 10.4.2 Usage

- Paging information can be provided to this API in order to implement list paging. If the listPagingInfo element is omitted, the API will return up to the first 100 resource records.
- Resource Records can be retrieved for Primary domains with split zones by giving the View name element in the request.
- Resource Records can be retrieved for the default zone of Primary domains with split zones by leaving the View name element blank in the request.
- Page Size cannot exceed 500.
- Returned records are sorted by owner.
- The Resource Record list can be filtered by resource record type and owner.
- To filter by Resource Record type, the resourceRecordType element must be specified.
- To filter by Resource Record type and owner, the resourceRecordType and owner elements must be specified.
- This API can be invoked on a secondary zone but will only return the Verisign resolution sites as NS records.
- The supported Resource Record Types are A, MX, PTR, AAAA, TXT, CNAME, NS, NAPTR, and SRV.

### 10.4.3 Retrieving Resource Records

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsmessaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsmessaging:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getResourceRecordList>
      <urn2:domainName>SOMEPRIMARYZONE.COM</urn2:domainName>
      <urn2:viewName>View Name</urn2:viewName>
      <urn2:listPagingInfo>
        <urn2:pageNumber>1</urn2:pageNumber>
        <urn2:pageSize>50</urn2:pageSize>
      </urn2:listPagingInfo>
    </urn2:getResourceRecordList>
  </soap:Body>
</soap:Envelope>
```

```

    </soap:Body>
</soap:Envelope>

```

#### 10.4.4 Retrieving NS Resource Records

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <S:Body>
      <ns3:getResourceRecordList xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
        <ns3:domainName>SOMEPRIMARYZONE.COM</ns3:domainName>
        <ns3:resourceRecordType>NS</ns3:resourceRecordType>
        <ns3:listPagingInfo>
          <ns3:pageNumber>1</ns3:pageNumber>
          <ns3:pageSize>50</ns3:pageSize>
        </ns3:listPagingInfo>
      </ns3:getResourceRecordList>
    </S:Body>
  </S:Envelope>

```

#### 10.4.5 Retrieving Resource Records by Resource Record Type and Owner

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>

```

```

    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
        <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
</S:Header>
<S:Body>
<S:Body>
    <ns3:getResourceRecordList xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
        <ns3:domainName>SOMEZONE.COM</ns3:domainName>
        <ns3:resourceRecordType>A</ns3:resourceRecordType>
        <ns3:owner>www</ns3:owner>
        <ns3:listPagingInfo>
            <ns3:pageNumber>1</ns3:pageNumber>
            <ns3:pageSize>50</ns3:pageSize>
        </ns3:listPagingInfo>
    </ns3:getResourceRecordList>
</S:Body>
</S:Envelope>

```

#### 10.4.6 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
    <env:Header>
        <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
            <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
        </ns4:reliableMessageRes>
    </env:Header>
    <env:Body>
        <ns2:getResourceRecordListRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
            <ns2:callSuccess>true</ns2:callSuccess>
            <ns2:totalCount>3</ns2:totalCount>
            <ns2:resourceRecord>
                <ns2:resourceRecordId>740200</ns2:resourceRecordId>
                <ns2:owner>www0.dom-1258147804780.com.</ns2:owner>
                <ns2:type>A</ns2:type>
                <ns2:ttl>100000</ns2:ttl>
                <ns2:rData>11.11.11.11</ns2:rData>
            </ns2:resourceRecord>
            <ns2:resourceRecord>
                <ns2:resourceRecordId>740201</ns2:resourceRecordId>
                <ns2:owner>www1.dom-1258147804780.com.</ns2:owner>
            </ns2:resourceRecord>
        </ns2:getResourceRecordListRes>
    </env:Body>
</env:Envelope>

```

```

    <ns2:type>A</ns2:type>
    <ns2:ttl>100000</ns2:ttl>
    <ns2:rData>11.11.11.11</ns2:rData>
  </ns2:resourceRecord>
  <ns2:resourceRecord>
    <ns2:resourceRecordId>740202</ns2:resourceRecordId>
    <ns2:owner>www2.dom-1258147804780.com.</ns2:owner>
    <ns2:type>A</ns2:type>
    <ns2:ttl>100000</ns2:ttl>
    <ns2:rData>11.11.11.11</ns2:rData>
  </ns2:resourceRecord>
</ns2:getResourceRecordListRes>
</env:Body>
</env:Envelope>

```

## 10.5 GETRESOURCERECORD

This API enables the user to retrieve the Resource Record for a Primary Zone by Resource Record ID.

### 10.5.1 Definitions

Field	Definition
resourcerecordId	Resource record ID.

### 10.5.2 Usage

- This API will list the Resource Record details for any given resource record ID.

### 10.5.3 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId>?</urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getResourceRecord>

```

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```

        <urn2:resourceRecordId>4836713</urn2:resourceRecordId>
    </urn2:getResourceRecord>
</soap:Body>
</soap:Envelope>

```

## 10.5.4 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsm:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns3:getResourceRecordRes xmlns="urn:com:verisign:dnsm:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns4="urn:com:verisign:dnsm:api:schema:2">
      <ns3:callSuccess>true</ns3:callSuccess>
      <ns3:resourceRecord>
        <ns3:resourceRecordId>4836713</ns3:resourceRecordId>
        <ns3:owner>www0.dom-a1305562661522.com.</ns3:owner>
        <ns3:type>A</ns3:type>
        <ns3:ttl>100000</ns3:ttl>
        <ns3:rData>11.11.11.11</ns3:rData>
      </ns3:resourceRecord>
    </ns3:getResourceRecordRes>
  </S:Body>
</S:Envelope>

```

## 10.6 BULKUPDATESINGLEZONE

This API enables the user to create, update and delete multiple resource records for a specific domain within one API request.

### 10.6.1 Definitions

Field	Definition
domainName	The primary domain name
viewName	View Name of the View that the Geo Located zone is associated to
overrideWFWP	Overrides/removes Web Forwarding or Parking when flag is set to True
soaSerial	Serial number for the SOA resource record
CreateResourceRecords	Owner, type, rData, ttl
UpdateResourceRecords	Old (current) Owner, type, rData and New Owner, type, rData, ttl

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Field	Definition
DeleteResourceRecords	Owner, type, rData

### 10.6.2 Usage

- Resource Record ID is not used to identify RR in this API. Instead the combination of Owner, type and rData uniquely identify the RR.
- Multiple create, update and deletes may be performed on a single domain via this API
- Update or deletion of a RR that is being created within the same request is not allowed.
- If domain has Geo Location and no viewName is provided in request then default will be updated
- Resource Records with Failover enabled must be updated via Failover APIs.

### 10.6.3 Request

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
  xmlns:SOAP-ENV="http://www.w3.org/2003/05/soap-envelope"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:authInfo
      xmlns:ns1="urn:com:verisign:dnsa:auth:schema:1">
      <ns1:userToken>
        <ns1:userName>autodcmaster</ns1:userName>
        <ns1:password>1234abcd</ns1:password>
      </ns1:userToken>
    </ns1:authInfo>
    <ns1:reliableMessageReq
      xmlns:ns1="urn:com:verisign:dnsa:messaging:schema:1">
      <ns1:MessageId/>
    </ns1:reliableMessageReq>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <bulkUpdateSingleZone xmlns="urn:com:verisign:dnsa:api:schema:2">
      <domainName>D-1353083704936.NET</domainName>
      <viewName>EAST US</viewName>
      <overrideWFWP>true</overrideWFWP>
      <soaSerial>4294967294</soaSerial>
      <createResourceRecords>
        <resourceRecord>
          <owner>www</owner>
          <type>A</type>
          <rData>10.66.125.210</rData>
          <tTL>86400</tTL>
        </resourceRecord>
      </createResourceRecords>
      <updateResourceRecords>
        <updateResourceRecord>
          <oldResourceRecord>
            <owner>oldOwner</owner>
            <type>A</type>
            <rData>10.50.90.130</rData>
          </oldResourceRecord>
          <newResourceRecord>
            <owner>newOwner</owner>
            <type>A</type>
```

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```

    <rData>65.10.15.23</rData>
    <ttl>172000</ttl>
  </newResourceRecord>
</updateResourceRecord>
</updateResourceRecords>
<deleteResourceRecords>
  <resourceRecord>
    <owner>mailsrv</owner>
    <type>CNAME</type>
    <rData>mail.postini.com.</rData>
  </resourceRecord>
</deleteResourceRecords>
</bulkUpdateSingleZone>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

#### 10.6.4 Response

```

<?xml version="1.0" encoding="UTF-8"?>
<S:Envelope
  xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns5:reliableMessageRes
      xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
      xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
      xmlns:ns4="urn:com:verisign:dnsm:api:schema:2"
      xmlns:ns5="urn:com:verisign:dnsm:messaging:schema:1">
      <ns5:MessageId/>
    </ns5:reliableMessageRes>
  </S:Header>
  <S:Body>
    <dnsmWSRes
      xmlns="urn:com:verisign:dnsm:api:schema:1"
      xmlns:ns2="urn:com:verisign:dnsm:auth:schema:1"
      xmlns:ns3="urn:com:verisign:dnsm:api:schema:2"
      xmlns:ns4="urn:com:verisign:dnsm:messaging:schema:1">
      <callSuccess>true</callSuccess>
    </dnsmWSRes>
  </S:Body>
</S:Envelope>

```

### 10.7 CREATEFAILOVERINFO

This API enables the user to configure failover on a primary domain.

#### ALLOWING PROBES TO REACH YOUR SERVERS

In order for the MDNS Failover probes to work correctly we need to ensure that we can reach your servers. In some cases you may have ACLs or Firewalls set up. If that is the case, we need to have you add our probe IPs to your whitelists. Below is a list of the probes. There are a minimum of 6 probes live at one time, but which ones are live depends on the current status of that probe, so please include all the IPs/CIDRs listed below.

#### MDNS Failover Probes

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- 72.13.55.7
- 216.168.230.7
- 199.7.48.0/20
- 199.7.71.0/24
- 199.7.72.0/22
- 199.7.76.0/24

### 10.7.1 Definitions

Field	Definition
zoneName	The primary domain name
protocol	Protocol Name (HTTP/HTTPS/SMTP/PING/DNS/TCP/TCPHALFOPEN)
probeConnectTimeoutInMillis	Probe connect timeout ( in milliseconds)
probeReadTimeoutInSec	Probe read timeout ( in seconds)
port	Port number
verifySSL	Enter FALSE if you do not want the system to verify the validity of the SSL certificate
userAgent	User agent for HTTP and HTTPS protocols
uri	URI for HTTP and HTTPS protocols
percentagePacketLossAllowed	Percentage packet loss allowed for Ping protocol
numberOfPacketsToSend	Number of packets to send for Ping protocol
maxRTTAllowedInMilliseconds	Maximum round trip time allowed in milliseconds for Ping protocol
queryName	Query name for DNS protocol
rrType	A/AAAA/MX/SOA/NS
commandName	Command to send for SMTP protocol
owner	Owner Name
probeFrequencyInMinutes	Probe Frequency in minutes
resourceRecordType	Resource Record Type (A/CNAME)
expectedResponseCode	Expected response code
expectedResponseString	Expected response string
autoFailover	Auto Failover (True/False)
autoFailback	Auto Failback (True/False)
timeToLive	Time To Live in seconds
noOfRRToPublish	Number of IPs to publish (only for A records)
failoverTarget	IP Address/host name

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Field	Definition
priority	Priority
probeStatusOverrideType	Default Probe/Force Pass/Force Fail
sendString	String to send for TCP protocol

### 10.7.2 Usage

- Failover can only be configured for Primary domains.
- Resource records supported for failover include A and CNAME records.
- Only one protocol can be used to configure failover for any given owner name.
- Two IP addresses or host names cannot have the same priority.
- If auto failback is set to “False”, the IP that has been removed from the zone file will not be added back to it even if its state changes to UP at a later point of time unless the user manually publishes one of the IPs.

### 10.7.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId>?</urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:createFailOverInfo>
      <urn2:zoneName>SOME PRIMARY ZONE</urn2:zoneName>
      <urn2:protocol>HTTP</urn2:protocol>
      <urn2:probeConnectTimeoutInMillis>15000</urn2:probeConnectTimeoutInMillis>
      <urn2:probeReadTimeoutInSec>30</urn2:probeReadTimeoutInSec>
      <urn2:httpRequestInfo>
        <urn2:port>90</urn2:port>
        <urn2:verifySSL>true</urn2:verifySSL>
        <urn2:userAgent>This is a string</urn2:userAgent>
        <urn2:uri>/index.html</urn2:uri>
      </urn2:httpRequestInfo>
    </urn2:createFailOverInfo>
  </soap:Body>
</soap:Envelope>
```

```

    <urn2:owner>SOME OWNER</urn2:owner>
    <urn2:probeFrequencyInMinutes>2</urn2:probeFrequencyInMinutes>
    <urn2:resourceRecordType>A</urn2:resourceRecordType>
    <urn2:expectedResponseCode>200</urn2:expectedResponseCode>
    <urn2:expectedResponseString>This is a string</urn2:expectedResponseString>
    <urn2:autoFailOver>true</urn2:autoFailOver>
    <urn2:autoFailBack>true</urn2:autoFailBack>
    <urn2:timeToLive>200</urn2:timeToLive>
    <urn2:noOfRRToPublish>2</urn2:noOfRRToPublish>
    <urn2:failOverRRInfoList>
      <urn2:failOverRRInfo>
        <urn2:failOverTarget>SOME IP ADDRESS</urn2:failOverTarget>
        <urn2:priority>1</urn2:priority>
        <urn2:probeStatusOverrideType>Default
Probe</urn2:probeStatusOverrideType>
      </urn2:failOverRRInfo>
      <urn2:failOverRRInfo>
        <urn2:failOverTarget>SOME IP ADDRESS</urn2:failOverTarget>
        <urn2:priority>2</urn2:priority>
        <urn2:probeStatusOverrideType>Default
Probe</urn2:probeStatusOverrideType>
      </urn2:failOverRRInfo>
      <urn2:failOverRRInfo>
        <urn2:failOverTarget>SOME IP ADDRESS</urn2:failOverTarget>
        <urn2:priority>3</urn2:priority>
        <urn2:probeStatusOverrideType>Default
Probe</urn2:probeStatusOverrideType>
      </urn2:failOverRRInfo>
    </urn2:failOverRRInfoList>
  </urn2:createFailOverInfo>
</soap:Body>
</soap:Envelope>

```

#### 10.7.4 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <dnsaWSRes xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns="urn:com:verisign:dnsa:api:schema:1">
      <callSuccess>true</callSuccess>
    </dnsaWSRes>
  </S:Body>
</S:Envelope>

```

```

    </dnswsRes>
  </S:Body>
</S:Envelope>

```

## 10.8 UPDATEFAILOVERINFO

This API enables the user to update failover configuration on a primary domain.

### 10.8.1 Definitions

Field	Definition
zoneName	The primary domain name
protocol	Protocol Name (HTTP/HTTPS/SMTP/PING/DNS/TCP/TCPHALFOPEN)
probeConnectTimeoutInMillis	Probe connect timeout ( in milliseconds)
probeReadTimeoutInSec	Probe read timeout ( in seconds)
Port	Port number
verifySSL	Enter FALSE if you do not want the system to verify the validity of the SSL certificate
userAgent	User agent for HTTP and HTTPS protocols
uri	URI for HTTP and HTTPS protocols
percentagePacketLossAllowed	Percentage packet loss allowed for Ping protocol
numberOfPacketsToSend	Number of packets to send for Ping protocol
maxRTTAllowedInMilliseconds	Maximum round trip time allowed in milliseconds for Ping protocol
queryName	Query name for DNS protocol
rrType	A/AAAA/MX/SOA/NS
commandName	Command to send for SMTP protocol
owner	Owner Name
probeFrequencyInMinutes	Probe Frequency in minutes
resourceRecordType	Resource Record Type (A/CNAME)
expectedResponseCode	Expected response code
expectedResponseString	Expected response string
autoFailover	Auto Failover (True/False)
autoFailback	Auto Failback (True/False)
timeToLive	Time To Live in seconds
noOfRRToPublish	Number of IPs to publish (only for A records)

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Field	Definition
failoverTarget	IP Address/host name
priority	Priority
probeStatusOverrideType	Default Probe/Force Pass/Force Fail
sendString	String to send for TCP protocol

### 10.8.2 Usage

- Failover configuration can only be updated for Primary domains.
- Resource records supported for failover include A and CNAME records.
- Only one protocol can be used to update failover any given owner name.
- Two IP addresses or host names cannot have the same priority.
- If auto fallback is set to “False”, the IP that has been removed from the zone file will not be added back to it even if its state changes to UP at a later point of time unless the user manually publishes one of the IPs.

### 10.8.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:updateFailOverInfo>
      <urn2:zoneName>SOME PRIMARY ZONE</urn2:zoneName>
      <urn2:protocol>HTTP</urn2:protocol>
      <urn2:probeConnectTimeoutInMillis>15000</urn2:probeConnectTimeoutInMillis>
      <urn2:probeReadTimeoutInSec>30</urn2:probeReadTimeoutInSec>
      <urn2:httpRequestInfo>
        <urn2:port>90</urn2:port>
        <urn2:verifySSL>true</urn2:verifySSL>
        <urn2:userAgent>This is a string</urn2:userAgent>
        <urn2:uri>/index.html</urn2:uri>
      </urn2:httpRequestInfo>
    </urn2:updateFailOverInfo>
  </soap:Body>
</soap:Envelope>
```



```

        </urn2:httpRequestInfo>
        <urn2:owner>SOME OWNER</urn2:owner>
        <urn2:probeFrequencyInMinutes>2</urn2:probeFrequencyInMinutes>
        <urn2:resourceRecordType>A</urn2:resourceRecordType>
        <urn2:expectedResponseCode>200</urn2:expectedResponseCode>
        <urn2:expectedResponseString>This is a string</urn2:expectedResponseString>
        <urn2:autoFailOver>true</urn2:autoFailOver>
        <urn2:autoFailBack>true</urn2:autoFailBack>
        <urn2:timeToLive>200</urn2:timeToLive>
        <urn2:noOfRRToPublish>2</urn2:noOfRRToPublish>
        <urn2:failOverRRInfoList>
            <urn2:failOverRRInfo>
                <urn2:failOverTarget>SOME IP ADDRESS</urn2:failOverTarget>
                <urn2:priority>2</urn2:priority>
                <urn2:probeStatusOverrideType>Default
Probe</urn2:probeStatusOverrideType>
            </urn2:failOverRRInfo>
            <urn2:failOverRRInfo>
                <urn2:failOverTarget>SOME IP ADDRESS</urn2:failOverTarget>
                <urn2:priority>3</urn2:priority>
                <urn2:probeStatusOverrideType>Default
Probe</urn2:probeStatusOverrideType>
            </urn2:failOverRRInfo>
            <urn2:failOverRRInfo>
                <urn2:failOverTarget>SOME IP ADDRESS</urn2:failOverTarget>
                <urn2:priority>1</urn2:priority>
                <urn2:probeStatusOverrideType>Default
Probe</urn2:probeStatusOverrideType>
            </urn2:failOverRRInfo>
        </urn2:failOverRRInfoList>
    </urn2:updateFailOverInfo>
</soap:Body>
</soap:Envelope>

```

#### 10.8.4 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <dnsaWSRes xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns="urn:com:verisign:dnsa:api:schema:1">

```

```

        <callSuccess>true</callSuccess>
      </dnswsRes>
    </S:Body>
  </S:Envelope></S:Envelope>

```

## 10.9 DELETEFAILOVERINFO

This API enables the user to delete failover configuration on a primary domain.

