



# **Rsam Platform**

## **Inbound API Guide**

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# Rsam Inbound API

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Rsam enables customers to make web-based API calls to execution commands / actions from other applications / tools into Rsam. Customers may wish to make API calls if they plan to use other tools to execute certain actions in Rsam, or create custom front-end interfaces for Rsam.

## API URI

Access to the API calls and data is gained through URI. To use the API, client applications make an HTTPS request and parse the response. Standard HTTPS methods like GET, PUT, POST, and DELETE are used throughout this process. The URI for the API is as follows:

*https://host/APIappName/api/resource-name*

## API Key

Each call made to the REST API must be accompanied by an API Key, which is used to validate the request. An API key can be generated by calling the Login API before making any other API calls.

**Note:** The JavaScript examples are using jQuery for the sake of brevity but this is not a requirement.

# Authentication

Authentication is required when making API calls. Log in using valid Rsam credentials (User ID / password) and permissions will be controlled accordingly for the session (i.e. the user will be limited in what they can add / modify / delete, similar to their experience in the user interface).

## Log in

This section explains the details for the Login procedure.

Item	Description/Format
<b>URL</b>	api/Logon
<b>URL Structure</b>	https://host/APIappName/api/Logon
<b>Http Method</b>	POST /Logon
<b>Request Data</b>	<b>In JSON</b> <pre>{   "UserId": "sample string 1",   "Password": "sample string 2" }</pre>
	<b>In XML</b> <pre>&lt;LoginRequest xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;   &lt;UserId&gt;sample string 1&lt;/UserId&gt;   &lt;Password&gt;sample string 2&lt;/Password&gt; &lt;/LoginRequest&gt;</pre>
<b>Response Data</b>	<b>In JSON</b> <pre>{   "APIKey": "99141fae-4c41-4abd-ade2-469f7d0151a4",   "StatusCode": 0,   "StatusMessage": "You have been successfully logged in." }</pre>
	<b>In XML</b> <pre>&lt;LoginResponse xmlns:xsi="https://www.w3.org/2001/XMLSchema- instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;   &lt;APIKey&gt;b498dd20-ebb4-40f1-984a-01f4cc1b8ec4&lt;/APIKey&gt;   &lt;StatusCode&gt;0&lt;/StatusCode&gt;   &lt;StatusMessage&gt;You have been successfully logged in.&lt;/StatusMessage&gt; &lt;/LoginResponse&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the validation of the data fails.
<b>HttpStatusCode.OK</b>	200	If the validation is success.

### Example in vb.net

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{""UserId"": "" & i_sUserId & """,""Password"": "" & i_sPassword & ""}"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch ex As Exception
'Handle the exception
End Try

```

### Example in JavaScript

```

var RSAM_API = {
URL: 'https://host/APIappName/api/',
ACTION_LOGON: 'Logon'
}
$.post(RSAM_API.URL + RSAM_API.ACTION_LOGON, {
UserId: $('#xTxtUserID').val(), Password: $('#xTxtPassword').val() })
.done(function(data){$('#xdivResult').html("<b>Message: </b>" +
data.StatusMessage + '<br/>' + "<b>API Key: </b>" + data.APIKey)})
.fail(function(error) {
$('#xdivResult').html(error.responseJSON.StatusMessage)
})

```

# User Management

User Management module in Rsam helps to add and manage users. Use the commands in the following section to add, update, delete, and locate users.

## Get Users

This API allows the user to retrieve the list of the users matching the given data.

This table explains the details for the Get Users procedure.

Item	Description/Format
<b>URL</b>	api/User?SEARCH_USER_ID={SEARCH_USER_ID}&USER_NAME={USER_NAME}&EMAIL_ID={EMAIL_ID}&LDAP_ID={LDAP_ID}&APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/User?SEARCH_USER_ID={SEARCH_USER_ID}&USER_NAME={USER_NAME}&EMAIL_ID={EMAIL_ID}&LDAP_ID={LDAP_ID}&APIKey={APIKey}
<b>Http Method</b>	GET /User
<b>Request Data</b>	<i>https://host/APIappName/API/User?SEARCH_USER_ID=example-admin&amp;USER_NAME=bbb&amp;EMAIL_ID=&amp;LDAP_ID=&amp;APIKey=c654e8af-9436-4af2-a561-e60e35e59574</i>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>[{   "USER_ID": "Example_admin",   "USER_NAME": "a",   "USER_PASSWORD": "□5f4dcc3b5aa765d61d8327deb882cf99",   "USER_PRIV": "50",   "USER_REPORT_PRIV": "20",   "USER_CONTACT_PRIV": "20",   "USER_LAST_LOGIN": "2014-08-27T18:15:00",   "USER_FAILED_ACCESS": 0,   "USER_ACCOUNT_LOCKED": false,   "USER_EMAIL": "a@b.com",   "USER_OPT_DEFAULT_INTERFACE": 1,   "USER_OPT_DEFAULT_INTERFACE_WEB": 0,   "USER_LAST_PASSWORD_CHANGE": "2013-12-27T15:18:00",   "USER_OPT_LDAP_AUTH": 0,   "USER_OPT_LDAP_ACCOUNT": null,   "USER_PENDING_STATE": 0,   "DOMAIN_ID_R": 0,   "USER_OPT_LDAP_ID": "",   "USER_REGISTRATION_CONTACT": null,   "USER_REGISTRATION_REASON": null,   "USER_REGISTRATION_TYPE": null,   "USER_IDENT": 63,   "USER_OBJTYPE_EXCEL_EXPORT": null,   "USER_IS_FULL_AMINISTRATOR": false,   "USER_CAN_ACCESS_ADMINISTRATION_SCREEN": false,   "USER_CAN_ACCESS_SCHEDULER_SCREEN": false,   "USER_CAN_ACCESS_IMPORT_OBJECT_SCREEN": true, </pre>

Item	Description/Format
	<pre> "USER_CAN_ACCESS_IMPORT_FINDINGS_SCREEN":true, "USER_CAN_ACCESS_IMPORT_CONTROL_TYPE_SCREEN":false, "USER_CAN_CREATE_IMPORT_NEW_USERS_GROUPS":true, "USER_CAN_ASSIGN_PERMISSIONS_GLOBALLY":false, "USER_CAN_GENERATE_ALL_REPORTS_ASSIGNED_OBJECTS":false, "USER_CAN_GENERATE_ALL_REPORTS_ALL_OBJECTS":false, "USER_CAN_ACCESS_OFFLINE_DATA_GATHERING_SCREEN":false, "USER_CAN_CREATE_NEW_AND_SUB_ENTITIES":false, "USER_OPT_LDAP_UNIQUE_ID":null, "USER_NO_LONGER_IN_LDAP":null, "USER_DATE_FORMAT":null, "USER_RSAM_ID":"RSAM01-00000063-60B5F7BCC3EB473A85B556EE673411F1" }]                 </pre> <p><b>In XML</b></p> <pre> &lt;Results&gt; &lt;Info xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;Success&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;ArrayOfUSER xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;USER&gt;&lt;USER_ID&gt;Example_ admin&lt;/USER_ID&gt;&lt;USER_NAME&gt;a&lt;/USER_NAME&gt;&lt;USER_PASSWORD&gt;□5f4dcc3b5aa765 d61d8327deb882cf99&lt;/USER_PASSWORD&gt;&lt;USER_PRIV&gt;50&lt;/USER_PRIV&gt;&lt;USER_REPO RT_PRIV&gt;20&lt;/USER_REPORT_PRIV&gt;&lt;USER_CONTACT_PRIV&gt;20&lt;/USER_CONTACT_PRIV &gt;&lt;USER_LAST_LOGIN&gt;2014-08- 05T16:09:00&lt;/USER_LAST_LOGIN&gt;&lt;USER_FAILED_ACCESS&gt;0&lt;/USER_FAILED_ACCES S&gt;&lt;USER_ACCOUNT_LOCKED&gt;false&lt;/USER_ACCOUNT_LOCKED&gt;&lt;USER_EMAIL&gt;a@b.com &lt;/USER_EMAIL&gt;&lt;USER_OPT_DEFAULT_INTERFACE&gt;1&lt;/USER_OPT_DEFAULT_INTERFAC E&gt;&lt;USER_OPT_DEFAULT_INTERFACE_WEB&gt;0&lt;/USER_OPT_DEFAULT_INTERFACE_WEB&gt;&lt; USER_LAST_PASSWORD_CHANGE&gt;2013-12- 27T15:18:00&lt;/USER_LAST_PASSWORD_CHANGE&gt;&lt;USER_OPT_LDAP_AUTH&gt;0&lt;/USER_OP T_LDAP_AUTH&gt;&lt;USER_PENDING_STATE&gt;0&lt;/USER_PENDING_STATE&gt;&lt;DOMAIN_ID_R&gt;0&lt; /DOMAIN_ID_R&gt;&lt;USER_OPT_LDAP_ID /&gt;&lt;USER_REGISTRATION_TYPE xsi:nil="true" /&gt;&lt;USER_IDENT&gt;63&lt;/USER_IDENT&gt;&lt;USER_OBJTYPE_EXCEL_EXPORT xsi:nil="true" /&gt;&lt;USER_IS_FULL_AMINISTRATOR&gt;false&lt;/USER_IS_FULL_AMINISTRATOR&gt;&lt;USER_C AN_ACCESS_ADMINISTRATION_SCREEN&gt;false&lt;/USER_CAN_ACCESS_ADMINISTRATIO N_SCREEN&gt;&lt;USER_CAN_ACCESS_SCHEDULER_SCREEN&gt;false&lt;/USER_CAN_ACCESS_S CHEDULER_SCREEN&gt;&lt;USER_CAN_ACCESS_IMPORT_OBJECT_SCREEN&gt;true&lt;/USER_CA N_ACCESS_IMPORT_OBJECT_SCREEN&gt;&lt;USER_CAN_ACCESS_IMPORT_FINDINGS SCREE NS&gt;true&lt;/USER_CAN_ACCESS_IMPORT_FINDINGS_SCREEN&gt;&lt;USER_CAN_ACCESS IMP ORT_CONTROL_TYPE_SCREEN&gt;false&lt;/USER_CAN_ACCESS_IMPORT_CONTROL_TYPE_S CREENS&gt;&lt;USER_CAN_CREATE_IMPORT_NEW_USERS_GROUPS&gt;true&lt;/USER_CAN_CREATE _IMPORT_NEW_USERS_GROUPS&gt;&lt;USER_CAN_ASSIGN_PERMISSIONS_GLOBALLY&gt;false&lt; /USER_CAN_ASSIGN_PERMISSIONS_GLOBALLY&gt;&lt;USER_CAN_GENERATE_ALL_REPORTS_ ASSIGNED_OBJECTS&gt;false&lt;/USER_CAN_GENERATE_ALL_REPORTS_ASSIGNED_OBJECT S&gt;&lt;USER_CAN_GENERATE_ALL_REPORTS_ALL_OBJECTS&gt;false&lt;/USER_CAN_GENERATE _ALL_REPORTS_ALL_OBJECTS&gt;&lt;USER_CAN_ACCESS_OFFLINE_DATA_GATHERING SCRE ENS&gt;false&lt;/USER_CAN_ACCESS_OFFLINE_DATA_GATHERING_SCREEN&gt;&lt;USER_CAN_C REATE_NEW_AND_SUB_ENTITIES&gt;false&lt;/USER_CAN_CREATE_NEW_AND_SUB_ENTITIE S&gt;&lt;USER_NO_LONGER_IN_LDAP xsi:nil="true" /&gt;&lt;USER_DATE_FORMAT xsi:nil="true" /&gt;&lt;USER_RSAM_ID&gt;RSAM01-00000063- 60B5F7BCC3EB473A85B556EE673411F1&lt;/USER_RSAM_ID&gt;&lt;/USER&gt;&lt;/ArrayOfUSER&gt; &lt;/Results&gt;                 </pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to view the user details
<b>HttpStatusCode.OK</b>	200	If the get operation is success
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

```
Dim sUrl As String
sUrl="https://host/APIappName/API/User?SEARCH_USER_ID=example_admin&USER_NAME=&EMAIL_ID=&LDAP_ID=&APIKey=7e6ccc4c-d0c7-452b-acf5-dfc0b9466f62"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()

Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using

Return sReturnValue
```

## Create User

This API allows a user with appropriate privileges to create a new user.

This table explains the details for the Create User procedure.

Item	Description/Format
<b>URI</b>	api/V9/User?APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/V9/User?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<p><b>In JSON</b></p> <pre>{   "InsertUserId": "sample string 1",   "UserPassword": "sample string 2",   "UserName": "sample string 3",   "UserPriv": "sample string 4",   "ReportPriv": "sample string 5",   "ContactPriv": "sample string 6",   "UserEmail": "sample string 7",   "UserPendingState": 1,   "AuthenticationType": 1,   "LDAPAccount": "sample string 8",   "DomainId": 1,   "UserRegisteringType": 1,   "UserRegistrationReason": "sample string 9",</pre>



Item	Description/Format
	<pre data-bbox="418 283 1497 667"> "UserRegistrationContact": "sample string 10" "CanAccessImportObjectScreen": "sample string 14", "CanAccessImportRecordScreen": "sample string 15", "CanAccessManageUserAndGroupsScreen": "sample string 16", "CanAccessAPI": "sample string 17", "UserPhone": "sample string 18", "Enable2FA": "sample string 19", "UserFirstName": "sample string 20", "UserMiddleName": "sample string 21", "UserLastName": "sample string 22" "ForceUserToChangePasswordOnNextLogin": 1 } </pre> <p data-bbox="418 688 522 720"><b>In XML</b></p> <pre data-bbox="418 737 1497 1728"> &lt;CreateV9UserRequest xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://schemas.datacontract.org/2004/07/RSAM_Web_API.Models"&gt; &lt;AuthenticationType&gt;sample string 9&lt;/AuthenticationType&gt; &lt;CanAccessAPI&gt;sample string 17&lt;/CanAccessAPI&gt; &lt;CanAccessImportObjectScreen&gt;sample string 14&lt;/CanAccessImportObjectScreen&gt; &lt;CanAccessImportRecordScreen&gt;sample string 15&lt;/CanAccessImportRecordScreen&gt; &lt;CanAccessManageUserAndGroupsScreen&gt;sample string 16&lt;/CanAccessManageUserAndGroupsScreen&gt; &lt;ContactPriv&gt;sample string 6&lt;/ContactPriv&gt; &lt;DomainId&gt;1&lt;/DomainId&gt; &lt;Enable2FA&gt;sample string 19&lt;/Enable2FA&gt; &lt;InsertUserId&gt;sample string 1&lt;/InsertUserId&gt; &lt;LDAPAccount&gt;sample string 10&lt;/LDAPAccount&gt; &lt;ReportPriv&gt;sample string 5&lt;/ReportPriv&gt; &lt;UserEmail&gt;sample string 7&lt;/UserEmail&gt; &lt;UserFirstName&gt;sample string 20&lt;/UserFirstName&gt; &lt;UserLastName&gt;sample string 22&lt;/UserLastName&gt; &lt;UserMiddleName&gt;sample string 21&lt;/UserMiddleName&gt; &lt;UserName&gt;sample string 3&lt;/UserName&gt; &lt;UserPassword&gt;sample string 2&lt;/UserPassword&gt; &lt;UserPendingState&gt;sample string 8&lt;/UserPendingState&gt; &lt;UserPhone&gt;sample string 18&lt;/UserPhone&gt; &lt;UserPriv&gt;sample string 4&lt;/UserPriv&gt; &lt;UserRegisteringType&gt;sample string 11&lt;/UserRegisteringType&gt; &lt;UserRegistrationContact&gt;sample string 13&lt;/UserRegistrationContact&gt; &lt;UserRegistrationReason&gt;sample string 12&lt;/UserRegistrationReason&gt; &lt;ForceUserToChangePasswordOnNextLogin&gt;1&lt;/ForceUserToChangePasswordOnNextLogin&gt; &lt;/CreateV9UserRequest&gt; </pre>
<b>Response Data</b>	<p data-bbox="418 1749 537 1780"><b>In JSON</b></p> <pre data-bbox="418 1797 574 1873"> { "Results": { </pre>

Item	Description/Format
	<pre>"Info": {   "ErrorCode": "0",   "ErrorMessage": "Successful created a new User" } }</pre>
	<p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Successful created a new User&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to create new users
<b>HttpStatusCode.OK</b>	200	If the get operation is success
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = "{"InsertUserId": "venki12345","UserPassword": "123456789","UserName":
"Venki12345","UserPriv": "50","ReportPriv": "", "ContactPriv": "" , "UserEmail":
"test@test.com","UserPendingState": "", "AuthenticationType": "", "LDAPAccount": "", "DomainId":
"", "UserRegisteringType": "", "UserRegistrationReason": "", "UserRegistrationContact": "" }"
```

```
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

## Update User

This API allows a user with the appropriate privileges to update the details of a user.

This table explains the details for the Update User procedure.

Item	Description/Format
<b>URI</b>	api/V9/User?APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/V9/User?APIKey={APIKey}
<b>Http Method</b>	PUT
<b>Request Data</b>	<b>In JSON</b> <pre> {   "UpdateUserId": "sample string 1",   "UserPassword": "sample string 2",   "UserName": "sample string 3",   "UserPriv": "sample string 4",   "ReportPriv": "sample string 5",   "ContactPriv": "sample string 6",   "UserEmail": "sample string 7",   "UserPendingState": 1,   "AuthenticationType": 1,   "LDAPAccount": "sample string 8",   "DomainId": 1,   "UserAccountLocked": true   "UserRegisteringType": "sample string 9",   "UserRegistrationReason": "sample string 10",   "UserRegistrationContact": "sample string 11",   "CanAccessImportObjectScreen": "sample string 12",   "CanAccessImportRecordScreen": "sample string 13",   "CanAccessManageUserAndGroupsScreen": "sample string 14",   "CanAccessAPI": "sample string 15",   "UserPhone": "sample string 16",   "Enable2FA": "sample string 17"   "UserFirstName": "sample string 18"   "UserMiddleName": "sample string 19"   "UserLastName": "sample string 20" }                     </pre>
	<b>In XML</b> <pre> &lt;UpdateV9UserRequest xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;   &lt;UpdateUserId&gt;sample string 1&lt;/UpdateUserId&gt;   &lt;UserPassword&gt;sample string 2&lt;/UserPassword&gt;   &lt;UserName&gt;sample string 3&lt;/UserName&gt;   &lt;UserPriv&gt;sample string 4&lt;/UserPriv&gt;   &lt;ReportPriv&gt;sample string 5&lt;/ReportPriv&gt;   &lt;ContactPriv&gt;sample string 6&lt;/ContactPriv&gt;   &lt;UserEmail&gt;sample string 7&lt;/UserEmail&gt;                     </pre>

Item	Description/Format
	<pre> &lt;UserPendingState&gt;1&lt;/UserPendingState&gt; &lt;AuthenticationType&gt;1&lt;/AuthenticationType&gt; &lt;LDAPAccount&gt;sample string 8&lt;/LDAPAccount&gt; &lt;DomainId&gt;1&lt;/DomainId&gt; &lt;UserAccountLocked&gt;&gt;true&lt;/UserAccountLocked&gt; &lt;CanAccessAPI&gt;sample string 9&lt;/CanAccessAPI&gt; &lt;CanAccessImportObjectScreen&gt;sample string 10&lt;/CanAccessImportObjectScreen&gt; &lt;CanAccessImportRecordScreen&gt;sample string 11&lt;/CanAccessImportRecordScreen&gt; &lt;CanAccessManageUserAndGroupsScreen&gt;sample string 12&lt;/CanAccessManageUserAndGroupsScreen&gt; &lt;Enable2FA&gt;sample string 13&lt;/Enable2FA&gt; &lt;UserPhone&gt;sample string 14&lt;/UserPhone&gt; &lt;UserRegisteringType&gt;sample string 15&lt;/UserRegisteringType&gt; &lt;UserRegistrationContact&gt;sample string 16&lt;/UserRegistrationContact&gt; &lt;UserRegistrationReason&gt;sample string 17&lt;/UserRegistrationReason&gt; &lt;UserFirstName&gt;sample string 18&lt;/UserFirstName&gt; &lt;UserMiddleName&gt;sample string 19&lt;/UserMiddleName&gt; &lt;UserLastName&gt;sample string 20&lt;/UserLastName&gt; &lt;/UpdateV9UserRequest&gt;                     </pre>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre> {   "Results":   {     "Info":{       "ErrorCode":"0",       "ErrorMessage":"User updated successfully"     }   } }                     </pre> <p><b>In XML</b></p> <pre> &lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;User updated successfully&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;                     </pre>

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to update user data
<b>HttpStatusCode.OK</b>	200	If the validation is success
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{ \"InsertUserId\": \"venki12345\", \"UserPassword\": \"123456789\", \"UserName\":
\"Venki12345\", \"UserPriv\": \"50\", \"ReportPriv\": \"\", \"ContactPriv\": \"\", \"UserEmail\":
\"test@test.com\", \"UserPendingState\": \"\", \"AuthenticationType\": \"\", \"LDAPAccount\": \"\", \"DomainId\":
                    
```

```

"","UserRegisteringType": "", "UserRegistrationReason": "", "UserRegistrationContact": "" }"

Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try

oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "PUT"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"

If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
    
```

## Delete User

This API allows a user with the appropriate privileges to delete a user.

