



Cvent Web Services API

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Cvent, Inc.
8180 Greensboro Dr, Suite 450
McLean, VA 22102
866.318.4357
www.cvent.com
customercare@cvent.com

1.0 Framework Overview	6
1.1 Overview	6
1.2 Compatible Development Platforms	6
1.3 Supported Operations	6
1.4 Available Objects	6
1.5 Supported Editions	7
1.6 Location	7
1.7 Notes	7
1.7.1 Transaction Limitations	7
1.7.1.1 API Limits	7
1.7.1.2 Call Specific Limits	7
2.0 Call Definitions	8
2.1 Overview	8
2.2 Login	9
2.3 Search	10
2.4 Retrieve	11
2.5 CreateContact	12
2.6 UpdateContact	14
2.7 UpsertContact	16
2.8 DeleteContact	18
2.9 CreateContactGroup	19
2.10 ManageContactGroupMembers	21
2.11 TransferInvitee	23
2.12 UpdateInviteeInternalInfo	24
2.13 CheckIn	26
2.14 SimpleEventRegistration	27
2.15 CreateSurveyAnswer	29
2.16 CreateRFP	31
2.17 SendEmail	32
2.18 CopyEvent	35
2.19 CreateNoRegEvent	36
2.20 CreateTransaction	37
2.21 GetUpdated	38
2.22 CreateUser	39
2.23 UpdateUser	41
2.24 DeleteUser	43
2.25 CreateRateHistory	44
2.26 DeleteRateHistory	45
2.27 ManageUserGroup	46
2.28 DescribeGlobal	48
2.29 DescribeCvObject	49
3.0 Object Definitions	50
3.1 Overview	50
3.1.1 API Core Objects	50
3.1.2 Cvent Objects	50
3.2 CvSearchObject	52
3.3 CvObject	52
3.4 Contact	53
3.5 ContactGroup	55
3.6 Event	56

3.7 EventParameters	58
3.8 EventDetails	59
3.9 Invitee	61
3.10 Registration	62
3.11 EventEmailHistory	65
3.12 Transaction	66
3.13 Travel	67
3.14 Budget	70
3.15 BudgetItem	71
3.16 EventQuestion	73
3.17 Survey	74
3.18 Respondent	75
3.19 Response	76
3.20 SurveyEmailHistory	77
3.21 RFP	78
3.22 Proposal	83
3.23 SupplierRFP	87
3.24 SupplierProposal	92
3.25 Supplier	95
3.26 RFPPParameters	97
3.27 RateHistory	98
3.28 MeetingRequest	99
3.29 User	103
3.30 MeetingRequestUser	105
3.31 UserGroup	107
3.32 UserRole	108
4.0 Appendix A – Error Codes	109
5.0 Appendix B – Sample Code	112

What's New

The following items have been added or updated in this document.

July 2011

- Added new calls – CreateSurveyAnswer, UpsertContact, CopyEvent, CreateRFP
- Added new objects – EventDetails, MeetingRequest, RFP Parameters
- Updated Event object – Added ArchiveDate, ExternalAuthentication, MeetingRequestId fields
- Updated Contact object – Added SMTPCode, JoinDate, ExpirationDate, LastRenewalDate, FacebookURL, TwitterURL, and LinkedInURL fields
- Updated Budget object – Removed Currency field
- Updated BudgetItem object – Added Currency, CurrencyCode, ConversionRate, and VendorType fields, added Currency and CurrencyCode in BudgetPaymentDetail subarray
- Updated Respondent object – Added ReferenceId
- Updated Response object – Added ReferenceId
- Updated RFP object – Added MultiAwarded
- Updated Proposal object – Added NotesRecommendation field, added FAndBMinimumNote to EventRequirementsInfo subarray
- Updated SupplierProposal object – Added FAndBMinimumNote to EventRequirementsInfo subarray
- Updated Invitee object – Made FirstName, LastName, Company, and SourceID searchable
- Updated Registration object – Made FirstName, LastName, EmailAddress, Company, and SourceID searchable

February 2011

- Added New Objects – EventQuestion, SurveyEmailHistory, and Supplier
- Updated Survey object – Added CustomFieldDetail subarray
- Updated BudgetItem object – Updated Amount field
- Updated Contact object – Updated FieldValue field
- Updated Event object – Added currency, removed SurveyDetail array, and updated field value
- Updated EventParameter object – Added CustomFieldDetail subarray
- Updated DescribeCvObject – Added CustomField output
- Updated Transaction Object – Added ability to insert offline payments
- Updated CheckIn Call – Added AttendeeType input and Product ID input
- Updated Invitee object – Changed SurveyDetail subarray to RegretSurveyDetail subarray, added OriginalResponseDate field, added LastModifiedDate field, and EmailAddress is now searchable
- Updated Registration object – Added OriginalResponseDate field, updated GuestConfirmationNumber note, and updated AnswerText note
- Updated RFP object – Added Archived field, added VenueID field, added Commissionable, added Preferred field, and added CommissionRate
- Updated SupplierRFP object – Added Archive field, added CommissionRate field and VenueID field
- Updated SupplierProposal object – Added Commissionable and CommissionRate

July 2010

- Added new objects – SupplierRFP, SupplierProposal, and RateHistory
- Added new calls – CreateRateHistory, DeleteRateHistory, and UpdateInviteeInternalInfo
- Updated Event object – added DocumentDetail subarray, added RSVPbyDate, and ClosedBy fields
- Updated RFP object – added UserVisibilityDetail and UserGroupVisibilityDetail sub-arrays, added QuickRFP and FlexibleDates fields
- Updated Contact object – added LastOptOutBy field
- Updated Invitee object – added ConfirmationNumber and ReferenceID fields
- Updated Response object – added QuestionCode field
- Updated Proposal object – added VenueCode field
- Updated Budget object – added Currency field and default tax type fields
- Updated BudgetItem object – added ItemDate field and tax type fields

January 2010

- Updated SendEmail call – added SendEmailRequest.EmailName; added ApprovalDenied, ApprovaPending, CustomEmail to list of valid email templates; added SurveyCustomEmail to list of valid survey templates
- Updated CreateNoRegEvent call – added notes about event-parameter fields
- Updated CvSearchObject definition – added indicator and note for ValueArray
- Updated Contact object – added OptedIn field
- Updated Event object – added Capacity, Category fields; added Status and Capacity to ProductDetail array
- Updated Travel object – added FullName, DateOfBirth, Gender fields
- Updated RFP object – added Date, FoodAndBeverageSpend, EventHistoryNote to EventHistoryDetail array
- Updated Proposal object – added SleepRoomNote to SleepRoomAvailabilityDetail array; added RoomName, CeilingHeight to MeetingRoomAvailabilityDetail array
- Other minor updates

August 2009

- Added new calls – CreateUser, UpdateUser, DeleteUser, ManageUserGroup, CreateNoRegEvent
- Added new objects – RFP, Proposal, User, MeetingRequestUser, UserGroup, UserRole, EventParameters
- Updated BudgetItem object – added RFPId
- Updated Travel object – added SurveyDetail to HotelRequest, CarRequest, AirRequest sub-arrays; added CurrencyCode, GDSRecordLocator, and GDSNote fields to AirActual sub-array
- Other minor updates

April 2009

- Updated API and call specific limits
- Updated Search call – added note for maximum number of search filters
- Updated Contact object – added FieldType field
- Updated Event object – updated EventStatus field, added PlanningStatus and FieldType fields, added FieldType field in CustomFieldDetail array, updated depreciation note

- Updated Invitee object – added SurveyDetail array, added note for LastModifiedDate used in GetUpdated call
- Updated Registration object – updated SurveyDetail to use new question and answer fields, added OrderDetail and OrderDetailId in OrderDetail array
- Added Budget and BudgetItem objects
- Updated Response object – updated SurveyDetail to use new question and answer fields, including fields for export values and scoring
- Other minor updates

October 2008

- Updated SimpleEventRegistration call – updated note about admission items
- Updated Event object – added last modified date field, added ProductId field in ProductDetail, added CustomFieldDetail array in Event and ProductDetail, and added note about ClassificationDetail array
- Updated Invitee object – added InternalInfoDetail array
- Updated Registration object – added invitee ID field, added question ID and code fields in SurveyDetail array in Registration and GuestDetail, and added order number and product ID fields in OrderDetail array
- Added EventEmailHistory object
- Updated Transaction object – added product ID and order number fields in DistributionDetail array
- Other minor updates

June 2008

- Updated Registration object – added ConfirmationNumber field in GuestDetail

February 2008

- Added SendEmail call
- Updated Registration object – added discount fields
- Updated Transaction object – added modified by and last modified date fields
- Added additional error codes (Appendix A)
- Other minor updates

November 2007

- Added CreateContactGroup call
- Added ManageContactGroupMembers call
- Updated Contact object – added CCEmailAddress field
- Added ContactGroup object
- Updated Registration object – added Participant field in OrderDetail
- Updated Respondent object – added RespondentScore field
- Updated Response object – added QuestionScore field in SurveyDetail
- Added additional error codes (Appendix A)
- Added sample code (Appendix B)
- Other minor updates

1.0 Framework Overview

1.1 Overview

Cvent's Web services Application Programming Interface (API) is a backend interface that allows clients to retrieve their Cvent data over the Internet. The client uses calls and objects defined within the API to pull their Cvent data into their own system and update data within the Cvent system. The API allows for these operations, but the client's interface must be programmed to perform these operations.

This document describes how to perform the various operations and provides the details for each of these operations.

1.2 Compatible Development Platforms

The Cvent Web services API is implemented to comply with SOAP 1.1 (Simple Object Access Protocol), WSDL 1.1 (Web Service Description Language), and WS-I Basic Profile v1.1 specifications. The Cvent Web services API works with modern SOAP development environment.

For more information about these platforms, see the following Web sites:

- SOAP 1.1 – <http://www.w3.org/TR/2000/NOTE-SOAP-20000508>
- WSDL 1.1 – <http://www.w3.org/TR/wsdl>
- WS-I Basic Profile v1.1 – <http://www.ws-i.org/Profiles/BasicProfile-1.1.html>

1.3 Supported Operations

Using a Web service-enabled development environment, clients can construct Web service client applications that use standard Web service protocols to perform the following operations:

- Log in to the Cvent server
- Query/search your account data via Cvent Objects
- Create, update, and delete contact data via the Contact Object
- Transfer, create, check in, register, and email invitees
- Transfer, create, and email respondents

For each operation, the client applications submit a synchronous request to the Cvent Web service, wait for a response, and process the results. These operations, or calls, are defined in section [2.0 Call Definitions](#).

1.4 Available Objects

The Cvent Web services API interacts with client data via objects, which are programmatic representations of your account data. These objects are defined in section [3.0 Object Definitions](#).

- API Core Objects – CvSearch and CvObject
- Contact Objects – Contact and ContactGroup
- Event Objects – Event, Invitee, Registration, EventEmailHistory, Transaction, Travel, Budget, BudgetItem, and EventQuestion
- Survey Objects – Survey, Respondent, Response, and SurveyEmailHistory
- Suppliers Objects – RFP, Proposal, and Supplier,
- RFPs - SupplierRFP, and SupplierProposal
- Administration – MeetingRequestUser, UserGroup, and UserRole

For example, an Event object represents events. An Event object has fields that represent the event title, event start date, location address, and so on.

1.5 Supported Editions

Only clients using the Event Management or Web Surveys products will be able to purchase and use the Cvent Web service API.

1.6 Location

The Cvent Web services API can be accessed at <https://api.cvent.com/soap/V200611.ASMX>

The Cvent API WSDL file can be downloaded at <https://api.cvent.com/soap/V200611.ASMX?WSDL>

1.7 Notes

Please take into account the following notes when programming to the Cvent API service:

- The API is a stateless Web services application. Therefore, it will not maintain the state, or status between calls. The calling application shall maintain its own state if it is needed.
- The API can only be accessed via HTTPS.
HTTPS uses Secure Sockets Layer (SSL) encryption. SSL uses certificates to verify the authenticity and ownership of a Web site. In this case, HTTPS is used to verify that the client is indeed interacting with cvent.com.
- A valid user session will automatically expire one hour following ticket creation, if additional time is required by the client application a new ticket will need to be generated by making a second login call.
Tickets are used for identification and authentication of the client.

1.7.1 Transaction Limitations

1.7.1.1 API Limits

To maintain optimum performance and ensure that the API is available to all of our customers, Cvent balances transaction loads by limiting the number of API requests (or calls) that any one client may execute concurrently or within any 24-hour period Eastern Time (ET). At this time, a maximum of 5,000 calls per organization may be made within a 24-hour period (midnight to midnight).

Use the [DescribeGlobal](#) call to view API account data as well as verify your current API call count and limit.

1.7.1.2 Call Specific Limits

For the same reasons, Cvent also limits the number of objects or IDs that can be processed within a single call.

- Search – 25,000 IDs
- Retrieve – 200 Objects
- CreateContact, UpdateContact, DeleteContact, CreateContactGroup, TransferInvitee, and SendEmail – 200 Objects
- GetUpdated – 10,000 IDs

2.0 Call Definitions

2.1 Overview

The following API calls are available:

Call Type	Call Name	Description
Login/Client Session	Login	Logs in to the Cvent server and starts a client session. The login session automatically expires after one hour.
Search & Retrieve	Search	Searches for objects based on keywords and object properties.
	Retrieve	Retrieves one or more objects based on the specified IDs.
Modify Data	CreateContact	Adds one or more new contacts.
	UpdateContact	Updates one or more existing contacts.
	UpsertContact	Inserts or updates one or more contacts.
	DeleteContact	Deletes one or more contacts.
	CreateContactGroup	Adds one or more new contact groups.
	ManageContactGroupMembers	Updates one or more existing contacts.
	TransferInvitee	This call in conjunction with the contact level API calls can be used to replace the existing HTTP POST process. This process will either find an existing Invitee record or create a new Invitee record if the specified contact is not already associated with the activity (Event or Survey) in question.
	UpdateInviteeInternalInfo	Updates internal information answers for one or more invitee.
	CheckIn	Marks one or more invitees as participants for an event.
	SimpleEventRegistration	Updates a simple event registration status for one or more invitees.
	CreateSurveyAnswer	Inserts one or more answers on behalf of your survey respondents.
	CreateRFP	Creates a new RFP.
	CopyEvent	Creates a new event by copying one that already exists within your Cvent account.
	CreateNoRegEvent	Creates an event with no online registration.
	CreateTransaction	Inserts offline payments for one or more registrants within an event.
	CreateUser	Adds one or more new users.
	UpdateUser	Updates one or more existing users.
	DeleteUser	Deletes one or more users.
	CreateRateHistory	Creates one or more rate history records.
	DeleteRateHistory	Deletes one or more rate history records.
	ManageUserGroup	Updates one or more existing users.
Email	SendEmail	Schedules emails to be sent to one or more invitees or respondents.
Data Replication	GetUpdated	Retrieves the IDs of individual objects that have been updated or created since the specified time for the specified object.
Object Metadata	DescribeGlobal	Retrieves a list of available objects for your organization's data and important API limitations.
	DescribeCvObject	Retrieves metadata (field list and object properties) for the specified object types.

2.2 Login

Usage

Use the Login call to log in to the Cvent server and start a client session. A client application must log in and obtain a CventSessionHeader and server URL before making any other API calls.

Basic Steps

1. When a client application invokes the Login call, it passes the Cvent account number, username, and password.
2. Upon calling, the Web service authenticates the login, and verifies if the request is coming from any of predefined IP addresses.
Call Cvent Client Services at 866-318-4357 to set up your list of allowed IP addresses.
3. After successful authentication, the Login call returns the CventSessionHeader for the session and the URL that should be used to make all subsequent API calls for that session.

Note: Sessions automatically expire after one hour from when the session was created.

4. After logging in, a client application needs to:
 - Set the CventSessionHeader in the SOAP header so that the Cvent Web service can validate subsequent requests for this session.
 - Specify the server URL as the target server for subsequent service requests.

Note: Development tools differ in the way you specify session headers and server URLs. For more information, see the documentation for your particular development tool.

General Syntax

```
LoginResult = cventapi.Login(string AccountNumber, string UserName, string Password)
```

Input

Name	Type	Description
AccountNumber	String	The Cvent account number associated with the username the client application is using to access the Cvent system.
UserName	String	The Cvent username the client application is using to access the Cvent system.
Password	String	The Cvent password associated with the given username and account number.

Output

Name	Type	Description
LoginSuccess	Boolean	Indicates whether the login was a success or not. If the value is false, the client application will need to create a new session in order to make subsequent calls.
ServerURL	String	URL of the Cvent Web service that will process subsequent API calls. The client application needs to define the target server.
CventSessionHeader	String	Unique ID associated with the current session. The client application needs to set this value in the SOAP header.

2.3 Search

Usage

Use Search to search for specified objects.

General Syntax

```
SearchResultArray = cventapi.Search(CvObjectType ObjectType, CvSearchObject CvSearchObject)
```

Input

Name	Type	Description
ObjectType	CvObjectType	Object from which to retrieve data.
CvSearchObject	CvSearchObject	A Cvent search object that defines the parameters of the given search. The parameters supplied must match the valid parameters for the supplied ObjectType. See section 3.2 for more details on this object.

Output

Name	Type	Description
Id	ID Array	Array of one or more object IDs that meet the search parameters supplied.