### 10.9.1 Definitions

Field	Definition
ownerName	The host name
zoneName	The primary zone name
resourceRecordType	The Resource Record type

### 10.9.2 Usage

- Failover can only be deleted for Primary domains.

### 10.9.3 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
  xmlns:urn="urn:com:verisign:dnsws:messaging:schema:1"
  xmlns:urn1="urn:com:verisign:dnsws:auth:schema:1"
  xmlns:urn2="urn:com:verisign:dnsws:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId>?</urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <ns1:userName>DIRECT_CUSTOMER_USER</ns1:userName>
        <ns1:password>DIRECT_CUSTOMER_PASSWORD</ns1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:deleteFailOverInfo>
      <urn2:ownerName>SOME_OWNER</urn2:ownerName>
      <urn2:zoneName>SOME_PRIMARY_ZONE</urn2:zoneName>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
    </urn2:deleteFailOverInfo>
  </soap:Body>
</soap:Envelope>

```

### 10.9.4 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">

```

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```

<S:Header>
  <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
    <ns4:MessageId>?</ns4:MessageId>
  </ns4:reliableMessageRes>
</S:Header>
<S:Body>
  <dnswsRes xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns="urn:com:verisign:dnsa:api:schema:1">
    <callSuccess>true</callSuccess>
  </dnswsRes>
</S:Body>
</S:Envelope>

```

## 10.10 GETFAILOVERINFO

This API enables the user to retrieve failover configuration on a primary domain for a given host name.

### 10.10.1 Definitions

Field	Definition
ownerName	The host name
zoneName	The primary zone name
resourceRecordType	The Resource Record type

### 10.10.2 Usage

- Failover can only be retrieved for Primary domains.
- Failover can only be retrieved by host name and resource record type.
- To retrieve failover info at the apex, the owner name in the request should be a fully qualified domain name (FQDN). A fully qualified domain name should have a trailing dot after the TLD label. For example, FQDN for test.com would be test.com.

### 10.10.3 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId>?</urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>

```

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```

        <ns1:userToken>
            <ns1:userName>DIRECT_CUSTOMER_USER</ns1:userName>
            <ns1:password>DIRECT_CUSTOMER_PASSWORD</ns1:password>
        </ns1:userToken>
    </urn1:authInfo>
</soap:Header>
<soap:Body>
    <urn2:getFailOverInfo>
        <urn2:owner>mytest</urn2:owner>
        <urn2:zoneName>test.com</urn2:zoneName>
        <urn2:resourceRecordType>A</urn2:resourceRecordType>
    </urn2:getFailOverInfo>
</soap:Body>
</soap:Envelope>

```

#### 10.10.4 Response for A record

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsm:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns3:getFailOverInfoRes xmlns:ns4="urn:com:verisign:dnsm:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsm:auth:schema:1"
xmlns="urn:com:verisign:dnsm:api:schema:1">
      <ns3:callSuccess>true</ns3:callSuccess>
      <ns3:failOverInfo>
        <ns3:zoneName>test.com</ns3:zoneName>
        <ns3:protocol>HTTPS</ns3:protocol>
        <ns3:probeConnectTimeoutInMillis>15000</ns3:probeConnectTimeoutInMillis>
        <ns3:probeReadTimeoutInSec>30</ns3:probeReadTimeoutInSec>
        <ns3:httpRequestInfo>
          <ns3:port>80</ns3:port>
          <ns3:verifySSL xsi:nil="true"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
          <ns3:userAgent>This is a string</ns3:userAgent>
          <ns3:uri>/index.html</ns3:uri>
        </ns3:httpRequestInfo>
        <ns3:owner>mytest.test.com</ns3:owner>
        <ns3:probeFrequencyInMinutes>2</ns3:probeFrequencyInMinutes>
        <ns3:resourceRecordType>A</ns3:resourceRecordType>
        <ns3:expectedResponseCode>200</ns3:expectedResponseCode>
        <ns3:expectedResponseString>This is a string</ns3:expectedResponseString>
        <ns3:autoFailOver>true</ns3:autoFailOver>
      </ns3:failOverInfo>
    </ns3:getFailOverInfoRes>
  </S:Body>
</S:Envelope>

```

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```

        <ns3:autoFailBack>true</ns3:autoFailBack>
        <ns3:timeToLive>200</ns3:timeToLive>
        <ns3:noOfRRToPublish>2</ns3:noOfRRToPublish>
        <ns3:failOverRRInfoList>
            <ns3:failOverRRInfo>
                <ns3:failOverTarget>1.1.1.1</ns3:failOverTarget>
                <ns3:priority>1</ns3:priority>
                <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
                <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
            </ns3:failOverRRInfo>
            <ns3:failOverRRInfo>
                <ns3:failOverTarget>2.2.2.2</ns3:failOverTarget>
                <ns3:priority>2</ns3:priority>
                <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
                <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
            </ns3:failOverRRInfo>
            <ns3:failOverRRInfo>
                <ns3:failOverTarget>3.3.3.3</ns3:failOverTarget>
                <ns3:priority>3</ns3:priority>
                <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
                <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
            </ns3:failOverRRInfo>
        </ns3:failOverRRInfoList>
    </ns3:failOverInfo>
</ns3:getFailOverInfoRes>
</S:Body>
</S:Envelope>

```

### 10.10.5 Response for CNAME record

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns3:getFailOverInfoRes xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns="urn:com:verisign:dnsa:api:schema:1">
      <ns3:callSuccess>true</ns3:callSuccess>
      <ns3:failOverInfo>
        <ns3:zoneName>test.com</ns3:zoneName>
      </ns3:failOverInfo>
    </ns3:getFailOverInfoRes>
  </S:Body>
</S:Envelope>

```

```

<ns3:protocol>HTTPS</ns3:protocol>
<ns3:probeConnectTimeoutInMillis>15000</ns3:probeConnectTimeoutInMillis>
<ns3:probeReadTimeoutInSec>30</ns3:probeReadTimeoutInSec>
<ns3:httpRequestInfo>
  <ns3:port>80</ns3:port>
  <ns3:verifySSL xsi:nil="true"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
  <ns3:userAgent>This is a string</ns3:userAgent>
  <ns3:uri>/index.html</ns3:uri>
</ns3:httpRequestInfo>
<ns3:owner>mytest.test.com</ns3:owner>
<ns3:probeFrequencyInMinutes>2</ns3:probeFrequencyInMinutes>
<ns3:resourceRecordType>CNAME</ns3:resourceRecordType>
<ns3:expectedResponseCode>200</ns3:expectedResponseCode>
<ns3:expectedResponseString>This is a string</ns3:expectedResponseString>
<ns3:autoFailOver>true</ns3:autoFailOver>
<ns3:autoFailBack>true</ns3:autoFailBack>
<ns3:timeToLive>200</ns3:timeToLive>
<ns3:noOfRRToPublish>1</ns3:noOfRRToPublish>
<ns3:failOverRRInfoList>
  <ns3:failOverRRInfo>
    <ns3:failOverTarget>test1.com</ns3:failOverTarget>
    <ns3:priority>1</ns3:priority>
    <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
    <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
  </ns3:failOverRRInfo>
  <ns3:failOverRRInfo>
    <ns3:failOverTarget>test2.com</ns3:failOverTarget>
    <ns3:priority>2</ns3:priority>
    <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
    <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
  </ns3:failOverRRInfo>
  <ns3:failOverRRInfo>
    <ns3:failOverTarget>test3.com</ns3:failOverTarget>
    <ns3:priority>3</ns3:priority>
    <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
    <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
  </ns3:failOverRRInfo>
</ns3:failOverRRInfoList>
</ns3:failOverInfo>
</ns3:getFailOverInfoRes>
</S:Body>
</S:Envelope>

```

## 10.11 GETFAILOVERINFOLIST

This API enables the user to retrieve failover configuration on a primary domain.

### 10.11.1 Definitions

Field	Definition
zoneName	The primary zone name

### 10.11.2 Usage

- Failover can only be retrieved for Primary domains.

### 10.11.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getFailOverInfoList>
      <urn2:zoneName>65demo-1.com</urn2:zoneName>
    </urn2:getFailOverInfoList>
  </soap:Body>
</soap:Envelope>
```

### 10.11.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId?></ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns3:getFailOverInfoListRes xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:2">
```

```

xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns="urn:com:verisign:dnsa:api:schema:1">
  <ns3:callSuccess>true</ns3:callSuccess>
  <ns3:failOverInfo>
    <ns3:zoneName>65demo-1.com</ns3:zoneName>
    <ns3:protocol>HTTP</ns3:protocol>
    <ns3:probeConnectTimeoutInMillis>15000</ns3:probeConnectTimeoutInMillis>
    <ns3:probeReadTimeoutInSec>30</ns3:probeReadTimeoutInSec>
    <ns3:httpRequestInfo>
      <ns3:port>80</ns3:port>
      <ns3:verifySSL xsi:nil="true"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
      <ns3:userAgent>VeriSign MDNS Failover Probe v1.0</ns3:userAgent>
      <ns3:uri>/index.html</ns3:uri>
    </ns3:httpRequestInfo>
    <ns3:owner>2.65demo-1.com.</ns3:owner>
    <ns3:probeFrequencyInMinutes>2</ns3:probeFrequencyInMinutes>
    <ns3:resourceRecordType>CNAME</ns3:resourceRecordType>
    <ns3:expectedResponseCode>200</ns3:expectedResponseCode>
    <ns3:expectedResponseString>demo</ns3:expectedResponseString>
    <ns3:autoFailOver>true</ns3:autoFailOver>
    <ns3:autoFailBack>true</ns3:autoFailBack>
    <ns3:timeToLive>200</ns3:timeToLive>
    <ns3:noOfRRToPublish>1</ns3:noOfRRToPublish>
    <ns3:failOverRRInfoList>
      <ns3:failOverRRInfo>
        <ns3:failOverTarget>test1.com.</ns3:failOverTarget>
        <ns3:priority>1</ns3:priority>
        <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
        <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
      </ns3:failOverRRInfo>
      <ns3:failOverRRInfo>
        <ns3:failOverTarget>test2.com.</ns3:failOverTarget>
        <ns3:priority>2</ns3:priority>
        <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
        <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
      </ns3:failOverRRInfo>
      <ns3:failOverRRInfo>
        <ns3:failOverTarget>test3.com.</ns3:failOverTarget>
        <ns3:priority>3</ns3:priority>
        <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
        <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
      </ns3:failOverRRInfo>
    </ns3:failOverRRInfoList>
  </ns3:failOverInfo>

```



```

</ns3:failOverInfo>
<ns3:failOverInfo>
  <ns3:zoneName>65demo-1.com</ns3:zoneName>
  <ns3:protocol>HTTP</ns3:protocol>
  <ns3:probeConnectTimeoutInMillis>15000</ns3:probeConnectTimeoutInMillis>
  <ns3:probeReadTimeoutInSec>30</ns3:probeReadTimeoutInSec>
  <ns3:httpRequestInfo>
    <ns3:port>80</ns3:port>
    <ns3:verifySSL xsi:nil="true"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
    <ns3:userAgent>VeriSign MDNS Failover Probe v1.0</ns3:userAgent>
    <ns3:uri>/index.html</ns3:uri>
  </ns3:httpRequestInfo>
  <ns3:owner>1.65demo-1.com.</ns3:owner>
  <ns3:probeFrequencyInMinutes>2</ns3:probeFrequencyInMinutes>
  <ns3:resourceRecordType>A</ns3:resourceRecordType>
  <ns3:expectedResponseCode>200</ns3:expectedResponseCode>
  <ns3:expectedResponseString>demo</ns3:expectedResponseString>
  <ns3:autoFailOver>true</ns3:autoFailOver>
  <ns3:autoFailBack>true</ns3:autoFailBack>
  <ns3:timeToLive>200</ns3:timeToLive>
  <ns3:noOfRRToPublish>2</ns3:noOfRRToPublish>
  <ns3:failOverRRInfoList>
    <ns3:failOverRRInfo>
      <ns3:failOverTarget>111.111.111.111</ns3:failOverTarget>
      <ns3:priority>1</ns3:priority>
      <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
      <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
    </ns3:failOverRRInfo>
    <ns3:failOverRRInfo>
      <ns3:failOverTarget>112.111.111.111</ns3:failOverTarget>
      <ns3:priority>2</ns3:priority>
      <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
      <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
    </ns3:failOverRRInfo>
    <ns3:failOverRRInfo>
      <ns3:failOverTarget>113.111.111.111</ns3:failOverTarget>
      <ns3:priority>3</ns3:priority>
      <ns3:probeStatusOverrideType>Default
Probe</ns3:probeStatusOverrideType>
      <ns3:hostStatus>UNKNOWN</ns3:hostStatus>
    </ns3:failOverRRInfo>
  </ns3:failOverRRInfoList>
</ns3:failOverInfo>
</ns3:getFailOverInfoListRes>

```

```
</S:Body>
</S:Envelope>
```

## 10.12 CREATELOADBALANCE

This API enables the user to configure load balance / load balance failover record on a primary domain.

### 10.12.1 Definitions

Field	Definition
zoneName	The primary domain name
Owner	Owner Name
Ttl	Time To Live in seconds
resourceRecordType	Resource Record Type (A/CNAME/AAAA)
protocol	Protocol Name (HTTP/HTTPS/SMTP/PING/DNS/TCP/TCPHALFOPEN)
probeConnectTimeoutInMillis	Probe connect timeout (in milliseconds)
probeReadTimeoutInSec	Probe read timeout (in seconds)
Port	Port number
verifySSL	Enter FALSE if you do not want the system to verify the validity of the SSL certificate
userAgent	User agent for HTTP and HTTPS protocols
uri	URI for HTTP and HTTPS protocols
percentagePacketLossAllowed	Percentage packet loss allowed for Ping protocol
numberOfPacketsToSend	Number of packets to send for Ping protocol
maxRTTAllowedInMilliSeconds	Maximum round trip time allowed in milliseconds for Ping protocol
queryName	Query name for DNS protocol
rrType	A/AAAA/MX/SOA/NS
commandName	Command to send for SMTP protocol
probeFrequencyInMinutes	Probe Frequency in minutes
expectedResponseCode	Expected response code
expectedResponseString	Expected response string
autoFailover	Auto Failover (True/False)
autoFailback	Auto Failback (True/False)
maxNoOfAnswersToPublish	Number of IPs to publish (only for A records)
rdata	IP Address/host name

Field	Definition
weight	Weight
priority	Priority
probeStatusOverrideType	Default Probe/Force Pass/Force Fail
sendString	String to send for TCP protocol

### 10.12.2 Usage

- Load Balance / Load Balance Failover can only be configured for Primary domains.
- Resource records supported for Load Balance include A, AAAA and CNAME records.
- Resource records supported for Load Balance Failover include A and CNAME records.
- Only one protocol can be used to configure failover for any given owner name.
- Two IP addresses or host names cannot have the same priority.

### 10.12.3 Request to create Load Balance record

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:createLoadBalance>
      <urn2:zoneName>somezone.com</urn2:zoneName>
      <urn2:owner>l1lbfo</urn2:owner>
      <urn2:ttl>600</urn2:ttl>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
      <urn2:sticky>false</urn2:sticky>
      <urn2:override>true</urn2:override>
      <urn2:lBRRDirective>
        <urn2:rdata>1.1.1.1</urn2:rdata>
        <urn2:weight>10</urn2:weight>
        <urn2:priority>1</urn2:priority>
      </urn2:lBRRDirective>
      <urn2:lBRRDirective>
```

```

        <urn2:rdata>2.2.2.2</urn2:rdata>
        <urn2:weight>2</urn2:weight>
        <urn2:priority>2</urn2:priority>
    </urn2:lBRRDirective>
</urn2:createLoadBalance>
</soap:Body>
</soap:Envelope>

```

#### 10.12.4 Request to create Load Balance Failover record

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:createLoadBalance>
      <urn2:zoneName>somezone.com</urn2:zoneName>
      <urn2:owner>111bfo</urn2:owner>
      <urn2:ttl>600</urn2:ttl>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
      <urn2:sticky>false</urn2:sticky>
      <urn2:failoverConfigInfo>
        <urn2:protocol>HTTP</urn2:protocol>
        <urn2:probeConnectTimeoutInMillis>15000</urn2:probeConnectTimeoutInMillis>
        <urn2:probeReadTimeoutInSec>30</urn2:probeReadTimeoutInSec>
        <urn2:httpRequestInfo>
          <urn2:port>90</urn2:port>
          <urn2:verifySSL>true</urn2:verifySSL>
          <urn2:userAgent>VeriSign MDNS Failover Probe v1.0</urn2:userAgent>
          <urn2:uri>/</urn2:uri>
        </urn2:httpRequestInfo>
        <urn2:probeFrequencyInMinutes>33</urn2:probeFrequencyInMinutes>
        <urn2:expectedResponseCode>sda</urn2:expectedResponseCode>
        <urn2:expectedResponseString>das</urn2:expectedResponseString>
        <urn2:autoFailOver>true</urn2:autoFailOver>
        <urn2:autoFailBack>true</urn2:autoFailBack>
        <urn2:maxNoOfAnswersToPublish>2</urn2:maxNoOfAnswersToPublish>
      </urn2:failoverConfigInfo>
    </urn2:createLoadBalance>
  </soap:Body>
</soap:Envelope>

```

```

        </urn2:failoverConfigInfo>
        <urn2:override>true</urn2:override>
        <urn2:lBRRDirective>
            <urn2:rdata>1.1.1.1</urn2:rdata>
            <urn2:weight>10</urn2:weight>
            <urn2:priority>1</urn2:priority>
        </urn2:lBRRDirective>
        <urn2:lBRRDirective>
            <urn2:rdata>2.2.2.2</urn2:rdata>
            <urn2:weight>2</urn2:weight>
            <urn2:priority>2</urn2:priority>
        </urn2:lBRRDirective>
    </urn2:createLoadBalance>
</soap:Body>
</soap:Envelope>

