Quest® Archive Manager 5.11

RESTful API Service Guide

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Legend

CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

IMPORTANT, **NOTE**, **TIP**, **MOBILE**, or **VIDEO:** An information icon indicates supporting information.

Archive Manager RESTful API Service Guide
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Contents

Common rules **8**

Advanced searches **10**
.../v1/searchQueries/schema.{format} 10
.../v1/searchQueries.{format} 10
.../v1/searchQueries/{advancedSearchId}.{format} 12

Alert service global setting **19**
.../v1/alertserviceglobalsetting/schema.{format} 19
.../v1/alertserviceglobalsetting.{format} 19
.../v1/alertserviceglobalsetting/count.{format} 20

Alert service policies **21**
.../v1/alertservicepolicies/schema.{format} 21
.../v1/alertservicepolicies.{format} 21
.../v1/alertservicepolicies/count.{format} 22
.../v1/alertservicepolicies/{alertServicePolicyId}.{format} 22

Alert service queries **23**
.../v1/alertservicequeries/schema.{format} 23
.../v1/alertservicequeries.{format} 23

Attachments **24**
.../v1/attachments/schema.{format} 24
.../v1/attachments.{format} 24
.../v1/attachments/{checksum} 28
.../v1/attachments/{checksum}/web.{format} 28
.../v1/attachments/zip.{format} 29
.../v1/attachments/{checksumOrId}/aliases.{format} 30
.../v1/attachments/file/accesshistory/schema.{format} 30
.../v1/attachments/file/{checksumOrId}/accesshistories.{format} 31

Authentication (login) **32**
.../v1/login/schema.{format} 32
.../v1/login.{format} 32
.../v1/logout.{format} 33

Configurations **34**
.../v1/configurations/{configName}.{format} 34
.../v1/publicconfigurations/{configName}.{format} 34

Contacts **35**
.../v1/contacts/schema.{format} 35
.../v1/contacts.{format} 35

Delegations **37**
.../v1/delegations/signup.{format} 37
.../v1/delegations/signoff.{format} 38
.../v1/delegationstatuses.{format} 38
.../v1/delegationlogs/logins/{loginId}/mailboxes/{mailboxId}.{format} 40

Exported searches **42**
.../v1/exportedsearches 42

Folders **43**
.../v1/folders/schema.{format} 43
.../v1/folders.{format} 43
.../v1/folders/{folderId}.{format} 46
.../v1/folders/{folderId}/messages.{format} 47
.../v1/folders/{folderId}/messages/count.{format} 52
.../v1/folders/{folderId}/messages/{messageId}.{format} 52
.../v1/folders/{parentFolderId}/subfolders.{format} 52
.../v1/folders/{parentFolderId}/subfolders/count.{format} 55
.../v1/folders/{parentFolderId}/subfolders/{subfolderId}.{format} 55

Groups **56**
.../v1/groups/schema.{format} 56
.../v1/groups.{format} 56
.../v1/groups/count.{format} 57
.../v1/groups/{groupId}.{format} 57
.../v1/groups/{groupId}/logins.{format} 57
.../v1/groups/{groupId}/logins/count.{format} 58
.../v1/groups/{groupId}/logins/{loginId}.{format} 58

Logins **60**
.../v1/logins/schema.{format} 60
.../v1/logins.{format} 60
.../v1/logins/me.{format} 61
.../v1/logins/count.{format} 63
.../v1/logins/{loginId}.{format} 63
.../v1/logins/{loginId}/mailboxes.{format} 63
.../v1/logins/{loginId}/mailboxes/count.{format} 69
.../v1/logins/{loginId}/mailboxes/{mailboxId}.{format} 69

Login domains **70**
.../v1/logindomains/schema.{format} 70
.../v1/logindomains.{format} 70
...v1/logindomains/count.{format} 71
.../v1/logindomains/{logindomainId}.{format} 71
.../v1/logindomains/{logindomainId}/logins.{format} 72
.../v1/logindomains/{logindomainId}/logins/count.{format} 73
.../v1/logindomains/{logindomainId}/logins/{loginId}.{format} 73

Mailboxes 74
.../v1/mailboxes/schema.{format} 74
.../v1/mailboxes.{format} 74
.../v1/mailboxes/count.{format} 78
.../v1/mailboxes/{mailboxId}.{format} 79
.../v1/mailboxes/{mailboxId}/folders.{format} 80
.../v1/mailboxes/{mailboxId}/folders/count.{format} 82
.../v1/mailboxes/{mailboxId}/logins.{format} 82
.../v1/mailboxes/{mailboxId}/messages.{format} 83
.../v1/mailboxes/{mailboxId}/messages/count.{format} 85
.../v1/mailboxes/{mailboxId}/messages/{messageId}.{format} 85

Mailstores 87
.../v1/mailstores/schema.{format} 87
.../v1/mailstores.{format} 87
.../v1/mailstores/count.{format} 88
.../v1/mailstores/{mailstoreId}.{format} 88
.../v1/mailstores/{mailstoreId}/mailboxes.{format} 88
.../v1/mailstores/{mailstoreId}/mailboxes/count.{format} 89