This table explains the details for the Delete User procedure.

Item	Description/Format
<b>URI</b>	api/User?DELETE_USER_ID={DELETE_USER_ID}&APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/User?DELETE_USER_ID=example_admin&APIKey=47bba03d-e944-4aaa-91fd-57e04dbc63e8
<b>Http Method</b>	DELETE
<b>Request Data</b>	<i>https://host/APIappName/api/User?DELETE_USER_ID=example_admin&amp;APIKey=47bba03d-e944-4aaa-91fd-57e04dbc63e8</i>
<b>Response Data</b>	<b>In JSON</b> <pre> {   "Results":   {     "Info":     {       "ErrorCode": "0",       "ErrorMessage": "User deleted successfully."     }   } }                 </pre>
	<b>In XML</b> <pre> &lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;User deleted successfully&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;                 </pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to delete the user
<b>HttpStatusCode.OK</b>	200	If the validation is success
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

```
Dim sData As String = String.Empty

'Construct the data
sData = "DELETE_USER_ID=" & i_sUserId & "&apikey=" & m_sAPIKey

Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "DELETE"

oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

# Group Management

Use the commands in the following section to add, update, delete, and locate groups.

## Get Groups

This API allows a user with the appropriate privileges to retrieve the list of groups matching the given data.

The following table explains the details of the procedure.

Item	Description/Format
<b>URI</b>	api/Group?APIKey={APIKey}&GROUP_ID={GROUP_ID}&GROUP_NAME={GROUP_NAME}
<b>URL Structure</b>	https://host/APIappName/api/Group?APIKey={APIKey}&GROUP_ID={GROUP_ID}&GROUP_NAME={GROUP_NAME}
<b>Http Method</b>	GET /Group
<b>Request Data</b>	<i>https://host/APIappName/API/Group?GROUP_ID=38&amp;GROUP_NAME=&amp;APIKey=f16701b1-cbba-464d-98d8-9d3f12b3a992</i>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>[{   "AGRP_ID":38,   "AGRP_NAME":"Everyone",   "AGRP_DESCRIPTION":"" }]</pre> <p><b>In XML</b></p> <pre>&lt;ArrayOfGROUP xmlns:i="https://www.w3.org/2001/XMLSchema-instance" xmlns="https://schemas.datacontract.org/2004/07/RSAM.Entities"&gt;&lt;GROUP &gt;&lt;AGRP_DESCRIPTION&gt;&lt;/AGRP_DESCRIPTION&gt;&lt;AGRP_ID&gt;38&lt;/AGRP_ID&gt;&lt;AGRP_NAME &gt;Everyone&lt;/AGRP_NAME&gt;&lt;/GROUP&gt;&lt;/ArrayOfGROUP&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to view the group details
<b>HttpStatusCode.OK</b>	200	If the get operation is success
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

```
Dim sUrl As String
Dim sUrl As String
sUrl="https://host/APIappName/API/Group?GROUP_ID=38&GROUP_NAME=&APIKey=f16701b1-cbba-464d-98d8-9d3f12b3a992"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
```

```
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()

Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using

Return sReturnValue
```

## Create Group

This API allows a user with appropriate privileges to create a new group.

The following table explains the details of the procedure.

Item	Description/Format
<b>URI</b>	api/Group?APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/Group?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<p><b>In JSON</b></p> <pre>{ "GroupName": "sample string 1", "GroupDescription": "sample string 2", "IsLDAPGroup": "sample string 3", "GroupLDAPID": "sample string 4", "GroupLDAPDomainRSAMID": "sample string 5", "IsAssignedByAdmin": "sample string 6", "CanCallAPI": "sample string 7" }</pre> <p><b>In XML</b></p> <pre>&lt;CreateGroupRequest xmlns:i="https://www.w3.org/2001/XMLSchema-instance" xmlns="https://schemas.datacontract.org/2004/07/RSAM_Web_API.Models"&gt; &lt;CanCallAPI&gt;sample string 7&lt;/CanCallAPI&gt; &lt;GroupDescription&gt;sample string 2&lt;/GroupDescription&gt; &lt;GroupLDAPDomainRSAMID&gt;sample string 5&lt;/GroupLDAPDomainRSAMID&gt; &lt;GroupLDAPID&gt;sample string 4&lt;/GroupLDAPID&gt; &lt;GroupName&gt;sample string 1&lt;/GroupName&gt; &lt;IsAssignedByAdmin&gt;sample string 6&lt;/IsAssignedByAdmin&gt; &lt;IsLDAPGroup&gt;sample string 3&lt;/IsLDAPGroup&gt; &lt;/CreateGroupRequest&gt;</pre>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>{ "ErrorCode": "405", "ErrorMessage": "Group already exists" }</pre> <p><b>In XML</b></p> <pre>&lt;ErrorResponse xmlns:i="https://www.w3.org/2001/XMLSchema-</pre>



Item	Description/Format
	instance" xmlns="https://schemas.datacontract.org/2004/07/RSAM_Web_API.Models"><ErrorCode>0</ErrorCode><ErrorMessage>Successful created a newgroup</ErrorMessage></ErrorResponse>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to create new groups
<b>HttpStatusCode.OK</b>	200	If the validation is successful
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{\"GroupName\": \"APiGroup\", \"GroupDescription\": \"API group
Description\", \"IsLDAPGroup\": \"\", \"GroupLDAPID\": \"\", \"GroupLDAPDomainRSAMID\":
\", \"IsAssignedByAdmin\": \"1\", \"CanCallAPI\": \"1\"}"
Dim oRequest As HttpWebRequest

Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"

If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
    
```

## Update Group

This API allows a user with the appropriate privileges to update the details of a group.

The following table explains the details of the procedure.

Item	Description/Format
<b>URI</b>	api/Group?APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/Group?APIKey={APIKey}
<b>Http Method</b>	PUT
<b>Request Data</b>	<b>In JSON</b> <pre>{   "GroupId": 1,   "GroupName": "sample string 2",   "GroupDescription": "sample string 3",   "IsLDAPGroup": "sample string 4",   "GroupLDAPID": "sample string 5",   "GroupLDAPDomainRSAMID": "sample string 6",   "IsAssignedByAdmin": "sample string 7",   "CanCallAPI": "sample string 8" }</pre>
	<b>In XML</b> <pre>&lt;UpdateGroupRequest xmlns:i="https://www.w3.org/2001/XMLSchema-instance" xmlns="https://schemas.datacontract.org/2004/07/RSAM_Web_API.Models"&gt;   &lt;CanCallAPI&gt;sample string 8&lt;/CanCallAPI&gt;   &lt;GroupDescription&gt;sample string 3&lt;/GroupDescription&gt;   &lt;GroupId&gt;1&lt;/GroupId&gt;   &lt;GroupLDAPDomainRSAMID&gt;sample string 6&lt;/GroupLDAPDomainRSAMID&gt;   &lt;GroupLDAPID&gt;sample string 5&lt;/GroupLDAPID&gt;   &lt;GroupName&gt;sample string 2&lt;/GroupName&gt;   &lt;IsAssignedByAdmin&gt;sample string 7&lt;/IsAssignedByAdmin&gt;   &lt;IsLDAPGroup&gt;sample string 4&lt;/IsLDAPGroup&gt; &lt;/UpdateGroupRequest&gt;</pre>
<b>Response Data</b>	<b>In JSON</b> <pre>{   "ErrorCode": "0",   "ErrorMessage": "Successfully updated the group, 1075" }</pre>
	<b>In XML</b> <pre>&lt;ErrorResponse xmlns:i="https://www.w3.org/2001/XMLSchema-instance" xmlns="https://schemas.datacontract.org/2004/07/RSAM_Web_API.Models" &gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt; Successfully updated the group,1075&lt;/ErrorMessage&gt;&lt;/ErrorResponse&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to update the group data
<b>HttpStatusCode.OK</b>	200	If the validation is successful
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

```

Dim sData As String = String.Empty

'Construct the data
sData = "{"GroupID": "1075","GroupName": "API Group","GroupDescription":"","IsLDAPGroup":
"","GroupLDAPID": "","GroupLDAPDomainRSAMID": "","IsAssignedByAdmin":"0","CanCallAPI": "1"}"

Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "PUT"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
    
```

## Delete Group

This API allows a user with the appropriate privileges to delete a group.

The following table explains the details of the procedure.

Item	Description/Format
<b>URI</b>	api/Group?GROUP_ID={GROUP_ID}&APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/API/Group?GROUP_ID=38&apikey=f16701b1-cbba-464d-98d8-9d3f12b3a992"
<b>Http Method</b>	DELETE
<b>Request Data</b>	<i>https://host/APIappName/API/Group?GROUP_ID=38&amp;apikey=f16701b1-cbba-464d-98d8-9d3f12b3a992"</i>
<b>Response Data</b>	<b>In JSON</b>

Item	Description/Format
	<pre>{   "ErrorCode": "0",   "ErrorMessage": "Successfully deleted the group, 1074" }</pre>
	<p><b>In XML</b></p> <pre>&lt;ErrorResponse xmlns:i="https://www.w3.org/2001/XMLSchema-instance" xmlns="https://schemas.datacontract.org/2004/07/RSAM_Web_API.Models" &gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt; Successfully deleted the group,1074&lt;/ErrorMessage&gt;&lt;/ErrorResponse&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to delete the group
<b>HttpStatusCode.OK</b>	200	If the validation is successful
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

```
Dim sData As String = String.Empty

'Construct the data
sData = "GROUP_ID=" & i_sGroupId & "&apikey=" & m_sAPIKey

Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "DELETE"

oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

# User Groups Management

User Groups module in Rsam helps you to manage user groups. Use the commands in the following section to add, update, delete users to/from groups and also to retrieve user groups.

## Get User Groups

This API allows a user with appropriate privileges to retrieve the list of user groups matching the given data.

The following table explains the details of the procedure.

Item	Description/Format
<b>URI</b>	api/UserGroup?APIKey={APIKey}&SEARCH_USER_ID={SEARCH_USER_ID}&AGRP_ID={AGRP_ID}
<b>URL Structure</b>	https://host/APIappName/API/UserGroup?SEARCH_USER_ID=apiuser&AGRP_ID=38 &APIKey=f16701b1-cbba-464d-98d8-9d3f12b3a992"
<b>Http Method</b>	GET /User
<b>Request Data</b>	<i>https://host/APIappName/API/UserGroup?SEARCH_USER_ID=apiuser&amp;AGRP_ID=38 &amp;APIKey=f16701b1-cbba-464d-98d8-9d3f12b3a992"</i>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>[ { "AGRP_USER_ID":1632, "AGRP_ID_R":38, "USER_ID_R":"APiUser2", "AGRP_USER_RSAM_ID":"RSAM01-00001632-7AE12E1B508C4C469C0284DA3166D9BE" }, { "AGRP_USER_ID":2628, "AGRP_ID_R":38, "USER_ID_R":"ApiUser", "AGRP_USER_RSAM_ID":"RSAM01-00002628-749FC5900C6745139789E5E81B85BA91" }, { "AGRP_USER_ID":9652, "AGRP_ID_R":38, "USER_ID_R":"apiuser", "AGRP_USER_RSAM_ID":"RSAM01-00009652-09627EF8B00D45E596A192B878F3F568" } ]</pre> <p><b>In XML</b></p> <pre>&lt;ArrayOfUSER_GROUP xmlns:i="https://www.w3.org/2001/XMLSchema-instance"xmlns="https://schemas.datacontract.org/2004/07/RSAM.Entities"&gt;&lt;USER_GROUP&gt;&lt;AGRP_ID_R&gt;38&lt;/AGRP_ID_R&gt;&lt;AGRP_USER_ID&gt;1632&lt;/AGRP_USER_ID&gt;&lt;AGRP_USER_RSAM_ID&gt;RSAM01-00001632-</pre>

Item	Description/Format
	7AE12E1B508C4C469C0284DA3166D9BE</AGRP_USER_RSAM_ID><USER_ID_R>ApiUser2</USER_ID_R></USER_GROUP><USER_GROUP><AGRP_ID_R>38</AGRP_ID_R><AGRP_USER_ID>2628</AGRP_USER_ID><AGRP_USER_RSAM_ID>RSAM01-00002628-749FC5900C6745139789E5E81B85BA91</AGRP_USER_RSAM_ID><USER_ID_R>ApiUser</USER_ID_R></USER_GROUP><USER_GROUP><AGRP_ID_R>38</AGRP_ID_R><AGRP_USER_ID>9652</AGRP_USER_ID><AGRP_USER_RSAM_ID>RSAM01-00009652-09627EF8B00D45E596A192B878F3F5668</AGRP_USER_RSAM_ID><USER_ID_R>apiuser</USER_ID_R></USER_GROUP></ArrayOfUSER_GROUP>

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to view the user details
<b>HttpStatusCode.OK</b>	200	If the get operation is successful
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

#### Example in vb.net

```
Dim sUrl As String
sUrl="https://host/APIappName/API/UserGroup?SEARCH_USER_ID=apiuser&AGRP_ID=38&APIKey=f16701b1-cbba-464d-98d8-9d3f12b3a992"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()

Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using

Return sReturnValue
```

### Get Users and Groups

This API allows a user with the appropriate privileges to retrieve users / user groups matching the given data based on the requirement:

- Retrieve all users of a group (with matching group ID)
- Retrieve all groups of a user (with matching user ID)
- Retrieve groups of a user (with matching group and user ID)

The following table explains the details of the procedure.

Item	Description/Format
URI	<b><i>Get all users of a group</i></b> api/UserGroup?AGRP_ID={AGRP_ID}&APIKey={APIKey}
	<b><i>Get all groups of a user</i></b> api/UserGroup?SEARCH_USER_ID={SEARCH_USER_ID}&APIKey={APIKey}
	<b><i>Get groups using user ID and group ID</i></b> api/UserGroup?SEARCH_USER_ID={SEARCH_USER_ID}&AGRP_ID={AGRP_ID}&APIKey={APIKey}
URL Structure	<b><i>Get all users of a group</i></b> https://host/APIappName/api/UserGroup?AGRP_ID={AGRP_ID}&APIKey={APIKey}
	<b><i>Get all groups of a user</i></b> https://host/APIappName/api/UserGroup?SEARCH_USER_ID={SEARCH_USER_ID}&APIKey={APIKey}
	<b><i>Get groups using user ID and group ID</i></b> https://host/APIappName/api/UserGroup?SEARCH_USER_ID={SEARCH_USER_ID}&AGRP_ID={AGRP_ID}&APIKey={APIKey}
Http Method	GET /UserGroup
Request Data	<b><i>Get all users of a group</i></b> http://host/APIappName/API/UserGroup?AGRP_ID=74&APIKey=f411ab24-c1ce-4e9f-aefa-ea5799a66fc1
	<b><i>Get all groups of a user</i></b> http://host/APIappName/API/UserGroup?SEARCH_USER_ID=r_finding_manager&APIKey=f411ab24-c1ce-4e9f-aefa-ea5799a66fc1
	<b><i>Get groups using user ID and group ID</i></b> http://host/APIappName/API/UserGroup?SEARCH_USER_ID=r_finding_manager&AGRP_ID=64&APIKey=f411ab24-c1ce-4e9f-aefa-ea5799a66fc1
Response Data	<b><i>Get all users of a group</i></b> <b>In JSON</b> { "AGRP_USER_ID": 2616, "AGRP_ID_R": 74, "USER_ID_R": "r_assessment_manager", "AGRP_USER_RSAM_ID": "RSAMA3-00005843-2B80FE4645EA40A6A7A73BEC19ECA305" }, { "AGRP_USER_ID": 2900, "AGRP_ID_R": 74, "USER_ID_R": "r_assessment_manager2", "AGRP_USER_RSAM_ID": "RSAMA3-00005845-321B43D65C7346209E915943948269ED" }, { "AGRP_USER_ID": 2901,

Item	Description/Format
	<p>"AGRP_ID_R": 74, "USER_ID_R": "r_assessment_manager3",                      "AGRP_USER_RSAM_ID": "RSAMA3-00005846-7D5DC2A47A044A8A8E708CD6310E68B4" }, { "AGRP_USER_ID": 2902,                      "AGRP_ID_R": 74, "USER_ID_R": "r_assessment_manager4",                      "AGRP_USER_RSAM_ID": "RSAMA3-00005847-DFE48BBB3388422598B0FA0032F3C91F" }, { "AGRP_USER_ID": 2903,                      "AGRP_ID_R": 74, "USER_ID_R": "r_assessment_manager5",                      "AGRP_USER_RSAM_ID": "RSAMA3-00005848-1BD884028CED4B92BCEA79AC0C89F52B" }, { "AGRP_USER_ID": 4181,                      "AGRP_ID_R": 74, "USER_ID_R": "r_assessment_control_review_manager",                      "AGRP_USER_RSAM_ID": "RSAMR6-00004181-08DCC5F8A1AA4BEA9DDB40A3756656E8" } }</p> <p><b>In XML</b></p> <pre>&lt;root&gt; &lt;AGRP_USER_ID&gt;2616&lt;/AGRP_USER_ID&gt; &lt;AGRP_ID_R&gt;74&lt;/AGRP_ID_R&gt; &lt;USER_ID_R&gt;r_assessment_manager&lt;/USER_ID_R&gt; &lt;AGRP_USER_RSAM_ID&gt;RSAMA3-00005843-2B80FE4645EA40A6A7A73BEC19ECA305&lt;/AGRP_USER_RSAM_ID&gt; &lt;AGRP_USER_ID&gt;2900&lt;/AGRP_USER_ID&gt; &lt;AGRP_ID_R&gt;74&lt;/AGRP_ID_R&gt; &lt;USER_ID_R&gt;r_assessment_manager2&lt;/USER_ID_R&gt; &lt;AGRP_USER_RSAM_ID&gt;RSAMA3-00005845-321B43D65C7346209E915943948269ED&lt;/AGRP_USER_RSAM_ID&gt; &lt;AGRP_USER_ID&gt;2901&lt;/AGRP_USER_ID&gt; &lt;AGRP_ID_R&gt;74&lt;/AGRP_ID_R&gt; &lt;USER_ID_R&gt;r_assessment_manager3&lt;/USER_ID_R&gt; &lt;AGRP_USER_RSAM_ID&gt;RSAMA3-00005846-7D5DC2A47A044A8A8E708CD6310E68B4&lt;/AGRP_USER_RSAM_ID&gt; &lt;AGRP_USER_ID&gt;2902&lt;/AGRP_USER_ID&gt; &lt;AGRP_ID_R&gt;74&lt;/AGRP_ID_R&gt; &lt;USER_ID_R&gt;r_assessment_manager4&lt;/USER_ID_R&gt; &lt;AGRP_USER_RSAM_ID&gt;RSAMA3-00005847-DFE48BBB3388422598B0FA0032F3C91F&lt;/AGRP_USER_RSAM_ID&gt; &lt;AGRP_USER_ID&gt;2903&lt;/AGRP_USER_ID&gt; &lt;AGRP_ID_R&gt;74&lt;/AGRP_ID_R&gt; &lt;USER_ID_R&gt;r_assessment_manager5&lt;/USER_ID_R&gt; &lt;AGRP_USER_RSAM_ID&gt;RSAMA3-00005848-1BD884028CED4B92BCEA79AC0C89F52B&lt;/AGRP_USER_RSAM_ID&gt; &lt;AGRP_USER_ID&gt;4181&lt;/AGRP_USER_ID&gt; &lt;AGRP_ID_R&gt;74&lt;/AGRP_ID_R&gt; &lt;USER_ID_R&gt;r_assessment_control_review_manager&lt;/USER_ID_R&gt; &lt;AGRP_USER_RSAM_ID&gt;RSAMR6-00004181-08DCC5F8A1AA4BEA9DDB40A3756656E8&lt;/AGRP_USER_RSAM_ID&gt; &lt;/root&gt;</pre>
	<p><b>Get all groups of a user</b></p> <p><b>In JSON</b></p> <pre>{ "AGRP_USER_ID": 2584, "AGRP_ID_R": 64, "USER_ID_R": "r_finding_manager", "AGRP_USER_RSAM_ID": "RSAMA3-00005754- ECE07925856840A196A1F773CBE4F218" }, { "AGRP_USER_ID": 3910, "AGRP_ID_R": 38, "USER_ID_R": "r_finding_manager", "AGRP_USER_RSAM_ID": "RSAMR6-00003910-8C1A4E4CB9DF451F8AB4B2638BA68699" }</pre> <p><b>In XML</b></p> <pre>&lt;root&gt; &lt;0&gt; &lt;AGRP_USER_ID&gt;2584&lt;/AGRP_USER_ID&gt; &lt;AGRP_ID_R&gt;64&lt;/AGRP_ID_R&gt; &lt;USER_ID_R&gt;r_finding_manager&lt;/USER_ID_R&gt; &lt;AGRP_USER_RSAM_ID&gt;RSAMA3-00005754- ECE07925856840A196A1F773CBE4F218&lt;/AGRP_USER_RSAM_ID&gt; &lt;/0&gt; &lt;1&gt; &lt;AGRP_USER_ID&gt;3910&lt;/AGRP_USER_ID&gt; &lt;AGRP_ID_R&gt;38&lt;/AGRP_ID_R&gt; &lt;USER_ID_R&gt;r_finding_manager&lt;/USER_ID_R&gt; &lt;AGRP_USER_RSAM_ID&gt;RSAMR6- 00003910-8C1A4E4CB9DF451F8AB4B2638BA68699&lt;/AGRP_USER_RSAM_ID&gt; &lt;/1&gt;</pre>



Item	Description/Format
	<pre>&lt;/root&gt;</pre>
	<p><b>Get groups using user ID and group ID</b></p> <p><b>In JSON</b></p> <pre>{   "AGRP_USER_ID": 2584,   "AGRP_ID_R": 64,   "USER_ID_R": "r_finding_manager",   "AGRP_USER_RSAM_ID": "RSAMA3-00005754- ECE07925856840A196A1F773CBE4F218" }</pre> <p><b>In XML</b></p> <pre>&lt;root&gt; &lt;AGRP_USER_ID&gt;2584&lt;/AGRP_USER_ID&gt; &lt;AGRP_ID_R&gt;64&lt;/AGRP_ID_R&gt; &lt;USER_ID_R&gt;r_finding_manager&lt;/USER_ID_R&gt; &lt;AGRP_USER_RSAM_ID&gt;RSAMA3- 00005754-ECE07925856840A196A1F773CBE4F218&lt;/AGRP_USER_RSAM_ID&gt; &lt;/root&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to view the user details
<b>HttpStatusCode.OK</b>	200	If the get operation is success
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

#### Get all users of a group