```

### 10.12.5 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <dnsaWSRes xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns="urn:com:verisign:dnsa:api:schema:1">
      <callSuccess>true</callSuccess>
    </dnsaWSRes>
  </S:Body>
</S:Envelope>

```

## 10.13 UPDATELOADBALANCE

This API enables the user to update load balance/load balance failover record on a primary domain.

### 10.13.1 Definitions

Field	Definition
zoneName	The primary domain name
Owner	Owner Name
Ttl	Time To Live in seconds

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Field	Definition
resourceRecordType	Resource Record Type (A/CNAME/AAAA)
protocol	Protocol Name (HTTP/HTTPS/SMTP/PING/DNS/TCP/TCPHALFOPEN)
probeConnectTimeoutInMillis	Probe connect timeout ( in milliseconds)
probeReadTimeoutInSec	Probe read timeout ( in seconds)
port	Port number
verifySSL	Enter FALSE if you do not want the system to verify the validity of the SSL certificate
userAgent	User agent for HTTP and HTTPS protocols
uri	URI for HTTP and HTTPS protocols
percentagePacketLossAllowed	Percentage packet loss allowed for Ping protocol
numberOfPacketsToSend	Number of packets to send for Ping protocol
maxRTTAllowedInMilliSeconds	Maximum round trip time allowed in milliseconds for Ping protocol
queryName	Query name for DNS protocol
rrType	A/AAAA/MX/SOA/NS
commandName	Command to send for SMTP protocol
probeFrequencyInMinutes	Probe Frequency in minutes
expectedResponseCode	Expected response code
expectedResponseString	Expected response string
autoFailover	Auto Failover (True/False)
autoFailback	Auto Failback (True/False)
maxNoOfAnswersToPublish	Number of IPs to publish (only for A records)
rdata	IP Address/host name
weight	Weight
priority	Priority
probeStatusOverrideType	Default Probe/Force Pass/Force Fail
sendString	String to send for TCP protocol

### 10.13.2 Usage

- Load Balance / Load Balance Failover can only be configured for Primary domains.
- Resource records supported for Load Balance include A, AAAA and CNAME records.
- Resource records supported for Load Balance Failover include A and CNAME records.
- Only one protocol can be used to configure failover for any given owner name.
- Two IP addresses or host names cannot have the same priority.

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### 10.13.3 Request to update Load Balance record

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:updateLoadBalance>
      <urn2:zoneName>somezone.com</urn2:zoneName>
      <urn2:owner>l1lbfo</urn2:owner>
      <urn2:ttl>600</urn2:ttl>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
      <urn2:sticky>>false</urn2:sticky>
      <urn2:lBRRDirective>
        <urn2:rdata>1.1.1.1</urn2:rdata>
        <urn2:weight>10</urn2:weight>
        <urn2:priority>1</urn2:priority>
      </urn2:lBRRDirective>
      <urn2:lBRRDirective>
        <urn2:rdata>2.2.2.2</urn2:rdata>
        <urn2:weight>2</urn2:weight>
        <urn2:priority>2</urn2:priority>
      </urn2:lBRRDirective>
    </urn2:updateLoadBalance>
  </soap:Body>
</soap:Envelope>
```

### 10.13.4 Request to update Load Balance Failover record

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
```

```

        <urn1:userToken>
        <urn1:authInfo>
    </soap:Header>
    <soap:Body>
        <urn2:updateLoadBalance>
            <urn2:zoneName>somezone.com</urn2:zoneName>
            <urn2:owner>11lbfo</urn2:owner>
            <urn2:ttl>600</urn2:ttl>
            <urn2:resourceRecordType>A</urn2:resourceRecordType>
            <urn2:sticky>false</urn2:sticky>
            <urn2:failoverConfigInfo>
                <urn2:protocol>HTTP</urn2:protocol>
                <urn2:probeConnectTimeoutInMillis>15000</urn2:probeConnectTimeoutInMillis>
                <urn2:probeReadTimeoutInSec>30</urn2:probeReadTimeoutInSec>
                <urn2:httpRequestInfo>
                    <urn2:port>90</urn2:port>
                    <urn2:verifySSL>true</urn2:verifySSL>
                    <urn2:userAgent>VeriSign MDNS Failover Probe v1.0</urn2:userAgent>
                    <urn2:uri></urn2:uri>
                </urn2:httpRequestInfo>
                <urn2:probeFrequencyInMinutes>33</urn2:probeFrequencyInMinutes>
                <urn2:expectedResponseCode>sda</urn2:expectedResponseCode>
                <urn2:expectedResponseString>das</urn2:expectedResponseString>
                <urn2:autoFailOver>true</urn2:autoFailOver>
                <urn2:autoFailBack>true</urn2:autoFailBack>
                <urn2:maxNoOfAnswersToPublish>2</urn2:maxNoOfAnswersToPublish>
            </urn2:failoverConfigInfo>
            <urn2:override>true</urn2:override>
            <urn2:lBRRDirective>
                <urn2:rdata>1.1.1.1</urn2:rdata>
                <urn2:weight>10</urn2:weight>
                <urn2:priority>1</urn2:priority>
            </urn2:lBRRDirective>
            <urn2:lBRRDirective>
                <urn2:rdata>2.2.2.2</urn2:rdata>
                <urn2:weight>2</urn2:weight>
                <urn2:priority>2</urn2:priority>
            </urn2:lBRRDirective>
        </urn2:updateLoadBalance>
    </soap:Body>
</soap:Envelope>

```

### 10.13.5 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
    <S:Body>

```

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```

<ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
  <ns2:callSuccess>true</ns2:callSuccess>
</ns2:dnsaWSRes>
</S:Body>
</S:Envelope>

```

## 10.14 DELETELOADBALANCE

This API enables the user to delete load balance / load balance failover record on a primary domain.

### 10.14.1 Definitions

Field	Definition
zoneName	The primary domain name
Owner	Owner Name
resourceRecordType	Resource Record Type (A/CNAME/AAAA)
disable	Disable Load Balance

### 10.14.2 Request to delete Load Balance/Load Balance Failover record

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:deleteLoadBalance>
      <urn2:zoneName>somezone.com</urn2:zoneName>
      <urn2:owner>lb.somezone.com.</urn2:owner>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
      <urn2:disable>false</urn2:disable>
    </urn2:deleteLoadBalance>
  </soap:Body>

```

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```
</soap:Envelope>
```

### 10.14.3 Request to disable Load Balance/Load Balance Failover record

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:deleteLoadBalance>
      <urn2:zoneName>somezone.com</urn2:zoneName>
      <urn2:owner>lb.somezone.com.</urn2:owner>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
      <urn2:disable>true</urn2:disable>
    </urn2:deleteLoadBalance>
  </soap:Body>
</soap:Envelope>
```

### 10.14.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>
```

## 10.15 GETLOADBALANCE

This API enables the user to retrieve load balance configuration on a primary domain for a given host name.

### 10.15.1 Definitions

Field	Definition
-------	------------

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Field	Definition
zoneName	The primary domain name
Owner	Owner Name
resourceRecordType	Resource Record Type (A/CNAME/AAAA)

### 10.15.2 Usage

- Load Balance can only be retrieved for Primary domains.
- Load Balance can only be retrieved by host name and resource record type.
- The owner name in the request should be a fully qualified domain name (FQDN). A fully qualified domain name should have a trailing dot after the TLD label. For example, FQDN for test.com would be test.com.

### 10.15.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getLoadBalance>
      <urn2:zoneName>somezone.com</urn2:zoneName>
      <urn2:owner>lb.somezone.com.</urn2:owner>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
    </urn2:getLoadBalance>
  </soap:Body>
</soap:Envelope>
```

### 10.15.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <getLoadBalanceRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <callSuccess>true</callSuccess>
      <loadBalanceInfo>
```

```

    <zoneName>somezone.com</zoneName>
    <owner>lb.somezone.com.</owner>
    <ttl>600</ttl>
    <resourceRecordType>A</resourceRecordType>
    <sticky>false</sticky>
    <lBRRDirective>
      <rdata>1.1.1.3</rdata>
      <weight>2</weight>
    </lBRRDirective>
    <lBRRDirective>
      <rdata>9.9.9.9</rdata>
      <weight>1</weight>
    </lBRRDirective>
  </loadBalanceInfo>
</getLoadBalanceRes>
</S:Body>
</S:Envelope>

```

## 10.16 CREATETRAFFICMANAGEMENT

This API enables the user to configure Scripting / Scripting probe record on a primary domain.

### 10.16.1 Definitions

Field	Definition
zoneName	The primary domain name
Owner	Owner Name
Ttl	Time To Live in seconds
resourceRecordType	Resource Record Type (A/CNAME/AAAA)
protocol	Protocol Name (HTTP/HTTPS/SMTP/PING/DNS/TCP/TCPHALFOPEN)
probeConnectTimeoutInMillis	Probe connect timeout (in milliseconds)
probeReadTimeoutInSec	Probe read timeout (in seconds)
port	Port number
verifySSL	Enter FALSE if you do not want the system to verify the validity of the SSL certificate
userAgent	User agent for HTTP and HTTPS protocols
uri	URI for HTTP and HTTPS protocols
percentagePacketLossAllowed	Percentage packet loss allowed for Ping protocol
numberOfPacketsToSend	Number of packets to send for Ping protocol
maxRTTAllowedInMilliSeconds	Maximum round trip time allowed in milliseconds for Ping protocol
queryName	Query name for DNS protocol

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Field	Definition
rrType	A/AAAA/MX/SOA/NS
commandName	Command to send for SMTP protocol
probeFrequencyInMinutes	Probe Frequency in minutes
expectedResponseCode	Expected response code
expectedResponseString	Expected response string
script	Script that will be used to determine the answer when queries are received for this hostname.
testScript	Script you can use to validate the queries for this hostname will return the expected answer.
label	Label for an answer
default	Possible answers that will be returned when queries are received for this hostname.
sendString	String to send for TCP protocol.

### 10.16.2 Usage

- **Scripting / Scripting probe** can only be configured for Primary domains.
- Resource records supported for Scripting include A, AAAA, CNAME, MX, NAPTR, PTR, SRV and TXT records.
- Resource records supported for Scripting probe include A and CNAME records.
- Only one protocol can be used to configure failover for any given owner name.

### 10.16.3 Request to create Scripting record

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
```

```

    <urn2:createTrafficManagement>
      <urn2:zoneName>SOMEZONE.COM</urn2:zoneName>
      <urn2:owner>OWNER</urn2:owner>
      <urn2:tTL>400</urn2:tTL>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
      <urn2:tmRRVariantDirective>
        <urn2:label>LABEL1</urn2:label>
        <urn2:default>true</urn2:default>
        <urn2:rdata>IPADDRESS1</urn2:rdata>
      </urn2:tmRRVariantDirective>
      <urn2:tmRRVariantDirective>
        <urn2:label>LABEL2</urn2:label>
        <urn2:rdata>IPADDRESS2</urn2:rdata>
      </urn2:tmRRVariantDirective>
    </urn2:createTrafficManagement>
  </soap:Body>
</soap:Envelope>

```

#### 10.16.4 Request to create Scripting probe record

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:createTrafficManagement>
      <urn2:zoneName>SOMEZONE.COM</urn2:zoneName>
      <urn2:owner>OWNER</urn2:owner>
      <urn2:tTL>400</urn2:tTL>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
      <urn2:probeConfigInfo>
        <urn2:protocol>HTTP</urn2:protocol>
        <urn2:probeConnectTimeoutInMillis>15000</urn2:probeConnectTimeoutInMillis>
        <urn2:probeReadTimeoutInSec>30</urn2:probeReadTimeoutInSec>
        <urn2:httpRequestInfo>
          <urn2:port>90</urn2:port>
          <urn2:verifySSL>true</urn2:verifySSL>
        </urn2:httpRequestInfo>
      </urn2:probeConfigInfo>
    </urn2:createTrafficManagement>
  </soap:Body>
</soap:Envelope>

```

```

        <urn2:userAgent>VeriSign MDNS Failover Probe v1.0</urn2:userAgent>
        <urn2:uri>/URI</urn2:uri>
    </urn2:httpRequestInfo>
    <urn2:probeFrequencyInMinutes>MINUTES</urn2:probeFrequencyInMinutes>
    <urn2:expectedResponseCode>RESPONSE CODE</urn2:expectedResponseCode>
    <urn2:expectedResponseString>RESPONSE STRING</urn2:expectedResponseString>
</urn2:probeConfigInfo>
<urn2:tmRRVariantDirective>
    <urn2:label>LABEL1</urn2:label>
    <urn2:default>true</urn2:default>
    <urn2:rdata>IPADDRESS</urn2:rdata>
</urn2:tmRRVariantDirective>
<urn2:tmRRVariantDirective>
    <urn2:label>LABEL2</urn2:label>
    <urn2:rdata>IPADDRESS</urn2:rdata>
</urn2:tmRRVariantDirective>
</urn2:createTrafficManagement>
</soap:Body>
</soap:Envelope>

```

### 10.16.5 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>

```

## 10.17 UPDATETRAFFICMANAGEMENT

This API enables the user to update Scripting / Scripting probe record on a primary domain.

### 10.17.1 Definitions

Field	Definition
zoneName	The primary domain name
Owner	Owner Name
Ttl	Time To Live in seconds
resourceRecordType	Resource Record Type (A/CNAME/AAAA)
protocol	Protocol Name (HTTP/HTTPS/SMTP/PING/DNS/TCP/TCPHALFOPEN)
probeConnectTimeoutInMillis	Probe connect timeout (in milliseconds)

Field	Definition
probeReadTimeoutInSec	Probe read timeout (in seconds)
port	Port number
verifySSL	Enter FALSE if you do not want the system to verify the validity of the SSL certificate
userAgent	User agent for HTTP and HTTPS protocols
uri	URI for HTTP and HTTPS protocols
percentagePacketLossAllowed	Percentage packet loss allowed for Ping protocol
numberOfPacketsToSend	Number of packets to send for Ping protocol
maxRTTAllowedInMilliseconds	Maximum round trip time allowed in milliseconds for Ping protocol
queryName	Query name for DNS protocol
rrType	A/AAAA/MX/SOA/NS
commandName	Command to send for SMTP protocol
probeFrequencyInMinutes	Probe Frequency in minutes
expectedResponseCode	Expected response code
expectedResponseString	Expected response string
script	Script that will be used to determine the answer when queries are received for this hostname.
testScript	Script you can use to validate the queries for this hostname will return the expected answer.
label	Label for an answer
default	Possible answers that will be returned when queries are received for this hostname.
sendString	String to send for TCP protocol.

### 10.17.2 Usage

- **Scripting / Scripting probe** can only be configured for Primary domains.
- Resource records supported for Scripting include A, AAAA, CNAME, MX, NAPTR, PTR, SRV and TXT records.
- Resource records supported for Scripting probe include A and CNAME records.
- Only one protocol can be used to configure failover for any given owner name.

### 10.17.3 Request to update Scripting record

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
```

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```

xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:updateTrafficManagement>
      <urn2:zoneName>SOMEZONE.COM</urn2:zoneName>
      <urn2:owner>OWNER</urn2:owner>
      <urn2:ttl>400</urn2:ttl>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
      <urn2:override>true</urn2:override>
      <urn2:tmRRVariantDirective>
        <urn2:label>LABEL1</urn2:label>
        <urn2:default>true</urn2:default>
        <urn2:rdata>IPADDRESS1</urn2:rdata>
      </urn2:tmRRVariantDirective>
      <urn2:tmRRVariantDirective>
        <urn2:label>LABEL2</urn2:label>
        <urn2:rdata>IPADDRESS2</urn2:rdata>
      </urn2:tmRRVariantDirective>
    </urn2:updateTrafficManagement>
  </soap:Body>
</soap:Envelope>

```

#### 10.17.4 Request to update Scripting probe record

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:updateScriptingProbeRecord>
      <urn2:probeName>SOMEZONE.COM</urn2:probeName>
      <urn2:owner>OWNER</urn2:owner>
      <urn2:ttl>400</urn2:ttl>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
      <urn2:override>true</urn2:override>
      <urn2:tmRRVariantDirective>
        <urn2:label>LABEL1</urn2:label>
        <urn2:default>true</urn2:default>
        <urn2:rdata>IPADDRESS1</urn2:rdata>
      </urn2:tmRRVariantDirective>
      <urn2:tmRRVariantDirective>
        <urn2:label>LABEL2</urn2:label>
        <urn2:rdata>IPADDRESS2</urn2:rdata>
      </urn2:tmRRVariantDirective>
    </urn2:updateScriptingProbeRecord>
  </soap:Body>
</soap:Envelope>

```

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```

</soap:Header>
<soap:Body>
  <urn2:updateTrafficManagement>
    <urn2:zoneName>SOMEZONE.COM</urn2:zoneName>
    <urn2:owner>OWNER</urn2:owner>
    <urn2:t1>400</urn2:t1>
    <urn2:resourceRecordType>A</urn2:resourceRecordType>
    <urn2:override>true</urn2:override>
    <urn2:probeConfigInfo>
      <urn2:protocol>HTTP</urn2:protocol>
      <urn2:probeConnectTimeoutInMillis>15000</urn2:probeConnectTimeoutInMillis>
      <urn2:probeReadTimeoutInSec>30</urn2:probeReadTimeoutInSec>
      <urn2:httpRequestInfo>
        <urn2:port>90</urn2:port>
        <urn2:verifySSL>true</urn2:verifySSL>
        <urn2:userAgent>VeriSign MDNS Failover Probe v1.0</urn2:userAgent>
        <urn2:uri>/URI</urn2:uri>
      </urn2:httpRequestInfo>
      <urn2:probeFrequencyInMinutes>MINUTES</urn2:probeFrequencyInMinutes>
      <urn2:expectedResponseCode>RESPONSE CODE</urn2:expectedResponseCode>
      <urn2:expectedResponseString>RESPONSE STRING</urn2:expectedResponseString>
    </urn2:probeConfigInfo>
    <urn2:tmRRVariantDirective>
      <urn2:label>LABEL1</urn2:label>
      <urn2:default>true</urn2:default>
      <urn2:rdata>IPADDRESS1</urn2:rdata>
    </urn2:tmRRVariantDirective>
    <urn2:tmRRVariantDirective>
      <urn2:label>LABEL2</urn2:label>
      <urn2:rdata>IPADDRESS2</urn2:rdata>
    </urn2:tmRRVariantDirective>
  </urn2:updateTrafficManagement>
</soap:Body>
</soap:Envelope>

```

### 10.17.5 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
      xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
      xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
      xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>

```

## 10.18 DELETETRAFFICMANAGEMENT

This API enables the user to delete Scripting / Scripting probe record on a primary domain.

### 10.18.1 Definitions

Field	Definition
zoneName	The primary domain name
Owner	Owner Name
resourceRecordType	Resource Record Type (A/CNAME/AAAA/MX/NAPTR/PTR/SRV/TXT)

### 10.18.2 Request to delete Scripting / Scripting probe record

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:deleteTrafficManagement>
      <urn2:ownerName>OWNERNAME</urn2:ownerName>
      <urn2:zoneName>somezone.com</urn2:zoneName>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
    </urn2:deleteTrafficManagement>
  </soap:Body>
</soap:Envelope>
```