Notes

Please take into account the following notes when using the Search call:

- [Maximum Number of Search Filters Passed](#) – You can pass to 256 search filters in a single search call. If a search request exceeds 256 search filters, then the entire operation fails.
- [Searching on Custom Fields](#) – Event and Contact custom fields are searchable using this method. To search on a custom field, the field parameter in the CvSearchObject must match the following format and include the custom field ID:
 - Event Custom Field: "CustomEventField:<FieldId>"
 - Contact Custom Field: "CustomContactField:<FieldId>"

2.4 Retrieve

Usage

Use Retrieve to retrieve the detailed data associated with a specific object.

Basic Steps

1. Determine the ID of each object that you want to retrieve.
For example, you might call GetUpdated to get a list of transactions that have taken place within a specific date range.
2. Construct an ID array and populate it with the IDs of the records you wish to retrieve.
3. Call Retrieve, passing in the ID array and the ObjectType string.
4. Process the results in the CvObject array result set.

Note: Retrieve Registration only returns “accepted” or “cancelled” invitees and guests. Retrieve Response only returns “partial” and “completed” respondents.

General Syntax

```
RetrieveResultArray = cventapi.Retrieve(CvObjectType ObjectType, IdArray Ids)
```

Input

Name	Type	Description
ObjectType	CvObjectType	Object from which to retrieve data.
Ids	ID Array	Array of one or more object IDs to be retrieved.

Output

Name	Type	Description
CvObject	CvObject Array	Array of one or more CvObjects representing individual objects of the specified object. The number of CvObjects returned in the array matches the number of object IDs passed into the retrieve call. If you do not have access to an object or if a passed ID is invalid, the array returns null for that object.

2.5 CreateContact

Usage

Use CreateContact to add one or more contacts to your Cvent account data. The CreateContact call is analogous to the INSERT statement in SQL.

Basic Steps

1. Create an instance of one or more individual contact objects.
For each contact object, you populate its fields with the data that you want to add.
2. Construct a Contact array and populate that array with the contacts that you want to create.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call CreateContact, passing in the Contact array.
5. Process the results in the CreateContactResultArray object to verify whether the contacts have been successfully created.

General Syntax

```
CreateContactResultArray = cventapi.CreateContact(ContactArray)
```

Input

Name	Type	Description
Contacts	Contact Array	Array of one or more contacts (up to 200) to create, and optionally MessageIds which will be returned as ReferenceIds. The Cvent Web service creates these contacts in array index order.

Output

Name	Type	Description
Id	ID	ID of the contact that you attempted to create. If this field contains a value, then the contact was created successfully. If this field is empty, then the contact was not created and the Cvent Web service returned error information instead.
ReferenceId	ID	The MessageId value in the input CvObject
SourceId	String	Source ID of the contact. If this field contains a value a source ID was sent in along with the contact's other values. If the field is empty, then no source ID was supplied in the original call.
Success	Boolean	Indicates whether the create call succeeded (True) or not (False) for this object.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the CreateContact call:

- **Permissions** – Your client application must be logged in with sufficient access rights to create contacts within the account.
- **Automatically Maintained Fields** – The Cvent Web service generates unique values for ID fields automatically. For create, for example you cannot explicitly specify an ID value for a contact. The CreateContactResult array contains the ID of each contact that was successfully created.

- **Default Values** – Certain fields have a default value. If you do not specify a value for such fields, the Cvent Web service populates these fields with the default value. For required fields that do not have a preconfigured default value, you must supply a value.
- **Required Fields** – For required fields that do not have a pre-configured default value, you must supply a value.
- **Valid Data Values** – You must supply values that are valid for the field's data type, such as integers (not alphabetic characters) for integer fields. In your client application, follow the data formatting rules specified for your programming language and development tool. Your development tool will handle the appropriate mapping of data types in SOAP messages.
- **String Values** – When storing values in string fields, the Cvent Web service trims any leading and trailing whitespace. For example, if the value of a name field is entered as " XYZ Company ", then the value is stored in the database as "XYZ Company".
- **Maximum Number of Contacts Created** – You can add up to 200 individual contacts in a single create call. If a create request exceeds 200 contacts, then the entire operation fails.

Validation Rules

The following validation rules should be applied to the CreateContact call:

Format and Pattern	<ul style="list-style-type: none"> • The ID field should be a valid GUID data type. • Email addresses should be in a valid email address format.
Uniqueness	<p>The application will generate a DupMatchKey from your match key fields and a new contact stub for each contact record. Your match key fields are either email address only or email address, last name, and company.</p> <p>The generated DupMatchKey will need to be unique within the input array and your account's contact records. If a contact's generated DupMatchKey is not unique, the contact creation result should be marked as failed and return the "Duplicated Contact Object – Key field(s) are not unique" error.</p> <ul style="list-style-type: none"> • If the contact does exist in your account, all instances of the contact in the input array will return error messages. • If the contact does not exist in your account, the first instance of the contact in the input array will succeed. All subsequent instances will return an error message.
Referential Integrity	<p>The following relationships need to be valid to ensure database referential integrity:</p> <ul style="list-style-type: none"> • ContactTypeCode • CountryCode • StateCode
Length	The application will truncate data which exceeds the maximum length of a field.
Read-Only	The application will ignore the value in the read-only fields.

2.6 UpdateContact

Usage

Use UpdateContact to update one or more existing contacts to your Cvent account data. The update call is analogous to the UPDATE statement in SQL.

Basic Steps

1. Determine the ID of each contact that you want to update.
For example, you might call Search to retrieve a set of contacts IDs that you would want to update. If you store the Cvent IDs for your contact records within your database, you can use these IDs to update the desired contacts.
2. For each object, populate its fields with the data that you want to update.
Note: To preserve an existing field value, pass the null value for that field.
3. Construct a Contact array and populate that array with the contacts that you want to update.
4. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
5. Call UpdateContact, passing in the Contact array.
6. Process the results in the UpdateContactResultArray object to verify whether the Contacts have been successfully updated.

General Syntax

```
UpdateContactResultArray = cventapi.UpdateContact(ContactArray Contacts)
```

Input

Name	Type	Description
Contacts	Contacts Array	Array of one or more contacts (up to 200) to be updated, and optionally MessageIds which will be returned as ReferenceIds. The Cvent Web service creates these contacts in array index order.

Output

Name	Type	Description
Id	ID	ID of the contact that you attempted to update. If this field contains a value, then the contact was successfully updated. If this field is empty, then the contact was not updated and the Cvent Web service returned error information instead.
ReferenceId	ID	The MessageId value in the input CvObject
SourceId	String	Source ID of the contact. If this field contains a value a source ID was sent in along with the contact's other values. If the field is empty, then no source ID was supplied in the original call.
Success	Boolean	Indicates whether the update call succeeded (True) or not (False) for this contact.
Errors	Error Array	If an error occurred during the update call, an array of one or more Error objects providing the error code and description.

Validation Rules

The following validation rules should be applied to the UpdateContact call:

General	The UpdateContact method shall update Contact by input ContactId.
Format and Pattern	<ul style="list-style-type: none">• The ID field should be a valid GUID data type.

	<ul style="list-style-type: none">Email addresses should be in a valid email address format.
<i>Uniqueness</i>	Based on DupMatchKey, only the first instance of a contact in the array will update the contact record. All subsequent instances will return an error message.
<i>Referential Integrity</i>	The following relationships need to be valid to ensure database referential integrity: <ul style="list-style-type: none">ContactTypeCodeCountryCodeStateCode
<i>Length</i>	The application will truncate data which exceeds the maximum length of a field.
<i>Read-Only</i>	The application will ignore the value in the read-only fields.

2.7 UpsertContact

Usage

Use UpsertContact to insert or update one or more contacts to your Cvent account data. For each instance, Cvent will determine if the contact already exists in the Cvent address book. If so, the process will result in an update. If not, it will result in a newly created contact.

Basic Steps

1. Create an instance of one or more individual contact objects.
For each contact object, you populate its fields with the data that you want to add.
2. Construct a Contact array and populate that array with the contacts that you want to create/update.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call UpsertContact, passing in the Contact array.
5. Process the results in the UpsertContactResultArray object to verify whether the contacts have been successfully created/updated.

General Syntax

```
CreateContactResultArray = cventapi.CreateContact(ContactArray)
```

Input

Name	Type	Description
Contacts	Contacts Array	Array of one or more contacts (up to 200) to be created or updated, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
Id	ID	ID of the contact that you attempted to create/update. If this field contains a value, then the contact was successfully created or updated. If this field is empty, then the contact was not created/updated and the Cvent Web service returned error information instead.
ReferenceId	ID	The MessageId value in the input CvObject
SourceId	String	Source ID of the contact. If this field contains a value a source ID was sent in along with the contact's other values. If the field is empty, then no source ID was supplied in the original call.
Success	Boolean	Indicates whether the upsert call succeeded (True) or not (False) for this contact.
NewContact	Boolean	Indicates whether the upsert call resulted in a new contact (True) or not (False).
Errors	Error Array	If an error occurred during the upsert call, an array of one or more Error objects providing the error code and description.

Validation Rules

The following validation rules should be applied to the UpdateContact call:

Format and Pattern	Email addresses should be in a valid email address format.
Referential Integrity	<p>The following relationships need to be valid to ensure database referential integrity:</p> <ul style="list-style-type: none"> • ContactTypeCode • CountryCode

	<ul style="list-style-type: none">• StateCode
<i>Length</i>	The application will truncate data which exceeds the maximum length of a field.
<i>Read-Only</i>	The application will ignore the value in the read-only fields.

2.8 DeleteContact

Usage

Use DeleteContact to delete one or more existing contacts in your organization's data. This process will remove a contact from the address book but it will not remove a contacts association with existing events.

Basic Steps

1. Determine the ID of each contact that you want to delete.
For example, you might call Search to retrieve a set of contacts IDs that you would want to delete. If you store the Cvent IDs for your contact records within your database, you can use these IDs to delete the desired contacts.
2. Construct a CvObject array and populate it with the IDs of each contact that you want to delete.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call DeleteContact, passing in the ID array.
5. Process the results in the DeleteContactResultArray object to verify whether the objects have been successfully deleted.

General Syntax

```
DeleteContactResultArray = cventapi.DeleteContact(CvObjectArray CvObjects)
```

Input

Name	Type	Description
CvObjects	CvObject Array	Array of one or more CvObject, which contains contacts IDs to be deleted, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
Id	ID	ID of the contact that you attempted to update. If this field contains a value, then the contact was successfully updated. If this field is empty, then the contact was not updated and the Cvent Web service returned error information instead.
ReferenceId	ID	The MessageId value in the input CvObject.
SourceId	String	Source ID of the contact. If the deleted contact had a Source ID associated with it, that Source ID returned. If there was no Source ID associated with the contact record in Cvent the field will be empty.
Success	Boolean	Indicates whether the delete call succeeded (True) or not (False) for this contact.
Errors	Error Array	If an error occurred during the update call, an array of one or more Error objects providing the error code and description.

2.9 CreateContactGroup

Usage

Use CreateContactGroup to add one or more contact groups to your Cvent account data. The CreateContactGroup call is analogous to the INSERT statement in SQL.

Basic Steps

1. Create an instance of one or more individual contact group objects.
For each contact group object, you populate its fields with the data that you want to add.
2. Construct a ContactGroup array and populate that array with the contact groups that you want to create.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call CreateContactGroup, passing in the ContactGroup array.
5. Process the results in the CreateContactGroupResultArray object to verify whether the contact groups have been successfully created.

General Syntax

```
CreateContactGroupResultArray = cventapi.CreateContactGroup(ContactGroupArray)
```

Input

Name	Type	Description
Contact Groups	Contact Group Array	Array of one or more contact groups (up to 200) to create, and optionally MessageIds which will be returned as ReferenceIds.. The Cvent Web service creates the contact groups in array index order.

Output

Name	Type	Description
Id	ID	ID of the contact group that you attempted to create. If this field contains a value, then the contact group was created successfully. If this field is empty, then the contact group was not created and the Cvent Web service returned error information instead.
ReferenceId	ID	The MessageId value in the input CvObject
Success	Boolean	Indicates whether the create call succeeded (True) or not (False) for this object.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the CreateContactGroup call:

- **Permissions** – Your client application must be logged in with sufficient access rights to create contact groups within the account.
- **Automatically Maintained Fields** – The Cvent Web service generates unique values for ID fields automatically. For create, for example you cannot explicitly specify an ID value for a contact group. The CreateContactGroupResult array contains the ID of each contact that was successfully created.
- **Required Fields** – For required fields that do not have a pre-configured default value, you must supply a value.
- **Valid Data Values** – You must supply values that are valid for the field's data type, such as integers (not alphabetic characters) for integer fields. In your client application, follow the data formatting rules specified

for your programming language and development tool. Your development tool will handle the appropriate mapping of data types in SOAP messages.

- **String Values** – When storing values in string fields, the Cvent Web service trims any leading and trailing whitespace. For example, if the value of a name field is entered as " XYZ Company ", then the value is stored in the database as "XYZ Company".
- **Maximum Number of Contact Groups Created** – You can add up to 200 individual contact groups in a single create call. If a create request exceeds 200 contact groups, then the entire operation fails.

Validation Rules

The following validation rules should be applied to the CreateContactGroup call:

Length	The application will truncate data which exceeds the maximum length of a field.
Read-Only	The application will ignore the value in the read-only fields.

2.10 ManageContactGroupMembers

Usage

Use ManageContactGroupMembers to update contact records based on the provided action.

Basic Steps

1. Determine the IDs of the contacts that you want to update.
For example, you might call Search to retrieve a set of contacts IDs that you would want to update. If you store the Cvent IDs for your contact records within your database, you can use these IDs to update the desired contacts.
2. Construct an ID array and populate it with the IDs of each contact record that you wish to update.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call ManageContactGroupMembers, passing in the ID array, the action you wish to take on the contacts, and the contact group ID.
Note: The "Remove" action removes contacts from the group and does not delete the contact group itself.
5. Process the results in the ManageContactGroupMembers object to verify whether the objects have been successfully updated.

General Syntax

```
ManageContactGroupMembersResultArray = cventapi.ManageContactGroupMembers  
(ManageGroupAction Action, ID GroupId, CvObjectArray CvObjects)
```

Input

Name	Type	Description
Action	Manage Group Action	The action you are taking on the contacts. Valid actions Add and Remove.
GroupId	ID	The ID of the contact that you adding or removing contacts to or from.
CvObjects	CvObject Array	Array of one or more CvObject, which contains contact IDs to be updated, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
Id	ID	ID of the contact that you attempted to update.
ReferenceId	ID	The MessageId value in the input CvObject.
Success	Boolean	Indicates whether the ManageContactGroupMembers call succeeded (True) or not (False) for this contact.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the ManageContactGroupMembers call:

- **Permissions** – Your client application must be logged in with sufficient access rights to update contacts within the account.

- **Maximum Number of Contacts Updated** – You can update up to 200 individual contacts in a single ManageContactGroupMembers call. If the ManageContactGroupMembers request exceeds 200 contacts, then the entire operation fails.

Validation Rules

The following validation rules should be applied to the ManageContactGroupMembers call:

Actions	<p>Valid actions are Add and Remove.</p> <ul style="list-style-type: none">• For the <i>Add</i> action to succeed, the contact must not already be a member of the specified contact group.• For the <i>Remove</i> action to succeed, the contact must already be a member of the specified contact group.
Uniqueness	<p>Based on ID, only the first instance of a contact in the array will update the contact record. All subsequent instances will return an error message.</p>

2.11 TransferInvitee

Usage

Use TransferInvitee to create or find an invitee record associated for a specific contact and activity combination.

Basic Steps

1. Determine the ID of the activity for which you want to transfer the invitee by calling the Search method.
2. Determine the ID of the contact that you wish to transfer.
For example, you can call the Search method to retrieve the existing contact's ID. If the contact does not already exist within your address book, call the CreateContact method. If the contact already exists and you would like to update the contact's record before transferring the invitee, call the UpdateContact method.
3. Construct a CvObject array and populate it with the IDs of each contact that you wish to transfer.
4. Optionally, specify the MessageId if you need to track the transfer result of each Contact object. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
5. Make the TransferInvitee call.
6. Redirect the invitee to the desired target Web link.

General Syntax

```
TransferInviteeResultArray = cventapi.TransferInvitee (ActivityType ActivityType, ID ActivityId,  
CvObjectArray CvObjects)
```

Input

Name	Type	Description
ActivityType	Activity Type	The type of activity for which you would like to create an invitee record, Event or Survey.
ActivityId	ID	The ID of the activity for which you want to create an invitee record.
CvObjects	CvObject Array	Array of one or more CvObject, which contains contacts IDs to be transferred, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
Id	ID	ID of the invitee that you attempted to transfer. If this field contains a value, then the invitee was created or already exists for the given activity contact combination. If this field is empty, then the invitee could not be created or found and the Cvent Web service returned error information instead.
ReferenceId	ID	The MessageId value in the input CvObject.
Success	Boolean	Indicates whether the create call succeeded (True) or not (False) for this object.
WebLinkDetailArray	WebLink	This is an array of the valid Web links associated with the Invitee. Each Web link is made up of a Target (String) and a URL (string). Provided the transfer call was successful this array will be populated.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

2.12 UpdateInviteeInternalInfo

Usage

Use UpdateInviteeInternalInfo to update or insert internal information answers for one or more invitees within an event.