Messages 90
.../v1/messages/schema.{format} 90
.../v1/messages.{format} 91
.../v1/messages/{messageId}.{format} 94
.../v1/messages/{messageId}/html.{format} 95
.../v1/messages/{messageId}/plaintext.{format} 95
.../v1/messages/{messageId}/raw.{format} 95
.../v1/messages/{messageId}/rtf.{format} 96
.../v1/messages/{checksum}/bodyhtml 96
.../v1/messages/{checksum}/eml 96
.../v1/messages/{checksum}/sendmail.{format} 97
.../v1/messages/{checksum}/web.{format} 98
.../v1/messages/searchresults/schema.{format} 103
.../v1/messages/rtfImage/{fileName} 104
.../v1/messages/web/schema.{format} 104
.../v1/messages/web.{format} 104
.../v1/messages/{checksumOrId}/accesshistories.{format} 116
.../v1/messages/{checksumOrId}/availabletags.{format} 117
.../v1/messages/{checksumOrId}/comments.{format} 118
.../v1/messages/{checksumOrId}/journalreports.{format} 119
.../v1/messages/{checksumOrId}/tags.{format} 120
.../v1/messages/{checksumOrId}/tags/{tagId}.{format} 121

Message comments 122
.../v1/comments/schema.{format} 122
.../v1/comments.{format} 122

.../v1/comments/{commentId}.{format} . . . 123

Message folders . . . 124
.../v1/messagefolders.{format} . . . 124

Message tags . . . 126
.../v1/messagetags.{format} . . . 126

Message types . . . 129
.../v1/messagetypes.{format} . . . 129

Organizational units . . . 130
.../v1/organizationalunits/schema.{format} . . . 130
.../v1/organizationalunits.{format} . . . 130
.../v1/organizationalunits/count.{format} . . . 131
.../v1/organizationalunits/{organizationalunitsId}.{format} . . . 131
.../v1/organizationalunits/{organizationalunitsId}/logins.{format} . . . 131
.../v1/organizationalunits/{organizationalunitsId}/logins/count.{format} . . . 132
.../v1/organizationalunits/{organizationalunitsId}/mailboxes.{format} . . . 133
.../v1/organizationalunits/{organizationalunitsId}/mailboxes/count.{format} . . . 134

Product . . . 135
.../v1/product/license.{format} . . . 135
.../v1/product/version.{format} . . . 135
.../v1/product/legalnotice/schema.{format} . . . 136
.../v1/product/legalnoticelist.{format} . . . 136

Retention change logs . . . 137
.../v1/retentionchangelogs/schema.{format} . . . 137
.../v1/retentionchangelogs.{format} . . . 137
.../v1/retentionchangelogs/{retentionchangelogsId}.{format} . . . 138

Retention holds . . . 139
.../v1/retentionholds/schema.{format} . . . 139
.../v1/retentionholds.{format} . . . 139
.../v1/retentionholds/{retentionholdId}.{format} . . . 140

Retention message logs . . . 141
.../v1/retentionmessagelogs/schema.{format} . . . 141
.../v1/retentionmessagelogs.{format} . . . 141
.../v1/retentionmessagelogs/count.{format} . . . 142
.../v1/retentionmessagelogs/{retentionMessageLogId}.{format} . . . 142
.../v1/retentionmessagelogs/report/schema.{format} . . . 143
.../v1/retentionmessagelogs/report.{format} . . . 143

Retention policies . . . 145
.../v1/retentionpolicies/schema.{format} . . . 145
.../v1/retentionpolicies.{format} . . . 145

.../v1/retentionpolicies/{retentionpolicyId}.{format} . . . 146
.../v1/retentionpolicies/retentionpolicyset.{format} . . . 146

Retention runs . . . 148
.../v1/retentionruns/schema.{format} . . . 148
.../v1/retentionruns.{format} . . . 148
.../v1/retentionruns/count.{format} . . . 149
.../v1/retentionruns/{retentionrunId}.{format} . . . 149
.../v1/retentionruns/{retentionrunId}/abort.{format} . . . 150
.../v1/retentionruns/{retentionrunId}/report.{format} . . . 150
.../v1/retentionruns/{retentionrunId}/review.{format} . . . 151
.../v1/retentionruns/{retentionrunId}/retentionrunpolicies.{format} . . . 151
.../v1/retentionruns/{retentionrunId}/retentionrunpolicies/count.{format} . . . 152

Retention run policies . . . 153
.../v1/retentionrunpolicies/schema.{format} . . . 153
.../v1/retentionrunpolicies.{format} . . . 153
.../v1/retentionrunpolicies/count.{format} . . . 154
.../v1/retentionrunpolicies/{retentionrunpolicyId}.{format} . . . 154

Retention schedule . . . 155
.../v1/retentionschedule/schema.{format} . . . 155
.../v1/retentionschedule.{format} . . . 155

Retention settings . . . 156
.../v1/retentionsettings/schema.{format} . . . 156
.../v1/retentionsettings.{format} . . . 156