### 10.18.3 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </S:Body>
</S:Envelope>
```

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## 10.19 GETTRAFFICMANAGEMENT

This API enables the user to retrieve scripting record on a primary domain for a given host name.

### 10.19.1 Definitions

Field	Definition
zoneName	The primary domain name
Owner	Owner Name
resourceRecordType	Resource Record Type (A/CNAME/AAAA)

### 10.19.2 Usage

- Scripting can only be retrieved for Primary domains.
- Load Balance can only be retrieved by host name and resource record type.
- The owner name in the request should be a fully qualified domain name (FQDN). A fully qualified domain name should have a trailing dot after the TLD label. For example, FQDN for test.com would be test.com.

### 10.19.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getTrafficManagement>
      <urn2:zoneName>somezone.com</urn2:zoneName>
      <urn2:owner>TM.somezone.com.</urn2:owner>
      <urn2:resourceRecordType>A</urn2:resourceRecordType>
    </urn2:getTrafficManagement>
  </soap:Body>
</soap:Envelope>
```

### 10.19.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
```

```

    <getTrafficManagementRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
    <callSuccess>true</callSuccess>
    <trafficInfo>
        <owner>tm.somezone.com.</owner>
        <ttl>600</ttl>
        <resourceRecordType>A</resourceRecordType>
        <probeConfigInfo>
            <protocol>HTTP</protocol>
            <probeConnectTimeoutInMillis>5000</probeConnectTimeoutInMillis>
            <probeReadTimeoutInSec>15</probeReadTimeoutInSec>
            <httpRequestInfo>
                <port>80</port>
                <ns3:verifySSL xsi:nil="true"
                    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
                <userAgent>VeriSign MDNS Failover Probe v1.0</userAgent>
                <uri>/index.html</uri>
            </httpRequestInfo>
            <probeFrequencyInMinutes>5</probeFrequencyInMinutes>
            <expectedResponseCode/>
            <expectedResponseString/>
        </probeConfigInfo>
        <tmScriptDirective/>
        <tmRRVariantDirective>
            <label>LABEL1</label>
            <default>true</default>
            <rdata>9.9.9.9</rdata>
        </tmRRVariantDirective>
        <tmRRVariantDirective>
            <label>LABEL2</label>
            <default>false</default>
            <rdata>3.3.3.3</rdata>
        </tmRRVariantDirective>
    </trafficInfo>
</getTrafficManagementRes>
</S:Body>
</S:Envelope>

```

## 10.20 GETRESOURCERECORDSWITHSERVICELIST

This API enables the user to retrieve the Resource Record list with any of the following services – Web Forward / Web Parking / Load Balance / Load Balance Failover / Scripting / Sctipting Probe / Failover configuration.

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### 10.20.1 Definitions

Field	Definition
zoneName	The primary zone name

### 10.20.2 Usage

- Request must include Zone Name.
- Resource Records can be retrieved for Primary domains with split zones by giving the View name element in the request.
- Only one Zone can be included in request.
- If there are no RRs with services the response will be successful with a blank list.
- Returned records are sorted by owner.

### 10.20.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getResourceRecordsWithServiceList>
      <urn2:domainName>SOMEZONE.COM</urn2:domainName>
    </urn2:getResourceRecordsWithServiceList>
  </soap:Body>
</soap:Envelope>
```

### 10.20.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Body>
    <getResourceRecordsWithServiceListRes xmlns="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </getResourceRecordsWithServiceListRes>
  </S:Body>
</S:Envelope>
```

```

    <ResourceRecordWithService>
      <domainName>test1.tr</domainName>
      <owner>fo.test1.tr.</owner>
      <type>A</type>
      <serviceType>FO</serviceType>
    </ResourceRecordWithService>
    <ResourceRecordWithService>
      <domainName>test1.tr</domainName>
      <owner>lb.test1.tr.</owner>
      <type>A</type>
      <serviceType>LB</serviceType>
    </ResourceRecordWithService>
    <ResourceRecordWithService>
      <domainName>test1.tr</domainName>
      <owner>lbfo.test1.tr.</owner>
      <type>A</type>
      <serviceType>LBFO</serviceType>
    </ResourceRecordWithService>
    <ResourceRecordWithService>
      <domainName>test1.tr</domainName>
      <owner>www.test1.tr.</owner>
      <type>TXT</type>
      <serviceType>Scripting</serviceType>
    </ResourceRecordWithService>
    ...
  </getResourceRecordsWithServiceListRes>
</S:Body>
</S:Envelope>

```

## 11 GEO-LOCATION SERVICES API

### 11.1 ENABLEGEOLOCATION

This API enables the user to enable Geo Location on a primary domain.

#### 11.1.1 Definitions

Field	Definition
domainName	The primary domain name.
viewSetName	The View Set name.
viewName	The View name.
copyDefaultView	True/False. This enables the zone file to be copied to the newly created zone.

### 11.1.2 Usage

- Geo Location can only be enabled for Primary domains.
- Resource Records can be copied for the newly created zone from the default zone.
- If copy default option is chosen, the name server records from the default zone's zone file will be copied irrespective of whether these name servers have been white labeled or not.

### 11.1.3 Request

```
soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId>?</urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:enableGeoLocation>
      <urn2:domainName>SOMEPRIMARYZONE.COM</urn2:domainName>
      <urn2:viewSetName>View Set Name</urn2:viewSetName>
      <urn2:viewName>View Name</urn2:viewName>
      <urn2:copyDefaultView>true</urn2:copyDefaultView>
    </urn2:enableGeoLocation>
  </soap:Body>
</soap:Envelope>
```

### 11.1.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:enableGeoLocationRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:enableGeoLocationRes>
  </S:Body>
</S:Envelope>
```

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```

        <ns2:zoneInfo>
          <ns3:domainName>SOMEPRIMARYZONE.COM</ns3:domainName>
          <ns3:type>DNS Hosting</ns3:type>
          <ns3:status>ACTIVE</ns3:status>
          <ns3:createTimestamp>2011-05-10T15:44:04.000-04:00</ns3:createTimestamp>
          <ns3:updateTimestamp>2011-05-10T15:44:04.000-04:00</ns3:updateTimestamp>
        </ns2:zoneInfo>
      </ns2:enableGeoLocationRes>
    </S:Body>
  </S:Envelope>

```

## 11.2 REMOVEGEOLOCATION

This API enables the user to remove Geo Location on a primary domain.

### 11.2.1 Definitions

Field	Definition
domainName	The primary domain name.

### 11.2.2 Usage

- Geo Location can only be removed for Primary domains that have Geo Location enabled.
- The system will delete all the split zones and retain the default zone.

### 11.2.3 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
  xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
  xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
  xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:removeGeoLocation>
      <urn2:domainName>SOMEPRIMARYZONE.COM</urn2:domainName>
    </urn2:removeGeoLocation>
  </soap:Body>
</soap:Envelope>

```

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## 11.2.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns3:dnsaWSRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:callSuccess>true</ns3:callSuccess>
    </ns3:dnsaWSRes>
  </S:Body>
</S:Envelope>
```

## 11.3 ADDGEOLOCATIONZONE

This API enables the user to add a Geo Location zone.

### 11.3.1 Definitions

Field	Definition
domainName	The primary domain name.
viewName	The View name.
copyDefaultView	True/False. This enables the zone file to be copied to the newly created zone.
copyFromViewName	View Name to copy the zone file from.

### 11.3.2 Usage

- Geo Location zone can only be added for Primary domains that have Geo Location enabled.
- If copy default option is chosen, the name server records from the default zone's zone file will be copied irrespective of whether these name servers have been white labeled or not.

### 11.3.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId>?</urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
  </soap:Header>
```

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```

    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:addGeoLocationZone>
      <urn2:domainName>SOMEPRIMARYZONE.COM</urn2:domainName>
      <urn2:viewName>View Name</urn2:viewName>
      <urn2:copyDefaultView>false</urn2:copyDefaultView>
      <urn2:copyFromViewName>View Name to copy from</urn2:copyFromViewName>
    </urn2:addGeoLocationZone>
  </soap:Body>
</soap:Envelope>

```

### 11.3.4 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:addGeoLocationZoneRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:zoneInfo>
        <ns3:domainName>SOMEPRIMARYZONE.COM</ns3:domainName>
        <ns3:type>DNS Hosting</ns3:type>
        <ns3:status>ACTIVE</ns3:status>
        <ns3:createTimestamp>2011-05-10T15:46:31.000-04:00</ns3:createTimestamp>
        <ns3:updateTimestamp>2011-05-10T15:46:31.000-04:00</ns3:updateTimestamp>
      </ns2:zoneInfo>
    </ns2:addGeoLocationZoneRes>
  </S:Body>
</S:Envelope>

```

## 11.4 REMOVEGEOLOCATIONZONE

This API enables the user to remove a Geo Location zone.

### 11.4.1 Definitions

Field	Definition
domainName	The primary domain name.
viewName	The View name.

### 11.4.2 Usage

- Geo Location zone can only be removed for Primary domains that have Geo Location enabled.

### 11.4.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId>?</urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:removeGeoLocationZone>
      <urn2:domainName>SOMEPRIMARYZONE.COM</urn2:domainName>
      <urn2:viewName>View Name</urn2:viewName>
    </urn2:removeGeoLocationZone>
  </soap:Body>
</soap:Envelope>
```

### 11.4.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns3:dnsaWSRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
```

```

    <ns3:callSuccess>true</ns3:callSuccess>
  </ns3:dnsaWSRes>
</S:Body>
</S:Envelope>

```

## 11.5 GETGEOLOCATIONVIEWSETS

This API enables the user to retrieve the Geo Location View Sets and the corresponding Views for the account.

### 11.5.1 Definitions

Field	Definition
viewSetName	The View Set name.

### 11.5.2 Usage

- Geo Location View Sets can only be retrieved for an account with Geo Location enabled.

### 11.5.3 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId??></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getGeoLocationViewSets>
    </urn2:getGeoLocationViewSets>
  </soap:Body>
</soap:Envelope>

```

### 11.5.4 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId??></ns4:MessageId>

```

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```

        </ns4:reliableMessageRes>
    </S:Header>
    <S:Body>
        <ns2:getGeoLocationViewSetsRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
            <ns2:callSuccess>true</ns2:callSuccess>
            <ns2:geoLocationViewSet viewSetName="AfricaSet">
                <ns2:viewName>AfricaView</ns2:viewName>
                <ns2:viewName>MiddleEastView</ns2:viewName>
            </ns2:geoLocationViewSet>
            <ns2:geoLocationViewSet viewSetName="AsiaSet">
                <ns2:viewName>AfricaView</ns2:viewName>
                <ns2:viewName>AsiaView</ns2:viewName>
                <ns2:viewName>MiddleEastView</ns2:viewName>
            </ns2:geoLocationViewSet>
        </ns2:getGeoLocationViewSetsRes>
    </S:Body>
</S:Envelope>

```

## 11.6 GETENABLEDGEOLLOCATIONVIEWS

This API enables the user to retrieve the split zones for a domain.

### 11.6.1 Definitions

Field	Definition
domainName	The domain name.

### 11.6.2 Usage

- Split zones can only be retrieved for Geo Located primary domains.

### 11.6.3 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:2">
    <soap:Header>
        <urn:reliableMessageReq>
            <urn:MessageId>?</urn:MessageId>
            <urn:DuplicateElimination/>
        </urn:reliableMessageReq>
        <urn1:authInfo>
            <urn1:userToken>
                <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
                <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
            </urn1:userToken>
        </urn1:authInfo>
    </soap:Header>

```

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```

    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getEnabledGeoLocationViews>
      <urn2:domainName>SOMEPRIMARYDOMAIN.COM</urn2:domainName>
    </urn2:getEnabledGeoLocationViews>
  </soap:Body>
</soap:Envelope>

```

#### 11.6.4 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:getEnabledGeoLocationViewsRes viewSetName="AsiaSet"
xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:2"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:viewName>View1</ns2:viewName>
      <ns2:viewName>View2</ns2:viewName>
      <ns2:viewName>View3</ns2:viewName>
    </ns2:getEnabledGeoLocationViewsRes>
  </S:Body>
</S:Envelope>

```

## 12 NAME SERVER API

### 12.1 CREATECUSTOMERNAMESERVER

This API enables the user to configure a Customer Name Server. Customer Name Servers configured in this API can subsequently be used while creating or updating a Secondary Zone, to which the Customer Name Server will act as a primary name server.

#### 12.1.1 Definitions

Field	Definition
name	The name for the customer name server.
ipAddress	The IP address for the customer name server.

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enableTsig	The flag to enable TSIG for the customer name server.
keySize	The size of the TSIG key to generate. The key size can be 128, 256, or 512.

### 12.1.2 Usage

- Customer Name Servers are Name Servers owned by the Customer and not Verisign.
- Customer Name Servers can be created with TSIG enabled. This is done by setting the enableTsig element to true and specifying a Key Size.
- Key Size can be 128, 256, or 512.

### 12.1.3 Creating a Customer Name Server

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <createCustomerNameServer xmlns="urn:com:verisign:dnsmessaging:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:schema:1">
      <nameServer>
        <name>ns1</name>
        <ipAddress>99.99.99.99</ipAddress>
      </nameServer>
      <tsigInfo>
        <enableTsig>true</enableTsig>
        <keySize>128</keySize>
      </tsigInfo>
    </createCustomerNameServer>
  </S:Body>
</S:Envelope>
```

### 12.1.4 Creating a Customer Name Server without TSIG

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
```

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```

    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <createCustomerNameServer xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <nameServer>
        <name>ns1</name>
        <ipAddress>99.99.99.99</ipAddress>
      </nameServer>
      <tsigInfo>
        <enableTsig>false</enableTsig>
      </tsigInfo>
    </createCustomerNameServer>
  </S:Body>
</S:Envelope>

```

### 12.1.5 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:createCustomerNameServerRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:nameServer>
        <ns2:nameServerId>9999</ns2:nameServerId>
        <ns2:name>ns1</ns2:name>
        <ns2:ipAddress>99.99.99.99</ns2:ipAddress>
        <ns2:TSIGKeyName>srv99999999</ns2:TSIGKeyName>
      </ns2:nameServer>
    </ns2:createCustomerNameServerRes>
  </env:Body>
</env:Envelope>

```

```

        <ns2:TSIGKey>zs/sqtZ9AIUH6lzb29J0Fg==</ns2:TSIGKey>
    </ns2:nameServer>
</ns2:createCustomerNameServerRes>
</env:Body>
</env:Envelope>

```

## 12.2 CREATECUSTOMERNAMESESERVER\_V2

This API enables the user to configure a Customer Name Server. Customer Name Servers configured in this API can subsequently be used while creating or updating a Secondary Zone, to which the Customer Name Server will act as a primary name server.

### 12.2.1 Definitions

Field	Definition
name	The name for the customer name server.
ipAddress	The IP address for the customer name server.
TSIGAlgorithm	TSIG algorithm can be MD5, SHA1, SHA224, SHA256, SHA384, SHA512.
keySize	The size of the TSIG key to generate. The key size can be 128, 256, or 512.
TSIGKeyName	The name of the TSIG key.
TSIGKey	The TSIG key

### 12.2.2 Usage

- Customer Name Servers are Name Servers owned by the Customer and not Verisign.
- Customer Name Servers can be created with either generating a new TSIG or using the provided TSIG information.
- Key Size can be 128, 256, or 512.

### 12.2.3 Creating a Customer Name Server with generating a new TSIG

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <createCustomerNameServerReq>
      <name>example.com</name>
      <ipAddress>192.168.1.1</ipAddress>
      <TSIGAlgorithm>MD5</TSIGAlgorithm>
      <keySize>128</keySize>
      <TSIGKeyName>example.com</TSIGKeyName>
      <TSIGKey>zs/sqtZ9AIUH6lzb29J0Fg==</TSIGKey>
    </createCustomerNameServerReq>
  </S:Body>
</S:Envelope>

```

```

    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <createCustomerNameServer_v2 xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <nameServerInfo>
        <name>ns1</name>
        <ipAddress>99.99.99.99</ipAddress>
        <generateTsig>
          <TSIGAlgorithm>MD5</TSIGAlgorithm>
          <keySize>128</keySize>
        </generateTsig>
      </nameServerInfo>
    </createCustomerNameServer_v2>
  </S:Body>
</S:Envelope>

```

## 12.2.4 Creating a Customer Name Server using the provided TSIG information

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <createCustomerNameServer_v2 xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <nameServerInfo>
        <name>ns1</name>
        <ipAddress>99.99.99.99</ipAddress>
        <tsigInfo>
          <TSIGKeyName>key1</TSIGKeyName>
          <TSIGKey>mnop</TSIGKey>
          <TSIGAlgorithm>SHA256</TSIGAlgorithm>
        </tsigInfo>
      </nameServerInfo>
    </createCustomerNameServer_v2>
  </S:Body>
</S:Envelope>

```

```

    </nameServerInfo>
  </createCustomerNameServer_v2>
</S:Body>
</S:Envelope>

```

## 12.2.5 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsm:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns4:createCustomerNameServerRes_V2
xmlns="urn:com:verisign:dnsm:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsm:api:schema:2">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns4:nameServerInfo>
        <ns4:name>ns1</ns4:name>
        <ns4:ipAddress>9.99.99.99</ns4:ipAddress>
        <ns4:tsigInfo>
          <ns4:TSIGKeyName>key1</ns4:TSIGKeyName>
          <ns4:TSIGKey>mnop</ns4:TSIGKey>
          <ns4:TSIGAlgorithm>SHA256</ns4:TSIGAlgorithm>
        </ns4:tsigInfo>
      </ns4:nameServerInfo>
    </ns4:createCustomerNameServerRes_V2>
  </env:Body>
</env:Envelope>

```

## 12.3 UPDATECUSTOMERNAMESERVER

This API enables the user to update a Customer Name Server. Customer Name Servers updated in this API can subsequently be used while creating or updating a Secondary Zone, to which the Customer Name Server will act as a primary name server.

### 12.3.1 Definitions

Field	Definition
nameServerId	The identifier for the Customer Name Server.
name	The name for the Customer Name Server.

ipAddress	The IP address for the Customer Name Server.
enableTsig	The flag to enable TSIG for the Customer Name Server.
generateKey	The flag to indicate that a TSIG key needs to be generated/regenerated.
keySize	The size of the TSIG key to generate. The key size can be 128, 256, or 512.

### 12.3.2 Usage

- Customer Name Servers are Name Servers owned by the Customer and not Verisign.
- While updating a Customer Name Server, TSIG can be enabled, disabled, or have the key regenerated.
- To Disable TSIG, set the enableTsig element to false.
- To Enable TSIG for a name server with TSIG disabled, set enableTsig and generateKey to true. Also, specify a Key Size.
- To retain the TSIG Key for a previously configured name server, set the enableTsig element to true and generateKey to false.
- To regenerate the TSIG Key, set enableTsig and generateKey to true. Also specify a Key Size.
- Key Size can be 128, 256, or 512.
- The Name Server to be updated is determined by the nameServerId element. The Name Server ID can be retrieved using the getCustomerNameServerList API.

### 12.3.3 Updating a Customer Name Server

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <updateCustomerNameServer xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <nameServer>
        <nameServerId>9999</nameServerId>
        <name>ns1</name>
      </nameServer>
    </updateCustomerNameServer>
  </S:Body>
</S:Envelope>
```