Basic Steps

1. Determine the ID of the event you want to update invitee internal information for.
2. Construct an array of InviteeIds along with the question codes (internal info questions only) and answers you want to apply to each invitee.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call UpdateInviteeInternalInfo, passing in the EventId and array of invitees/questions/answers.
5. Process the results in the UpdateInviteeInternalInfoResultArray to verify whether the answers have been successfully inserted.

General Syntax

```
UpdateInviteeInternalInfoResultArray = cventapi.UpdateInviteeInternalInfo(EventId, CvAnswerArray  
Answers)
```

Input

Name	Type	Description
EventId	ID	Id of the event that is having it's invitees updated.
Answers	CvAnswer Array	Array of InviteeIds, QuestionCodes, and Answers to be applied to each invitee.

Output

Name	Type	Description
ID	ID	ID of the invitee record that the client attempted to update.
ReferenceId	ID	The MessageId value input with the Invitee object instance.
Success	Boolean	Indicates whether the create call succeeded (True) or not (False) for the object instance.
Errors	Error Array	If an error occurred during the update call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the UpdateInviteeInternalInfo call:

- **Field Types** – To update internal information, the question type must be one of the following:
 - Choice – Single Answer (Vertical)
 - Choice – Single Answer (Horizontal)
 - Choice – Single Answer (Drop-down Menu)
 - Open Ended Text – One Line
 - Open Ended Text – Comment Box

Validation Rules

The following validation rules should be applied to the UpdateInviteeInternalInfo call:

<i>Uniqueness</i>	InviteId and QuestionCode constitute a composite key for the CvAnswer array. If a provided InviteId and QuestionCode combination is not unique, the first CvAnswer instance will be processed. All others will fail.
<i>Referential Integrity</i>	The following relationships need to be valid to ensure database referential integrity: <ul style="list-style-type: none">• EventId• InviteId• QuestionCode
<i>Length</i>	The application will truncate data which exceeds the maximum length of a field.
<i>Read-Only</i>	The application will ignore the value in the read-only fields.

2.13 CheckIn

Usage

Use CheckIn to mark one or more invitees as participants for an event.

Basic Steps

- Determine the IDs of the invitees that you want to check in.
Note: To check in guests, use `GuestId` from the Registration object.
- Construct an ID array and populate it with the IDs of each record that you wish to check in.
- Optionally, specify the `MessageId` if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
- Call CheckIn, passing in the ID array.
- Process the results in the `CheckInResultArray` object to verify whether the objects have been successfully checked in.

General Syntax

```
CheckInResultArray = cventapi.CheckIn(CvObjectArray CvObjects)
```

Input

Name	Type	Description
CvObjects	CvObject Array	Array of one or more CvObject, which contains invitee IDs to be checked in, and optionally MessageIds which will be returned as ReferenceIds.
AttendeeType	AttendeeType Array	Indicates participant status for either an event or session.
ProductID	ProductID Array	Indicates the session for a participant to be marked.

Output

Name	Type	Description
Id	ID	ID of the invitee that you attempted to check in.
ReferenceId	ID	The MessageId value in the input CvObject.
Success	Boolean	Indicates whether the CheckIn call succeeded (True) or not (False) for this invitee.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the CheckIn call:

- Maximum Number of Contacts Checked In** – You can check in up to 200 individual invitees in a single CheckIn call. If a CheckIn request exceeds 200 invitees, then the entire operation fails.
- Multiple Events** – The invitees in the array can be from multiple events.

Validation Rules

The following validation rules should be applied to the CheckIn call:

Uniqueness	Based on ID, only the first instance of an invitee in the array will update the invitee record. All subsequent instances will return an error message.
-------------------	--

2.14 SimpleEventRegistration

Usage

Use SimpleEventRegistration to update an invitee record based on the provided action.

Basic Steps

1. Determine the IDs of the invitees that you want to register.
2. Construct an ID array and populate it with the IDs of each invitee record that you wish to register.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call SimpleEventRegistration, passing in the ID array, the action you wish to take on the invitees, and the event ID.
5. Process the results in the SimpleEventRegistration object to verify whether the objects have been successfully registered.

General Syntax

```
SimpleEventRegistrationResultArray = cventapi.SimpleEventRegistration (CvObjectArray CvObjects,  
RegistrationAction RegAction, ID EventId)
```

Input

Name	Type	Description
CvObjects	CvObject Array	Array of one or more CvObject, which contains invitee IDs to be registered, and optionally MessageIds which will be returned as ReferenceIds.
RegAction	Registration Action	The action you are taking on the invitees. Valid actions are Register, Decline, Waitlist, and Cancel.
EventId	ID	The ID of the event that you are registering the invitees for.

Output

Name	Type	Description
Id	ID	ID of the invitee that you attempted to register.
ReferenceId	ID	The MessageId value in the input CvObject.
Success	Boolean	Indicates whether the SimpleEventRegistration call succeeded (True) or not (False) for this invitee.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the SimpleEventRegistration call:

- [Event Admission Items](#) – The event associated with the invitee record must have no more than one admission item and no optional items or tracks. Sessions are allowed only if all sessions are included in the admission item.
- [Event and Invitee Association](#) – The event ID must match the event associated to the invitees. If the event ID does not match the event associated to an invitee the registration for that invitee will fail.
- [Event Capacity](#) – The IDs in the array will be processed the order they are listed. If the event capacity is reached, the records listed after the capacity has been exceeded will fail.

- **Event Fees** – The event associated with the invitee record must be a free event and have no fees.
- **Event Status** – The event associated with the invitee record must have a status of active or closed.
- **Event Travel** – The event associated with the invitee record must have the travel feature turned off.
- **Maximum Number of Contacts Registered** – You can register up to 25 individual invitees in a single SimpleEventRegistration call. If a SimpleEventRegistration request exceeds 25 invitees, then the entire operation fails.

Validation Rules

The following validation rules should be applied to the SimpleEventRegistration call:

Registration Actions	<p>Valid actions are Register, Decline, Waitlist, and Cancel. For all actions, no survey questions will be answered and no contact fields will be updated.</p> <ul style="list-style-type: none"> • For the <i>Register</i> action to succeed, the invitee must not have a status of accepted and the event must have available capacity. If the confirmation email is active, it will be sent to the invitee when the action succeeds. <p>Invitees will bypass the pending approval status and move directly to accepted, regardless of whether or not the approval process is enabled for the event.</p> <ul style="list-style-type: none"> • For the <i>Decline</i> action to succeed, the invitee must not have a status of accepted or declined. If the decline email is active, it will be sent to the invitee when the action succeeds. • For the <i>Waitlist</i> action to succeed, the invitee must not have a status of accepted or waitlisted and the event must be closed and have the waitlist feature active. • For the <i>Cancel</i> action to succeed, the invitee must have a status of accepted. If the cancellation email is active, it will be sent to the invitee when the action succeeds.
Uniqueness	<p>Based on ID, only the first instance of an invitee in the array will update the invitee record. All subsequent instances will return an error message.</p>

2.15 CreateSurveyAnswer

Usage

Use CreateSurveyAnswer to insert one or more answers on behalf of your survey respondents.

Basic Steps

1. Determine the ID of the survey for which you want to create answers.
2. Determine the IDs of the respondents that you wish insert answers on behalf of.
For example, you can call the Search method to retrieve the existing respondent's ID. If the respondent does not exist for the survey, call the TransferInvitee method to add the contact to the survey.
3. Construct a CvAnswers array and populate it with the RespondentId, QuestionCode, and Answer for each answer that you want to insert.
4. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
5. Create a CreateSurveyAnswer object and specify the survey ID and status to which you want each respondent set.
6. Make the CreateSurveyAnswer call.

General Syntax

```
UpdateInviteeInternalInfoResultArray = cventapi.UpdateInviteeInternalInfo(SurveyId, SetStatus,  
CvAnswerArray CvAnswers)
```

Input

Name	Type	Description
SurveyId	ID	Id of the survey
SetStatus	String	The status to which each respondent will be set, Partial or Complete.
CvAnswers	CvAnswer Array	Array of RespondentIds, QuestionCodes, and Answers to be applied to each respondent. A MessageId can also be included with each instance of the array.

Output

Name	Type	Description
ID	ID	Id of respondent record included in the create call.
ReferenceId	String	MessageId input for the CvAnswer object instance.
Success	Boolean	Indicates whether the create call succeeded (True) or not (False) for the object instance.
Errors	Error Array	If an error occurred during the update call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the CreateSurveyAnswer call:

- **Existing Answers** – If the respondent already has a store answer for the question, we will replace the answer with the value provided in the API call.
- **Question Types** – To create survey answers, the question type must be one of the following:
 - Choice – Single Answer (Vertical)

- Choice – Single Answer (Horizontal)
- Choice – Single Answer (Drop-down Menu)
- Open Ended Text – One Line
- Open Ended Text – Comment Box

Validation Rules

The following validation rules should be applied to the CreateSurveyAnswer call:

Statuses	Valid survey statuses are testing, active and closed.
Respondent Statuses	<p>If partial status, all respondents with at least one successful CvAnswer instance will be set to 'Partial Response.'</p> <p>If complete status, all respondents with at least one successful CvAnswer instance will be set to 'Complete Response.'</p> <p>If no status or an unrecognized status is provided, all respondents with at least one CvAnswer instance will be set to 'Partial Response.'</p> <p>If an invalid status exists, the entire operation will fail.</p>

2.16 CreateRFP

Usage

Use CreateRFP to create a new RFP to add to your Cvent account.

Basic Steps

1. Determine the ID of the user that will be used for applying visibility to the new RFP.
2. Construct an RFPPParameter array and populate the array with the RFPs you want to create.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call CreateRFP, passing in the RFPPParameter array.
5. Process the results in the RFPPParameter array object to verify whether the event have been successfully created.

General Syntax

```
GetUpdatedResultArray = cventapi.CreateRFP(RFPPParameterArray RFPPParameters)
```

Input

Name	Type	Description
UserId	ID	Id of the user that used for applying visibility to the resulting RFP.
RFPPParameters	RFPPParameters Array	An array of RFP parameters (up to 200) from which to create new RFPs.

Output

Name	Type	Description
Id	ID	ID of the RFP that was created. If this field contains a value, then the action was successful. If this field is empty, then the RFP was not created and instead returned an error.
Code	String	RFPCode of the RFP that was created. If this field contains a value, then the action was successful. If this field is empty, then the RFP was not created and instead returned an error.
ReferenceId	String	MessageId input for the RFPPParameters object instance.
Success	Boolean	Indicates whether the call succeeded (True) or not (False) for the object instance.
Errors	Error Array	If an error occurred during the update call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the CreateRFP call:

- **Required Fields** – The following RFPPParameter fields are required: RFPTYPEID and RFPName
- **RFP Status** – All RFPs created through this method will be set to 'Draft' status.

2.17 SendEmail

Usage

Use SendEmail to send an email to one or more event invitees or survey respondents.

Basic Steps

7. Determine the ID of the activity (event or survey) for which you want to send an email for by calling the Search method.
8. Determine the ID of the invitees or respondents that you wish to email.
For example, you can call the Search method to retrieve the existing invitee's or respondent's ID. If the invitee or respondent does not exist for the event or survey, call the TransferInvitee method to add the contact to the event or survey.
9. Construct a CvObject array and populate it with the IDs of each invitee or respondent that you wish to email.
10. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
11. Create a SendEmailRequest object and specify the activity type, activity ID, email template, and if the email should be sent to those who have already received this email template. If you are sending a custom email template, provide the name of the custom email in the EmailName parameter.
12. Make the SendEmail call.

General Syntax

```
SendEmailResultArray = cventapi.SendEmail(SendEmailRequest sendEmailReq)
```

Input

Name	Type	Description
SendEmailRequest.ActivityType	Activity Type	The type of activity for which you would like to send an email, Event or Survey.
SendEmailRequest.ActivityId	ID	The ID of the activity for which you want to send an email.
SendEmailRequest.CvObjects	CvObject Array	Array of one or more CvObject, which contains invitees or respondents IDs to be emailed, and optionally MessageIds which will be returned as ReferenceIds.
SendEmailRequest.EmailTemplate	Email Template	The email template to be processed.
SendEmailRequest.EmailName	String	The name of the custom email to be processed.
SendEmailRequest.ResendToPreviousRecipients	Boolean	Indicates whether the SendEmail call should send the email to invitees or respondents that have previously received this email.

Output

Name	Type	Description
Id	ID	ID of the invitee or respondent that you attempted to email.
ReferenceId	ID	The MessageId value in the input CvObject.
Success	Boolean	Indicates whether the SendEmail call succeeded (True) or not (False) for this invitee or respondent. Success indicates the emails were successfully for delivery later.
Errors	Error Array	If an error occurred during the SendEmail call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the SendEmail call:

- [Activity and Invitee/Respondent Association](#) – The activity ID must match the event or survey associated to the invitee or respondent. If the activity ID does not match, the email will not be sent to that invitee or respondent.
- [Targeted Lists Association](#) – If an invitee or respondent is not associated with a targeted list, the default targeted list will be used.
- [Opt-outs](#) – Invitees or respondents that have opted-out of receiving emails will not be scheduled and returned for delivery.
- [Maximum Number of Emails Scheduled](#) – You can schedule up to 200 individual emails in a single SendEmail call. If a SendEmail request exceeds 200 invitees or respondents, then the entire operation fails. If the event or survey is in test mode, the maximum number of emails that can be sent is 100.

Validation Rules

The following validation rules should be applied to the SendEmail call:

Statuses	<p>Valid event statuses are testing, active, closed, and completed.</p> <p>Valid survey statuses are testing, active, and closed.</p> <p>If an invalid status is exists, the entire operation will fail.</p>
Email Templates	<p>The following email templates are valid for events.</p> <ul style="list-style-type: none"> • Invitation • CustomInviteeMessage • InvitationReminder • CustomUndecidedMessage • RegistrationConfirmation • EventReminder • CustomAttendeeMessage • ModificationConfirmation • CancellationConfirmation • Regret • CustomDeclineeMessage • PostEventFollowup • CustomAttendedMessage • ApprovalDenied • ApprovalPending • CustomEmail <p>The following email templates are valid for surveys.</p> <ul style="list-style-type: none"> • SurveyInvitation • SurveyCustomInviteeMessage • SurveyReminder • SurveyCustomNoResponseMessage • SurveyPartiallyCompleteMessage • SurveyCustomMessageToPartials • SurveyCompletionMessage • SurveyCustomMessageToRespondents • SurveyCustomEmail
Uniqueness	Based on ID, only the first instance of an invitee or respondent in the array be processed.

2.18 CopyEvent

Usage

Use CopyEvent to create a new event by copying one that already exists within your Cvent account.

Basic Steps

1. Determine the ID of the event that you want to copy.
2. Create an instance of one or more EventParameter objects.
3. Construct an EventParameter array and populate the array with the events you want to create.
4. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
5. Call CopyEvent, passing in the EventId and EventParameter array.
6. Process the results in the EventParameter array object to verify whether the event have been successfully created.

General Syntax

```
CopyEventResultArray = cventapi.CopyEvent(EventId, EventParameterArray)
```

Input

Name	Type	Description
EventId	ID	Id of the event that will be copied.
EventParameters	EventParameters Array	An array of event parameters (up to 200) from which to create new events.

Output

Name	Type	Description
Id	ID	ID of the event that was created. If this field contains a value, then the action was successful. If this field is empty, then the event was not created and instead returned an error.
ReferenceId	String	MessageId input for the EventParameters object instance.
Success	Boolean	Indicates whether the call succeeded (True) or not (False) for the object instance.
Errors	Error Array	If an error occurred during the update call, an array of one or more Error objects providing the error code and description.

Notes

The following EventParameter fields are required to create an event:

- [Title](#)
- [Time Zone Code](#) – Time zones are provided by the DescribeGlobal method. The value returned in the “ID” attribute should be provided in this field.
- [Start Date](#)
- [Planner First Name](#)
- [Planner Last Name](#)

2.19 CreateNoRegEvent

Usage

Use CreateNoRegEvent to create an event with no online registration to your Cvent account.

Basic Steps

1. Create an instance of one or more EventParameter objects.
2. Construct an EventParameter array and populate the array with the events you want to create.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call CreateNoRegEvent, passing in the EventParameter array.
5. Process the results in the EventParameter array object to verify whether the event have been successfully created.

General Syntax

```
GetUpdatedResultArray = cventapi.CreateNoRegEvent(EventParameterArray)
```

Input

Name	Type	Description
EventParameters	CvObject Array	Array of one or more Events (up to 200) to create, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
Id	ID Array	Array of one or more Object IDs that have been updated or created in the given time span.
ReferenceId	ID	The MessageId value in the input CvObject
Success	Boolean	Indicates whether the create call succeeded (True) or not (False) for this object.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

Notes

The following EventParameter fields are required to create an event:

- [Title](#)
- [Time Zone Code](#) – Time zones are provided by the DescribeGlobal method. The value returned in the “ID” attribute should be provided in this field.
- [Start Date](#)
- [Planner First Name](#)
- [Planner Last Name](#)

2.20 CreateTransaction

Usage

Use CreateTransaction to insert offline payments for one or more registrants within an event. The CreateTransaction call is analogous to the INSERT statement in SQL.

Basic Steps

1. Create an instance of one or more individual transaction objects.
For each transaction object, you populate its fields with the data that you want to add.
2. Construct a Transaction array and populate that array with the transactions that you want to create.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call CreateTransaction, passing in the transaction array and the ID of the event.
5. Process the results in the CreateTransactionResultArray object to verify whether the transactions have been successfully created.