Security roles . . . 157
.../v1/securityroles/schema.{format} . . . 157
.../v1/securityroles.{format} . . . 157
.../v1/securityroles/{securityRoleId}.{format} . . . 158
.../v1/securityroles/{securityRoleId}/logins.{format} . . . 158

Server . . . 160
.../v1/server/authmode.{format} . . . 160
.../v1/server/timezone.{format} . . . 160

Tags . . . 162
.../v1/tags/schema.{format} . . . 162
.../v1/tags.{format} . . . 162
.../v1/tags/count.{format} . . . 163
.../v1/tags/{tagId}.{format} . . . 163
.../v1/tags/{tagId}/messages.{format} . . . 164
.../v1/tags/{tagId}/messages/count.{format} . . . 164

About us . . . 165

1

Common rules

- Archive Manager data objects are organized into collections.
- Some collections have sub-collections.
- All data objects and data object collections support four HTTP actions:
  - GET – Read.
  - POST – Create.
  - PUT – Update.
  - DELETE – Delete.
- If the action is not listed in the Supported HTTP method it is currently Not Supported it will return a Not Supported error message.
- All data objects and data object collections support both JSON and XML format.
  - Default format is JSON.
  - Format can be explicitly specified by adding ".xml" or ".json" to the requested object.
  - When submitting data via POST or PUT, if the data is in XML format, POST must be directed to the ".xml" endpoint.
    - POST - http://<archivemanager>/API/v1/logins.xml
    - PUT - http://<archivemanager>/API/v1/logins/15.xml
- Collections will never exceed two levels.
  - OK – http://<archivemanager>/API/v1/logins/1/mailboxes
  - BAD – http://<archivemanager>/API/v1/logins/1/mailboxes/2/messages
    - For access to the messages of the mailbox, use the mailboxes collection
      - OK – http://<archivemanager>/API/v1/mailboxes/2/messages
- Some collections can be counted. For example,
  - GET - http://<archivemanager>/API/v1/logins/count
  - GET - http://<archivemanager>/API/v1/logins/1/mailboxes/count
- Collections, unless otherwise noted, support paging and sorting with these parameters:
  - limit: specifies the maximum number of entries to display on a single page. If not specified, the setting **WWW Page Size** (default value: `20`) in Configuration Console will be applied.To display all the entries on a single page, set *limit* to `0`.
  - offset: specifies the first entry to retrieve from a collection.
  - lastId: contains the ID of the last entry in the previous returned result. If specified, entries that have IDs greater than the *lastId* value will be returned.
  - top: specifies the maximum number of entries to retrieve. Effective when the *lastId* parameter is not specified.
  - sort: specifies the field by which the entries will be sorted. Use minus for descending order.

    Examples:

        - GET - http://<archivemanager>/API/v1/logins?limit=10&offset=5
        - GET - http://<archivemanager>/API/v1/logins?limit=10&lastId=5
        - GET - http://<archivemanager>/API/v1/logins?top=10
        - GET - http://<archivemanager>/API/v1/logins?sort=id
        - GET - http://<archivemanager>/API/v1/logins?sort=-id
- Data objects can be filtered if the API supports for the parameter *fields*. Use commas to separate multiple field properties.
- Some collections support searching. Use an asterisk to use wildcards.
    - GET - http://<archivemanager>/API/v1/logins?query=loginName:admin*
- When creating a new mailbox, if no OwnerLoginId is provided, the currently logged in user's LoginId is used. If an OwnerLoginId is provided, the newly-created mailbox is owned by that user. If the mailbox is created using a login's Mailboxes sub-collection, access to the mailbox is delegated to the login specified.
- On remote servers HTTP Application ID header value is required.
    - `X-ApplicationId`: ApiTestApplication
    - This header is only required during the initial authentication, once an Authentication Cookie has been established the X-ApplicationId header is no longer required.
- Response headers:
    - `X-Result-TotalRows`: Returns the number of the collections retrieved. The value will not be affected when the pagination parameter *top* is specified.
    - `X-QueryId`: Returns the current query ID for you to perform the same query with it if needed.
- Link relations in the response header:
    - rel="self": Specifies the URL that generated the current response.
    - rel="base": Specifies the URL which calls the API.
    - rel="next": Navigates to the subsequent page of results when the parameter `lastId` is specified.
- The Web Service supports Forms Authentication and Windows Authentication.
    - If IIS is configured for Forms Authentication the website will respond with a "WWW-Authenticate" challenge.
    - The correct response to this challenge is a header of "Authorization: Basic" a space and a base64 encoded colon separated key-value pair as described in RFC 2617.
    - After authentication a cookie is returned that can be used for future requests, you no longer need to provide the Authorization header if the cookie is valid.
    - The cookie is valid for 48 hours and renews after each request, use the updated cookie from each response. Can be set within Web.Config "AuthenticationTimeoutMinutes".
- API access can be over HTTP or HTTPS, using the URL prefix: `http://<archivemanager>/API` or `https://<archivemanager>/API`.
  The `<archivemanager>` specifies the domain name or IP address of the server where the REST service endpoint is hosted.
  The reference documentation for each API call shows the REST resource, method, and parameters that must be appended to the base URL to form a request. The following is an example of a well-formed REST URL:
  `http://<archivemanager>/API/v1/logins`.