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```

        <ipAddress>99.99.99.99</ipAddress>
    </nameServer>
    <tsigInfo>
        <enableTsig>true</enableTsig>
        <generateKey>true</generateKey>
        <keySize>256</keySize>
    </tsigInfo>
</updateCustomerNameServer>
</S:Body>
</S:Envelope>

```

### 12.3.4 Disabling TSIG for a Customer Name Server

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
    <S:Header>
        <ns2:authInfo xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:api:schema:1">
            <ns2:userToken>
                <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
                <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
            </ns2:userToken>
        </ns2:authInfo>
        <reliableMessageReq xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:api:schema:1">
            <MessageId>MSG_CORRELATION_ID</MessageId>
        </reliableMessageReq>
    </S:Header>
    <S:Body>
        <updateCustomerNameServer xmlns="urn:com:verisign:dnsmessaging:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:schema:1">
            <nameServer>
                <nameServerId>9999</nameServerId>
                <name>ns1</name>
                <ipAddress>99.99.99.99</ipAddress>
            </nameServer>
            <tsigInfo>
                <enableTsig>false</enableTsig>
            </tsigInfo>
        </updateCustomerNameServer>
    </S:Body>
</S:Envelope>

```

### 12.3.5 Updating a Customer Name Server without Regenerating a TSIG Key

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">

```

```

<S:Header>
  <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
    <ns2:userToken>
      <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
      <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
    </ns2:userToken>
  </ns2:authInfo>
  <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
    <MessageId>MSG_CORRELATION_ID</MessageId>
  </reliableMessageReq>
</S:Header>
<S:Body>
  <updateCustomerNameServer xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
    <nameServer>
      <nameServerId>9999</nameServerId>
      <name>ns1</name>
      <ipAddress>99.99.99.99</ipAddress>
    </nameServer>
    <tsigInfo>
      <enableTsig>true</enableTsig>
      <generateKey>false</generateKey>
    </tsigInfo>
  </updateCustomerNameServer>
</S:Body>
</S:Envelope>

```

### 12.3.6 Updating a Customer Name Server by Regenerating a TSIG Key

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <updateCustomerNameServer xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <nameServer>
        <nameServerId>9999</nameServerId>
        <name>ns1</name>
        <ipAddress>99.99.99.99</ipAddress>
      </nameServer>
      <tsigInfo>
        <enableTsig>true</enableTsig>
        <generateKey>false</generateKey>
      </tsigInfo>
    </updateCustomerNameServer>
  </S:Body>
</S:Envelope>

```

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```

</S:Header>
<S:Body>
  <updateCustomerNameServer xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
    <nameServer>
      <nameServerId>9999</nameServerId>
      <name>ns1</name>
      <ipAddress>99.99.99.99</ipAddress>
    </nameServer>
    <tsigInfo>
      <enableTsig>true</enableTsig>
      <generateKey>true</generateKey>
      <keySize>512</keySize>
    </tsigInfo>
  </updateCustomerNameServer>
</S:Body>
</S:Envelope>

```

### 12.3.7 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:updateCustomerNameServerRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:nameServer>
        <ns2:nameServerId>9999</ns2:nameServerId>
        <ns2:name>ns1</ns2:name>
        <ns2:ipAddress>99.99.99.99</ns2:ipAddress>
        <ns2:TSIGKeyName>srv99999999</ns2:TSIGKeyName>
        <ns2:TSIGKey>zs/sqtZ9AIUH61zB29J0Fg==</ns2:TSIGKey>
      </ns2:nameServer>
    </ns2:updateCustomerNameServerRes>
  </env:Body>
</env:Envelope>

```



## 12.4 UPDATECUSTOMERNAMESERVER\_V2

This API enables the user to update a Customer Name Server. Customer Name Servers updated in this API can subsequently be used while creating or updating a Secondary Zone, to which the Customer Name Server will act as a primary name server.

### 12.4.1 Definitions

Field	Definition
existingIPAddress	The IP address of the name server to be updated.
name	The name for the customer name server.
ipAddress	The IP address for the customer name server.
TSIGAlgorithm	TSIG algorithm can be MD5, SHA1, SHA224, SHA256, SHA384, SHA512.
keySize	The size of the TSIG key to generate. The key size can be 128, 256, or 512.
TSIGKeyName	The name of the TSIG key.
TSIGKey	The TSIG key

### 12.4.2 Usage

- Customer Name Servers are Name Servers owned by the Customer and not Verisign.
- Key Size can be 128, 256, or 512.
- The Name Server to be updated is determined by the existingIPAddress element.
- Customer Name Servers can be updated with either generating a new TSIG or using the provided TSIG information.

### 12.4.3 Updating a Customer Name Server with generating a new TSIG

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
```

```

<updateCustomerNameServer_V2xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
  <existingIPAddress>38.174.157.130</existingIPAddress>
  <newNameServerInfo>
    <name>ns1</name>
    <ipAddress>99.99.99.99</ipAddress>
    <generateTsig>
      <TSIGAlgorithm>MD5</TSIGAlgorithm>
      <keySize>128</keySize>
    </generateTsig>
  </newNameServerInfo>
</updateCustomerNameServer_V2>
</S:Body>
</S:Envelope>

```

#### 12.4.4 Updating a Customer Name Server using provided TSIG information

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <updateCustomerNameServer_V2 xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <existingIPAddress>38.174.157.130</existingIPAddress>
      <newNameServerInfo>
        <name>ns1</name>
        <ipAddress>38.174.157.131</ipAddress>
        <tsigInfo>
          <TSIGKeyName>key1</TSIGKeyName>
          <TSIGKey>H+DUk5O+8cfih/v0vAvfA==</TSIGKey>
          <TSIGAlgorithm>MD5</TSIGAlgorithm>
        </tsigInfo>
      </newNameServerInfo>
    </updateCustomerNameServer_V2>
  </S:Body>
</S:Envelope>

```

```

</updateCustomerNameServer_V2>
</S:Body>
</S:Envelope>

```

### 12.4.5 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsm:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns4:updateCustomerNameServerRes_V2
xmlns="urn:com:verisign:dnsm:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsm:api:schema:2">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns4:nameServerInfo>
        <ns4:name>ns1</ns4:name>
        <ns4:ipAddress>38.174.157.131</ns4:ipAddress>
        <ns4:tsigInfo>
          <ns4:TSIGKeyName>key1</ns4:TSIGKeyName>
          <ns4:TSIGKey>H+DUnk50+8cfih/v0vAvfA==</ns4:TSIGKey>
          <ns4:TSIGAlgorithm>MD5</ns4:TSIGAlgorithm>
        </ns4:tsigInfo>
      </ns4:nameServerInfo>
    </ns4:updateCustomerNameServerRes_V2>
  </env:Body>
</env:Envelope>

```

## 12.5 DELETECUSTOMERNAMESERVER

This API enables the user to delete a Customer Name Server.

### 12.5.1 Definitions

Field	Definition
nameServerId	The identifier for the customer name server.

### 12.5.2 Usage

- A Customer Name Server that's in use by a Secondary Zone cannot be deleted.
- The Name Server to be updated is determined by the nameServerId element. The Name Server ID can be retrieved using the getCustomerNameServerList API.

### 12.5.3 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <deleteCustomerNameServer xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <nameServerId>9999</nameServerId>
    </deleteCustomerNameServer>
  </S:Body>
</S:Envelope>
```

### 12.5.4 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsaWSRes>
  </env:Body>
</env:Envelope>
```

## 12.6 DELETECUSTOMERNAMESEVER\_V2

This API enables the user to delete a Customer Name Server.

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### 12.6.1 Definitions

Field	Definition
ipAddress	The IP Address of the Customer Name Server.

### 12.6.2 Usage

- A Customer Name Server that's in use by a Secondary Zone cannot be deleted.
- The Name Server to be updated is determined by the ipAddress element.

### 12.6.3 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <deleteCustomerNameServer_V2 xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ipAddress>38.174.157.131</ipAddress>
    </deleteCustomerNameServer_V2>
  </S:Body>
</S:Envelope>
```

### 12.6.4 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
```

```

<ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
  <ns2:callSuccess>true</ns2:callSuccess>
</ns2:dnsaWSRes>
</env:Body>
</env:Envelope>

```

## 12.7 GETCUSTOMERNAMESERVERLIST

This API enables the user to retrieve the list of Customer Name Server.

### 12.7.1 Definitions

Field	Definition
pageNumber	The page number being requested. Defaults to page 1.
pageSize	The maximum number of records per page. Defaults to 100.
totalCount	The total number of records for the query, ignoring page parameters. This is not necessarily the number of records returned in this call.
nameServerId	The identifier for the customer name server.
name	The name for the customer name server.
ipAddress	The IP address for the customer name server.
enableTsig	The flag to enable TSIG for the customer name server.
generateKey	The flag to indicate that a TSIG key needs to be generated/regenerated.
keySize	The size of the TSIG key to generate. The key size can be 128, 256, or 512.

### 12.7.2 Request

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>

```

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```

    <getCustomerNameServerList xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1" />
  </S:Body>
</S:Envelope>

```

### 12.7.3 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:getCustomerNameServerListRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:nameServer>
        <ns2:nameServerId>999</ns2:nameServerId>
        <ns2:name>ns1</ns2:name>
        <ns2:ipAddress>13.13.13.13</ns2:ipAddress>
        <ns2:TSIGKeyName>srv999</ns2:TSIGKeyName>
        <ns2:TSIGKey>lfi jRtqT24wuPhSQGcsMKw==</ns2:TSIGKey>
      </ns2:nameServer>
      <ns2:nameServer>
        <ns2:nameServerId>9999</ns2:nameServerId>
        <ns2:name>ns2</ns2:name>
        <ns2:ipAddress>147.154.98.199</ns2:ipAddress>
        <ns2:TSIGKeyName>srv9999</ns2:TSIGKeyName>
        <ns2:TSIGKey>j13LxdkRHbaOvMbnExhGyA==</ns2:TSIGKey>
      </ns2:nameServer>
      <ns2:nameServer>
        <ns2:nameServerId>99999</ns2:nameServerId>
        <ns2:name>ns3</ns2:name>
        <ns2:ipAddress>6.148.40.68</ns2:ipAddress>
        <ns2:TSIGKeyName>srv99999</ns2:TSIGKeyName>
        <ns2:TSIGKey>zYc7K3c96gu4drWlunJQ==</ns2:TSIGKey>
      </ns2:nameServer>
      ...
    </ns2:getCustomerNameServerListRes>
  </env:Body>
</env:Envelope>

```

## 12.8 GETCUSTOMERNAMESEVERLIST\_V2

This API enables the user to retrieve the list of Customer Name Server.

### 12.8.1 Definitions

Field	Definition
ipAddress	The IP address of the customer name server.
name	The name for the customer name server.
TSIGKeyName	The flag to enable TSIG for the customer name server.
TSIGKey	The flag to indicate that a TSIG key needs to be generated/regenerated.
TSIGAlgorithm	The size of the TSIG key to generate. The key size can be 128, 256, or 512.

### 12.8.2 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <getCustomerNameServerList_V2 xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:schema:1" />
  </S:Body>
</S:Envelope>
```

### 12.8.3 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns4="urn:com:verisign:dnsmessaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <getCustomerNameServerList_V2Response xmlns="urn:com:verisign:dnsmessaging:schema:1" />
  </env:Body>
</env:Envelope>
```

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```

</env:Header>
<env:Body>
  <ns2:getCustomerNameServerListRes_V2
xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
    <ns2:callSuccess>true</ns2:callSuccess>
    <ns4:nameServerInfo>
      <ns4:name>123NameServer123</ns4:name>
      <ns4:ipAddress>38.174.157.131</ns4:ipAddress>
      <ns4:tsigInfo>
        <ns4:TSIGKeyName>key1</ns4:TSIGKeyName>
        <ns4:TSIGKey>H+DUnk5O+8cfih/v0vAvfA==</ns4:TSIGKey>
        <ns4:TSIGAlgorithm>MD5</ns4:TSIGAlgorithm>
      </ns4:tsigInfo>
    </ns4:nameServerInfo>
    <ns4:nameServerInfo>
      <ns4:name>124NameServer</ns4:name>
      <ns4:ipAddress>40.174.157.133</ns4:ipAddress>
      <ns4:tsigInfo>
        <ns4:TSIGKeyName>key2</ns4:TSIGKeyName>
        <ns4:TSIGKey>sjds</ns4:TSIGKey>
        <ns4:TSIGAlgorithm>MD5</ns4:TSIGAlgorithm>
      </ns4:tsigInfo>
    </ns4:nameServerInfo>
    <ns4:nameServerInfo>
      <ns4:name>125NameServer</ns4:name>
      <ns4:ipAddress>44.174.157.134</ns4:ipAddress>
      <ns4:tsigInfo/>
    </ns4:nameServerInfo>
    ...
  </ns2:getCustomerNameServerListRes_V2>
</env:Body>
</env:Envelope>

```

## 12.9 GETCUSTOMERNAMESERVERBYIP

This API enables the user to retrieve the list of Customer Name Server given an IP address.

### 12.9.1 Definitions

Field	Definition
nameServerId	The identifier for the customer name server.
name	The name for the customer name server.
ipAddress	The IP address for the customer name server.
enableTsig	The flag to enable TSIG for the customer name server.

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generateKey	The flag to indicate that a TSIG key needs to be generated/regenerated.
keySize	The size of the TSIG key to generate. The key size can be 128, 256, or 512.

### 12.9.2 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <getCustomerNameServerByIp xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ipAddress>131.117.12.156</ipAddress>
    </getCustomerNameServerByIp>
  </S:Body>
</S:Envelope>
```

### 12.9.3 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:getCustomerNameServerByIpRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:nameServer>
        <ns2:nameServerId>999</ns2:nameServerId>
        <ns2:name>ns1</ns2:name>
      </ns2:nameServer>
    </ns2:getCustomerNameServerByIpRes>
  </env:Body>
</env:Envelope>
```

```

        <ns2:ipAddress>13.13.13.13</ns2:ipAddress>
        <ns2:TSIGKeyName>srv999</ns2:TSIGKeyName>
        <ns2:TSIGKey>lfi jRtqT24wuPhSQGcsMKw==</ns2:TSIGKey>
    </ns2:nameServer>
</ns2:getCustomerNameServerByIpRes>
</env:Body>
</env:Envelope>

```

## 12.10 GETCUSTOMERNAMESEVERBYIP\_V2

This API enables the user to retrieve the list of Customer Name Server given an IP address.

### 12.10.1 Definitions

Field	Definition
ipAddress	The IP address of the customer name server.
name	The name for the customer name server.
TSIGKeyName	The flag to enable TSIG for the customer name server.
TSIGKey	The flag to indicate that a TSIG key needs to be generated/regenerated.
TSIGAlgorithm	The size of the TSIG key to generate. The key size can be 128, 256, or 512.

### 12.10.2 Request

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <getCustomerNameServerByIp_V2 xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ipAddress>131.117.12.156</ipAddress>
    </getCustomerNameServerByIp_V2>
  </S:Body>

```

```
</S:Envelope>
```

### 12.10.3 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:getCustomerNameServerByIpRes_V2
xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns4:nameServerInfo>
        <ns4:name>generatetsig</ns4:name>
        <ns4:ipAddress>131.117.12.156</ns4:ipAddress>
        <ns4:tsigInfo>
          <ns4:TSIGKeyName>srv154641415993</ns4:TSIGKeyName>
          <ns4:TSIGKey>e2kbTlaPgZREoFlfGLU+dQ==</ns4:TSIGKey>
          <ns4:TSIGAlgorithm>MD5</ns4:TSIGAlgorithm>
        </ns4:tsigInfo>
      </ns4:nameServerInfo>
    </ns2:getCustomerNameServerByIpRes_V2>
  </env:Body>
</env:Envelope>
```

## 12.11 CREATECUSTOMERSITEOPTION

This API enables the user to create a collection of Resolution Sites for use with a Primary or Secondary Zone.

### 12.11.1 Definitions

Field	Definition
accountSiteOptionName	The name for the site option being used with the zone.
virtualNameServerId	The ID for a Verisign name server.
comments	Comments for this operation.

### 12.11.2 Usage

- To create a Site Option, specify the Account Site Option Name and a set of Virtual Server ID's. The available Virtual Server ID's can be retrieved from the Resolution Site Set using the `getCustomerSiteOptionList` API.

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- This API call will only accept the new name server IDs. If these name servers happen to be white labeled, the site option will be created with the white labeled name servers.
- Standard, Expanded and Old expanded are reserved words and will not be accepted for site option names.
- Either a1.verisigndns.com, a2.verisigndns.com or a3.verisigndns.com is required for every Site Option.
- Every site option should have at least 2 name servers.

### 12.11.3 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:createCustomerSiteOption xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:accountSiteOptionName>MY SITE OPTION </ns3:accountSiteOptionName>
      <ns3:virtualNameServerId>10</ns3:virtualNameServerId>
      <ns3:virtualNameServerId>13</ns3:virtualNameServerId>
      <ns3:virtualNameServerId>14</ns3:virtualNameServerId>
      <ns3:comments>COMMENTS GO HERE</ns3:comments>
    </ns3:createCustomerSiteOption>
  </S:Body>
</S:Envelope>
```

### 12.11.4 Response

```
<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
```

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```

</env:Header>
<env:Body>
  <ns2:dnsaWSRes xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1">
    <ns2:callSuccess>true</ns2:callSuccess>
  </ns2:dnsaWSRes>
</env:Body>
</env:Envelope>

```

## 12.12 DELETECUSTOMERSITEOPTION

This API enables the user to delete a Customer Site Option.

### 12.12.1 Definitions

Field	Definition
accountSiteOptionName	The name for the site option being used with the zone.
comments	Comments for this operation.

### 12.12.2 Usage

- A Site Option that's currently in use by a Zone cannot be deleted.
- Global, North America, Europe and Asia Pacific Site Options cannot be deleted.

### 12.12.3 Request

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:deleteCustomerSiteOption xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:accountSiteOptionName>MY SITE OPTION</ns3:accountSiteOptionName>
      <ns3:comments>COMMENTS GO HERE</ns3:comments>
    </ns3:deleteCustomerSiteOption>
  </S:Body>
</S:Envelope>

```

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```

</ns3:deleteCustomerSiteOption>
</S:Body>
</S:Envelope>

```

#### 12.12.4 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsm:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <ns2:dnsmWSRes xmlns="urn:com:verisign:dnsm:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
    </ns2:dnsmWSRes>
  </env:Body>
</env:Envelope>

```

### 12.13 GETCUSTOMERSITEOPTIONLIST

This API enables the user to retrieve all standard as well as custom Site Options created by the Customer.

#### 12.13.1 Definitions

Field	Definition
pageNumber	The page number being requested. Defaults to page 1.
pageSize	The maximum number of records per page. Defaults to 100.
totalCount	The total number of records for the query, ignoring page parameters. This is not necessarily the number of records returned in this call.
virtualNameServerId	The ID for a Verisign name server.
name	The host name for a Verisign name server.
ipAddress	The IP address for a Verisign name server.
location	The physical location for a Verisign name server.