```
Dim sUrl As String
sUrl="https://host/APIappName/API/UserGroup?AGRP_ID=74&APIKey=f411ab24-clce-4e9f-aefa-
ea5799a66fc1"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()

Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using

Return sReturnValue
```

#### Get all groups of a user

```
Dim sUrl As String
sUrl="https://host/APIappName/API/UserGroup?AGRP_ID=64&APIKey=f411ab24-clce-4e9f-aefa-
ea5799a66fc1"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()

Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
```

```
Return sReturnValue
```

### Get groups using user ID and group ID

```
Dim sUrl As String
sUrl="https://host/APIappName/API/UserGroup?SEARCH_USER_ID=r_finding_manager&AGRP_ID=64APIKey=f411ab24-clce-4e9f-aeefa-ea5799a66fc1"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()

Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using

Return sReturnValue
```

## Create User Group

This API allows a user with the appropriate privileges to create a new user group. The following table explains the details of the procedure.

Item	Description/Format
<b>URI</b>	api/UserGroup?APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/UserGroup?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<b>In JSON</b> <pre>{   "SearchUserRSAMId": "sample string 1",   "GroupRSAMId": "sample string 2" }</pre>
	<b>In XML</b> <pre>&lt;CreateUserGroupRequest xmlns:i="https://www.w3.org/2001/XMLSchema-instance"   xmlns="https://schemas.datacontract.org/2004/07/RSAM_Web_API.Models"&gt;&lt;GroupRSAMId&gt;sample string 2&lt;/GroupRSAMId&gt;&lt;SearchUserRSAMId&gt;sample string 1&lt;/SearchUserRSAMId&gt;&lt;/CreateUserGroupRequest&gt;</pre>
<b>Response Data</b>	<b>In JSON</b> <pre>{   "ErrorCode": "0",   "ErrorMessage": "Successfully added user, ApiUser to the group,group name updated" }</pre>

Item	Description/Format
	<p><b>In XML</b></p> <pre>&lt;ErrorResponse xmlns:i="https://www.w3.org/2001/XMLSchema-instance" xmlns="https://schemas.datacontract.org/2004/07/RSAM_Web_API.Models"&gt;&lt;Error orCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Successfully added user, ApiUser to the group, group name updated&lt;/ErrorMessage&gt;&lt;/ErrorResponse&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to create new user groups
<b>HttpStatusCode.OK</b>	200	If the get operation is successful
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

#### Add user to a group using Rsam ID

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = "{\"GroupRSAMId\": \"RSAM01-00001074-
A539B5280DD24335BEAEF6298130FA9E\", \"SearchUserRSAMId\": \"RSAM01-00002171-
1CF4A0D1387E4AF7A2A93B9E9A5192E1\"}"

Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"

If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

## Add Users to User Groups

This API allows a user with the appropriate privileges to add a user to a user group using one of the following two methods:

- Using Rsam ID of the user and the user group
- Using user ID and group name

The following table explains the details of the procedure.

Item	Description/Format
<b>URI</b>	<b>Add user to a group using Rsam ID</b> api/User?APIKey={APIKey}
	<b>Add user to a group using group name</b> api/UserGroupByName?APIKey={APIKey}
<b>URL Structure</b>	<b>Add user to a group using Rsam ID</b> https://host/APIappName/api/User?APIKey={APIKey}
	<b>Add user to a group using group name</b> https://host/APIappName/api/UserGroupByName?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<b>Add user to a group using Rsam ID</b>
	<b>In JSON</b>
	<pre>{ "SearchUserRSAMId": "RSAMR6-00001684-E3BECFEFDFB643C4BCEC299DE4DEF741", "GroupRSAMId": "RSAM01-00000045-EF10B2E13B4A4113BFD03F757C25221F" }</pre>
	<b>In XML</b>
	<pre>&lt;root&gt; &lt;SearchUserRSAMId&gt;RSAMR6-00001684-E3BECFEFDFB643C4BCEC299DE4DEF741&lt;SearchUserRSAMId&gt; &lt;GroupRSAMId&gt;RSAM01-00000045-EF10B2E13B4A4113BFD03F757C25221F&lt;GroupRSAMId&gt;&lt;/root&gt;</pre>
	<b>Add user to a group using group name</b>
	<b>In JSON</b>
	<pre>{ "UserId": "r_admin", "GroupName": "Audit Reviewers" }</pre>
	<b>In XML</b>
	<pre>&lt;root&gt;&lt;UserId&gt;r_admin&lt;/UserId&gt; &lt;GroupName&gt;Audit Reviewers&lt;/GroupName&gt; &lt;/root&gt;</pre>

Item	Description/Format
Response Data	<b>Add user to a group using Rsam ID</b> <b>In JSON</b> <pre>{ "SearchUserRSAMId": "RSAMR6-00001684-E3BECFEFDFB643C4BCEC299DE4DEF741", "GroupRSAMId": "RSAM01-00000045-EF10B2E13B4A4113BFD03F757C25221F" }</pre>
	<b>In XML</b> <pre>&lt;root&gt; &lt;SearchUserRSAMId&gt;RSAMR6-00001684-E3BECFEFDFB643C4BCEC299DE4DEF741&lt;/SearchUserRSAMId&gt; &lt;GroupRSAMId&gt;RSAM01-00000045-EF10B2E13B4A4113BFD03F757C25221F&lt;/GroupRSAMId&gt; &lt;/root&gt;</pre>
	<b>Add user to a group using group name</b> <b>In JSON</b> <pre>{ "ErrorCode": "0", "ErrorMessage": "Successfully added user, r_admin to the group, Audit Reviewers" }</pre>
	<b>In XML</b> <pre>&lt;root&gt; &lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;Successfully added user, r_admin to the group, Audit Reviewers&lt;/ErrorMessage&gt; &lt;/root&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to add users
<b>HttpStatusCode.OK</b>	200	If the get operation is success
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

#### Add user to a group using Rsam ID

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = "{ "SearchUserRSAMId": "RSAMR6-00001684-E3BECFEFDFB643C4BCEC299DE4DEF741",
"GroupRSAMId": "RSAM01-00000045-EF10B2E13B4A4113BFD03F757C25221F" }"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
```

```
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

### Add user to a group using group name

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = "{\"UserId\": \"r_admin\", \"GroupName\": \"Audit Reviewers\"}"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

### Remove Users from User Groups

This API allows a user with the appropriate privileges to remove a user from a user group.

The following table explains the details of the procedure.

Item	Description/Format
URI	<b>Remove user from user group [Deprecated]</b> api/UserGroup?DELETE_USER_RSAM_ID={DELETE_USER_RSAM_ID}&AGRP_RSAM_ID={AGRP_RSAM_ID}&APIKey={APIKey}
	<b>Remove user from user group with DeleteUserGroup</b> api/UserGroup/DeleteUserGroup?DELETE_USER_RSAM_ID={DELETE_USER_RSAM_ID}&AGRP_RSAM_ID={AGRP_RSAM_ID}&APIKey={APIKey}
URL Structure	<b>Remove user from user group [Deprecated]</b> https://host/APIappName/api/UserGroup?DELETE_USER_RSAM_ID={DELETE_USER_RSAM_ID}&AGRP_RSAM_ID={AGRP_RSAM_ID}&APIKey={APIKey}

Item	Description/Format
	<p><b>Remove user from user group with DeleteUserGroup</b></p> <p>https://host/APIappName/api/UserGroup/DeleteUserGroup?DELETE_USER_RSAM_ID={DELETE_USER_RSAM_ID}&amp;AGRP_RSAM_ID={AGRP_RSAM_ID}&amp;APIKey={APIKey}</p>
<b>Http Method</b>	DELETE
<b>Request Data</b>	<p><b>Remove user from user group</b></p> <p>https://host/APIappName/api/UserGroup?DELETE_USER_RSAM_ID=RSAMR6-00001684-E3BECFEFDFB643C4BCEC299DE4DEF741&amp;AGRP_RSAM_ID=RSAM01-00000045-EF10B2E13B4A4113BFD03F757C25221F&amp;APIKey=f411ab24-c1ce-4e9f-aefa-ea5799a66fc1</p>
	<p><b>Remove user from user group with DeleteUserGroup</b></p> <p>https://host/APIappName/api/UserGroup/DeleteUserGroup?DELETE_USER_RSAM_ID=RSAMA3-00003719-633A85E1528049FCAD0B410A1273F718&amp;AGRP_RSAM_ID=RSAMR6-00000074-715477EBE80D44B9B1D7CD1CB3558C36&amp;APIKey=f411ab24-c1ce-4e9f-aefa-ea5799a66fc1</p>
<b>Response Data</b>	<p><b>Remove user from user group</b></p> <p><b>In JSON</b></p> <pre>{   "Results":   {     "Info":     {       "ErrorCode": "0",       "ErrorMessage": "Successful."     }   } }</pre>
	<p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Successful&lt;/ErrorMe ssage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>
	<p><b>Remove user from user group with DeleteUserGroup</b></p> <p><b>In JSON</b></p> <pre>{   "Results":   {     "Info":     {       "ErrorCode": "0",       "ErrorMessage": "Successful."     }   } }</pre>
	<p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Successful&lt;/ErrorMe ssage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to remove the user
<b>HttpStatusCode.OK</b>	200	If the validation is success
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed

### Example in vb.net

#### *Remove user from user group and Remove user from user group with DeleteUserGroup*

```
Dim sData As String = String.Empty

'Construct the data
sData = "DELETE_USER_RSAM_ID=" & User_Rsam_ID & "&AGRP_RSAM_ID=" & AGRP_Rsam_ID & "&apikey="
& APIKey

Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "DELETE"

oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```



# Object Management

Object Management module in Rsam helps to add and manage objects. Use the commands in the following section to add, update, delete, and locate objects.

## Get Object

This API allows the user to get the details of an object by passing in an identifier. You may also get the ID of an object by executing a search through the API.

This table explains the details for the Get Object procedure.

Item	Description/Format
URL	<p><b>By Object ID</b></p> <p>api/Object?OBJ_ID={OBJ_ID}&amp;APIKey={APIKey}</p>
	<p><b>By Entity Name</b></p> <p>api/Object?ENTITY_NAME={ENTITY_NAME}&amp;APIKey={APIKey}</p>
	<p><b>By Subentity Name</b></p> <p>api/Object?SUB_ENTITY_NAME={SUB_ENTITY_NAME}&amp;APIKey={APIKey}</p>
	<p><b>By Workflow State</b></p> <p>api/Object?WF_STATE={WF_STATE}&amp;APIKey={APIKey}</p>
	<p><b>By Attribute Response</b></p> <p>api/Object?ATTR_TYPE_RSAM_ID={ATTR_TYPE_RSAM_ID}&amp;ATTR_RESPONSE={ATTR_RESPONSE}&amp;APIKey={APIKey}</p>
	<p><b>By Control Response</b></p> <p>api/Object?CTRL_RESPONSE={CTRL_RESPONSE}&amp;APIKey={APIKey}</p>
	<p><b>By Criticality Factor Response</b></p> <p>api/Object?CRIT_FACTOR_RESPONSE={CRIT_FACTOR_RESPONSE}&amp;APIKey={APIKey}</p>
URL Structure	<p><b>By Object ID</b></p> <p>https://host/APIappName/api/Object?OBJ_ID={OBJ_ID}&amp;APIKey={APIKey}</p>
	<p><b>By Entity Name</b></p> <p>https://host/APIappName/api/Object?ENTITY_NAME={ENTITY_NAME}&amp;APIKey={APIKey}</p>
	<p><b>By Subentity Name</b></p> <p>https://host/APIappName/api/Object?SUB_ENTITY_NAME={SUB_ENTITY_NAME}&amp;APIKey={APIKey}</p>

Item	Description/Format
	<p><b>By Workflow</b>  <i>State</i>https://host/APIappName/api/Object?WF_STATE={WF_STATE}&amp;APIKey={APIKey}</p>
	<p><b>By Attribute Response</b>  https://host/APIappName/api/Object?ATTR_TYPE_RSAM_ID={ATTR_TYPE_RSAM_ID}&amp;ATTR_RESPONSE={ATTR_RESPONSE}&amp;APIKey={APIKey}</p>
	<p><b>By Control</b>  <i>Response</i>https://host/APIappName/api/Object?CTRL_RESPONSE={CTRL_RESPONSE}&amp;APIKey={APIKey}</p>
	<p><b>By Criticality Factor</b>  <i>Response</i>https://host/APIappName/api/Object?CRIT_FACTOR_RESPONSE={CRIT_FACTOR_RESPONSE}&amp;APIKey={APIKey}</p>
<b>Http Method</b>	GET /Object
<b>Request Data</b>	https://host/APIappName/API/Object?OBJ_ID=15210&apikey=0a11cd5d-8259-419d-aa07-8ceaeb12d440
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>[{   "OBJ_ID":15210,   "OBJ_NAME":"venkiPertest",   "OBJ_DESC":null,   "OBJTYPE_ID_R":368,   "OBJ_GROUP_R":290,   "OBJ_INOTES":null,   "OBJ_RNOTES":null,   "OBJ_AUDITCOMP":null,   "OBJ_REVIEWCOMP":null,   "OBJ_LOCKED":null,   "OBJ_TARGETFACTOR":null,   "OBJ_DOE":"2014-07-22T13:37:00",   "OBJ_DOA":null,   "OBJ_DOR":null,   "OBJ_EB":"example_admin",   "OBJ_AB":null,   "OBJ_RB":null,   "OBJ_PDATE":null,   "OBJ_PVALUE":null,   "OBJ_YMVALUE":null,   "OBJ_DOU":null,   "OBJ_UB":null,   "OBJ_GROUP_LINK":null,   "OBJ_ASPECT_LINK":15210,   "OBJ_CYCLE_DATE":null,   "OBJ_WF_STATE_ID_R":67,   "OBJ_RSAM_ID":"RSAM01-00015210-32E1D9F62AD340E4ADD35222B1572891" }]</pre>

Item	Description/Format
	<p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt; ErrorMessage&gt;Success&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;ArrayOfOBJECTS xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;OBJECTS&gt;&lt;OBJ_ID&gt;15210&lt;/O BJ_ID&gt;&lt;OBJ_NAME&gt;venkiPertest&lt;/OBJ_NAME&gt;&lt;OBJTYPE_ID_R&gt;368&lt;/OBJTYPE_ID_R&gt; &lt;OBJ_GROUP_R&gt;290&lt;/OBJ_GROUP_R&gt;&lt;OBJ_AUDITCOMP xsi:nil="true" /&gt;&lt;OBJ_REVIEWCOMP xsi:nil="true" /&gt;&lt;OBJ_LOCKED xsi:nil="true" /&gt;&lt;OBJ_TARGETFACTOR xsi:nil="true" /&gt;&lt;OBJ_DOE&gt;2014-07- 22T13:37:00&lt;/OBJ_DOE&gt;&lt;OBJ_DOA xsi:nil="true" /&gt;&lt;OBJ_DOR xsi:nil="true" /&gt;&lt;OBJ_EB&gt;example_admin&lt;/OBJ_EB&gt;&lt;OBJ_PDATE xsi:nil="true" /&gt;&lt;OBJ_PVALUE xsi:nil="true" /&gt;&lt;OBJ_YMVALUE xsi:nil="true" /&gt;&lt;OBJ_DOU xsi:nil="true" /&gt;&lt;OBJ_GROUP_LINK xsi:nil="true" /&gt;&lt;OBJ_ASPECT_LINK&gt;15210&lt;/OBJ_ASPECT_LINK&gt;&lt;OBJ_CYCLE_DATE xsi:nil="true" /&gt;&lt;OBJ_WF_STATE_ID_R&gt;67&lt;/OBJ_WF_STATE_ID_R&gt;&lt;OBJ_RSAM_ID&gt;RSAM01- 00015210- 32E1D9F62AD340E4ADD35222B1572891&lt;/OBJ_RSAM_ID&gt;&lt;/OBJECTS&gt;&lt;/ArrayOfOBJECT S&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to view the object details.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sUrl As String
sUrl="https://host/APIappName/API/Object?OBJ_ID=15210&apikey=0a11cd5d-8259-419d-aa07-
8ceaeb12d440"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

## Create Object

This API allows a user with appropriate privileges to create a new object.

This table explains the details for the Create Object procedure.

Item	Description/Format
<b>URI</b>	api/Object?APIKey={APIKey}
<b>URL Structure</b>	https://host/api/Object?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<b>In JSON</b> <pre>{   "ObjectName": "sample string 1",   "ObjectTypeId": 2,   "WFStateId": 3,   "ObjectAspectLink": 4,   "SubEntityName": "sample string 5" }</pre>
	<b>In XML</b> <pre>&lt;CreateObjectRequest xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;   &lt;ObjectName&gt;sample string 1&lt;/ObjectName&gt;   &lt;ObjectTypeId&gt;2&lt;/ObjectTypeId&gt;   &lt;WFStateId&gt;3&lt;/WFStateId&gt;   &lt;ObjectAspectLink&gt;4&lt;/ObjectAspectLink&gt;   &lt;SubEntityName&gt;sample string 5&lt;/SubEntityName&gt; &lt;/CreateObjectRequest&gt;</pre>
<b>Response Data</b>	<b>In JSON</b> <pre>{   "Results":   {     "Info":     {       "ErrorCode": "0",       "ErrorMessage": "Object, 16216 created successfully"     }   } }</pre>
	<b>In XML</b> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Object, 16217 created successfully&lt;/ErrorMessage&gt;&lt;New_Id&gt;16217&lt;/New_Id&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create new objects.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{\"ObjectName\": \"testing object creation\", \"ObjectTypeid\": \"78\", \"WFStateId\": \"52\", \"ObjectAspectLink\": \"\", \"SubEntityName\": \"Assessments\" }"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
    
```

## Update Object

This API allows a user with the appropriate privileges to update the details of an object.

This table explains the details for the Update Object procedure.

Item	Description/Format
<b>URI</b>	api/Object?APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/Object?APIKey={APIKey}
<b>Http Method</b>	PUT
<b>Request Data</b>	<b>In JSON</b> <pre>{   "ObjectId": 1,   "ObjectName": "sample string 2",   "WFStateId": 1,   "ObjectAspectLink": 1,</pre>

Item	Description/Format
	<pre data-bbox="418 289 889 415">"SubEntityName": "sample string 3", "ObjectLocked": 1, "ObjectTypeId": 1 }</pre> <p data-bbox="418 436 516 466"><b>In XML</b></p> <pre data-bbox="418 487 1393 861">&lt;UpdateObjectRequest xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt; &lt;ObjectId&gt;1&lt;/ObjectId&gt; &lt;ObjectName&gt;sample string 2&lt;/ObjectName&gt; &lt;WFStateId&gt;1&lt;/WFStateId&gt; &lt;ObjectAspectLink&gt;1&lt;/ObjectAspectLink&gt; &lt;SubEntityName&gt;sample string 3&lt;/SubEntityName&gt; &lt;ObjectLocked&gt;1&lt;/ObjectLocked&gt; &lt;ObjectTypeId&gt;1&lt;/ObjectTypeId&gt; &lt;/UpdateObjectRequest&gt; "ObjectTypeId": 1 }</pre>
<b>Response Data</b>	<p data-bbox="418 894 532 924"><b>In JSON</b></p> <pre data-bbox="418 945 1295 1201">{ "Results": { "Info":{ "ErrorCode":"0", "ErrorMessage":"Object, testing object creation2 updated successfully" } } }</pre> <p data-bbox="418 1234 516 1264"><b>In XML</b></p> <pre data-bbox="418 1285 1485 1346">&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Object, testing object creation2 updated successfully&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to update object details.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

## Example in vb.net

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{"ObjectId": "16217","ObjectName": "testing object creation2","WFStateId":
"61","ObjectAspectLink": "", "SubEntityName": "Assessments", "ObjectLocked":
"False", "ObjectTypeId": "78" }"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "PUT"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try

```

## Delete Object

This API allows a user with the appropriate privileges to delete an object.

This table explains the details for the Delete Object procedure.