General Syntax

```
CreateTransactionResultArray = cventapi.CreateTransaction (EventId, TransactionArray)
```

Input

Name	Type	Description
EventId	ID	The ID of the event.
Transactions	CVObjectArray	Array of one or more instances (up to 200) to create, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
Id	ID	ID of the transaction that you attempted to create. If this field contains a value, then the transaction was created successfully. If this field is empty, then the transaction was not created and the Cvent Web service returned error information instead.
ReferenceId	ID	The MessageId value in the input CvObject
Success	Boolean	Indicates whether the create call succeeded (True) or not (False) for this object.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the CreateTransaction call:

- **PaidInFull** – If the PaidInFull Boolean for a given transaction is set to True, Cvent will automatically calculate the payment amount based on the amount due and effectively set the registrant's balance due to zero. If false, the transaction amount must be distributed to individual products.
- **Transaction Types** – Valid transaction types for this method include "Offline Charge" and "Offline Refund".
- **Event Status** – This method can only be used with events in one of the following statuses: Active, Closed, Completed, and Cancelled.
- **Invitee Status** – This method can only be used for invitees in one of the following statuses: Accepted and Cancelled.

2.21 GetUpdated

Usage

Use GetUpdated to get the IDs of individual objects that have been updated or created during the specified time for the specified object.

Basic Steps

6. Call GetUpdated, passing in the object and time span for which to retrieve data.
7. Iterate through the returned array of IDs. For each ID element in the array, call Retrieve to obtain the latest information you want from the associated object. Your client application must then take the appropriate action on the local data, such as inserting new rows or updating existing ones with the latest information.
8. Optionally, the client application saves the request timestamp for future reference.

General Syntax

```
GetUpdatedResultArray = cventapi.GetUpdated(CvObjectType ObjectType, dateTime StartDate, dateTime  
EndDate)
```

Input

Name	Type	Description
ObjectType	CvObject Type	Object from which to retrieve data.
StartDate	Date Time	Starting date/time (GMT – not local time zone) of the time span for which to retrieve the data. The Cvent Web service ignores the seconds portion of the specified dateTime value. For example, 12:30:15 is interpreted as 12:30:00 GMT.
EndDate	Date Time	Ending date/time (GMT – not local time zone) of the time span for which to retrieve the data. The Cvent Web service ignores the seconds portion of the specified dateTime value. For example, 12:30:15 is interpreted as 12:30:00 GMT.

Output

Name	Type	Description
Id	ID Array	Array of one or more Object IDs that have been updated or created in the given time span.

2.22 CreateUser

Usage

Use CreateUser to add one or more users to your Cvent account data. The CreateUser call is analogous to the INSERT statement in SQL.

Basic Steps

6. Create an instance of one or more individual user objects.
For each user object, you populate its fields with the data that you want to add.
7. Construct a User array and populate that array with the users that you want to create.
8. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
9. Call CreateUser, passing in the User.
10. Process the results in the CreateUserResultArray object to verify whether the users have been successfully created.

General Syntax

```
CreateUserResultArray = cventapi.CreateUser (UserArray)
```

Input

Name	Type	Description
Users	CVObjectArray	Array of one or more instances (up to 200) to create, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
Id	ID	ID of the user that you attempted to create. If this field contains a value, then the user was created successfully. If this field is empty, then the user was not created and the Cvent Web service returned error information instead.
ReferenceId	ID	The MessageId value in the input CvObject
Success	Boolean	Indicates whether the create call succeeded (True) or not (False) for this object.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the CreateUser call:

- **Automatically Maintained Fields** – The Cvent Web service generates unique values for ID fields automatically. For create, for example you cannot explicitly specify an ID value for a user. The CreateUserResult array contains the ID of each user that was successfully created.
- **Default Values** – Certain fields have a default value. If you do not specify a value for such fields, the Cvent Web service populates these fields with the default value. For required fields that do not have a preconfigured default value, you must supply a value.
- **Required Fields** – For required fields that do not have a pre-configured default value, you must supply a value.
- **Valid Data Values** – You must supply values that are valid for the field's data type, such as integers (not alphabetic characters) for integer fields. In your client application, follow the data formatting rules specified for your programming language and development tool. Your development tool will handle the appropriate mapping of data types in SOAP messages.
- **String Values** – When storing values in string fields, the Cvent Web service trims any leading and trailing whitespace. For example, if the value of a name field is entered as " XYZ Company ", then the value is stored in the database as "XYZ Company".
- **Maximum Number of Users Created** – You can add up to 200 individual users in a single create call. If a create request exceeds 200 users, then the entire operation fails.

Validation Rules

The following validation rules should be applied to the CreateUser call:

Format and Pattern	<ul style="list-style-type: none">• The ID field should be a valid GUID data type.• Email addresses should be in a valid email address format.
Referential Integrity	The following relationships need to be valid to ensure database referential integrity: <ul style="list-style-type: none">• UserRoleID• CountryCode• StateCode
Length	The application will truncate data which exceeds the maximum length of a field.
Read-Only	The application will ignore the value in the read-only fields.

Note: By default, users will be created as application users. To create a meeting request user, specify "Requester" as the user type.

2.23 UpdateUser

Usage

Use UpdateUser to update one or more existing users to your Cvent account data. The update call is analogous to the UPDATE statement in SQL.

Basic Steps

1. Determine the ID of each user that you want to update.
For example, you might call Search to retrieve a set of users IDs that you would want to update. If you store the Cvent IDs for your user records within your database, you can use these IDs to update the desired users.
2. For each object, populate its fields with the data that you want to update.
Note: To preserve an existing field value, pass the null value for that field.
3. Construct a User array and populate that array with the users that you want to update.
4. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
5. Call UpdateUser, passing in the User array.
6. Process the results in the UpdateUserResultArray object to verify whether the Users have been successfully updated.

General Syntax

```
UpdateUserResultArray = cventapi.UpdateUser(UserArray Users)
```

Input

Name	Type	Description
Users	CvObject Array	Array of one or more instances (up to 200) to update, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
Id	ID	ID of the user that you attempted to update. If this field contains a value, then the contact was successfully updated. If this field is empty, then the user was not updated and the Cvent Web service returned error information instead.
ReferenceId	ID	The MessageId value in the input CvObject
Success	Boolean	Indicates whether the update call succeeded (True) or not (False) for this user.
Errors	Error Array	If an error occurred during the update call, an array of one or more Error objects providing the error code and description.

Validation Rules

The following validation rules should be applied to the UpdateUser call:

General	The UpdateUser method shall update User by input UserId.
Format and Pattern	<ul style="list-style-type: none">• The ID field should be a valid GUID data type.• Email addresses should be in a valid email address format.
Uniqueness	Based on DupMatchKey, only the first instance of a user in the array will update the user record. All subsequent instances will return an error message.

<i>Referential Integrity</i>	The following relationships need to be valid to ensure database referential integrity: <ul style="list-style-type: none">• UserRoleID• CountryCode• StateCode
<i>Length</i>	The application will truncate data which exceeds the maximum length of a field.
<i>Read-Only</i>	The application will ignore the value in the read-only fields.

2.24 DeleteUser

Usage

Use DeleteUser to delete one or more existing users from your account.

Basic Steps

1. Determine the ID of each user that you want to delete.
For example, you might call Search to retrieve a set of users IDs that you would want to delete. If you store the Cvent IDs for your user records within your database, you can use these IDs to delete the desired users.
2. Construct a CvObject array and populate it with the IDs of each user that you want to delete.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call DeleteUser, passing in the ID array.
5. Process the results in the DeleteUserResultArray object to verify whether the objects have been successfully deleted.

General Syntax

```
DeleteUserResultArray = cventapi.DeleteUser(CvObjectArray CvObjects)
```

Input

Name	Type	Description
Users	CvObject Array	Array of one or more CvObject, which contains user IDs to be deleted, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
Id	ID	ID of the user that you attempted to update. If this field contains a value, then the contact was successfully updated. If this field is empty, then the user was not updated and the Cvent Web service returned error information instead.
ReferenceId	ID	The MessageId value in the input CvObject.
Success	Boolean	Indicates whether the delete call succeeded (True) or not (False) for this user.
Errors	Error Array	If an error occurred during the update call, an array of one or more Error objects providing the error code and description.

2.25 CreateRateHistory

Usage

Use CreateRateHistory to add rate history records to one or more venues.

Basic Steps

1. Create an instance of one or more individual rate history objects.
2. Construct a RateHistory array and populate that array with the rate history records that you want to create.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call RateHistory, passing in the array of rate history records..
5. Process the results in the CreateRateHistoryResultArray object to verify whether the rate history records have been successfully created.

General Syntax

```
CreateRateHistoryResultArray = cventapi.CreateRateHistory (RateHistoryArray)
```

Input

Name	Type	Description
RateHistory	RateHistory Array	Array of one or more RateHistory records (up to 200) to create, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
ID	ID	ID of the RateHistory record that the client attempted to create. This value will only be populated if the insert was successful.
ReferenceId	ID	The MessageId value input with the RateHistory object instance.
Success	Boolean	Indicates whether the create call succeeded (True) or not (False) for the object instance.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

Validation Rules

The following validation rules should be applied to the CreateRateHistory call:

Uniqueness	<ul style="list-style-type: none">• If the venue code does not exist, all instances of the in the input array will return error messages.
Referential Integrity	<ul style="list-style-type: none">• The following relationship needs to be valid to ensure database referential integrity:• VenueCode

2.26 DeleteRateHistory

Usage

Use DeleteRateHistory to delete one or more rate history records from your account.

Basic Steps

1. Determine the ID of each rate history records that you want to delete.
2. Construct a CvObject array and populate it with the IDs of each rate history record that you want to delete.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call DeleteRateHistory, passing in the ID array.
5. Process the results in the DeleteRateHistoryResultArray object to verify whether the objects have been successfully deleted.

General Syntax

```
DeleteRateHistoryResultArray = cventapi.DeleteRateHistory(CvObjectArray CvObjects)
```

Input

Name	Type	Description
RateHistoryIDs	CvObject Array	Array of one or more RateHistoryIDs (up to 200) to delete, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
ID	ID	ID of the RateHistory record that the client attempted to delete. This value will only be populated if the insert was successful.
ReferenceId	ID	The MessageId value input with the RateHistory object instance.
Success	Boolean	Indicates whether the delete call succeeded (True) or not (False) for the object instance.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

2.27 ManageUserGroup

Usage

Use ManageUserGroup to update user records based on the provided action.

Basic Steps

1. Determine the IDs of the users that you want to update.
For example, you might call Search to retrieve a set of users IDs that you would want to update. If you store the Cvent IDs for your user records within your database, you can use these IDs to update the desired users.
2. Construct an ID array and populate it with the IDs of each user record that you wish to update.
3. Optionally, specify the MessageId if you need to track the result of each record. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes.
4. Call ManageUserGroup, passing in the ID array, the action you wish to take on the users, and the user group ID.
Note: The "Remove" action removes users from the group and does not delete the user group itself.
5. Process the results in the ManageUserGroup object to verify whether the objects have been successfully updated.

General Syntax

```
ManageUserGroupResultArray = cventapi.ManageUserGroup (ManageGroupAction Action, ID GroupId, CvObjectArray CvObjects)
```

Input

Name	Type	Description
Action	Manage Group Action	The action being taken on the objects. Valid actions: 'Add' & 'Remove'.
GroupId	ID	The ID of the Group you adding or removing objects to or from.
CvObjects	CvObject Array	Array of one or more CvObject, which contains object IDs to be updated, and optionally MessageIds which will be returned as ReferenceIds.

Output

Name	Type	Description
Id	ID	ID of the user that you attempted to update.
ReferenceId	ID	The MessageId value in the input CvObject.
Success	Boolean	Indicates whether the ManageUserGroup call succeeded (True) or not (False) for this user.
Errors	Error Array	If an error occurred during the create call, an array of one or more Error objects providing the error code and description.

Notes

Please take into account the following notes when using the ManageUserGroup call:

- **Maximum Number of Users Updated** – You can update up to 200 individual users in a single ManageUsersGroupMembers call. If the ManageUsersGroupMembers request exceeds 200 users, then the entire operation fails.

Validation Rules

The following validation rules should be applied to the ManageUserGroup call:

<i>Actions</i>	<p>Valid actions are Add and Remove.</p> <ul style="list-style-type: none">• For the <i>Add</i> action to succeed, the user must not already be a member of the specified user group.• For the <i>Remove</i> action to succeed, the user must already be a member of the specified user group.
<i>Uniqueness</i>	<p>Based on ID, only the first instance of a user in the array will update the user record. All subsequent instances will return an error message.</p>

2.28 DescribeGlobal

Usage

Use the DescribeGlobal to get the API settings for your account.

General Syntax

```
DescribeGlobalResult = cventapi.DescribeGlobal ()
```

Input

None

Output

Name	Type	Description
MaxAPICalls	Integer	Maximum number of API calls that can be made by your organization within a 24-hour period (midnight to midnight) Eastern Time (ET).
CurrentAPICalls	Integer	Current number of API calls made by your organization in the current 24-hour period (midnight to midnight) Eastern Time (ET).
MaxBatchSize	Integer	The maximum number of records that can be impacted by a Create, Update, or Delete call.
MaxRecordSet	Integer	The maximum record set that can be returned with a GetUpdated, Search, or Retrieve call.
CvObjectTypes	String Array	A list of object types valid for your account.

2.29 DescribeCvObject

Usage

Use the DescribeCvObject to get metadata associated with your account CvObjects.

General Syntax

DescribeCvObjectResultArray = cventapi.DescribeCvObject (CvObjectTypeArray ObjectTypes)

Input

Name	Type	Description
ObjectTypes	CvObject Type Array	An array of the objects you want described.

Output

Name	Type	Description
Name	String	Name of the object. This is the same string that was passed in as the CvObjectType parameter.
Creatable	Boolean	Indicates whether a create call can be made (True) or not (False) for this object.
Updateable	Boolean	Indicates whether an update call can be made (True) or not (False) for this object.
Deletable	Boolean	Indicates whether a delete call can be made (True) or not (False) for this object.
Replicableable	Boolean	Indicates whether a GetUpdated call can be made (True) or not (False) for this object.
Retrieveable	Boolean	Indicates whether a retrieve call can be made (True) or not (False) for this object.
Searchable	Boolean	Indicates whether a search call can be made (True) or not (False) for this object.
Fields	Field	Gives field level data about the object. The field data includes the following information: <ul style="list-style-type: none"> Name – The field name. DataType – The data type of the field. MaxLength – The maximum length of the field. This property is only used for string type fields. Searchable – Indicates if the field can be used in a Search call. Required – Indicates if the field is required for a Create call. ReadOnly – Indicates if the field can be updated in an update call or specified in a Create call. DefaultValue – Gives the default value of the field for a Create or Update call, if no value is supplied. DefaultSerachValue – Gives the default value for a Search call if no specific filter for this field is defined.
Custom Field	Field	Gives field level data about the object. The field data includes the following information: <ul style="list-style-type: none"> ID – The ID of the custom field. Name – The custom field name. Category – The category of the custom field. FieldType – Indicates the field type. Format – The format of the custom field. SetOrder – The order of the custom field. AnswerText – The answer text of the custom field.

3.0 Object Definitions

3.1 Overview

The following objects are available.

3.1.1 API Core Objects

Object	Description
CvSearchObject	Parent object of Cvent data objects. Used in Search method.
CvObject	Parent object of Cvent data objects.

3.1.2 Cvent Objects

Cvent Data	Object	Description
Contact	Contact	Represents an individual associated with your account's address book.
	ContactGroup	Represents a group of contacts within your account.
Event	Event	Represents an event associated with your account.
	EventParameters	Represents the fields associated with an event.
	EventDetails	Represents the details associated with an event.
	Invitee	Represents a specific invitee associated with an event.
	Registration	Represents the registration details associated with a specific event invitee, including items registered for, survey answers, etc.
	EventEmailHistory	Represents the email history details associated with a specific event invitee and a specific email.
	Transaction	Represents a monetary transaction associated with a specific invitee/contact.
	Travel	Represents the housing and travel details associated with a specific event invitee.
	Budget	Represents the overall budget for an event.
	BudgetItem	Represents the items in an event budget.
	EventQuestion	Represents questions in your event.
	MeetingRequest	Represents a meeting request associated with your account.
Survey	Survey	Represents a survey associated with your account.
	Respondent	Represents a specific respondent associated with a survey.
	Response	Represents answer details associated with a specific respondent.
	SurveyEmailHistory	Represents email history details associated with a specific survey respondent and specific email.
Suppliers	RFP	Represents an RFP created in your account.
	Proposal	Represents a proposal for an RFP created in your account.
	Supplier	Represents venue/service details for suppliers that have been awarded business within your account.
	RateHistory	Represents the rate history details associated with a specific supplier.
	RFPPParameters	Represents the fields associated with an RFP.
RFPs	SupplierRFP	Represents an RFP received in your account.
	SupplierProposal	Represents a proposal for an RFP created in your account.
Administration	User	Represents an individual user within your account.

	Meeting Request User	Represents a specific meeting request user within your account.
	User Group	Represents a group of users within your account.
	User Role	Represents a specific user role within your account.

3.2 CvSearchObject

The following are the fields associated with the CvSearchObject object and the properties of these fields.