2

Advanced searches

- .../v1/searchQueries/schema.{format}
- .../v1/searchQueries.{format}
- .../v1/searchQueries/{advancedSearchId}.{format}

.../v1/searchQueries/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for advanced search.

.../v1/searchQueries.{format}

Supported HTTP method

GET | POST | PUT

GET

Retrieves a list of advanced searches created by the current user.

Endpoint URI

.../v1/searchQueries.{format}?query={query}

Parameters:

- query

Query parameters:

- loginId

- name: The saved search name.

JSON response sample


```
[
{
    "savedSearchID": 19,
    "name": "list_advancedSearch_01",
    "query": {
      "searchAllEmails": true,
      "mailboxType": "Lync",
      "includeSubFolders": false,
      "toOrFrom": "test01@test.com;test02.test.com;!justin",
      "dateMin": "2015-08-07T02:43:52Z",
      "dateMax": "2015-09-07T02:43:52Z",
      "hasAttachment": true,
      "attachmentName": "clander",
      "federated": false,
      "loginId": 12
    },
    "loginID": 1,
    "binaryChecksum": 12326374
  },
  {
    "savedSearchID": 20,
    "name": "list_advancedSearch_02",
    "query": {
      "searchAllEmails": false,
      "mailboxType": "Mail",
      "includeSubFolders": false,
      "to": "test01.test.com;*aha*;!hello*",
      "from": "test02.test.com",
      "hasAttachment": false,
      "tagName": "color",
      "federated": true,
      "instanceIds": [
        12,
        3,
        5
      ]
```

```
    },
    "loginID": 1,
    "binaryChecksum": -12324456
  },
  {
    "savedSearchID": 21,
    "name": "list_advancedSearch_03",
    "query": {
      "searchAllEmails": false,
      "includeSubFolders": false,
      "fullTextSearchCriteria": {
        "query": "test query",
        "scope": 3
      },
      "toOrFrom": "test01.test.com;*aha*",
      "federated": false
    },
    "loginID": 1,
    "binaryChecksum": 23947245
  }
]
```


POST

Adds a list of advanced searches to database.

PUT

Updates a list of advanced searches to database.

.../v1/searchQueries/{advancedSearchId}.{format}

Supported HTTP method

GET | POST | PUT | DELETE

GET

Retrieves an advanced search created by the current user by the search ID.

POST

Adds an advanced search to database. It will returns the advanced search posted to database.

JSON request sample

```
{
  "savedSearchID": 18,
  "name": "list_advancedSearch_03",
  "query": {
    "searchAllEmails": false,
    "mailboxType": "Lync",
    "mailboxIds": [
      12,
      3,
      5
    ],
    "folderId": 12,
    "includeSubFolders": false,
    "fullTextSearchCriteria": {
      "query": "test query",
      "scope": "Subject|Body"
    },
    "to": "justin@test.com",
    "from": "test@test.com",
    "toOrFrom": "test01.test.com;*aha*",
    "dateMin": "2015-08-07T02:43:52Z",
    "dateMax": "2015-09-07T02:43:52Z",
    "dateProcessedMin": "2015-08-07T02:43:52Z",
    "dateProcessedMax": "2015-09-07T02:43:52Z",
    "dateModifiedMin": "2015-08-07T02:43:52Z",
    "dateModifiedMax": "2015-09-07T02:43:52Z",
    "hasAttachment": true,
    "attachmentName": "attach",
    "attachmentType": "PDF",
    "attachmentContentType": "json",
    "attachmentSizeMin": 0,
```

```
    "attachmentSizeMax": 150,
    "attachmentVisible": true,
    "attachmentAttachMethod": "ByValue",
    "attachmentCheckSum": "c9c14469-509b-49fc-91d6-3a51bd458157",
    "tagName": "tag",
    "federated": false,
    "instanceIds": [
      12,
      3,
      5
    ],
    "loginId": 1,
    "impersonate": "test"
  },
  "loginID": 1,
  "binaryChecksum": 154990865
}
```


JSON response sample


```
{
  "savedSearchID": 18,
  "name": "list_advancedSearch_03",
  "query": {
    "searchAllEmails": false,
    "mailboxType": "Lync",
    "mailboxIds": [
      12,
      3,
      5
    ],
    "folderId": 12,
    "includeSubFolders": false,
    "fullTextSearchCriteria": {
      "query": "test query",
      "scope": "Subject|Body"
    },
    "to": "justin@test.com",
    "from": "test@test.com",
    "toOrFrom": "test01.test.com;*aha*",
```

```
    "dateMin": "2015-08-07T02:43:52Z",
    "dateMax": "2015-09-07T02:43:52Z",
    "dateProcessedMin": "2015-08-07T02:43:52Z",
    "dateProcessedMax": "2015-09-07T02:43:52Z",
    "dateModifiedMin": "2015-08-07T02:43:52Z",
    "dateModifiedMax": "2015-09-07T02:43:52Z",
    "hasAttachment": true,
    "attachmentName": "attach",
    "attachmentType": "PDF",
    "attachmentContentType": "json",
    "attachmentSizeMin": 0,
    "attachmentSizeMax": 150,
    "attachmentVisible": true,
    "attachmentAttachMethod": "ByValue",
    "attachmentCheckSum": "c9c14469-509b-49fc-91d6-3a51bd458157",
    "tagName": "tag",
    "federated": false,
    "instanceIds": [
      12,
      3,
      5
    ],
    "loginId": 1,
    "impersonate": "test"
  },
  "loginID": 1,
  "binaryChecksum": 154990865
}
```


PUT

Updates an advanced search by the search ID. It will return the advanced search updated to database.