#### 12.13.2 Usage

- This API also returns the Resolution Site set. These are the available resolution sites that a customer can select from create site options.

- This API call will only fetch the site options with the new name servers. If these name servers happen to be white labeled, this API call will return the white labeled name servers
- The anycast name servers will contain both IPv4 and IPv6 addresses.

### 12.13.3 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:getCustomerSiteOptionList xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1" />
  </S:Body>
</S:Envelope>
```

### 12.13.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:getCustomerSiteOptionListRes
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns="urn:com:verisign:dnsa:api:schema:2">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:resolutionSiteSet>
        <ns2:nameServer>
          <ns2:virtualNameServerId>10</ns2:virtualNameServerId>
          <ns2:name>a1.verisigndns.com</ns2:name>
        </ns2:nameServer>
      </ns2:resolutionSiteSet>
    </ns2:getCustomerSiteOptionListRes>
  </S:Body>
</S:Envelope>
```



```

        <ns2:ipAddress>209.112.113.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0500:856E::33</ns2:ipv6Address>
        <ns2:location>Anycast Global</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>11</ns2:virtualNameServerId>
        <ns2:name>a2.verisigndns.com</ns2:name>
        <ns2:ipAddress>209.112.114.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0500:7967::33</ns2:ipv6Address>
        <ns2:location>Anycast 1</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>12</ns2:virtualNameServerId>
        <ns2:name>a3.verisigndns.com</ns2:name>
        <ns2:ipAddress>69.36.145.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0502:CBE4::33</ns2:ipv6Address>
        <ns2:location>Anycast 2</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>13</ns2:virtualNameServerId>
        <ns2:name>u1.verisigndns.com</ns2:name>
        <ns2:ipAddress>69.36.146.33</ns2:ipAddress>
        <ns2:location>Unicast North America</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>14</ns2:virtualNameServerId>
        <ns2:name>u2.verisigndns.com</ns2:name>
        <ns2:ipAddress>72.13.46.33</ns2:ipAddress>
        <ns2:location>Unicast Europe</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>15</ns2:virtualNameServerId>
        <ns2:name>u3.verisigndns.com</ns2:name>
        <ns2:ipAddress>72.13.47.33</ns2:ipAddress>
        <ns2:location>Unicast Asia Pacific</ns2:location>
    </ns2:nameServer>
</ns2:resolutionSiteSet>
<ns2:standardSiteOption>
    <ns2:accountSiteOptionName>North America</ns2:accountSiteOptionName>
    <ns2:nameServer>
        <ns2:virtualNameServerId>10</ns2:virtualNameServerId>
        <ns2:name>a1.verisigndns.com</ns2:name>
        <ns2:ipAddress>209.112.113.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0500:856E::33</ns2:ipv6Address>
        <ns2:location>Anycast Global</ns2:location>
    </ns2:nameServer>

```

```

<ns2:nameServer>
  <ns2:virtualNameServerId>11</ns2:virtualNameServerId>
  <ns2:name>a2.verisigndns.com</ns2:name>
  <ns2:ipAddress>209.112.114.33</ns2:ipAddress>
  <ns2:ipv6Address>2001:0500:7967::33</ns2:ipv6Address>
  <ns2:location>Anycast 1</ns2:location>
</ns2:nameServer>
<ns2:nameServer>
  <ns2:virtualNameServerId>12</ns2:virtualNameServerId>
  <ns2:name>a3.verisigndns.com</ns2:name>
  <ns2:ipAddress>69.36.145.33</ns2:ipAddress>
  <ns2:ipv6Address>2001:0502:CBE4::33</ns2:ipv6Address>
  <ns2:location>Anycast 2</ns2:location>
</ns2:nameServer>
<ns2:nameServer>
  <ns2:virtualNameServerId>13</ns2:virtualNameServerId>
  <ns2:name>u1.verisigndns.com</ns2:name>
  <ns2:ipAddress>69.36.146.33</ns2:ipAddress>
  <ns2:location>Unicast North America</ns2:location>
</ns2:nameServer>
</ns2:standardSiteOption>
<ns2:standardSiteOption>
  <ns2:accountSiteOptionName>Europe</ns2:accountSiteOptionName>
  <ns2:nameServer>
    <ns2:virtualNameServerId>10</ns2:virtualNameServerId>
    <ns2:name>a1.verisigndns.com</ns2:name>
    <ns2:ipAddress>209.112.113.33</ns2:ipAddress>
    <ns2:ipv6Address>2001:0500:856E::33</ns2:ipv6Address>
    <ns2:location>Anycast Global</ns2:location>
  </ns2:nameServer>
  <ns2:nameServer>
    <ns2:virtualNameServerId>11</ns2:virtualNameServerId>
    <ns2:name>a2.verisigndns.com</ns2:name>
    <ns2:ipAddress>209.112.114.33</ns2:ipAddress>
    <ns2:ipv6Address>2001:0500:7967::33</ns2:ipv6Address>
    <ns2:location>Anycast 1</ns2:location>
  </ns2:nameServer>
  <ns2:nameServer>
    <ns2:virtualNameServerId>12</ns2:virtualNameServerId>
    <ns2:name>a3.verisigndns.com</ns2:name>
    <ns2:ipAddress>69.36.145.33</ns2:ipAddress>
    <ns2:ipv6Address>2001:0502:CBE4::33</ns2:ipv6Address>
    <ns2:location>Anycast 2</ns2:location>
  </ns2:nameServer>
  <ns2:nameServer>
    <ns2:virtualNameServerId>14</ns2:virtualNameServerId>

```

```

        <ns2:name>u2.verisigndns.com</ns2:name>
        <ns2:ipAddress>72.13.46.33</ns2:ipAddress>
        <ns2:location>Unicast Europe</ns2:location>
    </ns2:nameServer>
</ns2:standardSiteOption>
<ns2:standardSiteOption>
    <ns2:accountSiteOptionName>Asia Pacific</ns2:accountSiteOptionName>
    <ns2:nameServer>
        <ns2:virtualNameServerId>10</ns2:virtualNameServerId>
        <ns2:name>a1.verisigndns.com</ns2:name>
        <ns2:ipAddress>209.112.113.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0500:856E::33</ns2:ipv6Address>
        <ns2:location>Anycast Global</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>11</ns2:virtualNameServerId>
        <ns2:name>a2.verisigndns.com</ns2:name>
        <ns2:ipAddress>209.112.114.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0500:7967::33</ns2:ipv6Address>
        <ns2:location>Anycast 1</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>12</ns2:virtualNameServerId>
        <ns2:name>a3.verisigndns.com</ns2:name>
        <ns2:ipAddress>69.36.145.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0502:CBE4::33</ns2:ipv6Address>
        <ns2:location>Anycast 2</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>15</ns2:virtualNameServerId>
        <ns2:name>u3.verisigndns.com</ns2:name>
        <ns2:ipAddress>72.13.47.33</ns2:ipAddress>
        <ns2:location>Unicast Asia Pacific</ns2:location>
    </ns2:nameServer>
</ns2:standardSiteOption>
<ns2:standardSiteOption>
    <ns2:accountSiteOptionName>Global</ns2:accountSiteOptionName>
    <ns2:nameServer>
        <ns2:virtualNameServerId>10</ns2:virtualNameServerId>
        <ns2:name>a1.verisigndns.com</ns2:name>
        <ns2:ipAddress>209.112.113.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0500:856E::33</ns2:ipv6Address>
        <ns2:location>Anycast Global</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>11</ns2:virtualNameServerId>

```

```

        <ns2:name>a2.verisigndns.com</ns2:name>
        <ns2:ipAddress>209.112.114.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0500:7967::33</ns2:ipv6Address>
        <ns2:location>Anycast 1</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>12</ns2:virtualNameServerId>
        <ns2:name>a3.verisigndns.com</ns2:name>
        <ns2:ipAddress>69.36.145.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0502:CBE4::33</ns2:ipv6Address>
        <ns2:location>Anycast 2</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>13</ns2:virtualNameServerId>
        <ns2:name>u1.verisigndns.com</ns2:name>
        <ns2:ipAddress>69.36.146.33</ns2:ipAddress>
        <ns2:location>Unicast North America</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>14</ns2:virtualNameServerId>
        <ns2:name>u2.verisigndns.com</ns2:name>
        <ns2:ipAddress>72.13.46.33</ns2:ipAddress>
        <ns2:location>Unicast Europe</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>15</ns2:virtualNameServerId>
        <ns2:name>u3.verisigndns.com</ns2:name>
        <ns2:ipAddress>72.13.47.33</ns2:ipAddress>
        <ns2:location>Unicast Asia Pacific</ns2:location>
    </ns2:nameServer>
</ns2:standardSiteOption>
<ns2:customerSiteOption>

<ns2:accountSiteOptionName>AsiaPacifcAndNorthAmerica</ns2:accountSiteOptionName>
    <ns2:nameServer>
        <ns2:virtualNameServerId>10</ns2:virtualNameServerId>
        <ns2:name>a1.verisigndns.com</ns2:name>
        <ns2:ipAddress>209.112.113.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0500:856E::33</ns2:ipv6Address>
        <ns2:location>Anycast Global</ns2:location>
    </ns2:nameServer>
    <ns2:nameServer>
        <ns2:virtualNameServerId>11</ns2:virtualNameServerId>
        <ns2:name>a2.verisigndns.com</ns2:name>
        <ns2:ipAddress>209.112.114.33</ns2:ipAddress>
        <ns2:ipv6Address>2001:0500:7967::33</ns2:ipv6Address>
        <ns2:location>Anycast 1</ns2:location>

```

```

        </ns2:nameServer>
        <ns2:nameServer>
            <ns2:virtualNameServerId>12</ns2:virtualNameServerId>
            <ns2:name>a3.verisigndns.com</ns2:name>
            <ns2:ipAddress>69.36.145.33</ns2:ipAddress>
            <ns2:ipv6Address>2001:0502:CBE4::33</ns2:ipv6Address>
            <ns2:location>Anycast 2</ns2:location>
        </ns2:nameServer>
        <ns2:nameServer>
            <ns2:virtualNameServerId>13</ns2:virtualNameServerId>
            <ns2:name>u1.verisigndns.com</ns2:name>
            <ns2:ipAddress>69.36.146.33</ns2:ipAddress>
            <ns2:location>Unicast North America</ns2:location>
        </ns2:nameServer>
        <ns2:nameServer>
            <ns2:virtualNameServerId>15</ns2:virtualNameServerId>
            <ns2:name>u3.verisigndns.com</ns2:name>
            <ns2:ipAddress>72.13.47.33</ns2:ipAddress>
            <ns2:location>Unicast Asia Pacific</ns2:location>
        </ns2:nameServer>
    </ns2:customerSiteOption>
</ns2:getCustomerSiteOptionListRes>
</S:Body>
</S:Envelope>

```

## 13 MULTIZONE API

### 13.1 UPDATEMULTIZONERESOURCERECORDS

This API enables the user to update TTL and/or RDATA for one or more Primary Zones.

#### 13.1.1 Definitions

Field	Definition
domainName	The Zone Name(s) for the Resource Records.
resourceRecordType	The Resource Record type.
updateTtl	The new TTL value for the Resource Records.
oldRData	The current rdata value for the Resource Records.
newRData	The new rdata value for the Resource Records.
Comments	The comments for the operation.
taskId	Task id for asynchronous jobs

#### 13.1.2 Usage

- A maximum of 50 zones can be included in this operation.

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- Resource Records can only be updated for Primary Zones.
- Multiple Zone Resource Record updates can only be performed for a single Resource Record Type.
- This API can be used to update TTL or RDATA or both.
- To update TTL, set the updateTtl element to the new TTL.
- To update RDATA, specify the oldRdata and newRdata. Any RDATA matching the Old RDATA for the given Resource Record Type is replaced with the new RDATA.
- For MX records, only the mail server name is matched and replaced, the old preference is retained.
- The number of zones included in a single call cannot exceed 50.
- Resource records with failover cannot be updated using this call.
- The supported Resource Record Types are A, MX, PTR, AAAA, TXT, CNAME, NS, NAPTR, and SRV.
- Refer to <http://tools.ietf.org/html/rfc1035> for the proper A, MX, TXT, CNAME, and NS record formats.
- Refer to <http://tools.ietf.org/html/rfc3596> for the proper AAAA record format.
- Refer to <http://tools.ietf.org/html/rfc3403> for the proper NAPTR record format.
- Refer to <http://tools.ietf.org/html/rfc2782> for the proper SRV record format.

### 13.1.3 Request

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:updateMultiZoneResourceRecords xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:schema:1">
      <ns3:domainName>dom-1258578200437.com</ns3:domainName>
      <ns3:domainName>dom-1258578211547.com</ns3:domainName>
      <ns3:domainName>dom-1258578213235.com</ns3:domainName>
      <ns3:domainName>dom-1258578214876.com</ns3:domainName>
```

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```

<ns3:domainName>dom-1258578216516.com</ns3:domainName>
<ns3:domainName>dom-1258578218266.com</ns3:domainName>
<ns3:domainName>dom-1258578219923.com</ns3:domainName>
<ns3:domainName>dom-1258578221564.com</ns3:domainName>
<ns3:domainName>dom-1258578223298.com</ns3:domainName>
<ns3:domainName>dom-1258578225017.com</ns3:domainName>
<ns3:resourceRecordType>A</ns3:resourceRecordType>
<ns3:updateRData>
  <ns3:oldRData>11.11.11.11</ns3:oldRData>
  <ns3:newRData>22.22.22.22</ns3:newRData>
</ns3:updateRData>
<ns3:updateTtl>100</ns3:updateTtl>
</ns3:updateMultiZoneResourceRecords>
</S:Body>
</S:Envelope>

```

### 13.1.4 Response – None of the zones in the list are signed

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <callSuccess>true</callSuccess>
      <reason code="INFO" description="10 zones were updated." />
    </dnsaWSRes>
  </env:Body>
</env:Envelope>

```

### 13.1.5 Response – One or more zones in the list are signed

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:TaskedResType xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">

```

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```

        <ns2:callSuccess>true</ns2:callSuccess>
        <ns2:reason description="Task Id 963 is scheduled to update the zones."
code="INFO"/>
        <ns2:scheduledTask>true</ns2:scheduledTask>
        <ns2:taskId>963</ns2:taskId>
    </ns2:TaskedResType>
</S:Body>
</S:Envelope>

```

## 13.2 UPDATEMULTIZONESITEOPTION

This API enables the user to the site option for one or more zones.

### 13.2.1 Definitions

Field	Definition
domainName	The zone(s) being updated.
accountSiteOptionName	The name for the Site Option being used with the zones.
virtualNameServerId	The ID for a Verisign Name Server.
comments	Comments for this operation.
taskId	Task id for asynchronous jobs

### 13.2.2 Usage

- A maximum of 50 zones can be included in this operation.
- Resolution Sites can be updated when updating a zone by specifying an Account Site Option Name. The available Account Site Option Names can be retrieved using the `getCustomerSiteOptionList` API.
- This API will not accept the old site options any more (Standard, Expanded or Old Expanded).
- If the account has white labeled name servers, the site option that is associated with the zone will have white labeled name servers.
- Site option is not a required element. Omitting the site option element will result in retaining the existing site option.

### 13.2.3 Request

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
  </S:Header>
  <S:Body>
    <updateMultiZoneSiteOption>
      <domainName>example.com</domainName>
      <accountSiteOptionName>example.com</accountSiteOptionName>
      <virtualNameServerId>1</virtualNameServerId>
      <comments></comments>
      <taskId></taskId>
    </updateMultiZoneSiteOption>
  </S:Body>
</S:Envelope>

```

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```

    <reliableMessageReq xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:api:schema:1">
        <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
</S:Header>
<S:Body>
    <ns3:updateMultiZoneSiteOption xmlns="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:api:schema:1">
        <ns3:domainName>dom-1258578519304.com</ns3:domainName>
        <ns3:domainName>dom-1258578520960.com</ns3:domainName>
        <ns3:domainName>dom-1258578522632.com</ns3:domainName>
        <ns3:domainName>dom-1258578525226.com</ns3:domainName>
        <ns3:domainName>dom-1258578527085.com</ns3:domainName>
        <ns3:domainName>dom-1258578528757.com</ns3:domainName>
        <ns3:domainName>dom-1258578538022.com</ns3:domainName>
        <ns3:domainName>dom-1258578547398.com</ns3:domainName>
        <ns3:domainName>dom-1258578556679.com</ns3:domainName>
        <ns3:domainName>dom-1258578565991.com</ns3:domainName>
        <ns3:accountSiteOptionName>Site Option</ns3:accountSiteOptionName>
        <ns3:comments>MultiZone Site Option update</ns3:comments>
    </ns3:updateMultiZoneSiteOption>
</S:Body>
</S:Envelope>

```

#### 13.2.4 Response – None of the zones in the list are signed

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
    <S:Body>
        <ns2:TaskedResType xmlns:ns4="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:api:schema:1"
xmlns="urn:com:verisign:dnsmessaging:api:schema:2">
            <ns2:callSuccess>true</ns2:callSuccess>
            <ns2:reason description="10 zones were updated." code="INFO"/>
            <ns2:scheduledTask>false</ns2:scheduledTask>
            <ns2:taskId xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
        </ns2:TaskedResType>
    </S:Body>
</S:Envelope>

```

#### 13.2.5 Response – One or more zones in the list are signed

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
    <S:Body>
        <ns2:TaskedResType xmlns:ns4="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:api:schema:1"
xmlns="urn:com:verisign:dnsmessaging:api:schema:2">

```

```

        <ns2:callSuccess>true</ns2:callSuccess>
        <ns2:reason description="Task Id 437 is scheduled to update the zones."
code="INFO"/>
        <ns2:scheduledTask>true</ns2:scheduledTask>
        <ns2:taskId>437</ns2:taskId>
    </ns2:TaskedResType>
</S:Body>
</S:Envelope>

```

### 13.3 UPDATEMULTIZONESOA

This API enables the user to update the SOA record for one or more zones.

#### 13.3.1 Definitions

Field	Definition
domainName	The zone(s) being updated.
retry	The time interval that should elapse before a failed refresh is retried.
ttl	The default TTL value for the zone.
refresh	The time interval that should elapse before a zone is refreshed.
expire	The upper limit on the time interval that can elapse before the zone is no longer authoritative.
comments	Comments for this operation.
taskId	Task id for asynchronous jobs

#### 13.3.2 Usage

- A maximum of 50 zones can be included in this operation.

#### 13.3.3 Request

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:api:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <reliableMessageReq xmlns="urn:com:verisign:dnsmessaging:schema:1"
xmlns:ns2="urn:com:verisign:dnsmessaging:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsmessaging:api:schema:1">
      <MessageId>MSG_CORRELATION_ID</MessageId>
    </reliableMessageReq>
  </S:Header>
  <S:Body>
    <updateMultizoneSOA>
      <domainName>example.com</domainName>
      <ttl>3600</ttl>
      <refresh>3600</refresh>
      <expire>86400</expire>
      <comments></comments>
      <taskId></taskId>
    </updateMultizoneSOA>
  </S:Body>
</S:Envelope>

```

```

</S:Header>
<S:Body>
  <ns3:updateMultiZoneSOA xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
    <ns3:domainName>dom-1258578519304.com</ns3:domainName>
    <ns3:domainName>dom-1258578520960.com</ns3:domainName>
    <ns3:domainName>dom-1258578522632.com</ns3:domainName>
    <ns3:domainName>dom-1258578525226.com</ns3:domainName>
    <ns3:domainName>dom-1258578527085.com</ns3:domainName>
    <ns3:domainName>dom-1258578528757.com</ns3:domainName>
    <ns3:domainName>dom-1258578538022.com</ns3:domainName>
    <ns3:domainName>dom-1258578547398.com</ns3:domainName>
    <ns3:domainName>dom-1258578556679.com</ns3:domainName>
    <ns3:domainName>dom-1258578565991.com</ns3:domainName>
    <ns3:zoneSOAInfo>
      <ns3:retry>10000</ns3:retry>
      <ns3:ttl>100000</ns3:ttl>
      <ns3:refresh>10000</ns3:refresh>
      <ns3:expire>5000000</ns3:expire>
    </ns3:zoneSOAInfo>
    <ns3:comments>MultiZone SOA update</ns3:comments>
  </ns3:updateMultiZoneSOA>
</S:Body>
</S:Envelope>

```

### 13.3.4 Response – None of the zones in the list are signed

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>MSG_CORRELATION_ID</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <callSuccess>true</callSuccess>
      <reason code="INFO" description="10 zones were updated." />
    </dnsaWSRes>
  </env:Body>
</env:Envelope>

```

### 13.3.5 Response – One or more zones in the list are signed

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsm:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:TaskedResType xmlns="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:reason description="Task Id 962 is scheduled to update the zones."
code="INFO"/>
      <ns2:scheduledTask>true</ns2:scheduledTask>
      <ns2:taskId>962</ns2:taskId>
    </ns2:TaskedResType>
  </S:Body>
</S:Envelope>

```

## 13.4 CREATEMULTIZONEALLOWTRANSFER

This API enables the user to configure an IP address or an IP range that zone transfers (AXFR, IXFR) will be allowed from for one or more Primary Zones.