Item	Description/Format
<b>URI</b>	api/Object?OBJ_ID={OBJ_ID}&APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/Object?OBJ_ID={OBJ_ID}&APIKey={APIKey}
<b>Http Method</b>	DELETE
<b>Request Data</b>	<i>https://host/APIappName/API/Object?OBJ_ID=16217&amp;apikey=0a11cd5d-8259-419d-aa07-8ceaeb12d440</i>
<b>Response Data</b>	<b>In JSON</b> <pre>{ "ErrorCode": "Success", "ErrorMessage": "Object deleted successfully", "ObjectId": "0" }</pre>
	<b>In XML</b> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Object deleted successfully&lt;/ErrorMessage&gt;&lt;New_Id&gt;0&lt;/New_Id&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to delete the object.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sData As String = String.Empty
'Construct the data
sData = "OBJ_ID=" & m_iObjectIdToDelete & "&apikey=" & m_sAPIKey
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "DELETE"
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```



# Object Attributes

Object Attributes are the attributes defined for use with Objects. Use the commands in the following section to add, update, and delete object attribute values.

## Get Object Attributes

This API allows the user to get the list of all attributes answered for an object.

This table explains the details for the Get Object Attributes procedure.

Item	Description/Format
<b>URI</b>	<p><i>Get all attribute values for an object</i></p> <p>api/ObjectAttribute?OBJ_ID={OBJ_ID}&amp;APIKey={APIKey}</p>
	<p><i>Get values for a specific attribute type</i></p> <p>api/ObjectAttribute?OBJ_ID={OBJ_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;APIKey={APIKey}</p>
<b>URL Structure</b>	<p><i>Get all attribute values for an object</i></p> <p>https://host/APIappName/api/ObjectAttribute?OBJ_ID={OBJ_ID}&amp;APIKey={APIKey}</p>
	<p><i>Get values for a specific attribute type</i></p> <p>https://host/APIappName/api/ObjectAttribute?OBJ_ID={OBJ_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;APIKey={APIKey}</p>
<b>Http Method</b>	GET /ObjectAttribute
<b>Request Data</b>	<i>https://host/APIappName/API/ObjectAttribute?OBJ_ID=15215&amp;apikey=4c3a821e-0c99-420b-8579-6dd97b055b66</i>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>[{   "ATTTYPE_ID_R":1116   "ATT_DATA":"12121",   "ATTTYPE_RSAM_ID":"RSAM01-00001116-16C2EA8529FC4C39BF8CEA5D5EA4E3CF",   "ATT_DATE":null,   "ATT_ID_R":null }]</pre>
	<p><b>In XML</b></p> <pre>&lt;ArrayOfOBJECT_ATTRIBUTE xmlns:i="https://www.w3.org/2001/XMLSchema-instance"   xmlns="https://schemas.datacontract.org/2004/07/RSAM.Entities"&gt;&lt;OBJECT_ATTRIBUTE&gt;&lt;ATTTYPE_ID_R&gt;1116&lt;/ATTTYPE_ID_R&gt;&lt;ATTTYPE_RSAM_ID&gt;RSAM01-00001116-16C2EA8529FC4C39BF8CEA5D5EA4E3CF&lt;/ATTTYPE_RSAM_ID&gt;&lt;ATT_DATA&gt;12121&lt;/ATT_DATA&gt;&lt;ATT_DATE i:nil="true" /&gt;&lt;ATT_ID_R i:nil="true" /&gt;&lt;/OBJECT_ATTRIBUTE&gt;&lt;/ArrayOfOBJECT_ATTRIBUTE&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to view the object details.
<b>HttpStatusCode.OK</b>	200	If the get operation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sUrl As String
sUrl="https://host/APIappName/API/ObjectAttribute?OBJ_ID=15215&apikey=4c3a821e-0c99-420b-8579-6dd97b055b66"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

## Create Object Attribute

This API allows a user with appropriate privileges to create new object attribute values for attribute types that are not answered.

This table explains the details for the Create Object Attribute procedure.

Item	Description/Format
<b>URI</b>	api/ObjectAttribute?APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/ObjectAttribute?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<b>In JSON</b> <pre>{   "ObjectId": 1,   "AttrTypeRsamId": "sample string 1",   "AttrRsamId": "sample string 2",   "AttrData": "sample string 3",   "AttrId": 1,   "AttrDate": "2017-08-07T10:23:36.7751166+05:30"   "IsLDAPGroup": true }</pre>
	<b>In XML</b> <pre>&lt;CreateObjAttributeRequest xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;   &lt;ObjectId&gt;1&lt;/ObjectId&gt;</pre>

Item	Description/Format
	<pre>&lt;AttrTypeRsamId&gt;sample string 1&lt;/AttrTypeRsamId&gt; &lt;AttrRsamId&gt;sample string 2&lt;/AttrRsamId&gt; &lt;AttrData&gt;sample string 3&lt;/AttrData&gt; &lt;AttrId&gt;1&lt;/AttrId&gt; &lt;AttrDate&gt;2017-08-07T10:23:36.7751166+05:30&lt;/AttrDate&gt; &lt;IsLDAPGroup&gt;&gt;true&lt;/IsLDAPGroup&gt; &lt;/CreateObjAttributeRequest&gt;</pre>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>{   "Results":   {     "Info":     {       "ErrorCode": "0",       "ErrorMessage": "Object attribute created successfully"     }   } }</pre>
	<p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Object attribute created successfully&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create new object attributes.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = "{\"ObjectId\": \"12016\", \"AttrTypeRsamId\": \"RSAM01-00003645-
AE5AD96597B44090A3F10AF970FB2B64\", \"AttrData\": \"101\", \"AttrId\": \"\", \"AttrDate\": \"\" }"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
```

```

Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
    
```

### Create Object Attribute Values in a Batch

This API allows a user with appropriate privileges to create new object attribute values for multiple attribute types in a single API request. The values of attribute types such as Text, Check box, and so on can be created with the only exception of the file attachment attribute.

The table below provides details for the Create Object Attribute Values procedure.

Item	Description/Format
<b>URI</b>	<i>Create object attribute values using object ID</i> api/ObjectAttribute/CreateObjAttributeBatch?APIKey={APIKey}
	<i>Create object attribute values using object Rsam ID</i> api/ObjectAttribute/CreateObjAttributeByRsamIdBatch?APIKey={APIKey}
<b>URL Structure</b>	<i>Create object attribute values using object ID</i> https://host/APIappName/api/ObjectAttribute/CreateObjAttributeBatch?APIKey={APIKey}
	<i>Create object attribute values using object Rsam ID</i> https://host/APIappName/api/ObjectAttribute/CreateObjAttributeByRsamIdBatch?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<i>Create object attribute values using object ID</i> <b>In JSON</b> { "ObjectId": 4917, "AttrTypeRsamId": "RSAMR1-00004107-ED7031302BF24CBE842A7E1929CEEE74", "AttrData": "from postman", "AttrId": 1, "AttrDate": "", "IsLDAPGroup": true, "CurrencyCode": "", "Currency": "", "Coordinates": "", "Address": "" }
	<b>In XML</b> <ObjectId>4917</ObjectId> <AttrTypeRsamId>RSAMR1-00004107-ED7031302BF24CBE842A7E1929CEEE74</AttrTypeRsamId> <AttrData>from postman</AttrData> <AttrId>1</AttrId> <AttrDate></AttrDate> <IsLDAPGroup>true</IsLDAPGroup> <CurrencyCode></CurrencyCode> <Currency></Currency> <Coordinates></Coordinates> <Address></Address>
	<i>Create object attribute values using object Rsam ID</i> <b>In JSON</b> { "ObjectRSAMID": "RSAMR1-00004917-C88F2A460DD24D26A55435B4FD07497E",

Item	Description/Format
	<p><i>"ObjectAttributesCollection": [ { "QId": 1, "ObjectId": 4917, "AttrTypeRsamId": "RSAMR1-00004107-ED7031302BF24CBE842A7E1929CEEE74", "AttrRsamId": "", "AttrData": "new data in object", "AttrDate": "", "IsLDAPGroup": true, "CurrencyCode": "", "Currency": "", "Coordinates": "", "Address": "", "IsDelete": false } ] }</i></p> <p><b>In XML</b></p> <pre>&lt;ObjectRSAMID&gt;RSAMR1-00004917- C88F2A460DD24D26A55435B4FD07497E&lt;/ObjectRSAMID&gt; &lt;ObjectAttributesCollection&gt; &lt;QId&gt;1&lt;/QId&gt; &lt;ObjectId&gt;4917&lt;/ObjectId&gt; &lt;AttrTypeRsamId&gt;RSAMR1-00004107- ED7031302BF24CBE842A7E1929CEEE74&lt;/AttrTypeRsamId&gt; &lt;AttrRsamId&gt;&lt;/AttrRsamId&gt; &lt;AttrData&gt;new data in object&lt;/AttrData&gt; &lt;AttrDate&gt;&lt;/AttrDate&gt; &lt;IsLDAPGroup&gt;true&lt;/IsLDAPGroup&gt; &lt;CurrencyCode&gt;&lt;/CurrencyCode&gt; &lt;Currency&gt;&lt;/Currency&gt; &lt;Coordinates&gt;&lt;/Coordinates&gt; &lt;Address&gt;&lt;/Address&gt; &lt;IsDelete&gt;&gt;false&lt;/IsDelete&gt; &lt;/ObjectAttributesCollection&gt;</pre>
<b>Response Data</b>	<p><b>Create object attribute values using object ID</b></p> <p><b>In JSON</b></p> <pre>{ "ErrorCode": "0", "ErrorMessage": "[{"qId":null,"objId":"4917","AQ_RSAM_ID":null,"attTypeRsamId": "RSAMR1-00004107- ED7031302BF24CBE842A7E1929CEEE74","success":"true","message":"Ob ject attribute updated successfully.","FILE_OPERATION":null,"FILE_RSAM_ID":null,"Compressi onMode":null}]" }</pre> <p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;[{"qId":null,"objId":"4917","AQ_RSAM_ID":null,"attTypeRsam Id":"RSAMR1-00004107- ED7031302BF24CBE842A7E1929CEEE74","success":"true","message":"Object attribute updated successfully.","FILE_OPERATION":null,"FILE_RSAM_ID":null,"CompressionMod e":null}]&lt;/ErrorMessage&gt;</pre>
	<p><b>Create object attribute values using object Rsam ID</b></p> <p><b>In JSON</b></p> <pre>{ "ErrorCode": "0", "ErrorMessage": "[{"qId":"1","objId":"1234","AQ_RSAM_ID":null,"attTypeRsamId\ ":"sample string 1","success":"true","message":"Object attribute created successfully","FILE_OPERATION":null,"FILE_RSAM_ID":null,"Compressi onMode":null}]" }</pre> <p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;[{"qId":"1","objId":"1234","AQ_RSAM_ID":null,"attTypeRsamI d":"sample string 1","success":"true","message":"Object attribute created successfully","FILE_OPERATION":null,"FILE_RSAM_ID":null,"CompressionMod e":null}]&lt;/ErrorMessage&gt;</pre>

## Method Parameters

Parameter	Description
<b>QID</b>	These parameters can be left blank. They are used for internal purposes.
<b>ObjectId</b>	
<b>IsDelete</b>	

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create the object attribute values.
<b>HttpStatusCode.OK</b>	200	If the post operation is successful.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.
<b>HttpStatusCode.InternalServerError</b>	500	If any other error occurs such as incorrect URL, parameter missing, and so on.

### Example in vb.net

#### *Create object attribute values using object ID*

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = "[
{
  "ObjectId": 1238,
  "AttrTypeRsamId": "RSAMR6-00002842-C0FA88E3CCD644B6A77A42977538F0A3",
  "AttrData": "Text to update1",
  "AttrId": "",
  "AttrDate": "",
  "IsLDAPGroup": "",
  "CurrencyCode": "",
  "Currency": "",
  "Coordinates": "",
  "Address": ""
},
{
  "ObjectId": 1238,
  "AttrTypeRsamId": "RSAMR6-00009421-62FC25542E844B908A3A2CD9B03AC744",
  "AttrData": "Text to update2",
  "AttrId": "",
  "AttrDate": "",
  "IsLDAPGroup": "",
  "CurrencyCode": "",
  "Currency": "",
  "Coordinates": "",
  "Address": ""
}
]"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
```

```

oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try

```

### **Create object attribute values using object Rsam ID**

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = {
"ObjectRSAMID": "RSAMR6-00000139-EFC49738E2934E98B443C2591018612D",
"ObjectAttributesCollection": [
{
"QId": "0",
"ObjectId": "",
"AttrTypeRsamId": "RSAMR6-00002842-C0FA88E3CCD644B6A77A42977538F0A3",
"AttrRsamId": "",
"AttrData": "Text to update1",
"AttrDate": "",
"IsLDAPGroup": "false",
"CurrencyCode": "",
"Currency": "",
"Coordinates": "",
"Address": "",
"IsDelete": "false"
},
{
"QId": "0",
"ObjectId": "",
"AttrTypeRsamId": "RSAMR6-00009421-62FC25542E844B908A3A2CD9B03AC744",
"AttrRsamId": "",
"AttrData": "Text to update2",
"AttrDate": "",
"IsLDAPGroup": "false",
"CurrencyCode": "",
"Currency": "",
"Coordinates": "",
"Address": "",
"IsDelete": "false"
}
]
}"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"

```

```
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

### Update Object Attribute

This API allows a user with the appropriate privileges to update the details of an object attribute. This table explains the details for the Update Object Attribute procedure.

Item	Description/Format
<b>URI</b>	<i>Update using a specific attribute type ID</i> api/ObjectAttribute/ATTRIBUTE?APIKey={APIKey}
	<i>Update using a specific object attribute ID</i> api/ObjectAttribute/OBJECT_ATTRIBUTE?APIKey={APIKey}
<b>URL Structure</b>	<i>Update using a specific attribute type ID</i> https://host/APIappName/api/ObjectAttribute/ATTRIBUTE?APIKey={APIKey}
	<i>Update using a specific object attribute ID</i> https://host/APIappName/api/ObjectAttribute/OBJECT_ATTRIBUTE?APIKey={APIKey}
<b>Http Method</b>	PUT
<b>Request Data</b>	<b>In JSON</b> <pre>{   "ObjectAttrId": 1,   "AttrData": "sample string 2",   "AttrId": 1,   "AttrDate": "2017-08-07T10:38:02.8517156+05:30"   "IsLDAPGroup": true }</pre>
	<b>In XML</b> <pre>&lt;UpdateObjectAttrByAttrIdRequest xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"</pre>



Item	Description/Format
	<pre> xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt; &lt;ObjectAttrId&gt;1&lt;/ObjectAttrId&gt; &lt;AttrData&gt;sample string 2&lt;/AttrData&gt; &lt;AttrId&gt;1&lt;/AttrId&gt; &lt;AttrDate&gt;2017-08-07T10:38:02.8517156+05:30&lt;/AttrDate&gt; &lt;IsLDAPGroup&gt;true&lt;/IsLDAPGroup&gt; &lt;/UpdateObjectAttrByAttrIdRequest&gt;                     </pre>
<b>Response Data</b>	<b>In JSON</b> <pre> {   "Results":   {     "Info":{       "ErrorCode":"0",       "ErrorMessage":"Object attribute updated successfully."     }   } }                     </pre>
	<b>In XML</b> <pre> &lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Object attribute updated successfully.&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;                     </pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to update object attribute values.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{\"ObjectAttrId\": \"75350\",\"AttrData\": \"data updated\",\"AttrId\": \"\",\"AttrDate\": \"\" }"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "PUT"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
                    
```

```
Catch ex As Exception
'Handle the exception
End Try
```

## Delete Object Attribute

This API allows a user with the appropriate privileges to delete an object attribute value that matches the given Object ID and Attribute Type ID, Attribute Type RSAM\_ID, or Object Attribute ID.

This table explains the details for the Delete Object Attribute procedure.

Item	Description/Format
<b>URI</b>	<p><i>Delete using a specific attribute type id</i></p> <p>api/ObjectAttribute?OBJ_ID={OBJ_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;APIKey={APIKey}</p>
	<p><i>Delete using a specific attribute type RSAM_ID</i></p> <p>api/ObjectAttribute/ATTRIBUTE_TYPE?OBJ_ID={OBJ_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;APIKey={APIKey}</p>
	<p><i>Delete using a specific object_attribute_id (helpful for deleting a single value from a multi-select)</i></p> <p>api/ObjectAttribute/OBJECT_ATTRIBUTE?OBJ_ATT_ID={OBJ_ATT_ID}&amp;APIKey={APIKey}</p>
<b>URL Structure</b>	<p><i>Delete using a specific attribute type id</i></p> <p>https://host/APIappName/api/ObjectAttribute?OBJ_ID={OBJ_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;APIKey={APIKey}</p>
	<p><i>Delete using a specific attribute type RSAM_ID</i></p> <p>https://host/APIappName/api/ObjectAttribute/ATTRIBUTE_TYPE?OBJ_ID={OBJ_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;APIKey={APIKey}</p>
	<p><i>Delete using a specific object_attribute_id (helpful for deleting a single value from a multi-select)</i></p> <p>https://host/APIappName/api/ObjectAttribute/OBJECT_ATTRIBUTE?OBJ_ATT_ID={OBJ_ATT_ID}&amp;APIKey={APIKey}</p>
<b>Http Method</b>	DELETE
<b>Request Data</b>	<pre>https://host/APIappName/API/ObjectAttribute?OBJ_ID=12016&amp;ATTTYPE_RSAM_ID=RSAM01-00001641-EFDB3C3F5BEF484887C0FE0501CE8EF6&amp;apikey=33477219-01f9-4b0a-8c4e-a4dd9cd20480</pre>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>{   "Results":   {</pre>

Item	Description/Format
	<pre>"Info": {   "ErrorCode": "0",   "ErrorMessage": "Object attribute deleted successfully", } }</pre>
	<p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Object attribute deleted successfully&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to delete an object attribute.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sData As String = String.Empty
'Construct the data
sData = "OBJ_ID=" & i_iObjectId & "&ATTTYPE_RSAM_ID=" & i_sAttributeTypeRSAMID & "&apikey=" &
m_sAPIKey
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "DELETE"
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

## Object Attachment Attributes

Object Attachment Attributes are the attributes defined for use with Objects. Use the commands in the following section to get, upload, download, and delete object attachment attribute values.

### Get File Attachment Details from an Object Attachment Attribute

This API allows a user with appropriate privileges to get the file name and the contents of the file from an object attachment attribute. The content will be in Base64 format.

The table below provides details for the Get File Attachment Details procedure.

Item	Description/Format
<b>URI</b>	<i>Get file attachment details using an object ID</i> api/ObjectAttribute/GetFileAttachmentDetails?OBJECT_ID={OBJECT_ID}&ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&APIKey={APIKey}
<b>URL Structure</b>	<i>Get file attachment details using an object ID</i> https://host/APIappName/api/ObjectAttribute/GetFileAttachmentDetails?OBJECT_ID={OBJECT_ID}&ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&APIKey={APIKey}
<b>Http Method</b>	GET
<b>Request Data</b>	<i>http://localhost:2202/rsam_api/api/ObjectAttribute/GetFileAttachmentDetails?OBJECT_ID=196951&amp;ATTTYPE_RSAM_ID=RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41&amp;APIKey=96e1e54e-678a-4dc9-aa83-367a8f7896bf</i>
<b>Response Data</b>	<b>In JSON</b> <pre>[{"BFILE_ID":9528,"BFILE_NAME":"sample.png","BFILE_SIZE":49573}, {"BFILE_ID":9529,"BFILE_NAME":"sample.txt","BFILE_SIZE":11}]</pre>
	<b>In XML</b> <pre>&lt;root&gt; &lt;0&gt; &lt;BFILE_ID&gt;9528&lt;/BFILE_ID&gt; &lt;BFILE_NAME&gt;sample.png&lt;/BFILE_NAME&gt; &lt;BFILE_SIZE&gt;49573&lt;/BFILE_SIZE&gt; &lt;/0&gt; &lt;1&gt; &lt;BFILE_ID&gt;9529&lt;/BFILE_ID&gt; &lt;BFILE_NAME&gt;sample.txt&lt;/BFILE_NAME&gt; &lt;BFILE_SIZE&gt;11&lt;/BFILE_SIZE&gt; &lt;/1&gt; &lt;/root&gt;</pre>

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create the object attribute values.
<b>HttpStatusCode.OK</b>	200	If the get operation is successful.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.
<b>HttpStatusCode.InternalServerError</b>	500	If any other error occurs such as incorrect URL, parameter missing, and so on.

## Example in vb.net

### Get file attachment details using an object ID

```
Dim sUrl As String
sUrl = "https://host/APIappName/API/ObjectAttribute/GetFileAttachmentDetails?OBJECT_ID=15215&
ATTTYPE_RSAM_ID=RSAM01-00000021-CBBA3FD35EB64BB4B57A6846ADE99512&apikey=4c3a821e-0c99-420b-
8579-6dd97b055b66"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
    sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

## Upload File to an Object Attachment Attribute

This API allows a user with appropriate privileges to upload a file to a file attachment attribute of an object.

The table below provides details for the File Attachment Attribute procedure.