Field Name	Type	Read-only	Searchable
SearchType †	CvSearchType		
FilterDetail			
Field	String		
Operator	CvSearchOperatorType		
Value	String		
ValueArray*	String Array		

† Can be “AND” search or “OR” search

* Use only with the “Includes” operator

Operators – Valid search operators include: Equals, Not Equal to, Less than, Greater than, Less than or Equal to, Greater than or Equal to, Contains, Does not Contain, Starts with, Includes, and Excludes

3.3 CvObject

The following are the fields associated with the CvObject object and the properties of these fields.

Field Name	Type	Read-only	Searchable
Id	String		
MessageId	String		

MessageId is an optional field. Message IDs can represent unique identifiers from your system. Message IDs will be returned as Reference IDs in the result array for your tracking purposes. The application will populate the output Referenceld with the value from input MessageId so you can track the action (create, update, delete, or transfer) result of each CvObject.

3.4 Contact

The following are the fields associated with the Contact object and the properties of these fields.

Field Name	Type	Read-only	Searchable
SourceId	String		X
FirstName†	String		X
LastName†	String		X
EmailAddress†	String		X
CCEmailAddress	String		X
Company	String		X
Title	String		
ContactType	String	X	
ContactTypeCode	String		X
Salutation	String		
Nickname	String		
MiddleName	String		
Designation	String		
Active ∞	Boolean	X	X
ExcludedFromEmail	Boolean		X
LastOptOutDate	Date Time	X	X
LastOptOutBy	String	X	
OptedIn	Boolean	X	
CreatedDate *	Date Time	X	X
CreatedBy	String	X	
LastModifiedDate *	Date Time	X	X
LastModifiedBy	String	X	
EmailAddressStatus	String	X	
LogDate	Date Time	X	
LogReason	String	X	
LogResponse	String	x	
PrimaryAddressType	String		
HomeAddress1	String		
HomeAddress2	String		
HomeAddress3	String		
HomeCity	String		
HomeState	String	X	
HomeStateCode	String		X
HomePostalCode	String		
HomeCountry	String	X	
HomeCountryCode	String		
HomePhone	String		
HomeFax	String		
WorkAddress1	String		

Field Name	Type	Read-only	Searchable
WorkAddress2	String		
WorkAddress3	String		
WorkCity	String		
WorkState	String	X	
WorkStateCode	String		X
WorkPostalCode	String		
WorkCountry	String	X	
WorkCountryCode	String		
WorkPhone	String		
WorkFax	String		
MobilePhone	String		
Pager	String		
SMTPCode	String	X	
JoinDate	Date Time	X	
ExpirationDate	Date Time	X	
LastRenewalDate	Date Time	X	
FacebookURL	String	X	
TwitterURL	String	X	
LinkedInURL	String	X	
CustomFieldDetail			
FieldId	GUID	X	
FieldType	String	X	
FieldName	String	X	
FieldValue	String		X
ContactGroupDetail			
GroupId	GUID		X
GroupName	String	X	X

† Required
∞ Default search value = true
* Used in GetUpdated call

3.5 ContactGroup

The following are the fields associated with the ContactGroup object and the properties of these fields.

Field Name	Type	Read-only	Searchable
Name	String		X
ShortDescription	String		

3.6 Event

The following are the fields associated with the Event object and the properties of these fields. Since there are no update or create calls for the Event object all fields are considered read-only.

Field Name	Type	Read-only	Searchable
EventCode	String	X	X
EventTitle	String	X	X
EventStartDate	Date Time	X	X
EventEndDate	Date Time	X	X
EventLaunchDate	Date Time	X	X
Timezone	String	X	
EventDescription	String	X	
InternalNote	String	X	
EventStatus	String	X	X
PlanningStatus	String	X	X
Capacity	Integer	X	
Category	String	X	
MeetingRequestId	GUID	X	
Currency	String	X	
Hidden ‡	Boolean	X	X
Location	String	X	X
StreetAddress1	String	X	
StreetAddress2	String	X	
StreetAddress3	String	X	
City	String	X	
State	String	X	
StateCode	String	X	X
PostalCode	String	X	
Country	String	X	
CountryCode	String	X	
PhoneNumber	String	X	
PlannerFirstName	String	X	
PlannerLastName	String	X	
PlannerEmailAddress	String	X	
RSVPbyDate	Date Time	X	
ArchiveDate	Date Time	X	
ClosedBy	String	X	
ExternalAuthentication	Boolean	X	
LastModifiedDate *	Date Time	X	X
ProductDetail			
ProductId	GUID	X	
ProductName	String	X	
ProductCode	String	X	
ProductType	String	X	

Field Name	Type	Read-only	Searchable
ProductDescription	String	X	
StartTime	Date Time	X	
EndTime	Date Time	X	
Status	String	X	
Capacity	Integer	X	
CustomFieldDetail			
FieldId	GUID	X	
FieldName	String	X	
FieldType	String	X	
FieldValue	String	X	
CustomFieldDetail			
FieldId	GUID	X	
FieldType	String	X	
FieldName	String	X	
FieldValue	String	X	X
WeblinkDetail			
Target	String	X	
URL	String	X	
Answer			
AnswerPart	String	X	
AnswerColumn	String	X	
AnswerText	String	X	
AnswerOther	String	X	
AnswerComment	String	X	
DocumentDetail			
FileName	String	X	
FileType	String	X	
FileSize	Integer	X	
UploadDate	Date Time	X	
FileURL	String	X	

* Used in GetUpdated call
‡ Default search value = false

3.7 EventParameters

The following are the fields associated with the EventParameters object and the properties of these fields.

Field Name	Type	Read-only	Searchable
Title	String		
Description	String		
Capacity	Integer		
LocationName	String		
Address1	String		
Address2	String		
Address3	String		
City	String		
StateCode	String		
PostalCode	String		
CountryCode	String		
Phone	String		
TimeZoneCode	String		
StartDate	Date Time		
EndDate	Date Time		
PlannerFirstName	String		
PlannerLastName	String		
CustomFieldDetail			
FieldID	GUID	X	
FieldType	String	X	
FieldName	String	X	
FieldValue	String		

3.8 EventDetails

The following are the fields associated with the EventDetails object and the properties of these fields.

Field Name	Type	Read-Only	Search
ID	GUID	X	
EventCode	String	X	
EventTitle	String	X	
EventDescription	String	X	
EventStatus	String	X	
EventSummaryHeader	String	X	
PlanningStatus	String	X	
RequestID	GUID	X	
RequestName	String	X	
RequestStatus	String	X	
RequestCode	String	X	
RequesterFirstName	String	X	
RequesterLastName	String	X	
RequesterID	GUID	X	
RequestSubmittedDate	Date Time	X	
PlanningStatusHistory			
OldStatus	String	X	
NewStatus	String	X	
ActionDate	Date Time	X	
ModifiedBy	String	X	
Comments	String	X	
ProcessFormDetail			
ID	GUID	X	
Name	String	X	
Status	String	X	
SubmittedBy	String	X	
SubmittedDate	Date Time	X	
LastModifiedBy	String	X	
LastModifiedDate	Date Time	X	
EventRoleDetail			
AssigneeID	GUID	X	
AssigneeFirstName	String	X	
AssigneeLastName	String	X	
AssigneeEmailAddress	String	X	
AssignedRole	String	X	
AssignedBy	String	X	
AssignedDate	Date Time	X	
EmailComments	String	X	
FAQDetail			

Question	String	X	
Answer	String	X	
Sequence	Integer	X	
Language	String	X	
Active	Boolean	X	
StaffDetail			
StaffFirstName	String	X	
StaffLastName	String	X	
StaffRole	String	X	
StaffEmailAddress	String	X	
DisplayOnWebsite	Boolean	X	
StaffAddress1	String	X	
StaffAddress2	String	X	
StaffAddress3	String	X	
StaffCity	String	X	
StaffState	String	X	
StaffStateCode	String	X	
StaffPostalCode	String	X	
StaffCountry	String	X	
StaffCountryCode	String	X	

3.9 Invitee

The following are the fields associated with the Invitee object and the properties of these fields. Since there are no update or create calls for the Invitee object all fields are considered read-only.

Field Name	Type	Read-only	Searchable
ContactId	GUID	X	X
SourceId	String	X	X
FirstName	String	X	X
LastName	String	X	X
Company	String	X	X
Title	String	X	
EmailAddress	String	X	X
CCEmailAddress	String	X	
WorkPhone	String	X	
Participant	Boolean	X	X
EventId	GUID	X	X
EventCode	String	X	
EventTitle	String	X	
EventStartDate	Date Time	X	
Status	String	X	X
InternalNote	String	X	
OriginalResponseDate	Date Time	X	
LastModifiedDate *	Date Time	X	X
ConfirmationNumber	String	X	X
ReferenceId	String	X	
LastModifiedDate	Date Time	X	
WeblinkDetail			
Target	String	X	
URL	String	X	
InternalInfoDetail			
QuestionText	String	X	
AnswerText	String	X	
RegretSurveyDetail			
SurveyType	String	X	
QuestionId	GUID	X	
QuestionCode	String	X	
QuestionText	String	X	
Answer			
AnswerPart	String	X	
AnswerColumn	String	X	
AnswerText	String	X	
AnswerOther	String	X	
AnswerComment	String	X	

* Used in GetUpdated call

3.10 Registration

The following are the fields associated with the Registration object and the properties of these fields. Since there are no update or create calls for the Registration object, all fields are considered read-only.

Note: Travel data is not contained in this object.

Field Name	Type	Read-only	Searchable
ContactId	GUID	X	X
InviteId	GUID	X	X
SourceId	String	X	X
FirstName	String	X	X
LastName	String	X	X
Company	String	X	
Title	String	X	
EmailAddress	String	X	X
CCEmailAddress	String	X	
WorkPhone	String	X	
EventId	GUID	X	X
EventCode	String	X	
EventTitle	String	X	
EventStartDate	Date Time	X	
Status	String	X	
Participant	Boolean	X	
Credit	Integer	X	
InternalNote	String	X	
InvitedBy	String	X	
RegistrationDate *	Date Time	X	X
CanceledDate *	Date Time	X	X
OriginalResponseDate	Date Time	X	
LastModifiedDate *	Date Time	X	X
ModifiedBy	String	X	
ResponseMethod	String	X	
ConfirmationNumber	String	X	X
RegistrationType	String	X	X
SurveyDetail			
SurveyType	String	X	
QuestionId	GUID	X	
QuestionCode	String	X	
QuestionText	String	X	
Answer			
AnswerPart	String	X	
AnswerColumn	String	X	
AnswerText	String	X	
AnswerOther	String	X	
AnswerComment	String	X	

Field Name	Type	Read-only	Searchable
AnswerText °	String	X	
GuestDetail			
GuestId	GUID	X	
FirstName	String	X	
LastName	String	X	
Company	String	X	
Title	String	X	
Phone	String	X	
EmailAddress	String	X	
Address1	String	X	
Address2	String	X	
Address3	String	X	
City	String	X	
State	String	X	
StateCode	String	X	
PostalCode	String	X	
Country	String	X	
CountryCode	String	X	
RegistrationType	String	X	
Participant	Boolean	X	
ConfirmationNumber	String	X	X
SurveyDetail			
SurveyType	String	X	
QuestionId	GUID	X	
QuestionCode	String	X	
QuestionText	String	X	
AnswerText	String	X	
OrderDetail			
OrderDetailItemId	GUID	X	
OrderDetailId	GUID	X	
OrderNumber	String	X	
FirstName	String	X	
LastName	String	X	
ProductId	GUID	X	
ProductName	String	X	
ProductCode	String	X	
ProductType	String	X	
Quantity	Integer	X	
ProductDescription	String	X	
StartTime	Date Time	X	
EndTime	Date Time	X	
Action	String	X	

Field Name	Type	Read-only	Searchable
ActionDate	String	X	
Amount	Money	X	
AmountPaid	Money	X	
AmountDue	Money	X	
Participant	Boolean	X	
DiscountDetail			
DiscountDetailId	GUID	X	
DiscountCode	String	X	
DiscountName	String	X	
DiscountType	String	X	
DiscountValue	String	X	
DiscountAmount	Money	X	
PaymentDetail			
TransactionId	GUID	X	
TransactionNumber	String	X	
TransactionDate	Date Time	X	
TransactionType	String	X	
ReferenceNumber	String	X	
Online	Boolean	X	
Amount	Money	X	

- * Used in GetUpdated call
- The AnswerText array is being depreciated and will be phased out in 2012.
Use the Answer subarray instead. The question types "Matrix – Multiple Answers Per Row" and "Matrix – Single Answers Per Row" are not supported by the AnswerText array.
- To search guest confirmation, the field name must match the guest confirmation number.

3.11 EventEmailHistory

The following are the fields associated with the EventEmailHistory object and the properties of these fields. Since there are no update or create calls for the EventEmailHistory object all fields are considered read-only.

Field Name	Type	Read-only	Searchable
EventId	GUID	X	X
InviteId	GUID	X	X
ContactId	GUID	X	
TargetList	String	X	
EmailSentDate	Date Time	X	
EmailStatus	String	X	
EmailType	String	X	
FromEmailAddress	String	X	
ToEmailAddress	String	X	
EmailViewed	Boolean	X	
EmailBounced	Boolean	X	
LastModifiedDate *	Date Time	X	X

* Used in GetUpdated call

3.12 Transaction

The following are the fields associated with the Transaction object and the properties of these fields. Since there are no update or create calls for the Transaction object all fields are considered read-only.

Field Name	Type	Read-only	Searchable
ContactId	GUID	X	X
InviteId	GUID	X	X
SourceId	String	X	
FirstName	String	X	
LastName	String	X	
Company	String	X	
Title	String	X	
EmailAddress	String	X	
WorkPhone	String	X	
EventId	GUID	X	X
EventCode	String	X	
EventTitle	String	X	
EventStartDate	Date Time	X	
TransactionType	String		X
Success [∞]	Boolean	X	X
TransactionNumber	String	X	X
PaymentType	String		X
NameOnCard	String	X	X
ReferenceNumber	String		X
BatchNumber	String		X
Amount	Money		X
PaidInFull ^{**}	Boolean		
TransactionDate [*]	Date Time		X
Note	String		
LastModifiedDate [*]	Date Time	X	X
ModifiedBy	String	X	
DistributionDetail			
ProductId	GUID	X	
ProductName	String	X	
ProductCode	String	X	
ProductType	String	X	
OrderNumber	String	X	
OrderPrice	Money	X	
AmountApplied	Money		
GLCode	String	X	

^{**} Used only in CreateOfflinePayment call.

[∞] Default search value = true

^{*} Used in GetUpdated call

3.13 Travel

The following are the fields associated with the Travel object and the properties of these fields. Since there are no update or create calls for the Travel object all fields are considered read-only.

Field Name	Type	Read-only	Searchable
ContactId	GUID	X	X
SourceId	String	X	
FirstName	String	X	
LastName	String	X	
Company	String	X	
Title	String	X	
EmailAddress	String	X	
CCEmailAddress	String	X	
EventId	GUID	X	X
EventCode	String	X	
EventTitle	String	X	
EventStartDate	Date Time	X	
Status	String	X	
RegistrationType	String	X	X
HotelRequest			
RequesterFirstName	String	X	
RequesterLastName	String	X	
HotelName	String	X	
HotelCode	String	X	
RoomName	String	X	
RoomCode	String	X	
Quantity	Integer	X	
RoommateRequest	String	X	
SpecialNeeds	String	X	
RewardsCode	String	X	
CheckinDate	Date Time	X	
CheckoutDate	Date Time	X	
Smoking	Boolean	X	
Cancelled	Boolean	X	
Handicap	Boolean	X	
Status	String	X	
ConfirmationNumber	String	X	
SurveyDetail			
SurveyType	String	X	
QuestionId	GUID	X	
QuestionCode	String	X	
QuestionText	String	X	
Answer			
AnswerPart	String	X	

Field Name	Type	Read-only	Searchable
AnswerColumn	String	X	
AnswerText	String	X	
AnswerOther	String	X	
AnswerComment	String	X	
CarRequest			
RequestId	String	X	
RequesterFirstName	String	X	
RequesterLastName	String	X	
PickUpDate	String	X	
PickUpTime	Date Time	X	
DropOffDate	Date Time	X	
DropOffTime	String	X	
RentalCarType	String	X	
RentalCompany	String	X	
RewardsCode	String	X	
Cancelled	Boolean	X	
Status	String	X	
ConfirmationNumber	String	X	
SurveyDetail			
SurveyType	String	X	
QuestionId	GUID	X	
QuestionCode	String	X	
QuestionText	String	X	
Answer			
AnswerPart	String	X	
AnswerColumn	String	X	
AnswerText	String	X	
AnswerOther	String	X	
AnswerComment	String	X	
AirRequest			
RequesterFirstName	String	X	
RequesterLastName	String	X	
Leg1Origin	String	X	
Leg1Destination	String	X	
Leg1Date	Date Time	X	
Leg1Time	String	X	
Leg2Origin	String	X	
Leg2Destination	String	X	
Leg2Date	Date Time	X	
Leg2Time	String	X	
TicketType	String	X	
SeatType	String	X	

Field Name	Type	Read-only	Searchable
MealText	String	X	
OtherText	String	X	
RewardsCode1	String	X	
RewardsCode2	String	X	
RewardsCode3	String	X	
AirlinePreference1	String	X	
AirlinePreference2	String	X	
AirlinePreference3	String	X	
AgeCategory	String	X	
Cancelled	Boolean	X	
Status	String	X	
PlannerMemo	String	X	
FullName	String	X	
Gender	String	X	
DateOfBirth	String	X	
SurveyDetail			
SurveyType	String	X	
QuestionId	GUID	X	
QuestionCode	String	X	
QuestionText	String	X	
Answer			
AnswerPart	String	X	
AnswerColumn	String	X	
AnswerText	String	X	
AnswerOther	String	X	
AnswerComment	String	X	
AirActual			
Name	String	X	
ConfirmationNumber	String	X	
TotalAmount	Money	X	
CurrencyCode	String	X	
Note	String	X	
GDSRecordLocator	String	X	
GDSNote	String	X	
FlightDetail			
Airline	String	X	
FlightNumber	String	X	
Origin	String	X	
Destination	String	X	
Departing	Date Time	X	
Arriving	Date Time	X	
SeatNumber	String	X	

3.14 Budget

The following are the fields associated with the Budget object and the properties of these fields. Since there are no update or create calls for the Budget object all fields are considered read-only.