### 13.4.1 Definitions

Field	Definition
domainName	The zone names being updated.
fromIPAddress	The from IP address for an allow transfer IP range or an allow transfer IP.
toIPAddress	The to IP address for an allow transfer IP range.
comments	Comments for this operation.

### 13.4.2 Usage

- A maximum of 50 zones can be included in this operation.
- Allow Transfer configuration is only applicable for Primary Zones.
- To configure a single IP address, omit the toIPAddress element.

### 13.4.3 Configuring an IP Range

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:messaging:schema:1">

```

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```

    <ns2:userToken>
      <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
      <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
    </ns2:userToken>
  </ns2:authInfo>
  <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
    <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
  </ns3:reliableMessageReq>
</S:Header>
<S:Body>
  <ns3:createMultiZoneAllowTransfer xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
    <ns3:domainName>dom-1258578758977.com</ns3:domainName>
    <ns3:domainName>dom-1258578760633.com</ns3:domainName>
    <ns3:domainName>dom-1258578762290.com</ns3:domainName>
    <ns3:domainName>dom-1258578763930.com</ns3:domainName>
    <ns3:domainName>dom-1258578765586.com</ns3:domainName>
    <ns3:domainName>dom-1258578767243.com</ns3:domainName>
    <ns3:domainName>dom-1258578769133.com</ns3:domainName>
    <ns3:domainName>dom-1258578770805.com</ns3:domainName>
    <ns3:domainName>dom-1258578772508.com</ns3:domainName>
    <ns3:domainName>dom-1258578774180.com</ns3:domainName>
    <ns3:allowTransferRecord>
      <ns3:fromIPAddress>101.10.1.0</ns3:fromIPAddress>
      <ns3:toIPAddress>101.10.1.128</ns3:toIPAddress>
    </ns3:allowTransferRecord>
    <ns3:comments>Multi Zone Create Allow Transfer</ns3:comments>
  </ns3:createMultiZoneAllowTransfer>
</S:Body>
</S:Envelope>

```

#### 13.4.4 Configuring a Transfer IP Address

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>

```

```

<ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
  <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
</ns3:reliableMessageReq>
</S:Header>
<S:Body>
  <ns3:createMultiZoneAllowTransfer xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
    <ns3:domainName>dom-1258578758977.com</ns3:domainName>
    <ns3:domainName>dom-1258578760633.com</ns3:domainName>
    <ns3:domainName>dom-1258578762290.com</ns3:domainName>
    <ns3:domainName>dom-1258578763930.com</ns3:domainName>
    <ns3:domainName>dom-1258578765586.com</ns3:domainName>
    <ns3:domainName>dom-1258578767243.com</ns3:domainName>
    <ns3:domainName>dom-1258578769133.com</ns3:domainName>
    <ns3:domainName>dom-1258578770805.com</ns3:domainName>
    <ns3:domainName>dom-1258578772508.com</ns3:domainName>
    <ns3:domainName>dom-1258578774180.com</ns3:domainName>
    <ns3:allowTransferRecord>
      <ns3:fromIPAddress>101.10.1.0</ns3:fromIPAddress>
    </ns3:allowTransferRecord>
    <ns3:comments>Multi Zone Create Allow Transfer</ns3:comments>
  </ns3:createMultiZoneAllowTransfer>
</S:Body>
</S:Envelope>

```

### 13.4.5 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>uniqueid</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <callSuccess>true</callSuccess>
      <reason code="INFO" description="10 zones were updated." />
    </dnsaWSRes>
  </env:Body>
</env:Envelope>

```

## 13.5 UPDATEMULTIZONEALLOWTRANSFER

This API enables the user to update allow transfer IP ranges or IP addresses for one or more Primary Zones.

### 13.5.1 Definitions

Field	Definition
domainName	The zone names being updated.
fromIPAddress	The from IP address for an allow transfer IP range or an allow transfer IP.
toIPAddress	The to IP address for an allow transfer IP range.
comments	Comments for this operation.

### 13.5.2 Usage

- A maximum of 50 zones can be included in this operation.
- Allow Transfer configuration is only applicable for Primary Zones.
- To configure a single IP address, omit the toIPAddress element.
- To update allow transfer IP's, set the old and new IP range/IP address. All allow transfer records matching the old IP range/IP address will be updated to the new IP range/IP address.

### 13.5.3 Updating an IP Range

```
<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:updateMultiZoneAllowTransfer xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:api:schema:1">
      <ns3:domainName>dom-1258578910697.com</ns3:domainName>
      <ns3:domainName>dom-1258578912431.com</ns3:domainName>
      <ns3:domainName>dom-1258578914072.com</ns3:domainName>
    </ns3:updateMultiZoneAllowTransfer>
  </S:Body>
</S:Envelope>
```

```

<ns3:domainName>dom-1258578915728.com</ns3:domainName>
<ns3:domainName>dom-1258578917462.com</ns3:domainName>
<ns3:domainName>dom-1258578919103.com</ns3:domainName>
<ns3:domainName>dom-1258578920775.com</ns3:domainName>
<ns3:domainName>dom-1258578922431.com</ns3:domainName>
<ns3:domainName>dom-1258578924087.com</ns3:domainName>
<ns3:domainName>dom-1258578925759.com</ns3:domainName>
<ns3:oldAllowTransferRecord>
  <ns3:fromIPAddress>101.10.1.0</ns3:fromIPAddress>
  <ns3:toIPAddress>101.10.1.128</ns3:toIPAddress>
</ns3:oldAllowTransferRecord>
<ns3:newAllowTransferRecord>
  <ns3:fromIPAddress>121.10.1.0</ns3:fromIPAddress>
  <ns3:toIPAddress>121.10.1.128</ns3:toIPAddress>
</ns3:newAllowTransferRecord>
<ns3:comments>Multi Zone Update Allow Transfer</ns3:comments>
</ns3:updateMultiZoneAllowTransfer>
</S:Body>
</S:Envelope>

```

#### 13.5.4 Updating a Transfer IP Range to Single IP Address

```

<?xml version='1.0' encoding='UTF-8'?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns2:authInfo xmlns="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:messaging:schema:1">
      <ns2:userToken>
        <ns2:userName>DIRECT_CUSTOMER_USER</ns2:userName>
        <ns2:password>DIRECT_CUSTOMER_PASSWORD</ns2:password>
      </ns2:userToken>
    </ns2:authInfo>
    <ns3:reliableMessageReq xmlns="urn:com:verisign:dnsm:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:messaging:schema:1">
      <ns3:MessageId>MSG_CORRELATION_ID</ns3:MessageId>
    </ns3:reliableMessageReq>
  </S:Header>
  <S:Body>
    <ns3:updateMultiZoneAllowTransfer xmlns="urn:com:verisign:dnsm:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsm:messaging:schema:1"
xmlns:ns3="urn:com:verisign:dnsm:api:schema:1">
      <ns3:domainName>dom-1258578910697.com</ns3:domainName>
      <ns3:domainName>dom-1258578912431.com</ns3:domainName>
      <ns3:domainName>dom-1258578914072.com</ns3:domainName>
      <ns3:domainName>dom-1258578915728.com</ns3:domainName>
      <ns3:domainName>dom-1258578917462.com</ns3:domainName>
      <ns3:domainName>dom-1258578919103.com</ns3:domainName>
    </ns3:updateMultiZoneAllowTransfer>
  </S:Body>
</S:Envelope>

```



```

<ns3:domainName>dom-1258578920775.com</ns3:domainName>
<ns3:domainName>dom-1258578922431.com</ns3:domainName>
<ns3:domainName>dom-1258578924087.com</ns3:domainName>
<ns3:domainName>dom-1258578925759.com</ns3:domainName>
<ns3:oldAllowTransferRecord>
  <ns3:fromIPAddress>101.10.1.0</ns3:fromIPAddress>
  <ns3:toIPAddress>101.10.1.128</ns3:toIPAddress>
</ns3:oldAllowTransferRecord>
<ns3:newAllowTransferRecord>
  <ns3:fromIPAddress>121.10.1.0</ns3:fromIPAddress>
</ns3:newAllowTransferRecord>
<ns3:comments>Multi Zone Update Allow Transfer</ns3:comments>
</ns3:updateMultiZoneAllowTransfer>
</S:Body>
</S:Envelope>

```

### 13.5.5 Response

```

<?xml version='1.0' encoding='UTF-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>uniqueid</ns4:MessageId>
    </ns4:reliableMessageRes>
  </env:Header>
  <env:Body>
    <dnsaWSRes xmlns="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <callSuccess>true</callSuccess>
      <reason code="INFO" description="10 zones were updated." />
    </dnsaWSRes>
  </env:Body>
</env:Envelope>

```

## 13.6 GETTASKLIST

This API enables the user to retrieve the list of all asynchronous bulk tasks submitted with a given date range.

### 13.6.1 Definitions

Field	Definition
beginDate	Start date of the task
endDate	End date of the task

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### 13.6.2 Usage

- The end date should be greater than the begin date.
- The begin date should be no earlier than 90 days from current date.

### 13.6.3 Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId?></urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getTaskList>
      <urn2:beginDate>BEGIN DATE</urn2:beginDate>
      <urn2:endDate>END DATE</urn2:endDate>
    </urn2:getTaskList>
  </soap:Body>
</soap:Envelope>
```

### 13.6.4 Response

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId?></ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>
  <S:Body>
    <ns2:getTaskListRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
      <ns2:callSuccess>true</ns2:callSuccess>
      <ns2:taskInfo>
        <ns2:taskId>956</ns2:taskId>
        <ns2:taskDescription>Bulk Update SOA</ns2:taskDescription>
        <ns2:statusCode>pending</ns2:statusCode>
        <ns2:createTimestamp>2011-01-21T16:15:27.000-05:00</ns2:createTimestamp>
      </ns2:taskInfo>
    </ns2:getTaskListRes>
  </S:Body>
</S:Envelope>
```

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```

        <ns2:updateTimestamp>2011-01-21T16:15:27.000-05:00</ns2:updateTimestamp>
      </ns2:taskInfo>
    </ns2:getTaskListRes>
  </S:Body>
</S:Envelope>

```

## 13.7 GETTASKINFO

This API enables the user to retrieve the details of an asynchronous bulk task given the task id.

### 13.7.1 Definitions

Field	Definition
taskId	Id of the task

### 13.7.2 Request

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:urn="urn:com:verisign:dnsa:messaging:schema:1"
xmlns:urn1="urn:com:verisign:dnsa:auth:schema:1"
xmlns:urn2="urn:com:verisign:dnsa:api:schema:1">
  <soap:Header>
    <urn:reliableMessageReq>
      <urn:MessageId>?</urn:MessageId>
      <urn:DuplicateElimination/>
    </urn:reliableMessageReq>
    <urn1:authInfo>
      <urn1:userToken>
        <urn1:userName>DIRECT_CUSTOMER_USER</urn1:userName>
        <urn1:password>DIRECT_CUSTOMER_PASSWORD</urn1:password>
      </urn1:userToken>
    </urn1:authInfo>
  </soap:Header>
  <soap:Body>
    <urn2:getTaskInfo>
      <urn2:taskId>TASK_ID</urn2:taskId>
    </urn2:getTaskInfo>
  </soap:Body>
</soap:Envelope>

```

### 13.7.3 Response

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope">
  <S:Header>
    <ns4:reliableMessageRes xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns4="urn:com:verisign:dnsa:messaging:schema:1">
      <ns4:MessageId>?</ns4:MessageId>
    </ns4:reliableMessageRes>
  </S:Header>

```

```

<S:Body>
  <ns2:getTaskInfoRes xmlns="urn:com:verisign:dnsa:auth:schema:1"
xmlns:ns2="urn:com:verisign:dnsa:api:schema:1"
xmlns:ns3="urn:com:verisign:dnsa:messaging:schema:1">
    <ns2:callSuccess>true</ns2:callSuccess>
    <ns2:taskInfo>
      <ns2:taskId>956</ns2:taskId>
      <ns2:taskDescription>Bulk Update SOA</ns2:taskDescription>
      <ns2:statusCode>pending</ns2:statusCode>
      <ns2:createTimestamp>2011-01-21T16:15:27.000-05:00</ns2:createTimestamp>
      <ns2:updateTimestamp>2011-01-21T16:15:27.000-05:00</ns2:updateTimestamp>
      <ns2:zoneTaskInfoList>
        <ns2:zoneInfo>
          <ns2:zoneName>testrs1c0001.com</ns2:zoneName>
          <ns2:statusCode>pending</ns2:statusCode>
          <ns2:statusInfo xsi:nil="true"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
          <ns2:updateTimestamp>2011-01-21T16:15:28.000-
05:00</ns2:updateTimestamp>
        </ns2:zoneInfo>
        <ns2:zoneInfo>
          <ns2:zoneName>testrs1c0001-1.com</ns2:zoneName>
          <ns2:statusCode>pending</ns2:statusCode>
          <ns2:statusInfo xsi:nil="true"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
          <ns2:updateTimestamp>2011-01-21T16:15:27.000-
05:00</ns2:updateTimestamp>
        </ns2:zoneInfo>
      </ns2:zoneTaskInfoList>
    </ns2:taskInfo>
  </ns2:getTaskInfoRes>
</S:Body>
</S:Envelope>

```

## 14 ERROR CODES

### 14.1 ERROR\_MISSING\_INVALID\_INPUT

This error code indicates an error caused by an input parameter failing a validation rule. The error details can be found in the description field of the reason element.

### 14.2 ERROR\_OPERATION\_FAILURE

This error code indicates a system error that has caused the operation to fail. The error details can be found in the description field of the reason element.

### 14.3 ERROR\_INTERNAL\_ERROR

This error code is used for any other error encountered by the system. The error details can be found in the description field of the reason element.

### 14.4 VALIDATION RULE ERRORS

Specific error codes and details will be returned when an error is caused by a business rule violation, including authorization and privilege violations.

## 15 REST API

In addition to the Report REST APIs documented in the following section, we also have REST APIs that are documented in RAML. You may view documentation on these APIs at: <https://mdns.verisign.com/mdns-web/rest-doc/index.html>

Note: The end point for the REST APIs is <https://mdns.verisign.com/mdns-web/api>

The current APIs include the following functionality. More functions will be added in the future.

- Get a List of Zones or Create a Primary or a Secondary Zone (/v1/accounts/{accountId}/zones)
- Search for Primary Zones (/v1/accounts/{accountId}/zones/primary\_zones/search)
- Search for Secondary Zones (/v1/accounts/{accountId}/zones/secondary\_zones/search)
- Post a Zone, Get a list of Zones (/v1/accounts/{accountId}/zones)
- Get, Update or Delete a Zone (/v1/accounts/{accountId}/zones/{zoneName})
- Transfer a zone within Reseller or Reseller Affiliate Hierarchy (/v1/accounts/{accountId}/zones/{zoneName}/transfer)
- Get or Update a SOA (/v1/accounts/{accountId}/zones/{zoneName}/soa)
- Get, Create a Resource Record (/v1/accounts/{accountId}/zones/{zoneName}/rr)
- Get, Update, Delete a Resource Record (/v1/accounts/{accountId}/zones/{zoneName}/rr/{resourceRecordId})
- Get, Update or Delete Web Parking for a zone (/v1/accounts/{accountId}/zones/{zoneName}/wp)
- Get a List of Customer Name Servers or Create a Customer Name Server (/v1/accounts/{accountId}/nameservers)
- Get, Update or Delete a Customer Name Server (/v1/accounts/{accountId}/nameservers/{nameServerIp})
- Get, Enable, Update and Disable Standard Traffic Management (and GeoLocation) on a Zone (/v1/accounts/{accountId}/zones/{zoneName}/stm)
- Get, Create a Resource Record Set (/v1/accounts/{accountId}/zones/{zoneName}/stm/rrsets)
- Get, Update, Delete a Resource Record Set (/v1/accounts/{accountId}/zones/{zoneName}/stm/rrsets/{ownerName}/{rrType})

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- Get, Create an End Point Group (/v1/accounts/{accountId}/tm/endpoint\_groups)
- Get, Update, Delete and End Point Group (/v1/accounts/{accountId}/tm/endpoint\_groups/{end\_point\_group\_name})
- Get list of Resource Record Sets using a given End Point Group (/v1/accounts/{accountId}/tm/endpoint\_groups/{end\_point\_group\_name}/rrsets)
- Get DNS Keys and DS Key for DNSSEC signed zones (/v1/accounts/{accountId}/zones/{zoneName}/dnskeys)

## 16 REPORTS – REST APIS

### 16.1 USER DETAILS REPORT

This Restful API enables authorized users in the given account to request a list of all users, and their details, in the account.

#### 16.1.1 End Points

In the table below we provide the end point for the DNS Report.

Report Granularity	End Point
Monthly	https://mdns.verisign.com/mdns-web/search/accountId/<accountId>/userscsv

#### 16.1.2 Request

##### 16.1.2.1 Request Type: GET with Basic Authentication

Each request requires basic authentication. Below is an example, using curl, which shows the authentication format. Username:Password must be base64 encoded.

NOTE: The Rest APIs do not support Single Sign-On or 2 factor authentication (2fa). If the users in your account have SSO or 2fa enabled you will need to create another user (can be a read-only user) that will be used to access the API.