Item	Description/Format
<b>URI</b>	<i>Upload using an object ID</i> api/ObjectAttribute/FileAttachmentAttribute?APIKey={APIKey}
	<i>Upload using an object RSAM ID</i> api/ObjectAttribute/FileAttachmentAttributeByRsamID?APIKey={APIKey}
<b>URL Structure</b>	<i>Upload using an object ID</i> https://host/APIappName/api/ObjectAttribute/FileAttachmentAttribute?APIKey={APIKey}
	<i>Upload using an object RSAM ID</i> https://host/APIappName/api/ObjectAttribute/FileAttachmentAttributeByRsamID?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<i>Upload using an object ID</i> <b>In JSON</b> { "ID": "196955", "AttrTypeRsamId": "RSAM01-00000274-13AF571F07554213999B6EFD27E6121B", "AttrAttachmentData": "dGVzdA==", "AttrData": "sample.txt", "CompressionMode": 0, "FileSize": 0 }
	<b>In XML</b> <ID>196955</ID> <AttrTypeRsamId>RSAM01-00000274-13AF571F07554213999B6EFD27E6121B</AttrTypeRsamId> <AttrAttachmentData>dGVzdA==</AttrAttachmentData> <AttrData>sample.txt</AttrData> <CompressionMode>0</CompressionMode> <FileSize>0</FileSize>

Item	Description/Format
	<p><b>Upload using an object RSAM ID</b></p> <p><b>In JSON</b></p> <pre>{ "RsamID": "RSAM03-00196955-86DBCE91144C4EAFB9EA7516E33D1805",   "AttrTypeRsamId": "RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41",   "AttrAttachmentData": "dGVzdA==", "AttrData": "sample.txt", "CompressionMode": 0,   "FileSize": 1, "FileRsamId": "", "IsDelete": true }</pre> <p><b>In XML</b></p> <pre>&lt;RsamID&gt;RSAM03-00196955-86DBCE91144C4EAFB9EA7516E33D1805&lt;/RsamID&gt; &lt;AttrTypeRsamId&gt;RSAM01-00018564- 7EE9263CA82E4825958C485DB4A85B41&lt;/AttrTypeRsamId&gt; &lt;AttrAttachmentData&gt;dGVzdA==&lt;/AttrAttachmentData&gt; &lt;AttrData&gt;sample.txt&lt;/AttrData&gt; &lt;CompressionMode&gt;0&lt;/CompressionMode&gt; &lt;FileSize&gt;1&lt;/FileSize&gt; &lt;FileRsamId&gt;&lt;/FileRsamId&gt; &lt;IsDelete&gt;&gt;true&lt;/IsDelete&gt;</pre>
<b>Response Data</b>	<p><b>Upload using an object ID</b></p> <p><b>In JSON</b></p> <pre>{ "ErrorCode": "0", "ErrorMessage": "[{"FileName": "sample.txt", "Success": "True", "Message": "Attached Successfully."}]"</pre> <p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;[{"FileName": "sample.txt", "Success": "True", "Message": "Attached Successfully."}]&lt;/ErrorMessage&gt;</pre>
	<p><b>Upload using an object RSAM ID</b></p> <p><b>In XML</b></p> <pre>{ "ErrorCode": "0", "ErrorMessage": "Attached Successfully." }</pre> <p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;Attached Successfully.&lt;/ErrorMessage&gt;</pre>

### Method Parameters

Parameter	Description
<b>AttrAttachmentData</b>	The Base64 format of the file to be uploaded must be entered in this field.
<b>AttrData</b>	The name of the file to be uploaded with its extension must be entered in this field.
<b>CompressionMode</b>	<p>The accepted values are 0 and 1, where:</p> <ul style="list-style-type: none"> <li>0 = File is encoded in Base64 format</li> <li>1 = File is compressed and encoded in Base64 format</li> </ul> <p><b>Note:</b> Zip files (.zip) are the only accepted compression format, and the size of the file should not be more than 20 MB.</p>

Parameter	Description
<b>FileSize</b>	This is an optional field. The size of the file being uploaded can be mentioned in this field for faster processing of the API request.
<b>isDelete</b>	This is an optional field and is used for internal purpose.

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create the object attribute values.
<b>HttpStatusCode.OK</b>	200	If the post operation is successful.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.
<b>HttpStatusCode.InternalServerError</b>	500	If any other error occurs such as incorrect URL, parameter missing, and so on.

### Example in vb.net

#### Upload using an object ID

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = "{"Id": "12016", "AttrTypeRsamId": "RSAM01-00003645-
AE5AD96597B44090A3F10AF970FB2B64",
"AttrAttachmentData": "bXkgc2FtcGx1IHN0cmluZw==", "AttrData": "MyFileName.txt",
"CompressionMode": 0, "FileSize": 16 }"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

#### Upload using an object RSAM ID

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = {"RsamID": "RSAMR6-00000111-335274B251D84679AD1FB5244712B563", "AttrTypeRsamId":
"RSAM01-00003645-AE5AD96597B44090A3F10AF970FB2B64", "AttrAttachmentData":
"bXkgc2FtcGx1IHN0cmluZw==", "AttrData": "MyFileName.txt", "CompressionMode": 0, "FileSize":
16, "FileRsamId": "RSAMR6-00000119-0D616E13FAC34DE695AA42D1A822104D", "IsDelete": false}
```

```

Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
    
```

### Download File from an Object Attachment Attribute

This API allows a user with appropriate privileges to download a file from the file attachment attribute of an object.

The table below provides details for the Get Object File Attachment procedure.

Item	Description/Format
<b>URI</b>	<p><i>Download using file ID and object ID</i></p> <p>api/ObjectAttribute/GetAttachment?FILE_ID={FILE_ID}&amp;OBJECT_ID={OBJECT_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;CompressionMode={CompressionMode}&amp;APIKey={APIKey}</p>
	<p><i>Download using file Rsam ID and object Rsam ID</i></p> <p>api/ObjectAttribute/GetAttachmentByRsamId?FILE_RSAM_ID={FILE_RSAM_ID}&amp;OBJECT_RSAM_ID={OBJECT_RSAM_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;CompressionMode={CompressionMode}&amp;APIKey={APIKey}</p>
<b>URL Structure</b>	<p>https://host/APIappName/api/ObjectAttribute/GetAttachment?FILE_ID={FILE_ID}&amp;OBJECT_ID={OBJECT_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;CompressionMode={CompressionMode}&amp;APIKey={APIKey}</p>
<b>Http Method</b>	GET
<b>Request Data</b>	<p><i>Download using file ID and object ID</i></p> <p>http://localhost:2202/rsam_api/api/ObjectAttribute/GetAttachment?FILE_ID=9584&amp;OBJECT_ID=196956&amp;ATTTYPE_RSAM_ID=RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41&amp;CompressionMode=0&amp;APIKey=96e1e54e-678a-4dc9-aa83-367a8f7896bf</p>



Item	Description/Format
	<p><b>Download using file Rsam ID and object Rsam ID</b></p> <p><i>http://localhost:2202/RSAM_API/api/ObjectAttribute/GetAttachmentByRsamId?FILE_RSAM_ID=DST R6-00002273-58C448876D024D90B4ACA91CA26F4760&amp;OBJECT_RSAM_ID=DST R6-00010521-E8BBA05A9DFD4D25A61F739B61503935&amp;ATTTYPE_RSAM_ID=DST R6-00004091-B40A2CE992DF417E88B3109C972EC94D&amp;CompressionMode=0&amp;APIKey=dbcccca7-7728-4e32-9b71-72fa9a070d8a</i></p>
<b>Response Data</b>	<p><b>Download using file ID and object ID</b></p> <p><b>In JSON</b></p> <pre>[{"BFILE_NAME":"sample.txt","BFILE_DATA":"dGVzdCAyMzY2DQo=", "MESSAGE": "[{\\"fileId\\":\\"9584\\",\\"success\\":\\"True\\",\\"message\\":\\"File downloaded successfully.\\"}]"}]</pre> <p><b>In XML</b></p> <pre>&lt;BFILE_NAME&gt;sample.txt&lt;/BFILE_NAME&gt; &lt;BFILE_DATA&gt;dGVzdCAyMzY2DQo=&lt;/BFILE_DATA&gt; &lt;MESSAGE&gt;[{"fileId":"9584","success":"True","message":"File downloaded successfully."}]&lt;/MESSAGE&gt;</pre>
	<p><b>Download using file Rsam ID and object Rsam ID</b></p> <p><b>In JSON</b></p> <pre>[ { "BFILE_NAME": "sample.txt", "BFILE_DATA": "dGVzdA==", "MESSAGE": "[{\\"fileId\\":\\"DST R6-00002273-58C448876D024D90B4ACA91CA26F4760\\",\\"success\\":\\"true\\",\\"message\\":\\"File downloaded successfully.\\"}]"} ]</pre> <p><b>In XML</b></p> <pre>&lt;BFILE_NAME&gt;sample.txt&lt;/BFILE_NAME&gt; &lt;BFILE_DATA&gt;dGVzdA==&lt;/BFILE_DATA&gt; &lt;MESSAGE&gt;[{"fileId":"DST R6-00002273-58C448876D024D90B4ACA91CA26F4760","success":"true","message":"File downloaded successfully."}]&lt;/MESSAGE&gt;</pre>

## Method Parameters

Parameter	Description
<b>CompressionMode</b>	The accepted values are 0 and 1, where: <ul style="list-style-type: none"> <li>0 = File is encoded in Base64 format</li> <li>1 = File is compressed and encoded in Base64 format</li> </ul>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create the object attribute values.

Code	Value	Reason
<b>HttpStatusCode.OK</b>	200	If the get operation is successful.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.
<b>HttpStatusCode.InternalServerError</b>	500	If any other error occurs such as incorrect URL, parameter missing, and so on.

### Example in vb.net

#### *Download using file ID and object ID*

```
Dim sUrl As String
sUrl =
"https://host/APIappName/API/ObjectAttribute/GetAttachment?FILE_ID=1256&OBJECT_ID=15215&ATTTYPE_RSAM_ID=RSAM01-00000021-CBBA3FD35EB64BB4B57A6846ADE99512&CompressionMode=0&apikey=4c3a821e-0c99-420b-8579-6dd97b055b66"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

#### *Download using file Rsam ID and object Rsam ID*

```
Dim sUrl As String
sUrl =
"https://host/APIappName/API/ObjectAttribute/GetAttachmentByRsamId?FILE_RSAM_ID=RSAM01-00000018-DAA0999849E14927A7CEDEF88EAA4602&OBJECT_RSAM_ID=RSAM01-00000054-368E3377FF5C41A4BEE37F2A04BE9F37&ATTTYPE_RSAM_ID=RSAM01-00000021-CBBA3FD35EB64BB4B57A6846ADE99512&CompressionMode=0&apikey=4c3a821e-0c99-420b-8579-6dd97b055b66"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

## Delete File from an Object Attachment Attribute

This API allows a user with appropriate privileges to delete a file from the attachment attribute of an object.

The table below provides details for the Delete Attachment Attribute procedure.

Item	Description/Format
URI	<p><b>Delete using object ID and file ID</b></p> <pre>api/ObjectAttribute/DeleteAttachmentAttribute?OBJ_ID={OBJ_ID}&amp;FILE_ID={FILE_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;APIKey={APIKey}</pre>
	<p><b>Delete by excluding the file(s) with the Rsam ID passed</b></p> <pre>api/ObjectAttribute/DeleteAttributeAttachmentsExcludingFileRsamID?APIKey={APIKey}</pre>
URL Structure	<p><b>Delete using object ID and file ID</b></p> <pre>https://host/APIappName/api/ObjectAttribute/DeleteAttachmentAttribute?OBJ_ID={OBJ_ID}&amp;FILE_ID={FILE_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;APIKey={APIKey}</pre>
	<p><b>Delete by excluding the file(s) with the Rsam ID passed in the URL</b></p> <pre>https://host/APIappName/api/ObjectAttribute/DeleteAttributeAttachmentsExcludingFileRsamID?APIKey={APIKey}</pre>
Http Method	DELETE
Request Data	<p><b>Delete using object ID and file ID</b></p> <pre>http://localhost:2202/rsam_api/api/ObjectAttribute/DeleteAttachmentAttribute?OBJ_ID=196956&amp;FILE_ID=9586&amp;ATTTYPE_RSAM_ID=RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41&amp;APIKey=96e1e54e-678a-4dc9-aa83-367a8f7896bf</pre>
	<p><b>Delete by excluding the file(s) with the Rsam ID passed</b></p> <p><b>In JSON</b></p> <pre>{ "RsamId": "DST R6-00010521-E8BBA05A9DFD4D25A61F739B61503935", "AttrTypeRsamId": "DST R6-00004091-B40A2CE992DF417E88B3109C972EC94D", "DeleteAttachmentAttributeCollection": [ { "QID": 1, "FileRsamId": "DST R6-00002247-8824962016544E4FAACD7D986290450F" }, { "QID": 1, "FileRsamId": "DST R6-00002198-4374125AD6C7443FBDC7C67682FC5CD3" } ] }</pre> <p><b>In XML</b></p> <pre>&lt;RsamId&gt;DST R6-00010521-E8BBA05A9DFD4D25A61F739B61503935&lt;/RsamId&gt; &lt;AttrTypeRsamId&gt;DST R6-00004091-B40A2CE992DF417E88B3109C972EC94D&lt;/AttrTypeRsamId&gt; &lt;DeleteAttachmentAttributeCollection&gt; &lt;QID&gt;1&lt;/QID&gt; &lt;FileRsamId&gt;DST R6-00002247-8824962016544E4FAACD7D986290450F&lt;/FileRsamId&gt; &lt;/DeleteAttachmentAttributeCollection&gt; &lt;DeleteAttachmentAttributeCollection&gt; &lt;QID&gt;1&lt;/QID&gt; &lt;FileRsamId&gt;DST R6-00002198-4374125AD6C7443FBDC7C67682FC5CD3&lt;/FileRsamId&gt;</pre>

Item	Description/Format
	</DeleteAttachmentAttributeCollection>
<b>Response Data</b>	<p><b>Delete using object ID and file ID</b></p> <p><b>In JSON</b></p> <pre>{ "ErrorCode": "0", "ErrorMessage": "[{"fileId": "9586", "success": "true", "message": "Deleted file successfully."}]" }</pre> <p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;[{"fileId": "9586", "success": "true", "message": "Deleted file successfully."}]&lt;/ErrorMessage&gt;</pre>
	<p><b>Delete by excluding the file(s) with the Rsam ID passed</b></p> <p><b>In JSON</b></p> <pre>{ "ErrorCode": "0", "ErrorMessage": "[{"Q_ID": -1, "OBJ_ID": 196956, "AQ_RSAM_ID": null, "ATT_TYPE_RSAM_ID": "RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41", "CODE": "true", "ARQ_MESSAGE": "File deleted successfully", "NEW_ID": "RSAM03-00010666-EDF773D1A583493A9AF5CF1D7FD633E1", "FILE_OPERATION": null, "FILE_RSAM_ID": null, "CompressionMode": null}]" }</pre> <p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;[{"Q_ID": -1, "OBJ_ID": 196956, "AQ_RSAM_ID": null, "ATT_TYPE_RSAM_ID": "RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41", "CODE": "true", "ARQ_MESSAGE": "File deleted successfully", "NEW_ID": "RSAM03-00010666-EDF773D1A583493A9AF5CF1D7FD633E1", "FILE_OPERATION": null, "FILE_RSAM_ID": null, "CompressionMode": null}]&lt;/ErrorMessage&gt;</pre>

**NOTE:** Use extreme caution when using the **DeleteAttributeAttachmentsExcludingFileRsamID** option because this will delete all the files from the attachment attribute except the files with the Rsam ID given in the Request Data.

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create the object attribute values.
<b>HttpStatusCode.OK</b>	200	If the delete operation is successful.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.
<b>HttpStatusCode.InternalServerError</b>	500	If any other error occurs such as incorrect URL, parameter missing, and so on.

## Example in vb.net

### *Delete using object ID and file ID*

```
Dim sUrl As String
sUrl = "https://host/APIappName/API/ObjectAttribute/DeleteAttachmentAttribute?OBJ_ID=15215&
FILE_ID=1256&ATTTYPE_RSAM_ID= RSAM01-00000021-
CBB3FD35EB64BB4B57A6846ADE99512&apikey=4c3a821e-0c99-420b-8579-6dd97b055b66"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "DELETE"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

### *Delete by excluding the file(s) with the Rsam ID passed*

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = "{
  "RsamId": "RSAMR6-00145938-EC55C74807334755B4DE63B05E4391DA",
  "AttrTypeRsamId": "RSAM01-00000274-13AF571F07554213999B6EFD27E6121B",
  "DeleteAttachmentAttributeCollection": [
    {
      "QID": 0,
      "FileRsamId": "RSAMR6-00140829-A41D65075F9C4787A1CD4CD868MB459"
    },
    {
      "QID": 0,
      "FileRsamId": "RSAMR6-00140829-A41D65075F9C4787A1CD4CD863BQQW2"
    }
  ]
}"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "DELETE"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

# Record Management

Record Management module in Rsam helps to add and manage objects. Use the commands in the following section to locate, add, update, and delete records.

## Get Record

This API allows the user to get details of records that match the given data.

This table explains the details for the Get Record procedure.

Item	Description/Format
URL	<p><b>By Finding ID, Object ID, Entity, Sub Entity, or Workflow State</b></p> <pre>api/Record?APIKey={APIKey}&amp;FINDING_ID={FINDING_ID}&amp;OBJ_ID={OBJ_ID}&amp;ENTITY={ENTITY}&amp;SUBENTITY={SUBENTITY}&amp;WF_STATE_ID={WF_STATE_ID}&amp;CATEGORYTYPE_RSAMID={CATEGORYTYPE_RSAMID}&amp;RECORDTYPE_RSAM_ID={RECORDTYPE_RSAM_ID}&amp;ATTRIBUTETYPE_RSAMID={ATTRIBUTETYPE_RSAMID}&amp;ATTRIBUTE_RESPONSE={ATTRIBUTE_RESPONSE}</pre>
	<p><b>By Attribute Response</b></p> <pre>api/Record?ATTR_TYPE_RSAM_ID={ATTR_TYPE_RSAM_ID}&amp;ATTR_RESPONSE={ATTR_RESPONSE}&amp;APIKey={APIKey}</pre>
URL Structure	<p><b>By Finding ID, Object ID, Entity, Sub Entity, or Workflow State</b></p> <pre>https://host/APIappName/api/Record?APIKey={APIKey}&amp;FINDING_ID={FINDING_ID}&amp;OBJ_ID={OBJ_ID}&amp;ENTITY={ENTITY}&amp;SUBENTITY={SUBENTITY}&amp;WF_STATE_ID={WF_STATE_ID}&amp;CATEGORYTYPE_RSAMID={CATEGORYTYPE_RSAMID}&amp;RECORDTYPE_RSAM_ID={RECORDTYPE_RSAM_ID}&amp;ATTRIBUTETYPE_RSAMID={ATTRIBUTETYPE_RSAMID}&amp;ATTRIBUTE_RESPONSE={ATTRIBUTE_RESPONSE}</pre>
	<p><b>By Attribute Response</b></p> <pre>https://host/APIappName/api/Record?ATTR_TYPE_RSAM_ID={ATTR_TYPE_RSAM_ID}&amp;ATTR_RESPONSE={ATTR_RESPONSE}&amp;APIKey={APIKey}</pre>
Http Method	GET /Record
Request Data	<pre>https://host/APIappName/API/Record?FINDING_ID=114375&amp;OBJ_ID=1894&amp;ENTITY=&amp;SUBENTITY=&amp;WF_STATE_ID=55&amp;APIKey=5574f001-64b7-49a8-8b21-42f85fe99020</pre>
Response Data	<p><b>In JSON</b></p> <pre>{   "FINDING_ID":114375,   "OBJ_ID_R":1894,   "FINDINGTYPE_ID_R":1,   "CATEGORYTYPE_ID_R":1,   "FINDING_PARENT_ID_R":null,   "FINDING_WF_STATE_ID_R":55,</pre>

Item	Description/Format
	<pre>"FINDING_SUBMITTED":null, "FINDING_LINK_TO_CONTYPE":null, "FINDING_LOCKED":0, "FINDING_INITIAL":null, "ORINATION_FINDING_ID_R":null, "CONTYPE_ID_R":null, "FINDING_RSAM_ID":"RSAM01-00114375-0802EE57C42F476CA3D29619866AFFB7" }</pre>
	<p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode &gt;&lt;ErrorMessage&gt;Success&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;ArrayOfRECORDS xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;RECORDS&gt;&lt;FINDING_ID&gt;11 4375&lt;/FINDING_ID&gt;&lt;OBJ_ID_R&gt;1894&lt;/OBJ_ID_R&gt;&lt;FINDINGTYPE_ID_R&gt;1&lt;/FINDIN GTYPE_ID_R&gt;&lt;CATEGORYTYPE_ID_R&gt;1&lt;/CATEGORYTYPE_ID_R&gt;&lt;FINDING_PARENT_ID _R xsi:nil="true" /&gt;&lt;FINDING_WF_STATE_ID_R&gt;55&lt;/FINDING_WF_STATE_ID_R&gt;&lt;FINDING_SUBMITTED xsi:nil="true" /&gt;&lt;FINDING_LINK_TO_CONTYPE xsi:nil="true" /&gt;&lt;FINDING_LOCKED&gt;0&lt;/FINDING_LOCKED&gt;&lt;FINDING_INITIAL xsi:nil="true" /&gt;&lt;ORINATION_FINDING_ID_R xsi:nil="true" /&gt;&lt;CONTYPE_ID_R xsi:nil="true" /&gt;&lt;FINDING_RSAM_ID&gt;RSAM01-00114375- 0802EE57C42F476CA3D29619866AFFB7&lt;/FINDING_RSAM_ID&gt;&lt;/RECORDS&gt;&lt;/ArrayOf RECORDS&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to view the record details.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sUrl As String
sUrl=" https://host/APIappName/API/Record?FINDING_ID=114375&OBJ_ID=1894&ENTITY=
&SUBENTITY=WF_STATE_ID=55&APIKey=5574f001-64b7-49a8-8b21-42f85fe99020"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

## Create Record

This API allows a user with appropriate privileges to create a new record.