Field Name	Type	Read-only	Searchable
EventCode	String	X	X
EventTitle	String	X	X
DefaultTax	Money	X	
DefaultTaxType	String	X	
DefaultTax2	Decimal		
DefaultTax2Type	String		
DefaultTax3	Decimal		
DefaultTax3Type	String		
DefaultTax4	Decimal		
DefaultTax4Type	String		
DefaultTax5	Decimal		
DefaultTax5Type	String		
DefaultGratuity	Money	X	
DefaultGratuityType	String	X	
ModifiedBy	String	X	
LastModifiedDate	Date Time	X	X
CategoryDetail			
CategoryName	String	X	
HighLevelEstimate	Money	X	
AmountDetail			
AmountDetailId	GUID	X	
AmountName	String	X	
Amount	Money	X	

3.15 BudgetItem

The following are the fields associated with the BudgetItem object and the properties of these fields. Since there are no update or create calls for the BudgetItem object all fields are considered read-only.

Field Name	Type	Read-only	Searchable
ItemName	String	X	X
ItemCode	String	X	X
ItemType	String	X	
EventId	GUID	X	X
EventCode	String	X	X
RFPIId	String	X	X
RFPCode	String	X	
CategoryName	String	X	
SubcategoryId	GUID	X	
SubcategoryName	String	X	
Status	String	X	
ProductId	GUID	X	
ProductName	String	X	
VendorType	String	X	
VendorId	GUID	X	
VendorName	String	X	
GLName	String	X	
GLCode	String	X	
Currency	String	X	
CurrencyCode	String	X	
ConversionRate	Decimal	X	
TaxOnGratuity	Boolean	X	
CostAvoidance	Money	X	
AvoidanceDescription	String	X	
InternalNote	String	X	
ItemDate	Date Time	X	
LastModifiedDate *	Date Time	X	X
CostDetail			
CostDetailId	GUID	X	
CostName	String	X	
Units	Integer	X	
Cost	Money	X	
Tax	Money	X	
TaxType	String	X	
Tax2	Decimal		
Tax2Type	String		
Tax3	Decimal		
Tax3Type	String		
Tax4	Decimal		

Field Name	Type	Read-only	Searchable
Tax4Type	String		
Tax5	Decimal		
Tax5Type	String		
Gratuity	Money	X	
GratuityType	String	X	
<i>SavingsDetail</i>			
SavingsDetailId	GUID	X	
SavingsName	String	X	
Amount	Money	X	
<i>BudgetPaymentDetail</i>			
PaymentDetailId	GUID	X	
PaymentName	String	X	
PaymentType	String	X	
PaymentDate	Date Time	X	
Amount	Money	X	
ReferenceNumber	String	X	
Currency	String	X	
CurrencyCode	String	X	

* Used in GetUpdated call

3.16 EventQuestion

The following are the fields associated with the EventQuestion object and the properties of these fields. Since there are no update or create calls for the EventQuestion object all fields are considered read-only.

Field Name	Type	Read-only	Searchable
ID	GUID	X	
QuestionText	String	X	
QuestionCode	String	X	X
SurveyType	String	X	X
QuestionType	String	X	X
EventId	GUID	X	X
EventCode	String	X	X
EventTitle	String	X	
ProductName	String	X	
ProductId	GUID	X	X
InternalNote	String	X	
AllowOther	Boolean	X	
OtherLabel	String	X	
LastModifiedDate *	Date Time	X	X
AnswerDetail			
AnswerText	String	X	
RowDetail			
RowText	String	X	

* Used in GetUpdated call

3.17 Survey

The following are the fields associated with the Survey object and the properties of these fields. Since there are no update or create calls for the Survey object all fields are considered read-only.

Field Name	Type	Read-only	Searchable
SurveyCode	String	X	X
SurveyTitle	String	X	X
EventCloseDate	Date Time	X	X
EventLaunchDate *	Date Time	X	X
Description	String	X	
SurveyStatus	String	X	X
InternalNote	String	X	
PlannerFirstName	String	X	
PlannerLastName	String	X	
WeblinkDetail			
Target	String	X	
URL	String	X	
CustomFieldDetail			
FieldID	GUID	X	
FieldType	String	X	
FieldName	String	X	
FieldValue	String	X	

* Used in GetUpdated call

3.18 Respondent

The following are the fields associated with the Respondent object and the properties of these fields. Since there are no update or create calls for the Respondent object all fields are read-only.

Field Name	Type	Read-only	Searchable
ContactId	GUID	X	X
SourceId	String	X	
FirstName	String	X	
LastName	String	X	
Company	String	X	
Title	String	X	
EmailAddress	String	X	
WorkPhone	String	X	
SurveyId	GUID	X	X
SurveyCode	String	X	
SurveyTitle	String	X	
SurveyLaunchDate	Date Time	X	
Status	String	X	X
InternalNote	String	X	
ReferenceId	String	X	
ResponseScore	Decimal	X	
WeblinkDetail			
Target	String	X	
URL	String	X	

3.19 Response

The following are the fields associated with the Response object and the properties of these fields. Since there are no update or create calls for the Response object all fields are considered read-only.

Field Name	Type	Read-only	Searchable
ContactId	GUID	X	X
SourceId	String	X	
FirstName	String	X	
LastName	String	X	
Company	String	X	
Title	String	X	
EmailAddress	String	X	
WorkPhone	String	X	
SurveyId	GUID	X	X
SurveyCode	String	X	
SurveyTitle	String	X	
SurveyLaunchDate	Date Time	X	
Status	String	X	
InternalNote	String	X	
ReferenceId	String	X	
InvitedBy	String	X	
CompletionDate *	Date Time	X	X
LastModifiedDate *	Date Time	X	X
ModifiedBy	String	X	
ResponseMethod	String	X	
ResponseNumber	String	X	
SurveyDetail			
QuestionText	String	X	
QuestionExportValue	String	X	
QuestionType	String	X	
QuestionScore	Decimal	X	
QuestionCode	String	X	
Answer			
AnswerPart	String	X	
AnswerColumn	String	X	
AnswerText	String	X	
AnswerOther	String	X	
AnswerExportValue	String	X	
AnswerComment	String	X	

* Used in GetUpdated call

3.20 SurveyEmailHistory

The following are the fields associated with the SurveyEmailHistory object and the properties of these fields. Since there are no update or create calls for the SurveyEmailHistory object all fields are considered read-only

Field Name	Type	Read-Only	Searchable
ID	GUID	X	
SurveyId	GUID	X	X
RespondentId	GUID	X	X
ContactId	GUID	X	
TargetList	String	X	
EmailSentDate	Date Time	X	
EmailStatus	String	X	
EmailType	String	X	
FromEmailAddress	String	X	
ToEmailAddress	String	X	
EmailViewed	Boolean	X	
EmailBounced	Boolean	X	
LastModifiedDate *	Date Time	X	X

* Used in GetUpdated call

3.21 RFP

The RFP object is for planner side only. The following are the fields associated with the RFP object and the properties of these fields. Since there are no update or create calls for the UserRole object, all fields are considered read-only.

Field Name	Type	Read-only	Searchable
RFPTYPE	String	X	X
QuickRFP	Boolean	X	
FlexibleDates	Boolean	X	
RFPStatus	String	X	X
RFPCode	String	X	X
RFPName	String	X	X
EventId	GUID	X	X
EventCode	String	X	
EventTitle	String	X	
ResponseDueDate	Date Time	X	X
DecisionDate	Date Time	X	X
AwardedDate	Date Time	X	X
CancelledDate	Date Time	X	
MultiAwarded	Boolean	X	
Currency	String	X	
RFPDescription	String	X	
DecisionFactors	String	X	
Commissionable	Boolean	X	
CommissionRate	Integer	X	
InternalNote	String	X	
CreatedDate	Date Time	X	
Archived	Boolean	X	
CreatedBy	String	X	
LastModifiedDate *	Date Time	X	X
LastModifiedBy	String	X	
EventInfo			
EventName	String	X	X
EventType	String	X	
ReferenceNumber	String	X	
EventStartDate	Date Time	X	X
EventEndDate	Date Time	X	
AlternateStartDate1	Date Time	X	
AlternateEndDate1	Date Time	X	
AlternateStartDate2	Date Time	X	
AlternateEndDate2	Date Time	X	

Field Name	Type	Read-only	Searchable
TotalAttendees	Integer	X	
TotalBudget	Money	X	
TotalMeetingSpace	Integer	X	
LargestMeetingRoom	Integer	X	
ContractSignatureLocation	String	X	
BusinessObjectives	String	X	
DestinationsUnderConsideration	String	X	
AdditionalInformation	String	X	
Concessions	String	X	
BillingInformation	String	X	
EventHistoryDetail			
VenueName	String	X	
City	String	X	
State	String	X	
StateCode	String	X	
Date	String	X	
Attendees	Integer	X	
RoomBlock	Integer	X	
RoomPickup	Integer	X	
FoodAndBeverageSpend	Money	X	
EventHistoryNote	String	X	
OrganizationInfo			
Organization	String	X	X
OrganizationType	String	X	
OrganizationAddress1	String	X	
OrganizationAddress2	String	X	
OrganizationAddress3	String	X	
OrganizationCity	String	X	
OrganizationState	String	X	
OrganizationStateCode	String	X	
OrganizationPostalCode	String	X	
OrganizationCountry	String	X	
OrganizationCountryCode	String	X	
Employees	Integer	X	
EventsPerYear	Integer	X	
SingleDayEvents	String	X	
MultiDayEvents	String	X	
AverageAttendeesPerEvent	Integer	X	

Field Name	Type	Read-only	Searchable
AverageRoomNightsPerEvent	Integer	X	
TotalAttendeesPerYear	Integer	X	
TotalRoomNightsPerYear	Integer	X	
OrganizationInformation	String	X	
KeyContactInfo			
KeyContactFirstName	String	X	
KeyContactLastName	String	X	
KeyContactTitle	String	X	
KeyContactEmailAddress	String	X	
KeyContactPhone	String	X	
KeyContactFax	String	X	
KeyContactMobilePhone	String	X	
KeyContactOrganization	String	X	
KeyContactOrganizationWebsite	String	X	
KeyContactAddress1	String	X	
KeyContactAddress2	String	X	
KeyContactAddress3	String	X	
KeyContactCity	String	X	
KeyContactState	String	X	
KeyContactStateCode	String	X	
KeyContactPostalCode	String	X	
KeyContactCountry	String	X	
KeyContactCountryCode	String	X	
KeyContactAdditionalInformation	String	X	
EventRequirementsInfo			
FoodAndBeverageBudget	Money	X	
TotalMeetingRooms	Integer	X	
MeetingRoomSizeType	String	X	
MeetingRoomAdditionalInformation	String	X	
AmenityAdditionalInformation	String	X	
MeetingRoomDetail			
DayNumber	Integer	X	
StartTime	Date Time	X	
EndTime	Date Time	X	
AgendaItem	String	X	
AgendaItemType	String	X	
SetupType	String	X	
RoomSize	Integer	X	

Field Name	Type	Read-only	Searchable
NumberOfPeople	Integer	X	
TwentyFourHourHold	Boolean	X	
MeetingRoomNote	String	X	
AmenityDetail			
Amenity	String	X	
SleepRoomInfo			
CheckInDate	Date Time	X	
BudgetedRoomRate	Money	X	
SleepRoomAdditionalInformation	String	X	
SleepRoomDetail			
DayNumber	Integer	X	
Date	Date Time	X	
AnyRoomQuantity	Integer	X	
SingleRoomQuantity	Integer	X	
DoubleRoomQuantity	Integer	X	
SuiteQuantity	Integer	X	
SleepRoomNote	String	X	
OccupancyPerRoomDetail			
RoomType	String	X	
Occupancy	String	X	
AttachmentDetail			
FileName	String	X	
FileType	String	X	
FileSize	Integer	X	
UploadedDate	Date Time	X	
FileURL	String	X	
QuestionDetail			
QuestionId	GUID	X	
QuestionType	String	X	
QuestionText	String	X	
DinnerInfo			
DinnerStartDate	Date Time	X	
DinnerEndDate	Date Time	X	
DinnerAttendees	Integer	X	
DinnerFoodAndBeverage	Money	X	
DinnerContractSignatureLocation	String	X	
DinnerAdditionalInformation	String	X	
DinnerPrivateRoom	Boolean	X	

Field Name	Type	Read-only	Searchable
DinnerAVRequirements	String	X	
DinnerAlcoholPolicy	String	X	
DinnerSpecialNeeds	String	X	
SupplierDetail			
ProposalId	GUID	X	
VenueID	GUID	X	
VenueName	String	X	
VenueCode	String	X	
VenueType	String	X	
VenueCity	String	X	
VenueMMA	String	X	
VenueBrand	String	X	
VenueChain	String	X	
Preferred	Boolean	X	
MainPhone	String	X	
SalesPhone	String	X	
Status	String	X	X
RFPsSentDate	Date Time	X	X
RFPLastSentDate	Date Time	X	
RFPViewedDate	Date Time	X	
RFPLastViewedDate	Date Time	X	
BidReceivedDate	Date Time	X	X
ResponseReason	String	X	
ResponseReasonComment	String	X	
InternalNote	String	X	
UserVisibilityDetail			
UserId	GUID	X	
Username	String	X	
FirstName	String	X	
LastName	String	X	
UserGroupVisibilityDetail			
UserGroupId	GUID	X	
UserGroupName	String	X	

* Used in GetUpdated call

3.22 Proposal

The RFP object is for planner side only. The following are the fields associated with the Proposal object and the properties of these fields.

Field Name	Type	Read-only	Searchable
RFPId	GUID	X	X
RFPTType	String	X	X
RFPStatus	String	X	X
RFPCCode	String	X	X
RFPName	String	X	X
ProposalStatus	String	X	X
ProposalSentDate	Date Time	X	
Commissionable	Boolean	X	
NotesRecommendations	String	X	
CommissionRate	Integer		
InternalNote	String	X	
CreatedDate	Date Time	X	
CreatedBy	String	X	
LastModifiedDate *	Date Time	X	X
LastModifiedBy	String	X	
VenueInfo			
VenueName	String	X	X
VenueCode	String	X	X
VenueType	String	X	
VenueDescription	String	X	
VenuePhone	String	X	
VenueAddress1	String	X	
VenueAddress2	String	X	
VenueCity	String	X	
VenueState	String	X	
VenueStateCode	String	X	
VenuePostalCode	String	X	
VenueCountry	String	X	
VenueCountryCode	String	X	
VenueMMA	String	X	
VenueBrand	String	X	
VenueChain	String	X	
EventInfo			
EventStartDate	Date Time	X	
EventEndDate	Date Time	X	
Availability	String	X	
Currency	String	X	
EstimatedTotalCost	Money	X	

Field Name	Type	Read-only	Searchable
AdditionalInformation	String	X	
AlternateStartDate1	Date Time	X	
AlternateEndDate1	Date Time	X	
AlternateSleepRoomRate1	String	X	
AlternateAdditionalInformation1	String	X	
AlternateStartDate2	Date Time	X	
AlternateEndDate2	Date Time	X	
AlternateSleepRoomRate2	String	X	
AlternateAdditionalInformation2	String	X	
ConcessionAdditionalInformation	String	X	
KeyContactInfo			
KeyContactFirstName	String	X	
KeyContactLastName	String	X	
KeyContactTitle	String	X	
KeyContactEmailAddress	String	X	
KeyContactPhone	String	X	
KeyContactFax	String	X	
KeyContactMobilePhone	String	X	
KeyContactOrganization	String	X	
KeyContactOrganizationWebsite	String	X	
KeyContactAddress1	String	X	
KeyContactAddress2	String	X	
KeyContactAddress3	String	X	
KeyContactCity	String	X	
KeyContactState	String	X	
KeyContactStateCode	String	X	
KeyContactPostalCode	String	X	
KeyContactCountry	String	X	
KeyContactCountryCode	String	X	
KeyContactAdditionalInformation	String	X	
SleepRoomInfo			
CheckInDate	Date Time	X	
SleepRoomNeedsMet	Boolean	X	
SleepRoomNeedsMetAdditionalInfo	String	X	
FeeAdditionalInformation	String	X	
SleepRoomAvailabilityDetail			
DayNumber	Integer	X	
Date	Date Time	X	
AnyRoomQuantity	Integer	X	
AnyRoomRate	Money	X	
SingleRoomQuantity	Integer	X	
SingleRoomRate	Money	X	

Field Name	Type	Read-only	Searchable
DoubleRoomQuantity	Integer	X	
DoubleRoomRate	Money	X	
SuiteQuantity	Integer	X	
SuiteRate	Money	X	
SleepRoomNote	String	X	
AdditionalFeeDetail			
Category	String	X	
Type	String	X	
Value	Decimal	X	
EventRequirementsInfo			
MeetingRoomNeedsMet	Boolean	X	
MeetingRoomNeedsMetAdditionalInfo	String	X	
TotalFoodAndBeverageMinimum	Money	X	
FAndBMinimumNote	String	X	
ApplicableTax	Integer	X	
ServiceCharge	Integer	X	
MeetingRoomAdditionalInformation	String	X	
AmenityAdditionalInformation	String	X	
MeetingRoomAvailabilityDetail			
DayNumber	Integer	X	
StartTime	Date Time	X	
EndTime	Date Time	X	
AgendaItem	String	X	
AgendaItemType	String	X	
SetupType	String	X	
RoomName	String	X	
CeilingHeight	Decimal	X	
RoomSize	Integer	X	
NumberOfPeople	Integer	X	
TwentyFourHourHold	Boolean	X	
Note	String	X	
ProposalEstimatedCostDetail			
Amount	Money	X	
Quantity	Integer	X	
Type	String	X	
TaxOrServiceCharge	String	X	
Note	String	X	
AmenityDetail			
Amenity	String	X	
AttachmentDetail			
FileName	String	X	
FileType	String	X	

Field Name	Type	Read-only	Searchable
FileSize	Integer	X	
UploadedDate	Date Time	X	
FileURL	String	X	
SurveyDetail			
QuestionId	Money	X	
QuestionType	Integer	X	
QuestionText	String	X	
Answer			
AnswerPart	String	X	
AnswerColumn	String	X	
AnswerText	String	X	
AnswerOther	String	X	
AnswerComment	String	X	

* Used in GetUpdated call

3.23 SupplierRFP

The SupplierRFP object is for venues only. The following are the fields associated with the SupplierRFP object and the properties of these fields.