```
curl -u username:password -o dnsusage.csv https://mdns.verisign.com/mdns-web/search/accountId/123456/userscsv
```

##### 16.1.2.2 Path Arguments: <accountId>

Each request requires replacing the <accountId> path argument with your Account ID.

##### 16.1.2.3 Query Parameters

- None

#### 16.1.3 Response

##### 16.1.3.1 Output Parameters

- Last Name

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- First Name
- Logon Name
- User Type
- Phone
- Email
- SSO Client ID
- Two Factor Authentication
- Created Date
- Created By
- Updated Date
- Updated By

#### 16.1.4 Usage

- Username and password must be provided with each request.
- Only active users will be provided in report

#### 16.1.5 Examples – Request and Response

##### 16.1.5.1 Request

###### Example Request

```
https://mdns.verisign.com/mdns-web/search/accountId/123456/usercsv
```

##### 16.1.5.2 Response

```
LAST NAME,FIRST NAME,LOGON NAME,USER TYPE,PHONE,EMAIL,SSO CLIENT ID,TWO FACTOR
AUTHENTICATION,CREATED DATE,CREATED BY,UPDATED DATE,UPDATED BY
Jones,Terry, JONEST,MASTER,53535353,jones@terry.com,,N,04/04/2013
02:16,SMITHP,03/03/2016 19:48, JONEST
Jones,Terry, JONEST,MASTER,3013308809,jones@terry.cc,,N,02/04/2015 19:24,
SMITHP,02/04/2015 19:24, JONEST
```

## 16.2 DETAILED DNS REPORT

This Restful API enables all users in the given account to request a monthly, daily, or hourly view of DNS query stats and to filter the request based on date, domain name, query name, country and/or resource record type. The data retention policy for these reports is:

- hourly data for 2 months
- daily data for 6 months
- monthly data for 2 years

#### 16.2.1 End Points

In the table below we provide the three end points available for the Detailed DNS Report.

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Report Granularity	End Point
Hourly	https://mdns.verisign.com/mdns-web/activityrep/accountId/<accountId>/query/csv/hourly
Daily	https://mdns.verisign.com/mdns-web/activityrep/accountId/<accountId>/query/csv/daily
Monthly	https://mdns.verisign.com/mdns-web/activityrep/accountId/<accountId>/query/csv/monthly

## 16.2.2 Request

### 16.2.2.1 Request Type: GET with Basic Authentication

Each request requires basic authentication. Below is an example, using curl, which shows the authentication format. Username:Password must be base64 encoded.

NOTE: The Rest APIs do not support Single Sign-On or 2 factor authentication (2fa). If the users in your account have SSO or 2fa enabled you will need to create another user (can be a read-only user) that will be used to access the API.

```
curl -u username:password -o monthly.csv https://mdns.verisign.com/mdns-web/activityrep/accountId/1234567/query/csv/monthly?begindate=04-01-2014\&enddate=04-01-2014\&domainnames=all\&querynames=all\&countrycodes=ca:us\&ratypes=all
```

### 16.2.2.2 Path Arguments: <accountId>

Each request requires replacing the <accountId> path argument with your Account ID.

### 16.2.2.3 Query Parameters

Below are the parameters that are available for use in the request,

- **begindate:** Required. Date from which report should be generated in mm-dd-yyyy format
- **enddate:** Required. Date up to which report should be generated in mm-dd-yyyy format
- **domainnames:** domainnames is optional. When requesting all domainnames provide 'all' with this parameter or do not include this parameter or leave it blank. When filtering for a subset of domainnames provide a colon separated list of domainnames.
- **querynames:** querynames is optional. When requesting all querynames provide 'all' with this parameter. When filtering for a subset of querynames provide a colon separated list of query names. If you do not wish to include querynames in the response do not include this parameter or leave it blank.
- **countrycodes:** 2 digit ISO standard countrycodes is optional. When requesting all countrycodes provide 'all' with this parameter. When filtering for a subset of countrycodes provide a colon separated list of countrycodes. If you do not wish to include countrycodes in the response do not include this parameter or leave it blank.
- **rrtypes:** resource record types (rrtypes) is optional. When requesting all rrtypes provide 'all' with this parameter. If you do not wish to include rrtypes in the response do not include this parameter or

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leave it blank. Queries per second (qps) will be provided in the response when all rrtypes are requested. This parameter does not support requesting specific rrtypes.

## 16.2.3 Response

### 16.2.3.1 Output Parameters

Output parameters that are bolded below are always provided in the response. The remaining parameters will be provided based on the input parameters in the request. Other resource record types not listed below may also be included in the report depending on what queries we receive.

- **date**
- **domain name**
- query name
- country
- **query count**
- QPS: Average Queries Per Second.
- A count
- AAAA count
- Any count
- AXFR count
- CERT count
- CNAME count
- DS count
- DLV count
- DNSKEYcount
- HINFO count
- IPSECKEY count
- IXFR count
- LOC count
- MF count
- MX count
- NAPTR count
- NS count
- NSEC count
- NSEC3 count
- NSEC3PARAM count
- OTHER count
- PTR count
- RP count
- RRSIG count
- SOA count
- SPF count
- SRV count
- SSHFP count
- TA count
- TLSA count
- TSIG count
- TKEY count

- TXT count

#### 16.2.4 Usage

- Username and password must be provided with each request.
- The end date must be greater than the begin date.
- The begin date must be no earlier than 2 years from current date.
- The query parameters querynames, countrycode and rrtype are optional and must include 'all' for all values to be included in the response.
- Multiples values for a query parameter are separated by colon (:).

#### 16.2.5 Examples – Request and Response for each endpoint.

##### 16.2.5.1 Requests

#	Querying For...	Example Request
1	Monthly view of All data for the time period provided	<code>https://mdns.verisign.com/mdns-web/activityrep/accountId/1234567/query/csv/monthly?begindate=06-01-2014\&amp;enddate=06-30-2014\&amp;domainnames=all\&amp;querynames=all\&amp;countrycodes=all\&amp;rrtypes=all</code>
2	Monthly view of specific domain, query name and countries for the time period provided	<code>https://mdns.verisign.com/mdns-web/activityrep/accountId/1234567/query/csv/monthly?begindate=06-01-2014\&amp;enddate=06-30-2014\&amp;domainnames=example.net\&amp;querynames=www.example.net\&amp;countrycodes=us:ca</code>
3	Daily view of All data for the time period provided	<code>https://mdns.verisign.com/mdns-web/activityrep/accountId/1234567/query/csv/daily?begindate=03-30-2014\&amp;enddate=03-31-2014\&amp;domainnames=all\&amp;querynames=all\&amp;countrycodes=all\&amp;rrtypes=all</code>
4	Daily view of just query count per domain	<code>https://mdns.verisign.com/mdns-web/activityrep/accountId/1234567/query/csv/daily?begindate=03-30-2014\&amp;enddate=03-30-2014</code>
5	Hourly view of specific domains and countries for the time period provided	<code>https://mdns.verisign.com/mdns-web/activityrep/accountId/1234567/query/csv/hourly?begindate=03-01-2014\&amp;enddate=03-31-2014\&amp;domainnames=example.net\&amp;countrycodes=us:ca</code>

##### 16.2.5.2 Response for #1 - Monthly view of all data for the time period provided (Note: example only showing a portion of the response)

```
date, domain name, query name, country, query count, QPS, A count, AAAA count, ANY count, AXFR count, CERT count, CNAME count, DS count, DLV count, DNSKEY count, HINFO count, IPSECKEY count, IXFR count, LOC count, MF count, MX count, NAPTR count, NS count, NSEC count, NSEC3 count, NSEC3PARAM count, OTHER count, PTR count, RP count, RRSIG count, SOA count, SPF count, SRV count, SSHFP count, TA count, TLSA count, TSIG count, TKEY count, TXT count
```

```
06-2014,"example.net","www.example.net","United  
States",1,<0.01,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,  
06-  
2014,"example.net","www.example.net","Canada",5,<0.01,3,2,0,0,0,0,0,0,0,0,0,0,0,0,0,  
0,0,0,0,0,0,0,0,0,0,0,0,0,0
```

16.2.5.3 Response for #2 - Monthly view of specific domain, query name and countries for the time period provided (Note: example only showing a portion of the response)

```
date,domain name,query name,country,query count
06-2014,"example.net","www.example.net","United States",989
06-2014,"example.net","www.example.net","Canada",5032
```

16.2.5.4 Response for #3 - Daily report view of all data for the time period provided (Note: example only showing a portion of the response)

```
date,domain name,query name,country,query count,QPS,A count,AAAA count,ANY count,AXFR  
count,CERT count,CNAME count,DS count,DLV count,DNSKEY count,HINFO count,IPSECKEY  
count,IXFR count,LOC count,MF count,MX count,NAPTR count,NS count,NSEC count,NSEC3  
count,NSEC3PARAM count,OTHER count,PTR count,RP count,RRSIG count,SOA count,SPF  
count,SRV count,SSHFP count,TA count,TLSA count,TSIG count,TKEY count,TXT count
```

**03-30-2014,**

```
"example.net","example.net","Canada",3,<0.01,0,0,3,0,0,0,0,0,0,0,0,0,0,0,0,0,  
0,0,0,0,0,0,0,0,0,0,0
```

**03-30-2014,**

```
"example.net","example.net","Germany",3,<0.01,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,  
0,0,0,0,0,0,0,0,0,0,0,0,0,0
```

**03-31-2014,**

```
"example.net","example.net","Canada",10,<0.01,0,0,3,0,0,0,0,0,0,0,0,0,0,0,0,0,  
0,0,0,0,0,0,0,0,0,0,0,0,0,0
```

#### 16.2.5.5 Response for #4 - Daily view of just query count per domain (Note: example only showing a portion of the response)

```
date, domain name, query count
03-30-2014, "example.net", 989
03-30-2014, "example2.net", 5032
```

16.2.5.6 Response for #5 - Hourly view of specific domains and countries for the time period provided  
(Note: example only showing a portion of the response)

```
date, domain name,country,query count
03-30-2014 7 PM,"example.net","Canada",2
03-30-2014 7 PM,"example.net","United States",98
03-30-2014 8 PM,"example.net","Canada",2
"example.net",03-30-2014 8 PM,"United States",157
```

## 16.3 DNS USAGE REPORT

This Restful API enables authorized users in the given account to request the monthly DNS usage stats for the account.

### 16.3.1 End Points

In the table below we provide the end point for the DNS Report.

Report Granularity	End Point
Monthly	<a href="https://mdns.verisign.com/mdns-web/activityrep/accountId/&lt;accountId&gt;/dnsusagesummary/csv/monthly">https://mdns.verisign.com/mdns-web/activityrep/accountId/&lt;accountId&gt;/dnsusagesummary/csv/monthly</a>

### 16.3.2 Request

#### 16.3.2.1 Request Type: GET with Basic Authentication

Each request requires basic authentication. Below is an example, using curl, which shows the authentication format. Username:Password must be base64 encoded.

NOTE: The Rest APIs do not support Single Sign-On or 2 factor authentication (2fa). If the users in your account have SSO or 2fa enabled you will need to create another user (can be a read-only user) that will be used to access the API.

```
curl -u username:password -o dnsusage.csv https://mdns.verisign.com/mdns-web/activityrep/accountId/1234567/dnsusagesummary/csv/monthly/02-2014
```

#### 16.3.2.2 Path Arguments: <accountId>

- Each request requires replacing the <accountId> path argument with your Account ID.
- monthly: Required. Month from which report should be generated in mm-yyyy format.

#### 16.3.2.3 Query Parameters

- None

### 16.3.3 Response

#### 16.3.3.1 Output Parameters

- Domain Name
- A count
- AAAA count
- Any count
- AXFR count
- CERT count
- CNAME count
- DS count
- DLV count
- DNSKEYcount
- HINFO count
- IPSECKEY count

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- IXFR count
- LOC count
- MF count
- MX count
- NAPTR count
- NS count
- NSEC count
- NSEC3 count
- NSEC3PARAM count
- OTHER count
- PTR count
- RP count
- RRSIG count
- SOA count
- SPF count
- SRV count
- SSHFP count
- TA count
- TLSA count
- TSIG count
- TKEY count
- TXT count
- Web Forward Requests Forwarded
- Total count

#### 16.3.4 Usage

- Username and password must be provided with each request.
- The monthly date must be no earlier than 2 years from current month.

#### 16.3.5 Examples – Request and Response

##### 16.3.5.1 Request

Querying For...	Example Request
Month of February 2014	<code>https://mdns.verisign.com/mdns-web/actvityrep/accountId/1234567/dnsusagesummary/csv/monthly/02-2014</code>

##### 16.3.5.2 Response

```
Domain Name,A count,AAAA count,Any count,AXFR count,CERT count,CNAME count,DS count,DLV
count,DNSKEY count,HINFO count,IPSECKEY count,IXFR count,LOC count,MF count,MX
count,NAPTR count,NS count,NSEC count,NSEC3 count,NSEC3PARAM count,OTHER count,PTR
count,RP count,RRSIG count,SOA count,SPF count,SRV count,SSHFP count,TA count,TLSA
count,TSIG count,TKEY count,TXT count,Web Forward Requests Forwarded>Total count
"example.net",636,187,148,0,0,0,0,0,0,0,0,0,0,0,0,71,0,3,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,
0,1046
```

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## 16.4 DNS DAILY QUERY REPORT

This Restful API enables authorized users in the given account to request daily DNS usage stats. This is a daily report; each day reflects all queries for a given day and includes ALL domains, even those without queries. Other DNS Query reports only include domains that have queries.

### 16.4.1 End Points

In the table below we provide the end point for the report.

Report Granularity	End Point
Daily report	https://mdns.verisign.com/mdns-web/activityrep/accountId/<accountId>/dnsusagesummary/daily/{mm-dd-yyyy}?doCount={boolean}&doZip={Boolean}&fileName={name}'

### 16.4.2 Request

#### 16.4.2.1 Request Type: GET with Basic Authentication

Each request requires basic authentication. Below is an example, using curl, which shows the authentication format. Username:Password must be base64 encoded.

NOTE: The Rest APIs do not support Single Sign-On or 2 factor authentication (2fa). If the users in your account have SSO or 2fa enabled you will need to create another user (can be a read-only user) that will be used to access the API.

```
curl -u username:password -o dnsusage.csv https://mdns-web/activityrep/accountId/99999/dnsusagesummary/daily/10-15-15?doCount=True&doZip=True&fileName=DailyStats_10-15-15
```

#### 16.4.2.2 Path Arguments: <accountID>

- Each request requires replacing the <accountId> path argument with your Account ID.
- daily: Required. Day from which the report should be generated in mm-dd-yyyy format.

### 16.4.2.3 Query Parameters

- **doCount:** Optional. Boolean. If True, provide footer with rowCount that can be compared to number of rows received to detect issues. If not provided defaults to False.
- **doZip:** Optional. Boolean. If True, uses zip compression, with built in CRCs (Cyclic Redundancy Codes) to detect issues. If not provided defaults to False.
- **fileName:** Optional. String. The default format for the file name is 'MDNSDnsDaily\_mm-dd-yyyy.zip' where date is the date the report is being run for. If provided, the fileName query parameter will override the default with the name provided

### 16.4.3 Response

#### 16.4.3.1 Output Parameters (pipe delimited)

- Date
- Reseller client customer id
- Client customer id
- Domain name
- Count for each query type received during the month
  - total\_count
  - soa\_CNT
  - a\_CNT
  - aaaa\_CNT
  - cname\_CNT
  - mx\_CNT
  - ns\_CNT
  - txt\_CNT
  - srv\_CNT
  - ptr\_CNT
  - any\_CNT
  - other\_CNT

#### 16.4.4 Usage

- Username and password must be provided with each request.
- The date must be no earlier than 2 years from current date.

### 16.4.5 Examples – Request and Response

#### 16.4.5.1 Request

Querying For...	Example Request
October 15th 2015.	<code>https://mdns-web/activityrep/accountId/99999/dnsusagesummary/daily/10-15-15?doCount=True&amp;doZip=True&amp;fileName=DailyStats_10-15-15</code>

#### 16.4.5.2 Response

```
2016-02-01|01111111|04444444|www.example1.com|500|0|0|500|0|0|0|0|0|0|0|0  
2016-02-01|01111111|04444444|www.example2.com|2000|2000|0|0|0|0|0|0|0|0|0|0  
2016-02-01|01111111|04444444|www.example3.com|0|0|0|0|0|0|0|0|0|0|0|0
```

## 16.5 DNS DAILY QUERY BY COUNTRY CODE REPORT

This Restful API enables authorized users in the given account to request monthly DNS usage stats per country code ([2 character country codes](#)). This is a daily report; each day reflects all queries for a given day.

### 16.5.1 End Points

In the table below we provide the end point for the report.

Report Granularity	End Point
Daily report	<a href="https://mdns.verisign.com/mdns-web/activityrep/accountId/99999/dnsusagesummary/bycountry/daily/10-15-2015">https://mdns.verisign.com/mdns-web/activityrep/accountId/99999/dnsusagesummary/bycountry/daily/10-15-2015</a>

### 16.5.2 Request

#### 16.5.2.1 Request Type: GET with Basic Authentication

Each request requires basic authentication. Below is an example, using curl, which shows the authentication format. Username:Password must be base64 encoded.

NOTE: The Rest APIs do not support Single Sign-On or 2 factor authentication (2fa). If the users in your account have SSO or 2fa enabled you will need to create another user (can be a read-only user) that will be used to access the API.

```
curl -u username:password -o dnsusagebycc.csv https://mdns-web/activityrep/accountId/99999/dnsusagesummary/bycountry/daily/10-15-2015
```

#### 16.5.2.2 Path Arguments: <accountID>

- Each request requires replacing the <accountId> path argument with your Account ID.
- daily: Required. Day from which the report should be generated in mm-dd-yyyy format

#### 16.5.2.3 Query Parameters

- None

### 16.5.3 Response

#### 16.5.3.1 Output Parameters (pipe delimited)

- Date
- Reseller client customer id
- Client customer id
- Domain name
- Count for each country by country code

### 16.5.4 Usage

- Username and password must be provided with each request.
- The date must be no earlier than 2 years from current date.

### 16.5.5 Examples – Request and Response

#### 16.5.5.1 Request

Querying For...	Example Request
October 15th 2015.	<a href="https://mdns.verisign.com/mdns-web/activityrep/accountId/99999/dnsusagesummary/bycountry/daily/10-15-2015">https://mdns.verisign.com/mdns-web/activityrep/accountId/99999/dnsusagesummary/bycountry/daily/10-15-2015</a>

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#### 16.5.5.2 Response

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