This table explains the details for the Create Record procedure.

Item	Description/Format
<b>URI</b>	api/Record/Post?APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/Record/Post?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<b>In JSON</b> <pre>{   "ObjectId": 1,   "FindingTypeId": 2,   "CategoryTypeId": 3,   "FindingParentId": 1,   "FindingSubmitted": 1,   "FindingLinkToConType": 1,   "WFStateId": 4 }</pre>
	<b>In XML</b> <pre>&lt;CreateRecordRequest xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;   &lt;ObjectId&gt;1&lt;/ObjectId&gt;   &lt;FindingTypeId&gt;2&lt;/FindingTypeId&gt;   &lt;CategoryTypeId&gt;3&lt;/CategoryTypeId&gt;   &lt;FindingParentId&gt;1&lt;/FindingParentId&gt;   &lt;FindingSubmitted&gt;1&lt;/FindingSubmitted&gt;   &lt;FindingLinkToConType&gt;1&lt;/FindingLinkToConType&gt;   &lt;WFStateId&gt;4&lt;/WFStateId&gt; &lt;/CreateRecordRequest&gt;</pre>
<b>Response Data</b>	<b>In JSON</b> <pre>{   "Results":   {     "Info":     {       "ErrorCode": "0",       "ErrorMessage": "Record, 114374 created successfully"       "New_Id": "114374"     }   } }</pre>
	<b>In XML</b> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Record, 114376 created successfully&lt;/ErrorMessage&gt;&lt;New_Id&gt;114376&lt;/New_Id&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>



## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create new records.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{\"ObjectId\": \"1894\", \"FindingTypeId\": \"1\", \"CategoryTypeId\": \"1\", \"FindingParentId\": \"\", \"FindingSubmitted\": \"\", \"FindingLinkToConType\": \"\", \"WFStateId\": \"55\" }"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
    
```

## Update Record

This API allows a user with the appropriate privileges to update the details of a record.

This table explains the details for the Update Record procedure.

Item	Description/Format
<b>URI</b>	api/Record?APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/Record?APIKey={APIKey}
<b>Http Method</b>	PUT
<b>Request Data</b>	<b>In JSON</b> <pre>{   "FindingId": 1,   "NewObjectId": 1,   "NewFindingTypeId": 1,   "NewCategoryTypeId": 1,</pre>

Item	Description / Format
	<pre>"NewWFStateId": 1, "Locked": 1 }</pre> <p><b>In XML</b></p> <pre>&lt;UpdatedRecordRequest xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt; &lt;FindingId&gt;1&lt;/FindingId&gt; &lt;NewObjectId&gt;1&lt;/NewObjectId&gt; &lt;NewFindingTypeId&gt;1&lt;/NewFindingTypeId&gt; &lt;NewCategoryTypeId&gt;1&lt;/NewCategoryTypeId&gt; &lt;NewWFStateId&gt;1&lt;/NewWFStateId&gt; &lt;Locked&gt;1&lt;/Locked&gt; &lt;/UpdatedRecordRequest&gt;</pre>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>{ "Results": { "Info":{ "ErrorCode":"0", "ErrorMessage":"Record with ID 114376 updated successfully" "New_Id":"0" } } }</pre> <p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Record with ID 114376 updated successfully&lt;/ErrorMessage&gt;&lt;New_Id&gt;0&lt;/New_Id&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to update record details.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

#### Example in vb.net

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = "{\"FindingId\": \"114376\", \"NewObjectId\": \"1894\", \"NewFindingTypeId\":
\"1\", \"NewCategoryTypeId\": \"1\", \"NewWFStateId\": \"55\", \"Locked\": \"False\"}"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
```

```

oRequest.Method = "PUT"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
    
```

## Delete Record

This API allows a user with the appropriate privileges to delete a record.

This table explains the details for the Delete Record procedure.

Item	Description/Format
<b>URI</b>	api/Record?FINDING_ID={FINDING_ID}&APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/Record?FINDING_ID={FINDING_ID}&APIKey={APIKey}
<b>Http Method</b>	DELETE
<b>Request Data</b>	<i>https://host/APIappName/API/Record?FINDING_ID=114376&amp;APIKey=5574f001-64b7-49a8-8b21-42f85fe99020</i>
<b>Response Data</b>	<b>In JSON</b> <pre>{   "ErrorCode": "0",   "ErrorMessage": "Record deleted successfully", }</pre>
	<b>In XML</b> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Record deleted successfully&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to delete a record.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sData As String = String.Empty
'Construct the data
sData = "FINDING_ID=" & i_iFindingId & "&APIKey=" & m_sAPIKey
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "DELETE"
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

## Record Attributes

Record Attributes are the attributes defined for use with Records. Use the commands in the following section to locate, add, update, and delete record attribute values.

### Get Record Attributes

This API allows the user to get the list of record attributes answered for a specific Record ID.

This table explains the details for the Get Record Attributes procedure.

Item	Description/Format
URL	<p><i>Get all attribute values for a record</i></p> <p>api/RecordAttribute?FINDING_ID={FINDING_ID}&amp;APIKey={APIKey}</p>
	<p><i>Get attribute values for a specific attribute type</i></p> <p>api/RecordAttribute?FINDING_ID={FINDING_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;APIKey={APIKey}</p>
URL Structure	<p><i>Get all attribute values for a record</i></p> <p>https://host/APIappName/api/RecordAttribute?FINDING_ID={FINDING_ID}&amp;APIKey={APIKey}</p>
	<p><i>Get attribute values for a specific attribute type</i></p> <p>https://host/APIappName/api/RecordAttribute?FINDING_ID={FINDING_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;APIKey={APIKey}</p>
Http Method	GET /RecordAttribute
Request Data	<i>https://host/APIappName/API/RecordAttribute?FINDING_ID=114375&amp;apikey=5574f001-64b7-49a8-8b21-42f85fe99020</i>
Response Data	<p><b>In JSON</b></p> <pre>[{   "ATTTYPE_ID_R":66   "ATT_DATA":"Aug 7 2014 11:27AM",   "ATTTYPE_RSAM_ID":"RSAM-00126",   "ATTTYPE_NAME":"Date of Entry",   "ATTRIBUTE_DATE":"2014-08-07T11:27:16.66",   "ATTRIBUTE_ID_R":null }, ... ... ]</pre>
	<p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;Success&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;ArrayOfRECORD_ATTRIBUTE</pre>

Item	Description/Format
	<pre> xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;RECORD_ATTRIBUTE&gt;&lt;ATTTYPE_ID_R&gt;66&lt;/ATTTYPE_ID_R&gt;&lt;ATT_DATA&gt;Aug 7 2014 11:27AM&lt;/ATT_DATA&gt;&lt;ATTTYPE_RSAM_ID&gt;RSAM-00126&lt;/ATTTYPE_RSAM_ID&gt;&lt;ATTTYPE_NAME&gt;Date of Entry&lt;/ATTTYPE_NAME&gt;&lt;ATTRIBUTE_DATE&gt;2014-08-07T11:27:16.66&lt;/ATTRIBUTE_DATE&gt;&lt;ATTRIBUTE_ID_R xsi:nil="true" /&gt;&lt;/RECORD_ATTRIBUTE&gt;&lt;RECORD_ATTRIBUTE&gt;&lt;ATTTYPE_ID_R&gt;67&lt;/ATTTYPE_ID_R&gt;&lt;ATT_DATA&gt;example_admin&lt;/ATT_DATA&gt;&lt;ATTTYPE_RSAM_ID&gt;RSAM-00127&lt;/ATTTYPE_RSAM_ID&gt;&lt;ATTTYPE_NAME&gt;Entered By&lt;/ATTTYPE_NAME&gt;&lt;ATTRIBUTE_DATE xsi:nil="true" /&gt;&lt;ATTRIBUTE_ID_R xsi:nil="true" /&gt;&lt;/RECORD_ATTRIBUTE&gt;&lt;RECORD_ATTRIBUTE&gt;&lt;ATTTYPE_ID_R&gt;94&lt;/ATTTYPE_ID_R&gt;&lt;ATTTYPE_RSAM_ID&gt;RSAM-00485&lt;/ATTTYPE_RSAM_ID&gt;&lt;ATTTYPE_NAME&gt;Move Finding&lt;/ATTTYPE_NAME&gt;&lt;ATTRIBUTE_DATE xsi:nil="true" /&gt;&lt;ATTRIBUTE_ID_R xsi:nil="true" /&gt;&lt;/RECORD_ATTRIBUTE&gt;&lt;RECORD_ATTRIBUTE&gt;&lt;ATTTYPE_ID_R&gt;724&lt;/ATTTYPE_ID_R&gt;&lt;ATT_DATA&gt;Aug 7 2014 12:00AM&lt;/ATT_DATA&gt;&lt;ATTTYPE_RSAM_ID&gt;RSAM-00620&lt;/ATTTYPE_RSAM_ID&gt;&lt;ATTTYPE_NAME&gt;Date Opened&lt;/ATTTYPE_NAME&gt;&lt;ATTRIBUTE_DATE&gt;2014-08-07T00:00:00&lt;/ATTRIBUTE_DATE&gt;&lt;ATTRIBUTE_ID_R xsi:nil="true" /&gt;&lt;/RECORD_ATTRIBUTE&gt;&lt;RECORD_ATTRIBUTE&gt;&lt;ATTTYPE_ID_R&gt;861&lt;/ATTTYPE_ID_R&gt;&lt;ATT_DATA&gt;Open&lt;/ATT_DATA&gt;&lt;ATTTYPE_RSAM_ID&gt;RSAM01-00000861-033032A0D51F4743A243FBA49B4B70C2&lt;/ATTTYPE_RSAM_ID&gt;&lt;ATTTYPE_NAME&gt;Open / Closed&lt;/ATTTYPE_NAME&gt;&lt;ATTRIBUTE_DATE xsi:nil="true" /&gt;&lt;ATTRIBUTE_ID_R&gt;934&lt;/ATTRIBUTE_ID_R&gt;&lt;/RECORD_ATTRIBUTE&gt;&lt;RECORD_ATTRIBUTE&gt;&lt;ATTTYPE_ID_R&gt;860&lt;/ATTTYPE_ID_R&gt;&lt;ATT_DATA&gt;1. Normal&lt;/ATT_DATA&gt;&lt;ATTTYPE_RSAM_ID&gt;RSAM01-00000860-D3F4EF2599D9448DA6E54ACFAE1B42DB&lt;/ATTTYPE_RSAM_ID&gt;&lt;ATTTYPE_NAME&gt;Alert Status&lt;/ATTTYPE_NAME&gt;&lt;ATTRIBUTE_DATE xsi:nil="true" /&gt;&lt;ATTRIBUTE_ID_R&gt;931&lt;/ATTRIBUTE_ID_R&gt;&lt;/RECORD_ATTRIBUTE&gt;&lt;/ArrayOfRECORD_ATTRIBUTE&gt;&lt;/Results&gt;                     </pre>

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the user is not allowed to view the record attribute details.
<b>HttpStatusCode.OK</b>	200	If the get operation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```

Dim sUrl As String
sUrl="
https://host/APIappName/API/RecordAttribute?FINDING_ID=114375&apikey=5574f001-64b7-49a8-8b21-42f85fe99020"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
                    
```

## Create Record Attribute

This API allows a user with appropriate privileges to create a new record attribute value for attribute types that are not answered.

This table explains the details for the Create Record Attribute procedure.

Item	Description/Format
<b>URI</b>	api/RecordAttribute?APIKey={APIKey}
<b>URL Structure</b>	https://host/api/RecordAttribute?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<b>In JSON</b> <pre>{   "FindingId": 1,   "AttrTypeRsamId": "sample string 2",   "AttrData": "sample string 3",   "AttrId": 1,   "AttrDate": "2017-08-07T12:58:18.3964201+05:30",   "AttrTableId": 1,   "AttrTypeName": "sample string 4"   "IsLDAPGroup": true }</pre>
	<b>In XML</b> <pre>&lt;CreateRecordAttributeRequest xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;   &lt;FindingId&gt;1&lt;/FindingId&gt;   &lt;AttrTypeRsamId&gt;sample string 2&lt;/AttrTypeRsamId&gt;   &lt;AttrData&gt;sample string 3&lt;/AttrData&gt;   &lt;AttrId&gt;1&lt;/AttrId&gt;   &lt;AttrDate&gt;2014-08-07T12:58:18.3964201+05:30&lt;/AttrDate&gt;   &lt;AttrTableId&gt;1&lt;/AttrTableId&gt;   &lt;AttrTypeName&gt;sample string 4&lt;/AttrTypeName&gt;   &lt;IsLDAPGroup&gt;true&lt;/IsLDAPGroup&gt; &lt;/CreateRecordAttributeRequest&gt;</pre>
<b>Response Data</b>	<b>In JSON</b> <pre>{   "Results":   {     "Info":     {       "ErrorCode": "0",       "ErrorMessage": "Record attribute created successfully"     }   } }</pre>
	<b>In XML</b> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Record attribute created successfully&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create new record attributes.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = "{\"FindingId\": \"114375\", \"AttrTypeRsamId\": \"RSAM-00100\", \"AttrData\": \"text\", \"AttrId\": \"\", \"AttrDate\": \"\", \"AttrTableId\": \"\", \"AttrTypeName\": \"\" }"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

## Create Record Attribute Values in a Batch

This API allows a user with appropriate privileges to create new record attribute values for multiple attribute types in a single API request. The values of attribute types such as Text, Check box, and so on can be created with the only exception of the file attachment attribute.

The table below provides details for the Create Record Attribute Values procedure.

Item	Description/Format
<b>URI</b>	<i>Create record attribute values using finding ID</i> api/RecordAttribute/CreateRecordAttributeBatch?APIKey={APIKey}
	<i>Create record attribute values using finding Rsam ID</i> api/RecordAttribute/CreateRecordAttributeByRsamIdBatch?APIKey={APIKey}



Item	Description/Format
URL Structure	<p><b>Create record attribute values using finding ID</b></p> <p>https://host/APIappName/api/RecordAttribute/CreateRecordAttributeBatch?APIKey={APIKey}</p>
	<p><b>Create record attribute values using finding Rsam ID</b></p> <p>https://host/APIappName/api/RecordAttribute/CreateRecordAttributeByRsamIdBatch?APIKey={APIKey}</p>
Http Method	POST
Request Data	<p><b>Create record attribute values using finding ID</b></p> <p><b>In JSON</b></p> <pre>{ "FindingId": 544238, "AttrTypeRsamId": "RSAMR1-00004107-ED7031302BF24CBE842A7E1929CEEE74", "AttrData": "to record from ID", "AttrId": 1, "AttrDate": "", "AttrTableId": 1, "AttrTypeName": "", "IsLDAPGroup": true, "Currency": 6.0, "CurrencyCode": "", "Coordinates": "", "Address": "", "LangRsamId": "RSAM-00001" }</pre> <p><b>In XML</b></p> <pre>&lt;FindingId&gt;544238&lt;/FindingId&gt; &lt;AttrTypeRsamId&gt;RSAMR1-00004107-ED7031302BF24CBE842A7E1929CEEE74&lt;/AttrTypeRsamId&gt; &lt;AttrData&gt;to record from ID&lt;/AttrData&gt; &lt;AttrId&gt;1&lt;/AttrId&gt; &lt;AttrDate&gt;&lt;/AttrDate&gt; &lt;AttrTableId&gt;1&lt;/AttrTableId&gt; &lt;AttrTypeName&gt;&lt;/AttrTypeName&gt; &lt;IsLDAPGroup&gt;true&lt;/IsLDAPGroup&gt; &lt;Currency&gt;6&lt;/Currency&gt; &lt;CurrencyCode&gt;&lt;/CurrencyCode&gt; &lt;Coordinates&gt;&lt;/Coordinates&gt; &lt;Address&gt;&lt;/Address&gt; &lt;LangRsamId&gt;RSAM-00001&lt;/LangRsamId&gt;</pre>
	<p><b>Create record attribute values using finding Rsam ID</b></p> <p><b>In JSON</b></p> <pre>{ "FindingRSAMID": "RSAMR1-00544238-727579E9B4FE4974847949D74860ECE5", "RecordAttributesCollection": [ { "QId": 0, "FindingId": 0, "AttrRsamId": "", "AttrTypeRsamId": "RSAMR1-00005155-3681AE11748F4173AA93DE91B6FC0D9C", "AttrDate": "", "AttrData": "RAID Redundancy in place", "AttrTableRsamId": "-9999", "IsLDAPGroup": "", "Currency": "", "CurrencyCode": "", "Coordinates": "", "Address": "", "IsDelete": false, "LangRsamId": "RSAM-00001" } ] }</pre> <p><b>In XML</b></p> <pre>&lt;FindingRSAMID&gt;RSAMR1-00544238-727579E9B4FE4974847949D74860ECE5&lt;/FindingRSAMID&gt; &lt;RecordAttributesCollection&gt; &lt;QId&gt;0&lt;/QId&gt; &lt;FindingId&gt;0&lt;/FindingId&gt; &lt;AttrRsamId&gt;&lt;/AttrRsamId&gt; &lt;AttrTypeRsamId&gt;RSAMR1-00005155-3681AE11748F4173AA93DE91B6FC0D9C&lt;/AttrTypeRsamId&gt; &lt;AttrDate&gt;&lt;/AttrDate&gt; &lt;AttrData&gt;RAID Redundancy in place&lt;/AttrData&gt; &lt;AttrTableRsamId&gt;-9999&lt;/AttrTableRsamId&gt; &lt;IsLDAPGroup&gt;&lt;/IsLDAPGroup&gt; &lt;Currency&gt;&lt;/Currency&gt; &lt;CurrencyCode&gt;&lt;/CurrencyCode&gt; &lt;Coordinates&gt;&lt;/Coordinates&gt; &lt;Address&gt;&lt;/Address&gt; &lt;IsDelete&gt;&gt;false&lt;/IsDelete&gt; &lt;LangRsamId&gt;RSAM-00001&lt;/LangRsamId&gt; &lt;/RecordAttributesCollection&gt;</pre>

Item	Description/Format
Response Data	<p><b>Create record attribute values using finding ID</b></p> <p><b>In JSON</b></p> <pre>{ "ErrorCode": "0", "ErrorMessage": "[{"qId":null,"findingId":"544238","attTypeRsamId":"RSAMR1-00004107-ED7031302BF24CBE842A7E1929CEEE74"},"success":"true","message":"Record attribute updated successfully."}]" }</pre>
	<p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;[{"qId":null,"findingId":"544238","attTypeRsamId":"RSAMR1-00004107-ED7031302BF24CBE842A7E1929CEEE74"},"success":"true","message":"Record attribute updated successfully."}]&lt;/ErrorMessage&gt;</pre>
	<p><b>Create record attribute values using finding Rsam ID</b></p> <p><b>In JSON</b></p> <pre>{ "ErrorCode": "0", "ErrorMessage": "[{"qId":"0","findingId":"544238","attTypeRsamId":"RSAMR1-00005155-3681AE11748F4173AA93DE91B6FC0D9C"},"success":"true","message":"Record attribute updated successfully."}]" }</pre>
	<p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;[{"qId":"0","findingId":"544238","attTypeRsamId":"RSAMR1-00005155-3681AE11748F4173AA93DE91B6FC0D9C"},"success":"true","message":"Record attribute updated successfully."}]&lt;/ErrorMessage&gt;</pre>

### Method Parameters

Parameter	Description
<b>QID</b>	These parameters can be left blank. They are used for internal purposes.
<b>FindingId</b>	
<b>IsDelete</b>	

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create the object attribute values.
<b>HttpStatusCode.OK</b>	200	If the post operation is successful.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.
<b>HttpStatusCode.InternalServerError</b>	500	If any other error occurs such as incorrect URL, parameter missing, and so on.

## Example in vb.net

### Create record attribute values using finding ID

```
Dim sData As String = String.Empty
'Construct the JSON data
sData = [
{
  "FindingId": 129545,
  "AttrTypeRsamId": "RSAMR6-00002842-C0FA88E3CCD644B6A77A42977538F0A3",
  "AttrData": "Text to update1",
  "AttrId": 1,
  "AttrDate": "",
  "AttrTableId": "",
  "AttrTypeName": "",
  "IsLDAPGroup": "false",
  "Currency": "",
  "CurrencyCode": "",
  "Coordinates": "",
  "Address": "",
  "LangRsamId": ""
},
{
  "FindingId": 129545,
  "AttrTypeRsamId": "RSAMR6-00009421-62FC25542E844B908A3A2CD9B03AC744",
  "AttrData": "Text to update2",
  "AttrId": "",
  "AttrDate": "",
  "AttrTableId": "",
  "AttrTypeName": "",
  "IsLDAPGroup": "false",
  "Currency": "",
  "CurrencyCode": "",
  "Coordinates": "",
  "Address": "",
  "LangRsamId": ""
}
]
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
  oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
  oRequest.Method = "POST"
  oRequest.ContentType = "text/json"
  oRequest.Accept = "text/json"
  If sData IsNot Nothing AndAlso sData.Length > 0 Then
    Using oWriter As New StreamWriter(oRequest.GetRequestStream())
      oWriter.Write(sData)
    End Using
  End If
  oResponse = oRequest.GetResponse()
  Using oReader As New StreamReader(oResponse.GetResponseStream())
    sReturnValue = oReader.ReadToEnd()
  End Using
Catch e As WebException
  'Handle the web exception
Catch ex As Exception
  'Handle the exception
End Try
```

### Create record attribute values using finding Rsam ID

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{
  " FindingRSAMID": "RSAMR6-00000139-EFC49738E2934E98B443C2591018612D",
  "ObjectAttributesCollection": [
    {
      "QId": "0",
      "FindingId": "",
      "AttrRsamId": "",
      "AttrTypeRsamId": "RSAMR6-00002842-C0FA88E3CCD644B6A77A42977538F0A3",
      "AttrDate": "",
      "AttrData": "Text to update1",
      "AttrTableRsamId": "",
      "IsLDAPGroup": "false",
      "Currency": "",
      "CurrencyCode": "",
      "Coordinates": "",
      "Address": "",
      "IsDelete": "",
      "LangRsamId": "RSAM-00001"
    },
    {
      "QId": "0",
      "FindingId": "",
      "AttrRsamId": "",
      "AttrTypeRsamId": "RSAMR6-00009421-62FC25542E844B908A3A2CD9B03AC744",
      "AttrDate": "",
      "AttrData": "Text to update2",
      "AttrTableRsamId": "",
      "IsLDAPGroup": "false",
      "Currency": "",
      "CurrencyCode": "",
      "Coordinates": "",
      "Address": "",
      "IsDelete": "",
      "LangRsamId": "RSAM-00001"
    }
  ]
}"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
  oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
  oRequest.Method = "POST"
  oRequest.ContentType = "text/json"
  oRequest.Accept = "text/json"
  If sData IsNot Nothing AndAlso sData.Length > 0 Then
    Using oWriter As New StreamWriter(oRequest.GetRequestStream())
      oWriter.Write(sData)
    End Using
  End If
  oResponse = oRequest.GetResponse()
  Using oReader As New StreamReader(oResponse.GetResponseStream())
    sReturnValue = oReader.ReadToEnd()
  End Using
Catch e As WebException
  'Handle the web exception

```

```
Catch ex As Exception
'Handle the exception
End Try
```

## Update Record Attribute

This API allows a user with the appropriate privileges to update the details of a record attribute with the provided data.