Field Name	Type	Read-only	Searchable
RFPTType	String	X	X
RFPStatus	String	X	X
RFPCode	String	X	X
RFPName	String	X	X
QuickRFP	Boolean	X	
ResponseDueDate	Date Time	X	X
DecisionDate	Date Time	X	X
Currency	String	X	
RFPDescription	String	X	
DecisionFactors	String	X	
Commissionable	Boolean	X	
CommissionRate	Integer	X	
OrganizationInfo			
Organization	String	X	X
OrganizationType	String	X	
OrganizationAddress1	String	X	
OrganizationAddress2	String	X	
OrganizationAddress3	String	X	
OrganizationCity	String	X	
OrganizationState	String	X	
OrganizationStateCode	String	X	
OrganizationPostalCode	String	X	
OrganizationCountry	String	X	
OrganizationCountryCode	String	X	
Employees	Integer	X	
EventsPerYear	Integer	X	
SingleDayEvents	String	X	
MultiDayEvents	String	X	
AverageAttendeesPerEvent	Integer	X	
AverageRoomNightsPerEvent	Integer	X	
TotalAttendeesPerYear	Integer	X	
TotalRoomNightsPerYear	Integer	X	
OrganizationInformation	String	X	
LastModifiedDate *	Date Time	X	X
EventInfo			

Field Name	Type	Read-only	Searchable
EventName	String	X	X
EventType	String	X	
ReferenceNumber	String	X	
EventStartDate	Date Time	X	X
EventEndDate	Date Time	X	
AlternateStartDate1	Date Time	X	
AlternateEndDate1	Date Time	X	
AlternateStartDate2	Date Time	X	
AlternateEndDate2	Date Time	X	
TotalAttendees	Integer	X	
TotalBudget	Money	X	
TotalMeetingSpace	String	X	
LargestMeetingRoom	String	X	
ContractSignatureLocation	String	X	
BusinessObjectives	String	X	
DestinationsUnderConsideration	String	X	
AdditionalInformation	String	X	
RepeatEvent	Boolean	X	
Concessions	String	X	
BillingInformation	String	X	
DinnerPrivateRoom	Boolean	X	
DinnerAVRequirements	String	X	
DinnerAlcoholPolicy	String	X	
DinnerSpecialNeeds	String	X	
EventHistoryDetail			
VenueName	String	X	
City	String	X	
State	String	X	
StateCode	String	X	
Date	String	X	
Attendees	Integer	X	
RoomBlock	Integer	X	
RoomPickup	Integer	X	
KeyContactInfo			
KeyContactFirstName	String	X	
KeyContactLastName	String	X	
KeyContactTitle	String	X	
KeyContactEmailAddress	String	X	

Field Name	Type	Read-only	Searchable
KeyContactPhone	String	X	
KeyContactFax	String	X	
KeyContactMobilePhone	String	X	
KeyContactOrganization	String	X	
KeyContactOrganizationWebsite	String	X	
KeyContactAddress1	String	X	
KeyContactAddress2	String	X	
KeyContactAddress3	String	X	
KeyContactCity	String	X	
KeyContactState	String	X	
KeyContactStateCode	String	X	
KeyContactPostalCode	String	X	
KeyContactCountry	String	X	
KeyContactCountryCode	String	X	
KeyContactAdditionalInformation	String	X	
SleepRoomInfo			
CheckInDate	Date Time	X	
BudgetedRoomRate	Money	X	
RoomSizeType	String	X	
SleepRoomAdditionalInformation	String	X	
SleepRoomDetail			
DayNumber	Integer	X	
Date	Date Time	X	
AnyRoomQuantity	Integer	X	
SingleRoomQuantity	Integer	X	
DoubleRoomQuantity	Integer	X	
SuiteQuantity	Integer	X	
SleepRoomNote	String	X	
OccupancyPerRoomDetail			
RoomType	String	X	
Occupancy	String	X	
EventRequirementInfo			
TotalMeetingRooms	Integer	X	
FoodAndBeverageBudget	Money	X	
MeetingRoomAdditionalInformation	String	X	
AmenityAdditionalInformation	String	X	
MeetingRoomDetail			
DayNumber	Integer	X	

Field Name	Type	Read-only	Searchable
StartTime (include date)	Date Time	X	
EndTime (include date)	Date Time	X	
AgendaItem	String	X	
AgendaItemType	String	X	
SetupType	String	X	
RoomSize	Integer	X	
NumberOfPeople	Integer	X	
TwentyFourHourHold	Boolean	X	
MeetingRoomNote	String	X	
AttachmentDetail			
FileName	String	X	
FileType	String	X	
FileSize	Integer	X	
UploadedDate	Date Time	X	
FileURL	String	X	
QuestionDetail			
QuestionId	GUID	X	
QuestionType	String	X	
QuestionText	String	X	
SupplierDetail			
ProposalId	GUID	X	
VenueID	GUID	X	
VenueName	String	X	
VenueCode	String	X	
SourceId	String	X	
VenueType	String	X	
VenueCity	String	X	
VenueMMA	String	X	
Status	String	X	X
Archived	Boolean	X	
RFPRceivedDate	Date Time	X	X
RFPLastSentDate *	Date Time	X	
RFPViewedDate	Date Time	X	
RFPLastViewedDate	Date Time	X	
BidSentDate	Date Time	X	X
ResponseReason	String	X	
ResponseReasonComment	String	X	
RecipientDetail			

Field Name	Type	Read-only	Searchable
RecipientEmailAddress	String	X	
RecipientType	String	X	
RecievedDate	String	X	
ForwardHistoryDetail			
SenderFirstName	String	X	
SenderLastName	String	X	
SenderEmailAddress	String	X	
ForwardedVenueName	String	X	
ForwardedVenueCode	String	X	
ForwardAdditionalInformation	String	X	
ForwardDate	String	X	
AssignmentHistoryDetail			
AssigneeFirstName	String	X	
AssigneeLastName	String	X	
AssigneeEmailAddress	String	X	
AssignorEmailAddress	String	X	
AssignmentStatus	String	X	
AssignmentMessage	String	X	
CurrentAssignee	Boolean	X	

* Used in GetUpdated call

3.24 SupplierProposal

The SupplierRFP object is for venues only. The following are the fields associated with the SupplierProposal object and the properties of these fields.

Field Name	Type	Read-only	Searchable
RFPId	GUID	X	X
RFPTYPE	String	X	X
RFPStatus	String	X	X
RFPCode	String	X	X
RFPName	String	X	X
ProposalStatus	String	X	X
ProposalSentDate	Date Time	X	
Commissionable	Boolean	X	
CommissionRate	Integer	X	
CreatedDate	Date Time	X	
CreatedBy	String	X	
LastModifiedDate *	Date Time	X	X
LastModifiedBy	String	X	
VenueInfo			
VenueName	String	X	X
VenueCode	String	X	X
VenueType	String	X	
Sourceld	String	X	
EventInfo			
EventStartDate	Date Time	X	
EventEndDate	Date Time	X	
Availability	String	X	
Currency	String	X	
EstimatedTotalCost	Money	X	
AdditionalInformation	String	X	
AlternateStartDate1	Date Time	X	
AlternateEndDate1	Date Time	X	
AlternateSleepRoomRate1	String	X	
AlternateAdditionalInformation1	String	X	
AlternateStartDate2	Date Time	X	
AlternateEndDate2	Date Time	X	
AlternateSleepRoomRate2	String	X	
AlternateAdditionalInformation2	String	X	
ConcessionAdditionalInformation			
KeyContactInfo			
KeyContactFirstName	String	X	
KeyContactLastName	String	X	
KeyContactTitle	String	X	
KeyContactEmailAddress	String	X	

Field Name	Type	Read-only	Searchable
KeyContactPhone	String	X	
KeyContactFax	String	X	
KeyContactMobilePhone	String	X	
KeyContactOrganization	String	X	
KeyContactOrganizationWebsite	String	X	
KeyContactAddress1	String	X	
KeyContactAddress2	String	X	
KeyContactAddress3	String	X	
KeyContactCity	String	X	
KeyContactState	String	X	
KeyContactStateCode	String	X	
KeyContactPostalCode	String	X	
KeyContactCountry	String	X	
KeyContactCountryCode	String	X	
KeyContactAdditionalInformation	String	X	
<i>SleepRoomInfo</i>			
SleepRoomNeedsMet	Boolean	X	
SleepRoomNeedsMetAdditionalInfo	String	X	
CheckInDate	Date Time	X	
FeeAdditionalInformation	String	X	
<i>SleepRoomAvailabilityDetail</i>			
DayNumber	Integer	X	
Date	Date Time	X	
AnyRoomQuantity	Integer	X	
AnyRoomRate	Money	X	
SingleRoomQuantity	Integer	X	
SingleRoomRate	Money	X	
DoubleRoomQuantity	Integer	X	
DoubleRoomRate	Money	X	
SuiteQuantity	Integer	X	
SuiteRate	Money	X	
<i>AdditionalFeeDetail</i>			
Category	String	X	
Type	String	X	
Value	Decimal	X	
<i>EventRequirementsInfo</i>			
MeetingRoomNeedsMet	Boolean	X	
MeetingRoomNeedsMetAdditionalInfo	String	X	
TotalFoodAndBeverageMinimum	Money	X	
FAndBMinimumNote	String	X	
ApplicableTax	Integer	X	
ServiceCharge	Integer	X	

Field Name	Type	Read-only	Searchable
CostAdditionalInformation	String	X	
AmenityAdditionalInformation	String	X	
MeetingRoomAvailabilityDetail			
DayNumber	Integer	X	
StartTime (include date)	Date Time	X	
EndTime (include date)	Date Time	X	
AgendaItem	String	X	
AgendaItemType	String	X	
SetupType	String	X	
RoomName	String	X	
RoomHeight	Decimal	X	
RoomSize	Integer	X	
NumberOfPeople	Integer	X	
TwentyFourHourHold	Boolean	X	
MeetingRoomAdditionalInfo	String	X	
ProposalEstimatedCostDetail			
Amount	Money	X	
Quantity	Integer	X	
Type	String	X	
TaxOrServiceCharge	String	X	
Note	String	X	
AttachmentDetail			
FileName	String	X	
FileType	String	X	
FileSize	Integer	X	
UploadedDate	Date Time	X	
FileURL	String	X	
SurveyDetail			
QuestionId	String	X	
QuestionType	Integer	X	
QuestionText	String	X	
Answer			
AnswerPart	String	X	
AnswerColumn	String	X	
AnswerText	String	X	
AnswerOther	String	X	
AnswerComment	String	X	

* Used in GetUpdated call

3.25 Supplier

The Supplier object is for planner side only. The following are the fields associated with the Supplier object and the properties of these fields.

Access to this object is restricted. To request to have this object enabled in your account, please contact your Cvent client service representative.

Field Name	Type	Read-Only	Searchable
ID	GUID	X	
Name	String	X	
VenueCode	String	X	
VenueType	String	X	
Brand	String	X	
ChainAffiliation	String	X	
MainPhoneNumber	String	X	
MainFaxNumber	String	X	
SalesPhoneNumber	String	X	
SalesFaxNumber	String	X	
Sourceld	String	X	
VenueWebsiteURL	String	X	
CventStarRating	String	X	
Address1	String	X	
Address2	String	X	
City	String	X	
State	String	X	
StateCode	String	X	
PostalCode	String	X	
Country	String	X	
CountryCode	String	X	
MetroArea	String	X	
Currency	String	X	
Description	String	X	
CancellationPolicy	String	X	
TotalSleepRooms	Integer	X	
TotalSingleRooms	Integer	X	
TotalDoubleRooms	Integer	X	
TotalSuites	Integer	X	
ImageDetail			
ImageName	String	X	
ImageCategory	String	X	
ImageURL	String	X	
RateHistoryDetail			
RateHistoryId	GUID	X	
ExternalIdDetail			
ExternalIdType	String	X	

ExternalId	String	X	
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3.26 RFPPParameters

The following are the fields associated with the RFPPParameters object and the properties of these fields.

Field Name	Type	Read Only	Searchable
RFPTType	String	X	
RFPName	String	X	
ResponseDueDate	Date Time	X	
DecisionDate	Date Time	X	
CurrencyCode	String	X	
RFPDescription	String	X	
InternalNote	String	X	
EventName	String	X	
EventStartDate	Date Time	X	
EventEndDate	Date Time	X	
TotalAttendees	Integer	X	
DestinationsUnderConsideration	String	X	
BudgetedRoomRate	Money	X	
KeyContactFirstName	String	X	
KeyContactLastName	String	X	
KeyContactTitle	String	X	
KeyContactEmailAddress	String	X	
KeyContactPhone	String	X	
KeyContactFax	String	X	
KeyContactMobilePhone	String	X	
KeyContactOrganization	String	X	
KeyContactAddress1	String	X	
KeyContactAddress2	String	X	
KeyContactAddress3	String	X	
KeyContactCity	String	X	
KeyContactStateCode	String	X	
KeyContactPostalCode	String	X	
KeyContactCountryCode	String	X	

3.27 RateHistory

The following are the fields associated with the RateHistory object and the properties of these fields.

Field	Type	Read Only	Searchable
VenueID	GUID	X	X
VenueCode	String	X	X
VenueName	String	X	X
RateName	String		X
RateStartDate	Date/Time		X
RateEndDate	Date/Time		
MinimumRate	Double		
MaximumRate	Double		
RoomType	String		
RoomNightCount	Integer		
Comment	String		
Currency	String		
ContractedRate	Boolean		
ContractDate	Date/Time		
CreatedDate	Date/Time		
CreatedBy	String		
LastModifiedDate*	Date/Time		
LastModifiedBy	String		

* Used in GetUpdated call

3.28 MeetingRequest

The following are the fields associated with the MeetingRequestUser object and the properties of these fields.