JSON request sample


```
{
  "savedSearchID": 18,
  "name": "list_advancedSearch_03",
  "query": {
    "searchAllEmails": false,
    "mailboxType": "Lync",
```

```
  "mailboxIds": [
    12,
    3,
    5
  ],
  "folderId": 12,
  "includeSubFolders": false,
  "fullTextSearchCriteria": {
    "query": "test query",
    "scope": "Subject|Body"
  },
  "to": "justin@test.com",
  "from": "test@test.com",
  "toOrFrom": "test01.test.com;*aha*",
  "dateMin": "2015-08-07T02:43:52Z",
  "dateMax": "2015-09-07T02:43:52Z",
  "dateProcessedMin": "2015-08-07T02:43:52Z",
  "dateProcessedMax": "2015-09-07T02:43:52Z",
  "dateModifiedMin": "2015-08-07T02:43:52Z",
  "dateModifiedMax": "2015-09-07T02:43:52Z",
  "hasAttachment": true,
  "attachmentName": "attach",
  "attachmentType": "PDF",
  "attachmentContentType": "json",
  "attachmentSizeMin": 0,
  "attachmentSizeMax": 150,
  "attachmentVisible": true,
  "attachmentAttachMethod": "ByValue",
  "attachmentCheckSum": "c9c14469-509b-49fc-91d6-3a51bd458157",
  "tagName": "tag",
  "federated": false,
  "instanceIds": [
    12,
    3,
    5
  ],
  "loginId": 1,
  "impersonate": "test"
},
"loginID": 1,
```

```
  "binaryChecksum": 154990865
}
```


JSON response sample


```
{
  "savedSearchID": 18,
  "name": "list_advancedSearch_03",
  "query": {
    "searchAllEmails": false,
    "mailboxType": "Lync",
    "mailboxIds": [
      12,
      3,
      5
    ],
    "folderId": 12,
    "includeSubFolders": false,
    "fullTextSearchCriteria": {
      "query": "test query",
      "scope": "Subject|Body"
    },
    "to": "justin@test.com",
    "from": "test@test.com",
    "toOrFrom": "test01.test.com;*aha*",
    "dateMin": "2015-08-07T02:43:52Z",
    "dateMax": "2015-09-07T02:43:52Z",
    "dateProcessedMin": "2015-08-07T02:43:52Z",
    "dateProcessedMax": "2015-09-07T02:43:52Z",
    "dateModifiedMin": "2015-08-07T02:43:52Z",
    "dateModifiedMax": "2015-09-07T02:43:52Z",
    "hasAttachment": true,
    "attachmentName": "attach",
    "attachmentType": "PDF",
    "attachmentContentType": "json",
    "attachmentSizeMin": 0,
    "attachmentSizeMax": 150,
    "attachmentVisible": true,
    "attachmentAttachMethod": "ByValue",
    "attachmentCheckSum": "c9c14469-509b-49fc-91d6-3a51bd458157",
```

```
    "tagName": "tag",
    "federated": false,
    "instanceIds": [
      12,
      3,
      5
    ],
    "loginId": 1,
    "impersonate": "test"
  },
  "loginID": 1,
  "binaryChecksum": 154990865
}
```


DELETE

Deletes an advanced search from database by the search ID. Returns True or False.

3

Alert service global setting

- .../v1/alertserviceglobalsetting/schema.{format}
- .../v1/alertserviceglobalsetting.{format}
- .../v1/alertserviceglobalsetting/count.{format}

.../v1/alertserviceglobalsetting/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for AlertServiceSetting object.

.../v1/alertserviceglobalsetting.{format}

Supported HTTP method

GET | PUT

GET

Retrieves the default alert service settings for the current user.

PUT

Updates an alert service setting with specified object.

.../v1/alertserviceglobalsetting/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of alert service settings for the current user.

4

Alert service policies

- .../v1/alertservicepolicies/schema.{format}
- .../v1/alertservicepolicies.{format}
- .../v1/alertservicepolicies/count.{format}
- .../v1/alertservicepolicies/{alertServicePolicyId}.{format}

.../v1/alertservicepolicies/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for AlertServiceQuery object.

.../v1/alertservicepolicies.{format}

Supported HTTP method

GET

GET

Retrieves a list of alert service policies.

Parameters:

- query

Query parameters:

- queryId: A Base64 encoded value in the Response Header “X-QueryId”. It can be used to re-attach to a search result table or reissue a search result.