This table explains the details for the Update Record Attribute procedure.

Item	Description/Format
<b>URI</b>	api/RecordAttribute/ATTRIBUTE?APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/RecordAttribute/ATTRIBUTE?APIKey={APIKey}
<b>Http Method</b>	PUT
<b>Request Data</b>	<b>In JSON</b> <pre>{   "FindingId": 1,   "AttrTypeRsamId": "sample string 2",   "AttrRsamId": "sample string 3",   "AttrData": "sample string 4",   "AttrDate": "2017-08-08T19:17:00.317769+05:30",   "AttrTableId": 1   "IsLDAPGroup": true }</pre>
	<b>In XML</b> <pre>&lt;UpdateRecordAttrByAttrRsamIdRequest xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;   &lt;FindingId&gt;1&lt;/FindingId&gt;   &lt;AttrTypeRsamId&gt;sample string 2&lt;/AttrTypeRsamId&gt;   &lt;AttrRsamId&gt;sample string 3&lt;/AttrRsamId&gt;   &lt;AttrData&gt;sample string 4&lt;/AttrData&gt;   &lt;AttrDate&gt;2017-08-08T19:17:00.317769+05:30&lt;/AttrDate&gt;   &lt;AttrTableId&gt;1&lt;/AttrTableId&gt;   &lt;IsLDAPGroup&gt;true&lt;/IsLDAPGroup&gt; &lt;/UpdateRecordAttrByAttrRsamIdRequest&gt;</pre>
<b>Response Data</b>	<b>In JSON</b> <pre>{   "Results":   {     "Info":{       "ErrorCode": "0",       "ErrorMessage": "Record attribute updated successfully."     }   } }</pre>
	<b>In XML</b> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Record attribute updated successfully.&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to update record attribute values.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{\"FindingId\": \"111257\", \"AttrTypeRsamId\": \"RSAM01-00001130-7F9F8089D53D4B0F87D35D54A3B36089\", \"AttrRsamId\": \"\", \"AttrData\": \"apiuser\", \"AttrDate\": \"\", \"AttrTableId\": \"2171\" }"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "PUT"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try

```

## Delete Record Attribute

This API allows a user with the appropriate privileges to delete a record attribute value that matches the given Record ID and Attribute ID.

This table explains the details for the Delete Record Attribute procedure.

Item	Description/Format
<b>URI</b>	<p><i>Delete using a specific attribute type id</i></p> <p>api/RecordAttribute?FINDING_ID={FINDING_ID}&amp;FINDING_ATTR_ID={FINDING_ATTR_ID}&amp;APIKey={APIKey}</p>
	<p><i>Delete using a specific attribute type RSAM_ID</i></p> <p>api/RecordAttribute?FINDING_ID={FINDING_ID}&amp;ATT_RSAM_ID={ATT_RSAM_ID}&amp;APIKey={APIKey}</p>

Item	Description/Format
<b>URL Structure</b>	<i>Delete using a specific attribute type id</i> https://host/APIappName/api/RecordAttribute?FINDING_ID={FINDING_ID}&FINDING_ATTR_ID={FINDING_ATTR_ID}&APIKey={APIKey}
	<i>Delete using a specific attribute type RSAM_ID</i> https://host/APIappName/api/RecordAttribute?FINDING_ID={FINDING_ID}&ATT_RSAM_ID={ATT_RSAM_ID}&APIKey={APIKey}
<b>Http Method</b>	DELETE
<b>Request Data</b>	<i>https://host/APIappName/API/RecordAttribute?FINDING_ID=21543&amp;FINDING_ATTR_ID=238460&amp;apikey=771b6b73-3304-4757-bc41-29e3484245a9</i>
<b>Response Data</b>	<b>In JSON</b> <pre>{   "Results":   {     "Info":     {       "ErrorCode": "0",       "ErrorMessage": "Record attribute deleted successfully",     }   } }</pre>
	<b>In XML</b> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;Record attribute deleted successfully&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to delete record attribute details.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sUrl As String
sUrl="https://host/APIappName/API/RecordAttribute?FINDING_ID=21543&FINDING_ATTR_ID=238460&apikey=771b6b73-3304-4757-bc41-29e3484245a9"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "DELETE"
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
```

## Record Attachment Attributes

Record Attachment Attributes are the attributes defined for use with Records. Use the commands in the following section to get, upload, download, and delete record attachment attribute values.

### Get File Attachment Details from a Record Attachment Attribute

This API allows a user with appropriate privileges to get the file name and the contents of the file from a record attachment attribute. The content will be in Base64 format.

The table below provides details for the Get File Attachment Details procedure.

Item	Description/Format
<b>URI</b>	<i>Get file attachment details using finding ID</i> api/RecordAttribute/GetFileAttachmentDetails?FINDING_ID={FINDING_ID}&ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&APIKey={APIKey}
<b>URL Structure</b>	<i>Get file attachment details using finding ID</i> https://host/APIappName/api/RecordAttribute/GetFileAttachmentDetails?FINDING_ID={FINDING_ID}&ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&APIKey={APIKey}
<b>Http Method</b>	GET
<b>Request Data</b>	<i>http://localhost:86/RSAM_API/api/RecordAttribute/GetFileAttachmentDetails?FINDING_ID=924597&amp;ATTTYPE_RSAM_ID=DST R6-00004091-B40A2CE992DF417E88B3109C972EC94D&amp;APIKey=dbcccca7-7728-4e32-9b71-72fa9a070d8a</i>
<b>Response Data</b>	<b>In JSON</b> [{"BFILE_ID":2099,"BFILE_NAME":"sample.zip","BFILE_SIZE":2697}, {"BFILE_ID":2113,"BFILE_NAME":"sample.txt","BFILE_SIZE":2697}]
	<b>In XML</b> <0> <BFILE_ID>2099</BFILE_ID> <BFILE_NAME>sample.zip</BFILE_NAME> <BFILE_SIZE>2697</BFILE_SIZE> </0> <1> <BFILE_ID>2113</BFILE_ID> <BFILE_NAME>sample.txt</BFILE_NAME> <BFILE_SIZE>2697</BFILE_SIZE> </1>

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create the object attribute values.
<b>HttpStatusCode.OK</b>	200	If the get operation is successful.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.
<b>HttpStatusCode.InternalServerError</b>	500	If any other error occurs such as incorrect URL, parameter missing, and so on.



## Example in vb.net

### Get file attachment details using finding ID

```

Dim sUrl As String
sUrl =
"https://host/APIappName/API/RecordAttribute/GetFileAttachmentDetails?FINDING_ID=65548&ATTYP
E_RSAM_ID= RSAM01-00000021-CBBA3FD35EB64BB4B57A6846ADE99512&apikey=4c3a821e-0c99-420b-8579-
6dd97b055b66"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
    
```

## Upload File to a Record Attachment Attribute

This API allows a user with appropriate privileges to upload a file to a file attachment attribute of a record.

The table below provides details for the File Attachment Attribute procedure.

Item	Description/Format
<b>URI</b>	<i>Upload using finding ID</i> api/RecordAttribute/FileAttachmentAttribute?APIKey={APIKey}
	<i>Upload using finding RSAM ID</i> api/ObjectAttribute/FileAttachmentAttributeByRsamID?APIKey={APIKey}
<b>URL Structure</b>	<i>Upload using finding ID</i> https://host/APIappName/api/RecordAttribute/FileAttachmentAttribute?APIKey={APIKey}
	<i>Upload using finding RSAM ID</i> api/ObjectAttribute/FileAttachmentAttributeByRsamID?APIKey={APIKey}
<b>Http Method</b>	POST
<b>Request Data</b>	<i>Upload using finding ID</i> <b>In JSON</b> { "Id": 351612, "AttrTypeRsamId": "RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41", "AttrAttachmentData": "PHNjcmlwdD5hbGVydCgxmjMpc9zY3JpcHQ+Cg==", "AttrData": "sample.txt", "CompressionMode": 0, "FileSize": "" }
	<b>In XML</b> <Id>351612</Id> <AttrTypeRsamId>RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41</AttrTypeRsamId> <AttrAttachmentData>PHNjcmlwdD5hbGVydCgxmjMpc9zY3JpcHQ+Cg==</AttrAtta

Item	Description/Format
	<p><i>chmentData</i> &lt;AttrData&gt;sample.txt&lt;/AttrData&gt; &lt;CompressionMode&gt;0&lt;/CompressionMode&gt; &lt;FileSize&gt;&lt;/FileSize&gt;</p> <p><b>Upload using finding RSAM ID</b></p> <p><b>In JSON</b></p> <pre>{ "RsamID": "RSAM03-00351625-4672F75B380A429B990A3AB529D34944",   "AttrTypeRsamId": "RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41",   "AttrAttachmentData": "dGVzdCAxMSFAIyQlXiYqKCIyQlXiYqKA==", "AttrData":   "sample.txt", "CompressionMode": 0, "FileSize": 0, "FileRsamId": "", "IsDelete": true }</pre> <p><b>In XML</b></p> <pre>&lt;RsamID&gt;RSAM03-00351625-4672F75B380A429B990A3AB529D34944&lt;/RsamID&gt; &lt;AttrTypeRsamId&gt;RSAM01-00018564- 7EE9263CA82E4825958C485DB4A85B41&lt;/AttrTypeRsamId&gt; &lt;AttrAttachmentData&gt;dGVzdCAxMSFAIyQlXiYqKCIyQlXiYqKA==&lt;/AttrAttachmentD ata&gt; &lt;AttrData&gt;sample.txt&lt;/AttrData&gt; &lt;CompressionMode&gt;0&lt;/CompressionMode&gt; &lt;FileSize&gt;0&lt;/FileSize&gt; &lt;FileRsamId&gt;&lt;/FileRsamId&gt; &lt;IsDelete&gt;true&lt;/IsDelete&gt;</pre>
<b>Response Data</b>	<p><b>Upload using finding ID</b></p> <p><b>In JSON</b></p> <pre>{"ErrorCode": "0", "ErrorMessage": "[{"FileName": "sample.txt", "Success": "True", "Message": "Attached Successfully."}]"}</pre> <p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;[{"FileName": "sample.txt", "Success": "True", "Message": "A ttached Successfully."}]&lt;/ErrorMessage&gt;</pre>
	<p><b>Upload using finding RSAM ID</b></p> <p><b>In JSON</b></p> <pre>{"ErrorCode": "0", "ErrorMessage": "Attached Successfully."}</pre> <p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;Attached Successfully.&lt;/ErrorMessage&gt;</pre>

### Method Parameters

Parameter	Description
<b>AttrAttachmentData</b>	The Base64 format of the file to be uploaded must be entered in this field.
<b>AttrData</b>	The name of the file to be uploaded with its extension must be entered in this field.
<b>CompressionMode</b>	<p>The accepted values are 0 and 1, where:</p> <ul style="list-style-type: none"> <li>0 = File is encoded in Base64 format</li> <li>1 = File is compressed and encoded in Base64 format</li> </ul> <p><b>Note:</b> Zip files (.zip) are the only accepted compression format, and the size</p>

Parameter	Description
	of the file should not be more than 20 MB.
<b>FileSize</b>	This is an optional field. The size of the file being uploaded can be mentioned in this field for faster processing of the API request.
<b>isDelete</b>	This is an optional field and is used for internal purpose.

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create the object attribute values.
<b>HttpStatusCode.OK</b>	200	If the post operation is successful.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.
<b>HttpStatusCode.InternalServerError</b>	500	If any other error occurs such as incorrect URL, parameter missing, and so on.

## Example in vb.net

### Upload using finding ID

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{"Id": "12016", "AttrTypeRsamId": "RSAM01-00003645-AE5AD96597B44090A3F10AF970FB2B64", "AttrAttachmentData": "bXkgc2FtcGx1IHNoCmluZw==", "AttrData": "MyFileName.txt", "CompressionMode": 0, "FileSize": 16 }"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
    
```

### Upload using finding RSAM ID

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = {"RsamID": "RSAMR6-00000111-335274B251D84679AD1FB5244712B563", "AttrTypeRsamId": "RSAM01-00003645-AE5AD96597B44090A3F10AF970FB2B64", "AttrAttachmentData": "bXkgc2FtcGx1IHNoCmluZw==", "AttrData": "MyFileName.txt", "CompressionMode": 0, "FileSize": 16, "FileRsamId": "RSAMR6-00000119-0D616E13FAC34DE695AA42D1A822104D", "IsDelete": false}
    
```

```

Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "POST"
oRequest.ContentType = "text/json"
oRequest.Accept = "text/json"
If sData IsNot Nothing AndAlso sData.Length > 0 Then
Using oWriter As New StreamWriter(oRequest.GetRequestStream())
oWriter.Write(sData)
End Using
End If
oResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Catch e As WebException
'Handle the web exception
Catch ex As Exception
'Handle the exception
End Try
    
```

### Download File from a Record Attachment Attribute

This API allows a user with appropriate privileges to download a file from the file attachment attribute of a record.

The table below provides details for the Get Record File Attachment procedure.

Item	Description/Format
<b>URI</b>	<p><i>Download using file ID and finding ID</i></p> <p>api/RecordAttribute/GetAttachment?FILE_ID={FILE_ID}&amp;FINDING_ID={FINDING_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;CompressionMode={CompressionMode}&amp;APIKey={APIKey}</p>
	<p><i>Download using file Rsam ID and finding Rsam ID</i></p> <p>api/RecordAttribute/GetAttachmentByRsamId?FILE_RSAM_ID={FILE_RSAM_ID}&amp;FINDING_RSAM_ID={FINDING_RSAM_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;CompressionMode={CompressionMode}&amp;APIKey={APIKey}</p>
<b>URL Structure</b>	<p><i>Download using file ID and finding ID</i></p> <p>https://host/APIappName/api/RecordAttribute/GetAttachment?FILE_ID={FILE_ID}&amp;FINDING_ID={FINDING_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;CompressionMode={CompressionMode}&amp;APIKey={APIKey}</p>
	<p><i>Download using file Rsam ID and finding Rsam ID</i></p> <p>https://host/APIappName/api/RecordAttribute/GetAttachmentByRsamId?FILE_RSAM_ID={FILE_RSAM_ID}&amp;FINDING_RSAM_ID={FINDING_RSAM_ID}&amp;ATTTYPE_RSAM_ID={ATTTYPE_RSAM_ID}&amp;CompressionMode={CompressionMode}&amp;APIKey={APIKey}</p>
<b>Http Method</b>	GET

Item	Description/Format
Request Data	<p><b>Download using file ID and finding ID</b></p> <pre>http://localhost:2202/RSAM_API/api/RecordAttribute/GetAttachment?FILE_ID=9497&amp;FINDING_ID=351612&amp;ATTTYPE_RSAM_ID=RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41&amp;CompressionMode=0&amp;APIKey=96e1e54e-678a-4dc9-aa83-367a8f7896bf</pre>
	<p><b>Download using file Rsam ID and finding Rsam ID</b></p> <pre>http://localhost:2202/RSAM_API/api/RecordAttribute/GetAttachmentByRsamId?FILE_RSAM_ID=RSAM03-00010579-4B7FD4A40014494D97AF4A5CA895A5ED&amp;FINDING_RSAM_ID=RSAM03-00351612-1E8B8481856C46A186523CDE4FF82765&amp;ATTTYPE_RSAM_ID=RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41&amp;CompressionMode=0&amp;APIKey=96e1e54e-678a-4dc9-aa83-367a8f7896bf</pre>
Response Data	<p><b>Download using file ID and finding ID</b></p> <p><b>In JSON</b></p> <pre>[{"BFILE_NAME":"sample.txt","BFILE_DATA":"dGVzdA==","MESSAGE":[{"fileId":"9497","success":"True","message":"File downloaded successfully."}]}]</pre> <p><b>In XML</b></p> <pre>&lt;BFILE_NAME&gt;sample.txt&lt;/BFILE_NAME&gt; &lt;BFILE_DATA&gt;dGVzdA==&lt;/BFILE_DATA&gt; &lt;MESSAGE&gt;[{"fileId":"9497","success":"True","message":"File downloaded successfully."}]&lt;/MESSAGE&gt;</pre>
	<p><b>Download using file Rsam ID and finding Rsam ID</b></p> <p><b>In JSON</b></p> <pre>[{"BFILE_NAME":"sample.txt","BFILE_DATA":"dGVzdA==","MESSAGE":[{"fileId":"RSAM03-00010579-4B7FD4A40014494D97AF4A5CA895A5ED","success":"true","message":"File downloaded successfully."}]}]</pre> <p><b>In XML</b></p> <pre>&lt;BFILE_NAME&gt;sample.txt&lt;/BFILE_NAME&gt; &lt;BFILE_DATA&gt;dGVzdA==&lt;/BFILE_DATA&gt; &lt;MESSAGE&gt;[{"fileId":"RSAM03-00010579-4B7FD4A40014494D97AF4A5CA895A5ED","success":"true","message":"File downloaded successfully."}]&lt;/MESSAGE&gt;</pre>

## Method Parameters

Parameter	Description
<b>CompressionMode</b>	<p>The accepted values are 0 and 1, where:</p> <ul style="list-style-type: none"> <li>0 = File is encoded in Base64 format</li> <li>1 = File is compressed and encoded in Base64 format</li> </ul>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create the object attribute values.
<b>HttpStatusCode.OK</b>	200	If the get operation is successful.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.
<b>HttpStatusCode.InternalServerError</b>	500	If any other error occurs such as incorrect URL, parameter missing, and so on.

### Example in vb.net

#### Download using file ID and finding ID

```
Dim sUrl As String
sUrl =
"https://host/APIappName/API/RecordAttribute/GetAttachment?FILE_ID=1257&FINDING_ID=65548&ATT
TYPE_RSAM_ID=RSAM01-00000021-CBBA3FD35EB64BB4B57A6846ADE99512&
CompressionMode=0&apikey=4c3a821e-0c99-420b-8579-6dd97b055b66"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

#### Download using file Rsam ID and finding Rsam ID

```
Dim sUrl As String
sUrl = "https://host/APIappName/API/RecordAttribute/GetAttachment?FILE_RSAM_ID=RSAMR6-
00003118-4C2698F38AA14F77899EE9D9369DEA17&FINDING_RSAM_ID= RSAMR6-00003121-
6F7360EF33794D00A0EA4DD2E1E9981B&ATTTYPE_RSAM_ID=RSAM01-00000021-
CBBA3FD35EB64BB4B57A6846ADE99512&CompressionMode=0&apikey=4c3a821e-0c99-420b-8579-
6dd97b055b66"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

## Delete File from a Record Attachment Attribute

This API allows a user with appropriate privileges to delete a file from the attachment attribute of a record.