Field Name	Type	Read-Only	Search
ID	GUID	X	
RequestName	String	X	X
RequestStatus	String	X	X
RequestCode	String	X	X
FormId	GUID	X	X
FormName	String	X	
FormDescription	String	X	
FormInternalNote	String	X	
RequesterId	GUID	X	
RequesterFirstName	String	X	X
RequesterLastName	String	X	X
RequesterEmailAddress	String	X	X
RequesterTitle	String	X	
RequesterCompany	String	X	
RequesterWorkPhone	String	X	
RequesterHomePhone	String	X	
RequesterWorkFax	String	X	
RequesterMobilePhone	String	X	
RequesterAddress1	String	X	
RequesterAddress2	String	X	
RequesterAddress3	String	X	
RequesterCity	String	X	
RequesterState	String	X	
RequesterStateCode	String	X	
RequesterPostalCode	String	X	
RequesterCountry	String	X	
RequesterCountryCode	String	X	
Archived	Boolean	X	X
ArchiveDate	Date Time	X	
CreatedBy	String	X	
CreatedDate	Date Time	X	X
LastModifiedBy	String	X	
LastModifiedDate*	DateTime	X	
EventRequestInfo			
EventTitle	String	X	
EventCategory	String	X	
EventDescription	String	X	
EventInternalNote	String	X	
EventLocation	String	X	
EventAddress1	String	X	

EventAddress2	String	X	
EventAddress3	String	X	
EventCity	String	X	
EventState	String	X	
EventStateCode	String	X	
EventPostalCode	String	X	
EventCountry	String	X	
EventCountryCode	String	X	
EventPhone	String	X	
EventStartDate	Date Time	X	
EventEndDate	Date Time	X	
EventRSVPDate	Date Time	X	
EventTimeZone	String	X	
EventTimeZoneld	Integer	X	
EventCapacity	Integer	X	
EstimateAccommodation	Money	X	
EstimateCreativeAndDesign	Money	X	
EstimateEventProduction	Money	X	
EstimateFoodAndBeverage	Money	X	
EstimateGroundTransport	Money	X	
EstimateHotelAndVenueMisc	Money	X	
EstimateManagementFees	Money	X	
EstimateMerchandiseAndGifts	Money	X	
EstimateMiscellaneous	Money	X	
EstimatePrintAndWebsites	Money	X	
EstimateRoomRental	Money	X	
EstimateSetupAndEquipment	Money	X	
EstimateSiteInspection	Money	X	
EstimateSpecialEvents	Money	X	
EstimateTravel	Money	X	
StakeholderFirstName	String	X	
StakeholderLastName	String	X	
StakeholderEmailAddress	String	X	
StakeholderTitle	String	X	
StakeholderCompany	String	X	
StakeholderWorkPhone	String	X	
StakeholderHomePhone	String	X	
StakeholderWorkFax	String	X	
StakeholderMobilePhone	String	X	
StakeholderAddress1	String	X	
StakeholderAddress2	String	X	
StakeholderAddress3	String	X	
StakeholderCity	String	X	

StakeholderState	String	X	
StakeholderStateCode	String	X	
StakeholderPostalCode	String	X	
StakeholderCountry	String	X	
StakeholderCountryCode	String	X	
MaximumEventCapacity	Integer	X	
NumberCancelledRegistrants	Integer	X	
NumberDeclinedRegistrants	Integer	X	
NumberParticipants	Integer	X	
NumberRegisteredAttendees	Integer	X	
NumberInvited	Integer	X	
RFPRequestInfo			
ExpectedAttendees	Integer	X	
AlternateStartDate1	Date Time	X	
AlternateEndDate1	Date Time	X	
AlternateDate1Note	String	X	
AlternateStartDate1	Date Time	X	
AlternateEndDate1	Date Time	X	
AlternateDate1Note	String	X	
TotalMeetingSpace	String	X	
LargestMeetingRoom	String	X	
BusinessObjectives	String	X	
DestinationsUnderConsideration	String	X	
BudgetedRoomRate	Money	X	
SleepRoomAdditionalInfo	String	X	
TotalMeetingRoomsNeeded	Integer	X	
MeetingRoomAdditionalInfo	String	X	
ConcessionAndContractual	String	X	
DecisionDate	Date Time	X	
ResponseDueDate	Date Time	X	
AVNeeds	String	X	
CustomFieldDetail			
FieldId	GUID	X	
FieldName	String	X	
FieldType	String	X	
FieldValue	String	X	
DocumentDetail			
FileName	String	X	
FileType	String	X	
FileSize	Integer	X	
UploadDate	Date Time	X	
FileURL	String	X	
EventSurveyDetail			

SurveyType	String	X	
QuestionId	GUID	X	
QuestionCode	String	X	
QuestionText	String	X	
AnswerDetail			
AnswerPart	String	X	
AnswerColumn	String	X	
AnswerText	String	X	
AnswerOther	String	X	
AnswerComment	String	X	

3.29 User

The following are the fields associated with the User object and the properties of these fields.

Field Name	Type	Read-only	Searchable
Username	String		X
FederatedId	String		X
UserType	String		X
UserRole	String	X	X
UserRoleId	GUID		X
Active	Boolean		
Password [†]	String		
ChangePasswordOnLogin [†]	Boolean		
Prefix	String		
FirstName	String		
LastName	String		
Email	String		X
Company	String		
Title	String		
WorkPhone	String		
HomePhone	String		
MobilePhone	String		
WorkFax	String		
HomeFax	String		
Pager	String		
Address1	String		
Address2	String		
Address3	String		
City	String		
State	String		
StateCode	String		
PostalCode	String		
Country	String		
CountryCode	String		
AllEventVisibility	Boolean		
AllSurveyVisibility	Boolean		
AllRFPVisibility	Boolean		
DefaultContactGroupId	GUID		
CreatedDate	Date Time	X	
CreatedBy	String	X	
LastModifiedDate*	Date Time	X	
LastModifiedBy	String	X	
UserGroupDetail			

Field Name	Type	Read-only	Searchable
UserGroupName	String	X	
UserGroupId	GUID		
VisibilityDefaults			
VisibilityType	String		
UserGroupName	String	X	
UserGroupId	GUID		

* Used in GetUpdated call

† Passwords can only be created and updated, not retrieved

3.30 MeetingRequestUser

The following are the fields associated with the MeetingRequestUser object and the properties of these fields.

Field Name	Type	Read-only	Searchable
Username	String		X
FederatedId	String		X
UserType	String		X
UserRole	String	X	X
UserRoleId	GUID		X
Active	Boolean		
Password [†]	String		
ChangePasswordOnLogin [†]	Boolean		
Prefix	String		
FirstName	String		
LastName	String		
Email	String		X
Company	String		
Title	String		
WorkPhone	String		
HomePhone	String		
MobilePhone	String		
WorkFax	String		
HomeFax	String		
Pager	String		
Address1	String		
Address2	String		
Address3	String		
City	String		
State	String		
StateCode	String		
PostalCode	String		
Country	String		
CountryCode	String		
AllEventVisibility	Boolean		
AllSurveyVisibility	Boolean		
AllRFPVisibility	Boolean		
DefaultContactGroupId	GUID		
CreatedDate	Date Time	X	
CreatedBy	String	X	
LastModifiedDate *	Date Time	X	
LastModifiedBy	String	X	
UserGroupDetail			
UserGroupName	String	X	
UserGroupId	GUID		

Field Name	Type	Read-only	Searchable
VisibilityDefaults			
VisibilityType	String		
UserGroupName	String	X	

* Used in GetUpdated call

3.31 UserGroup

The following are the fields associated with the UserGroup object and the properties of these fields. Since there are no update or create calls for the UserGroup object, all fields are considered read-only.

Field Name	Type	Read-only	Searchable
UserGroupName	String	X	X
InternalNote	String	X	X

3.32 UserRole

The following are the fields associated with the UserRole object and the properties of these fields. Since there are no update or create calls for the UserRole object, all fields are considered read-only.

Field Name	Type	Read-only	Searchable
UserRoleName	String	X	X
Description	String	X	X
UserRights			
UserRightName	String	X	
UserRightCategory	String	X	
AccessLevel	String	X	

4.0 Appendix A – Error Codes

The following are the error codes you may receive and their type and message.

Error Type	Code	Message
Generic	CV10000	Unknown exception
	CV10001	Server exception – transaction cancelled
Security	CV10100	Account lockout
	CV10101	No access
	CV10102	Invalid login
	CV10103	Cannot be authenticated
	CV10104	Invalid Cvent header value
	CV10105	Session expired
	CV10106	Invalid IP
	CV10107	Unknown header value
	CV10108	API currently disabled
Invalid Operations	CV20001	Malformed ID
	CV20010	Invalid search filter
	CV20011	Unknown search exception
	CV20012	Too many IDs returned
	CV20013	Invalid date range
	CV20014	Invalid date range
	CV20015	Invalid search operator
Metric	CV30100	Exceed API call limit
	CV30101	Exceed create contact limit
	CV30102	Exceed update contact limit
	CV30103	Exceed delete contact limit
	CV30104	Exceed check in limit
	CV30105	Exceed simple event registration limit
	CV30106	Exceed transfer invitee limit
Validation	CV40101	Last Name is required to create a Contact
	CV40102	Invalid format for email address
	CV40103	Duplicated Contact object – Key field(s) are not unique
	CV40104	Contact already exists
	CV40105	Contact Type Code not valid
	CV40106	Country Code for Home Address is not valid
	CV40107	State Code for Home Address is not valid
	CV40108	Country Code for Work Address is not valid
	CV40109	State Code for Work Address is not valid
	CV40110	ID is not valid
	CV40111	Contact Custom Field ID(s) is not valid
	CV40112	Contact Group ID(s) is not valid

Error Type	Code	Message
Validation	CV40113	ID is required to update a Contact
	CV40114	Last Name is required to update a Contact
	CV40115	ID is required to delete a Contact
	CV40116	Duplicated Custom Field Detail object – Field ID(s) are not unique
	CV40117	Duplicated Contact Group Detail object – Group ID(s) are not unique
	CV40118	Duplicated CvObject object – ID(s) are not unique
	CV40119	Invalid format for CC email address
	CV50101	ID is not valid
	CV50102	Duplicated CvObject object – ID(s) are not unique
	CV50103	Contact ID does not exist
	CV50104	Invitee already exists
	CV50105	Invalid activity ID
	CV50106	Invalid activity type
	CV60101	ID is not valid
	CV60102	Duplicated CvObject object – ID(s) are not unique
	CV70101	ID is not valid
	CV70102	Duplicated CvObject object – ID(s) are not unique
	CV70103	ID attempted to be registered already has an Accepted status
	CV70104	ID attempted to be declined cannot have an Accepted or Declined status
	CV70105	ID attempted to be waitlisted cannot have an Accepted or Waitlisted status
	CV70106	ID attempted to be canceled must already have an Accepted status
	CV70107	Event capacity has been reached
	CV70108	Invalid registration action
	CV70109	Invalid event ID
	CV70110	Event ID is not eligible for simple event registration
	CV70111	Waitlist is not active for supplied event ID
	CV70112	Event status is not valid for supplied registration action
	CV70113	The event you are currently requesting is not open for registration
	CV80101	Invalid contact group ID
	CV80102	ID is required for adding/removing from a Contact Group
	CV80103	Contact already exists in the passed contact group
	CV80104	Contact does not exist in the passed contact group
	CV80105	Invalid action
	CV90101	Exceed create contact group limit
	CV90102	Name is required to create a contact group
	CV91101	Required arguments not supplied
	CV91102	Invalid argument format
	CV91103	Invalid template
	CV91105	No event email access
	CV91106	No survey email access
	CV91107	Exceed send email limit
	CV91200	Recipient's ID is not valid

Error Type	Code	Message
Validation	CV91201	Recipient does not exist
	CV91202	Duplicate recipient found
	CV91203	Recipient's contact information not found
	CV91204	Recipient has already received this email
	CV91205	Recipient's email address is invalid
	CV91206	Recipient has opted out
	CV91207	Sending Mail process for the recipient resulted in a failure

5.0 Appendix B – Sample Code

The sample C# code illustrates common use cases of the Cvent Web Service API.

Examples are provided for the following scenarios:

- Logging In
- Searching for Events
- Retrieving Event Details
- Retrieving All Survey Responses Updated Today

Logging In

Use the Login method to retrieve a valid client session and begin to use the Cvent API.

```
//Private Cvent Web Service class variable
private com.cvent.api.V200611 _ws = new com.cvent.api.V200611();

// Log in with provided credentials
// acctNum - Cvent provided API Account Number
// username - Cvent provided API User Name
// pwd - Cvent provided API password
private Boolean login(String acctNum, String userName, String pwd)
{
    //login to cvent web service
    com.cvent.api.LoginResult loginResult = _ws.Login(acctNum,userName,pwd);

    //assign login object to session
    _ws.CventSessionHeaderValue = new com.cvent.api.CventSessionHeader();
    _ws.CventSessionHeaderValue.CventSessionValue = loginResult.CventSessionHeader;

    //return success or fail
    if (loginResult.LoginSuccess)
    {
        Console.WriteLine("--> Login successful");
    }
    else
    {
        Console.WriteLine("--> Login failed");
    }
    return (loginResult.LoginSuccess);
}
```

Searching for Events

Use the Search method to search for events by event title.

```
//Private Cvent Web Service class variable
private com.cvent.api.V200611 _ws = new com.cvent.api.V200611();

//Search for events by event title
//eventTitle - Event Title to search for
//string[] - Array of EventIds that match the search criteria
public string[] GetEventIdsByTitle(String eventTitle)
{
    //Array of EventIds
    string[] ids;

    //Create Cvent search object
    com.cvent.api.CvSearch search = new com.cvent.api.CvSearch();

    //Create Cvent search filter object array
    //Create a one-row array of Filter objects
    //Create larger array if searching on multiple fields/filters
    search.Filter = new com.cvent.api.Filter[1];
    search.Filter[0] = new com.cvent.api.Filter();

    //Search by Event Title field and provided search criteria
    //EventTitle is a "searchable" attribute of the Event object
    //any searchable attribute can be added as a search filter
    search.Filter[0].Field = "EventTitle";
    search.Filter[0].Value = fieldVal;

    //Search for all Event Titles that "start with" provided criteria
    search.Filter[0].Operator = com.cvent.api.CvSearchOperatorType.StartsWith;

    //Specify if the search filters should be used to build an "And" or "Or" search
    search.SearchType = com.cvent.api.CvSearchType.AndSearch;

    //Perform search for event ids that match the search criteria
    //Note: Use same technique to search for other Cvent objects including
    //Contacts, Invitees, Registrations, Surveys, etc
    ids = _ws.Search(com.cvent.api.CvObjectType.Event, search);

    //Return string array of event ids
    return (ids);
}
```

Retrieving Event Details

Traverse an array of Event IDs and use the Retrieve method to analyze or display event details.

```
//Private Cvent Web Service class variable
private com.cvent.api.V200611 _ws = new com.cvent.api.V200611();

//Display event details by event id
//ids - String array of event ids
void DisplayEventsByIds(string[] ids)
{
    //Declare an array of CvObjects for later use
    com.cvent.api.CvObject[] objects;

    if (ids != null && ids.Length > 0)
    {
        //Retrieve applicable objects corresponding to array of ids
        //Use same technique to retrieve other Cvent objects,
        //including Contacts, Invitees, Registrations, Surveys, etc
        objects = _ws.Retrieve(com.cvent.api.CvObjectType.Event, ids);

        Console.WriteLine("\nThere are " + ids.Length + " EVENT records
                           returned from your search.");

        //Traverse event objects
        for (int i = 0; i < objects.Length; i++)
        {
            //Cast the retrieved CvObjects to Event objects
            com.cvent.api.Event evt = (com.cvent.api.Event)objects[i];

            //Print and/or analyze Event Details
            System.Console.WriteLine("\n      No: " + i);
            System.Console.WriteLine("Event Title: " + evt.EventTitle);
            System.Console.WriteLine("  Start Date: " + evt.EventStartDate);
            System.Console.WriteLine("    End Date: " + evt.EventEndDate);
            System.Console.WriteLine("      Status: " + evt.EventStatus);
        }
    }
}
```

Retrieving All Survey Responses Updated Today

Use the GetUpdated method to retrieve all survey responses updated since this morning.

```
//Private Cvent Web Service class variable
private com.cvent.api.V200611 _ws = new com.cvent.api.V200611();

//Display all surveys updated today
private void displayTodaysResponses()
{
    //Get today's datetime and convert to GMT/UTC time
    DateTime today = System.DateTime.Today.Date;
    today = TimeZone.CurrentTimeZone.ToUniversalTime(today);

    //Get current datetime and convert to GMT/UTC time
    DateTime now = System.DateTime.Now;
    now = TimeZone.CurrentTimeZone.ToUniversalTime(now);

    //Retrieve all Survey Responses updated since this morning
    string[] ids = _ws.GetUpdated(com.cvent.api.CvObjectType.Response, today, now);

    //Declare an array of CvObjects for later use
    com.cvent.api.CvObject[] objects;
    if (ids != null && ids.Length > 0)
    {
        //Retrieve applicable objects corresponding to array of ids
        //Use same technique to retrieve other Cvent objects,
        //including Contacts, Invitees, Registrations, Surveys, etc
        objects = _ws.Retrieve(com.cvent.api.CvObjectType.Response, ids);

        Console.WriteLine("\nThere are " + objects.Length + " RESPONSE \
                           records returned from your search.");

        //Traverse response objects
        for (int i = 0; i < objects.Length; i++)
        {
            com.cvent.api.Response response =
                (com.cvent.api.Response)objects[i];

            //Display Respondent's name and title
            System.Console.WriteLine("\n          No: " + i);
            System.Console.WriteLine("    First Name: " + response.FirstName);
            System.Console.WriteLine("    Last Name: " + response.LastName);
            System.Console.WriteLine("          Title: " + response.Title);

            //Display survey question/answer pairs
            displaySurveyResponse(response);
        }
    }
}

//Display all questions/answers for provided survey response
private void displaySurveyResponse (com.cvent.api.Response response)
{
    if (response != null)
    {
        //Declare array of survey detail objects
        com.cvent.api.SurveyDetail[] sd = response.SurveyDetail;
        if (sd != null && sd.Length > 0)
        {
            //Traverse survey details
            for (int j = 0; j < sd.Length; j++)
            {
                //Display question
                System.Console.WriteLine("\nQuestion Number: " + (j+1));
                System.Console.WriteLine("Question: " + sd[j].QuestionText);
            }
        }
    }
}
```

Retrieving All Survey Responses Updated Today

(Continued)

```
//Display question answer(s)
com.cvent.api.Answer[] answers = sd[j].Answer;

if (answers != null && answers.Length > 0)
{
    for (int x = 0; x < answers.Length; x++)
    {
        System.Console.WriteLine("\nAnswerComment(" + (x+1) + "): " +
answers[x].AnswerComment);
        System.Console.WriteLine("AnswerPart(" + (x + 1) + "): " +
answers[x].AnswerPart);
        System.Console.WriteLine("AnswerOther(" + (x + 1) + "): " +
answers[x].AnswerOther);
        System.Console.WriteLine("AnswerText(" + (x + 1) + "): " +
answers[x].AnswerText);
    }
}
}
```