- name
- queryType
- globalAlertId

.../v1/alertservicepolicies/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of alert service policies for the current user.

.../v1/alertservicepolicies/{alertServicePolicyId}.{format}

Supported HTTP method

GET | POST | PUT | DELETE

GET

Retrieves an alert service policy by its ID.

POST

Creates an alert service policy.

PUT

Updates an alert service policy by its ID.

Delete

Deletes an alert service policy by its ID.

5

Alert service queries

- .../v1/alertservicequeries/schema.{format}
- .../v1/alertservicequeries.{format}

.../v1/alertservicequeries/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for AlertServiceQueryParameter object.

.../v1/alertservicequeries.{format}

Supported HTTP method

GET

GET

Retrieves a list of alert service queries for the current user.

NOTE: This API does not support sorting or paging.

6

Attachments

- .../v1/attachments/schema.{format}
- .../v1/attachments.{format}
- .../v1/attachments/{checksum}
- .../v1/attachments/{checksum}/web.{format}
- .../v1/attachments/zip.{format}
- .../v1/attachments/{checksumOrId}/aliases.{format}
- .../v1/attachments/file/accesshistory/schema.{format}
- .../v1/attachments/file/{checksumOrId}/accesshistories.{format}

.../v1/attachments/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for Attachmentsummary object.

.../v1/attachments.{format}

Supported HTTP method

GET

GET

Retrieves a list of attachments. If no query parameters are specified, the current login ID is applied.

Parameters:

- queryId: A Base64 encoded value in the Response Header “X-QueryId”. It can be used to re-attach to a search result table or reissue a search result. Can be null when a search ID is specified.

- searchId: A GUID instance. Can be null when a query ID is specified.
- query
- sort
- offset
- limit
- fields
- forceRefresh: Force-refresh search results without cache. Default value is *False*.

Query parameters:

- searchAllEmails
- mailboxType
- mailboxIds
- folderId
- includeSubFolders
  - True: Include sub folders.
  - False: Not include sub folders.
- ftsQuery
- to: Supports for multiple values (email address or display name), for example, to:Jen@email.com;Andy@email.com. Supports to exclude a person, for example, to:!Jen@email.com;!Andy@email.com
- from: Supports for multiple values (email address or display name), for example, to:Jen@email.com;Andy@email.com. Supports to exclude a person, for example, to:!Jen@email.com;!Andy@email.com
- toOrFrom: Supports for multiple values (email address or display name), for example, to:Jen@email.com;Andy@email.com. Supports to exclude a person, for example, to:!Jen@email.com;!Andy@email.com
- dateMin
- dateMax
- dateProcessedMin
- dateProcessedMax
- dateModifiedMin
- dateModifiedMax
- attachmentName
- attachmentType: Separate multiple types by semicolon, for example, `txt;pdf;docx`. Use the symbol "!" to exclude a file type, for example, `!txt;!pdf`, this will search for messages that do not have TXT or PDF attachment(s).
- attachmentContentType
- attachmentSizeMin
- attachmentSizeMax
- attachmentVisible
- attachmentAttachMethod: For example, `attachmentType:Ole|EmbeddedMsg`.
  - None
  - ByBalue

    - EmbeddedMsg
    - Ole
- tagName: Separate multiple tags by semicolon, for example, `tagName:Food;Fruit`. Use the symbol "!" to exclude a tag, for example, `tagName:!Food;!Fruit`.
- federated
- instanceIds
- loginId
- impersonate
- messageType
- messageClass

Sortable fields:

- fileName
- fileType
- size
- contentDisposition
- contentType
- contentId
- attachMethod
- charset
- rtfPosition
- visible

TIP: For example, to search all attachments,
`.../v1/attachments.json?query=searchallemails:true`

To search attachments by query ID,
`...v1/attachments.json?=S0VZOkxPQ0FMOjE7YTYwYjkzM2M1NmE0MGQ0OGIwNGQzY2Y5MmUxMzA2OTF8MjAxNTA4MTQwNjAzMzFaXzE3ZQ==`

To search attachments by Full Text Search,
`.../v1/attachments.json?query=ftsQuery:Software,ftsScope:All`

JSON response sample


```
{
  "items": [
    {
      "rowId": 0,
      "id": 4,
      "checkSum": "6790c062-7e21-0e4f-1219-7a08a01b2546",
      "contentType": "application/octet-stream",
      "fileName": "Dell.AM.BusinessLayer.pdb",
      "fileType": "pdb",
      "rtfPosition": 0,
      "size": 2541056,
```

```
      "attachMethod": 1,
      "visible": true,
      "canOpen": false,
      "openAsAttachment": false
    },
    {
      "rowId": 0,
      "id": 2,
      "checkSum": "038cd38b-e9b9-3066-8445-e58d6bc5bb66",
      "contentType": "text/plain",
      "fileName": "license-Ongoing.asc",
      "fileType": "asc",
      "rtfPosition": 0,
      "size": 562,
      "attachMethod": 1,
      "visible": true,
      "canOpen": false,
      "openAsAttachment": false
    },
    {
      "rowId": 0,
      "id": 6,
      "checkSum": "2829fd11-4893-d139-c02f-0aaacf8a27f0",
      "contentType": "application/octet-stream",
      "fileName": "XPSEP XP and Server 2003 32 bit.msi",
      "fileType": "msi",
      "rtfPosition": 0,
      "size": 7842816,
      "attachMethod": 1,
      "visible": true,
      "canOpen": false,
      "openAsAttachment": false
    }
  ]
}
```

.../v1/attachments/{checksum}

Supported HTTP method

GET

GET

Retrieves an attachment file.