The table below provides details for the Delete Record Attachment Attribute procedure.

Item	Description/Format
<b>URI</b>	<p><i>Delete using finding ID and file ID</i></p> <pre>api/RecordAttribute/DeleteAttachmentAttribute?FINDING_ID={FINDING_ID}&amp;FILE_ID={FILE_ID}&amp;ATTTYPERSAM_ID={ATTTYPERSAM_ID}&amp;APIKey={APIKey}</pre>
	<p><i>Delete by excluding the file(s) with the Rsam ID passed</i></p> <pre>api/RecordAttribute/DeleteAttributeAttachmentsExcludingFileRsamID?APIKey={APIKey}</pre>
<b>URL Structure</b>	<p><i>Delete using finding ID and file ID</i></p> <pre>https://host/APIappName/api/RecordAttribute/DeleteAttachmentAttribute?FINDING_ID={FINDING_ID}&amp;FILE_ID={FILE_ID}&amp;ATTTYPERSAM_ID={ATTTYPERSAM_ID}&amp;APIKey={APIKey}</pre>
	<p><i>Delete by excluding the file(s) with the Rsam ID passed</i></p> <pre>api/RecordAttribute/DeleteAttributeAttachmentsExcludingFileRsamID?APIKey={APIKey}</pre>
<b>Http Method</b>	DELETE
<b>Request Data</b>	<p><i>Delete using finding ID and file ID</i></p> <pre>http://localhost:2202/RSAM_API/api/RecordAttribute/DeleteAttachmentAttribute?FINDING_ID=351612&amp;FILE_ID=9497&amp;ATTTYPERSAM_ID=RSAM01-00018564-7EE9263CA82E4825958C485DB4A85B41&amp;APIKey=96e1e54e-678a-4dc9-aa83-367a8f7896bf</pre>
	<p><i>Delete by excluding the file(s) with the Rsam ID passed</i></p> <p><b>In JSON</b></p> <pre>{ "RsamId": "RSAM03-00351625-4672F75B380A429B990A3AB529D34944", "AttrTypeRsamId": "RSAM01-00019592-B70B7A39E38E41BABD3264B7978EBD0B", "DeleteAttachmentAttributeCollection": [ { "QID": 1, "FileRsamId": "RSAM03-00010591-76464A4365C14C698A1363AFF59773E1" } ] }</pre> <p><b>In XML</b></p> <pre>&lt;RsamId&gt;RSAM03-00351625-4672F75B380A429B990A3AB529D34944&lt;/RsamId&gt; &lt;AttrTypeRsamId&gt;RSAM01-00019592-B70B7A39E38E41BABD3264B7978EBD0B&lt;/AttrTypeRsamId&gt; &lt;DeleteAttachmentAttributeCollection&gt; &lt;QID&gt;1&lt;/QID&gt; &lt;FileRsamId&gt;RSAM03-00010591-76464A4365C14C698A1363AFF59773E1&lt;/FileRsamId&gt; &lt;/DeleteAttachmentAttributeCollection&gt;</pre>
<b>Response Data</b>	<i>Delete using finding ID and file ID</i>

Item	Description/Format
	<p><b>In JSON</b></p> <pre>{"ErrorCode": "0", "ErrorMessage": "[{"fileId": "9497", "success": "true", "message": "Deleted file successfully."}]"}</pre> <p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;[{"fileId": "9497", "success": "true", "message": "Deleted file successfully."}]&lt;/ErrorMessage&gt;</pre>
	<p><b>Delete by excluding the file(s) with the Rsam ID passed</b></p> <p><b>In JSON</b></p> <pre>{"ErrorCode": "0", "ErrorMessage": "[{"Q_ID": -1, "FINDING_ID": 351625, "ATT_TYPE_RSAM_ID": "RSAM01-00019592-B70B7A39E38E41BABD3264B7978EBD0B", "CODE": "true", "ARQ_MESSAGE": "File deleted successfully", "NEW_ID": "RSAM03-00010636-A783E41A9D3A41F4B08237F300EF314E"}]"}</pre> <p><b>In XML</b></p> <pre>&lt;ErrorCode&gt;0&lt;/ErrorCode&gt; &lt;ErrorMessage&gt;[{"Q_ID": -1, "FINDING_ID": 351625, "ATT_TYPE_RSAM_ID": "RSAM01-00019592-B70B7A39E38E41BABD3264B7978EBD0B", "CODE": "true", "ARQ_MESSAGE": "File deleted successfully", "NEW_ID": "RSAM03-00010636-A783E41A9D3A41F4B08237F300EF314E"}]&lt;/ErrorMessage&gt;</pre>

**NOTE:** Use extreme caution when using the **DeleteAttributeAttachmentsExcludingFileRsamID** option because this will delete all the files from the attachment attribute except the files with the Rsam ID given in the Request Data.

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to create the object attribute values.
<b>HttpStatusCode.OK</b>	200	If the delete operation is successful.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.
<b>HttpStatusCode.InternalServerError</b>	500	If any other error occurs such as incorrect URL, parameter missing, and so on.

### Example in vb.net

#### Delete using finding ID and file ID

```
Dim sUrl As String
sUrl =
"https://host/APIappName/API/RecordAttribute/DeleteAttachmentAttribute?FINDING_ID=65586&FILE_ID=1259&ATTTYPE_RSAM_ID= RSAM01-00000021-CBBA3FD35EB64BB4B57A6846ADE99512&apikey=4c3a821e-0c99-420b-8579-6dd97b055b66"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "DELETE"
oRequest.Timeout = 600000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
```



```

Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue

```

### **Delete by excluding the file(s) with the Rsam ID passed**

```

Dim sData As String = String.Empty
'Construct the JSON data
sData = "{
  "RsamId": "RSAMR6-00145938-EC55C74807334755B4DE63B05E4391DA",
  "AttrTypeRsamId": "RSAM01-00000274-13AF571F07554213999B6EFD27E6121B",
  "DeleteAttachmentAttributeCollection": [
    {
      "QID": 0,
      "FileRsamId": "RSAMR6-00140829-A41D65075F9C4787A1CD4CD868MB459"
    },
    {
      "QID": 0,
      "FileRsamId": "RSAMR6-00140829-A41D65075F9C4787A1CD4CD863BQQW2"
    }
  ]
}"
Dim oRequest As HttpWebRequest
Dim oResponse As HttpWebResponse
Try
  oRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
  oRequest.Method = "DELETE"
  oRequest.ContentType = "text/json"
  oRequest.Accept = "text/json"
  If sData IsNot Nothing AndAlso sData.Length > 0 Then
    Using oWriter As New StreamWriter(oRequest.GetRequestStream())
      oWriter.Write(sData)
    End Using
  End If
  oResponse = oRequest.GetResponse()
  Using oReader As New StreamReader(oResponse.GetResponseStream())
    sReturnValue = oReader.ReadToEnd()
  End Using
Catch e As WebException
  'Handle the web exception
Catch ex As Exception
  'Handle the exception
End Try

```

# Search

Saved Searches are created and saved in Rsam to retrieve results and use them when required. Use the commands in the following section to find and execute saved searches.

## Get Search

This API allows the user to get a list of the RSAM Search data matching the given data.

This table explains the details for the Get Search procedure.

Item	Description/Format
<b>URL</b>	api/Search?SEARCH_ID={SEARCH_ID}&SEARCH_TYPE={SEARCH_TYPE}&SEARCH_NAME={SEARCH_NAME}&OWNER_ID={OWNER_ID}&APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/Search?SEARCH_ID={SEARCH_ID}&SEARCH_TYPE={SEARCH_TYPE}&SEARCH_NAME={SEARCH_NAME}&OWNER_ID={OWNER_ID}&APIKey={APIKey}
<b>Http Method</b>	GET
<b>Request Data</b>	<i>https://host/APIappName/API/Search?SEARCH_ID=2330&amp;SEARCH_TYPE=1&amp;SEARCH_NAME=&amp;OWNER_ID=&amp;apikey=60185720-919b-47b2-98d0-1703946623f9</i>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>{   "SEARCH_ID":2330,   "SEARCH_TYPE":1,   "SEARCH_ACCESS":0,   "SEARCH_NAME":"APISearch",   "USER_ID_R":"Example_admin",   "ROLES":null,   "SEARCH_USE_ATTTYPE":19, }</pre>
	<p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt; ErrorMessage&gt;Success&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;ArrayOfSEARCH1 xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;SEARCH1&gt;&lt;SEARCH_ID&gt;2330&lt; /SEARCH_ID&gt;&lt;SEARCH_TYPE&gt;1&lt;/SEARCH_TYPE&gt;&lt;SEARCH_ACCESS&gt;0&lt;/SEARCH_ACCESS&gt; &lt;SEARCH_NAME&gt;APISearch&lt;/SEARCH_NAME&gt;&lt;USER_ID_R&gt;Example_admin&lt;/USER_ID_R &gt;&lt;SEARCH_USE_ATTTYPE&gt;19&lt;/SEARCH_USE_ATTTYPE&gt;&lt;RECORDS_TO_RETURN&gt;0&lt;/RECOR DS_TO_RETURN&gt;&lt;RECORDS_PER_PAGE&gt;10&lt;/RECORDS_PER_PAGE&gt;&lt;GOTO_FINDINGS&gt;0&lt;/G OTO_FINDINGS&gt;&lt;SEARCH_DESC&gt;APISearch&lt;/SEARCH_DESC&gt;&lt;DISPLAY_GROUP_NAMES&gt;0 &lt;/DISPLAY_GROUP_NAMES&gt;&lt;BYPASS_RECORDS_TO_RETURN&gt;&gt;true&lt;/BYPASS_RECORDS_TO _RETURN&gt;&lt;SEARCH_RSAM_ID&gt;RSAM01-00002330- A8ACD5BAC7B7489E84A9CD6C682F3BD5&lt;/SEARCH_RSAM_ID&gt;&lt;/SEARCH1&gt;&lt;/ArrayOfSEA RCH1&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-user is not allowed to view the search details.
<b>HttpStatusCode.OK</b>	200	If the get operation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sUrl As String
sUrl="https://host/APIappName/API/Search?SEARCH_ID=2330&SEARCH_TYPE=1&SEARCH_NAME=&OWNER_ID=&apikey=60185720-919b-47b2-98d0-1703946623f9"
Dim oRequest As HttpWebRequest = TryCast (WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

## Get Search Results

This API allows the user to get the results of a given RSAM Saved Search.

This table explains the details for the Get Search Results procedure.

Item	Description / Format
<b>URI</b>	api/SearchResults?SEARCH_RSAM_ID={SEARCH_RSAM_ID}&APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/SearchResults?SEARCH_RSAM_ID={SEARCH_RSAM_ID}&APIKey={APIKey}
<b>Http Method</b>	GET
<b>Request Data</b>	<i>https://host/APIappName/API/SearchResults?SEARCH_RSAM_ID=RSAM01-00002330-A8ACD5BAC7B7489E84A9CD6C682F3BD5&amp;apikey=4d9b359e-1f7b-4754-adea-7aa690237f0d</i>
<b>Response Data</b>	<p><b>In JSON</b></p> <pre>{   "Table": [{"FINDING_ID":21543,"FF11-Record Category":"Library: Assessment Procedures","FF12-Record Type":"Assessment Procedure Definition","OF3-Object Name":"Definitions Library","FF13-Record Workflow State":"N/A"}, {"FINDING_ID":21544,"FF11-Record Category":"Library: Assessment Procedures","FF12-Record Type":"Assessment Procedure Definition","OF3-Object Name":"Definitions Library","FF13-Record Workflow State":"N/A"}, {"FINDING_ID":21545,"FF11-Record Category":"Library: Assessment Procedures","FF12-Record Type":"Assessment Procedure Definition","OF3-Object Name":"Definitions Library","FF13-Record Workflow State":"N/A"}, {"FINDING_ID":21546,"FF11-Record Category":"Library: Assessment Procedures","FF12-Record</pre>

Item	Description/Format
	<p>Type": "Assessment Procedure Definition", "OF3-Object Name": "Definitions Library", "FF13-Record Workflow State": "N/A"}, {"FINDING_ID": 21547, "FF11-Record Category": "Library: Assessment Procedures", "FF12-Record Type": "Assessment Procedure Definition", "OF3-Object Name": "Definitions Library", "FF13-Record Workflow State": "N/A"}, {"FINDING_ID": 21548, "FF11-Record Category": "Library: Assessment Procedures", "FF12-Record Type": "Assessment Procedure Definition", "OF3-Object Name": "Definitions Library", "FF13-Record Workflow State": "N/A"}, {"FINDING_ID": 21549, "FF11-Record Category": "Library: Assessment Procedures", "FF12-Record Type": "Assessment Procedure Definition", "OF3-Object Name": "Definitions Library", "FF13-Record Workflow State": "N/A" }</p> <p><b>In XML</b></p> <pre>&lt;Results&gt;&lt;Info xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="https://www.w3.org/2001/XMLSchema"&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt; ErrorMessage&gt;Success&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;DataSet&gt;&lt;xs:schema id="NewDataSet" xmlns="" xmlns:xs="https://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"&gt;&lt;xs:element name="NewDataSet" msdata:IsDataSet="true" msdata:UseCurrentLocale="true"&gt;&lt;xs:complexType&gt;&lt;xs:choice minOccurs="0" maxOccurs="unbounded"&gt;&lt;xs:element name="Table"&gt;&lt;xs:complexType&gt;&lt;xs:sequence&gt;&lt;xs:element name="FINDING_ID" type="xs:int" minOccurs="0" /&gt;&lt;xs:element name="FF11_x00AC_Record_x0020_Category" type="xs:string" minOccurs="0" /&gt;&lt;xs:element name="FF12_x00AC_Record_x0020_Type" type="xs:string" minOccurs="0" /&gt;&lt;xs:element name="OF3_x00AC_Object_x0020_Name" type="xs:string" minOccurs="0" /&gt;&lt;xs:element name="FF13_x00AC_Record_x0020_Workflow_x0020_State" type="xs:string" minOccurs="0" /&gt;&lt;/xs:sequence&gt;&lt;/xs:complexType&gt;&lt;/xs:element&gt;&lt;/xs:choice&gt;&lt;/xs:complexT ype&gt;&lt;/xs:element&gt;&lt;/xs:schema&gt;&lt;diffgr:diffgram xmlns:msdata="urn:schemas-microsoft-com:xml-msdata" xmlns:diffgr="urn:schemas-microsoft-com:xml-diffgram- v1"&gt;&lt;NewDataSet&gt;&lt;Table diffgr:id="Table1" msdata:rowOrder="0"&gt;&lt;FINDING_ID&gt;21543&lt;/FINDING_ID&gt;&lt;FF11_x00AC_Record_x0 020_Category&gt;Library: Assessment Procedures&lt;/FF11_x00AC_Record_x0020_Category&gt;&lt;FF12_x00AC_Record_x0020_T ype&gt;Assessment Procedure Definition&lt;/FF12_x00AC_Record_x0020_Type&gt;&lt;OF3_x00AC_Object_x0020_Name&gt;D efinitions Library&lt;/OF3_x00AC_Object_x0020_Name&gt;&lt;FF13_x00AC_Record_x0020_Workflow_ x0020_State&gt;N/A&lt;/FF13_x00AC_Record_x0020_Workflow_x0020_State&gt;&lt;/Table&gt;&lt; Table diffgr:id="Table2" msdata:rowOrder="1"&gt;&lt;FINDING_ID&gt;21544&lt;/FINDING_ID&gt;&lt;FF11_x00AC_Record_x0 020_Category&gt;Library: Assessment Procedures&lt;/FF11_x00AC_Record_x0020_Category&gt;&lt;FF12_x00AC_Record_x0020_T ype&gt;Assessment Procedure Definition&lt;/FF12_x00AC_Record_x0020_Type&gt;&lt;OF3_x00AC_Object_x0020_Name&gt;D efinitions Library&lt;/OF3_x00AC_Object_x0020_Name&gt;&lt;FF13_x00AC_Record_x0020_Workflow_ x0020_State&gt;N/A&lt;/FF13_x00AC_Record_x0020_Workflow_x0020_State&gt;&lt;/Table&gt;&lt; Table diffgr:id="Table3" msdata:rowOrder="2"&gt;&lt;FINDING_ID&gt;21545&lt;/FINDING_ID&gt;&lt;FF11_x00AC_Record_x0 020_Category&gt;Library: Assessment</pre>

Item	Description/Format
	Procedures</FF11_x00AC_Record_x0020_Category><FF12_x00AC_Record_x0020_Type>Assessment Procedure Definition</FF12_x00AC_Record_x0020_Type><OF3_x00AC_Object_x0020_Name>Definitions Library</OF3_x00AC_Object_x0020_Name><FF13_x00AC_Record_x0020_Workflow_x0020_State>N/A</FF13_x00AC_Record_x0020_Workflow_x0020_State></Table>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to view the search results.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```

Dim sUrl As String
sUrl=" https://host/APIappName/API/SearchResults?SEARCH_RSAM_ID=RSAM01-00002330-A8ACD5BAC7B7489E84A9CD6C682F3BD5&apikey=4d9b359e-1f7b-4754-adea-7aa690237f0d"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
    
```

## Workflow

Use the commands in the following section to execute Object and Record Workflow button actions.

### Execute Object Workflow Button

This API allows the user to execute an Object Workflow button.

This table explains the details for the Execute Object Workflow Button procedure.

Item	Description/Format
<b>URL</b>	api/WFButton?WF_BUTTON_RSAM_ID={WF_BUTTON_RSAM_ID}&OBJ_ID={OBJ_ID}&APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/WFButton?WF_BUTTON_RSAM_ID={WF_BUTTON_RSAM_ID}&OBJ_ID={OBJ_ID}&APIKey={APIKey}
<b>Http Method</b>	GET
<b>Request Data</b>	<i>https://host/APIappName/API/WFButton?WF_BUTTON_RSAM_ID=RSAM01-00000223-2B1FE4506D22472BB7F4D2A650EF82DA&amp;OBJ_ID=13100&amp;apikey=9ac074f3-7a29-4cc9-8b4e-2fd14942ce28</i>
<b>Response Data</b>	<b>In JSON</b> <pre>{   "ErrorCode": "0",   "ErrorMessage": "The wf button is successfully executed." }</pre>
	<b>In XML</b> <pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;The wf button is successfully executed.&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

### Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-user is not allowed to execute the object workflow button.
<b>HttpStatusCode.OK</b>	200	If the get operation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sUrl As String
sUrl="https://host/APIappName/API/WFButton?WF_BUTTON_RSAM_ID=RSAM01-00000223-2B1FE4506D22472BB7F4D2A650EF82DA&OBJ_ID=13100&apikey=9ac074f3-7a29-4cc9-8b4e-2fd14942ce28"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```

## Execute Record Workflow Button

This API allows the user to execute a record workflow button.

This table explains the details for the Execute Record Workflow Button procedure.

Item	Description/Format
<b>URI</b>	api/WFButton?WF_BUTTON_RSAM_ID={WF_BUTTON_RSAM_ID}&FINDING_ID={FINDING_ID}&APIKey={APIKey}
<b>URL Structure</b>	https://host/APIappName/api/WFButton?WF_BUTTON_RSAM_ID={WF_BUTTON_RSAM_ID}&FINDING_ID={FINDING_ID}&APIKey={APIKey}
<b>Http Method</b>	GET
<b>Request Data</b>	<i>https://host/APIappName/API/WFButton?WF_BUTTON_RSAM_ID=RSAM01-00000223-1EC112D4392E4AE1AA0E51D155A482DB&amp;FINDING_ID=111257&amp;apikey=9ac074f3-7a29-4cc9-8b4e-2fd14942ce28</i>
<b>Response Data</b>	<b>In JSON</b>
	<pre>{   "ErrorCode": "0",   "ErrorMessage": "The wf button is successfully executed." }</pre>
	<b>In XML</b>
	<pre>&lt;Results&gt;&lt;Info&gt;&lt;ErrorCode&gt;0&lt;/ErrorCode&gt;&lt;ErrorMessage&gt;The wf button is successfully executed.&lt;/ErrorMessage&gt;&lt;/Info&gt;&lt;/Results&gt;</pre>

## Response Status Codes

Code	Value	Reason
<b>HttpStatusCode.Forbidden</b>	403	If the logged-in user is not allowed to execute the record workflow button.
<b>HttpStatusCode.OK</b>	200	If the validation is success.
<b>HttpStatusCode.BadRequest</b>	400	If invalid input is passed.

### Example in vb.net

```
Dim sUrl As String
sUrl="https://host/APIappName/API/WFButton?WF_BUTTON_RSAM_ID=RSAM01-00000223-
2B1FE4506D22472BB7F4D2A650EF82DA&OBJ_ID=13100&apikey=9ac074f3-7a29-4cc9-8b4e-2fd14942ce28"
Dim oRequest As HttpWebRequest = TryCast(WebRequest.Create(sUrl), HttpWebRequest)
oRequest.Method = "GET"
oRequest.Timeout = 6000000
Dim oResponse As HttpWebResponse = oRequest.GetResponse()
Using oReader As New StreamReader(oResponse.GetResponseStream())
sReturnValue = oReader.ReadToEnd()
End Using
Return sReturnValue
```