Parameters:

- fileName
- contentType
- contentSubType
- openAsAttachment
  - True (default value): Save to file system.
  - False: Open with browser.
- instanceId
- impersonate

.../v1/attachments/{checksum}/web.{format}

Supported HTTP method

GET

GET

Retrieves an attachment summary by a specified checksum.

Parameters:

- messageChecksum
- instanceId
- impersonate

.../v1/attachments/zip.{format}

Supported HTTP method

POST

POST

Posts a list of attachment stream summary to the server to retrieve a zip package which contains the attachments and a summary (including success & failure summary).

JSON request sample

```
[
  {
    "checkSum": "41a8fee6-9476-4591-af6e-e2999ea0b1dc",
    "fileName": "image1.jpg",
    "contentType": "image",
    "contentSubType": "jpeg",
    "openAsAttachment": "true",
    "impersonate": "XXX",
    "convertOle": "false"
  },
  {
    "checkSum": "41a8fee6-9476-4591-af6e-e2999ea0b1dd",
    "fileName": "image2.jpg",
    "contentType": "image",
    "contentSubType": "jpeg",
    "openAsAttachment": "true",
    "impersonate": "XXX",
    "convertOle": "false"
  }
]
```

.../v1/attachments/{checksumOrId}/aliases.{format}

Supported HTTP method

GET

GET

Retrieves a list of attachment alias.

Parameters:

- sort
- offset
- limit

JSON response sample

```
[
  "3rd time test.dll",
  "AM.PUBLIC.SDK.dll",
  "DELL.AM.PUBLIC.SDK.dll"
]
```

.../v1/attachments/file/accesshistory/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for the access history of an attachment file.

.../v1/attachments/file/{checksumOrId}/accesshistories.{format}

Supported HTTP method

GET

GET

Retrieves the access history of an attachment file.

Parameters:

- excludeSelf
- loginName
- displayName
- startDate
- endDate
- iPAddress

JSON response sample


```
[
  {
    "attachmentFileID": 1,
    "loginID": 1,
    "loginName": "TestLoginName",
    "displayName": "Test",
    "viewDate": "2016-09-18T00:00:00",
    "iPAddress": "192.168.23.1"
  },
  {
    "attachmentFileID": 1,
    "loginID": 1,
    "loginName": "TestLoginName",
    "displayName": "Test",
    "viewDate": "2016-09-19T00:00:00",
    "iPAddress": "192.168.23.1"
  }
]
```

Authentication (login)

- .../v1/login/schema.{format}
- .../v1/login.{format}
- .../v1/logout.{format}

.../v1/login/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for LoginRequest object.

.../v1/login.{format}

Supported HTTP method

GET | POST

GET

Checks if the current session is user logged-in. Returns `True` if yes, and throws error code if not.

POST

Logs in with user name and password.

JSON request sample

```
{
    "UserName": "admin",
```

```
    "Password": "1234",

    "Persistent":"true",

    "AuthenticationMethod":"DEFAULT"
  }
```

Authentication method

```
{
DEFAULT = 0,
GW = 1
}
```

.../v1/logout.{format}

Supported HTTP method

GET

GET

Logs out of the current session.

8

Configurations

- .../v1/configurations/{configName}.{format}
- .../v1/publicconfigurations/{configName}.{format}

.../v1/configurations/{configName}.{format}

Supported HTTP method

GET

GET

Retrieves a configuration by the configuration name.

.../v1/publicconfigurations/{configName}.{format}

Supported HTTP method

GET

GET

Retrieves a configuration by the configuration name. The available configuration names are `WWW Remember Login`, and `Allow GW Authentication`.

NOTE: This API is accessible to anonymous users.

9

Contacts

- .../v1/contacts/schema.{format}
- .../v1/contacts.{format}

.../v1/contacts/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for Contact object.

.../v1/contacts.{format}

Supported HTTP method

GET

GET

Retrieves a list of contacts' display names and email addresses by a keyword.

Parameters:

- queryId: A Base64 encoded value in the Response Header "X-QueryId". It can be used to re-attach to a search result table or reissue a search result.
- query
- sort
- top
- lastId
- offset
- limit

Query parameters:

- searchFor: The keyword to search.
- searchName
  - True (default value): Search display names.
  - False
- SearchEmail
  - True (default value): Search email addresses.
  - False

JSON response sample

```
[
  {
    "displayName": "Administrator",
    "emailAddress": "Administrator@dc2k8.wingra.com"
  },
  {
    "displayName": "Archive Manager Administrator"
  }
]
```

10

Delegations

- .../v1/delegations/signup.{format}
- .../v1/delegations/signoff.{format}
- .../v1/delegationstatuses.{format}
- .../v1/delegationlogs/logins/{loginId}/mailboxes/{mailboxId}.{format}

.../v1/delegations/signup.{format}

Supported HTTP method

POST

POST

Configures access to a remote mailbox with provided login information.

JSON request sample

```
{
  "agreementText": "Agreement context />",
  "localPassword": "Password",
  "localUser": "domain\\user",
  "remoteEmail": "user@domain.com",
  "remotePassword": "Password"
}
```

Result:

- state: The execution result. Can be `Fail` and `Success`.
- message: The error or warning message.

.../v1/delegations/signoff.{format}

Supported HTTP method

POST

POST

Removes access to a remote mailbox with provided login information.

JSON request sample

```
{
  "agreementText": "Agreement context />",
  "localPassword": "Password",
  "localUser": "domain\\user",
  "madeMailboxPrivate": "true",
  "remoteEmail": "user@domain.com",
  "remotePassword": "Password"
}
```

Result:

- state: The execution result. Can be `Fail` and `Success`.
- message: The error or warning message.

.../v1/delegationstatuses.{format}

Supported HTTP method

GET

GET

Retrieves a list of delegation status by the provided query conditions. The current user can view the delegation status of all users with the permission View Delegation, otherwise, only the delegation status of the current user will be shown. An unauthorized exception will be thrown when the current user without the permission View Delegation attempts to view delegation status of the others.

Parameters:

- queryId: A Base64 encoded value in the Response Header “X-QueryId”. It can be used to re-attach to a search result table or reissue a search result. Can be null when a search ID is specified.
- searchId: A GUID instance. Can be null when a query ID is specified.

- query
- sort
- offset
- limit
- fields

Query parameters:

- source
- dateMin
- dateMax
- loginId
- mailboxId
- delegationAgreementId
- enabled
- private
- status: Can be `Pending`, `Success`, `PartialSuccess`, `Fail`, and `Abandon`.

JSON response sample


```
[
  {
    "date": "2018-11-15T14:15:50Z",
    "source": "c-ip:'10.154.12.86'|cs-username:'Test Login'",
    "loginID": 1,
    "mailBoxID": 2,
    "delegationAgreementID": 1,
    "enabled": true,
    "loginName": "Test Login",
    "mailBoxName": "Test MailBox",
    "status": "Success"
  },
  {
    "date": "2018-11-14T14:15:50Z",
    "source": "c-ip:'10.154.12.87'|cs-username:'Test Login1'",
    "loginID": 1,
    "mailBoxID": 3,
    "delegationAgreementID": 1,
    "enabled": true,
    "loginName": "Test Login1",
    "mailBoxName": "Test MailBox1",
    "status": "Fail"
```

```
  },
  {
    "date": "2018-11-13T14:15:50Z",
    "source": "c-ip:'10.154.12.88'|cs-username:'Test Login2'",
    "loginID": 2,
    "mailBoxID": 3,
    "delegationAgreementID": 2,
    "enabled": false,
    "loginName": "Test Login2",
    "mailBoxName": "Test MailBox2",
    "status": "Pending"
  }
]
```

.../v1/delegationlogs/logins/{loginId}/mailboxes/{mailboxId}.{format}

Supported HTTP method

GET

GET

Retrieves the latest delegation log containing information about the delegation status by the login ID and mailbox ID. The delegation log must match these fields of the delegation status: login ID, mailbox ID, Enabled, Private. And the log must be created after the time when the delegation status takes effect.

NOTE: The permission View Delegation is required.

JSON response sample

```
{
  "date": "2018-11-15T14:15:50Z",
  "source": "c-ip:'10.154.12.86'|cs-username:'Test Login'",
  "loginID": 1,
  "mailBoxID": 2,
  "delegationAgreementID": 1,
  "enabled": true,
  "loginName": "Test Login",
  "mailBoxName": "Test MailBox",
```

```
  "oK": false,

  "errorText": "Proxy accounts: 'pc1@test.com, pc2@test.com' failed
to grant permission. \r\nProxy accounts: 'pc3@test.com' failed to
grant permission to folder: 'Inbox'"

}
```

11

Exported searches

- .../v1/exportedsearches

.../v1/exportedsearches

Supported HTTP method

GET

GET

Exports a specified search to a **.amexp* file.

Parameters:

- searchId: A GUID instance. Can be null when a query ID is specified.
- queryId: A Base64 encoded value in the Response Header “X-QueryId”. It can be used to re-attach to a search result table or reissue a search result. Can be null when a search ID is specified.
- fileName: Uses *export{searchId}.amexp* by default when it is null.

Exported file sample

Filename: *Exportbb5a16af-a727-4994-938f-a1bc4cba8327.amexp*

Content:

```
<?xml version= "1.0" encoding="utf-8"?>

<AfterMailSearchStub xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<SearchIdentifier>bb5a16af-a727-4994-938f-a1bc4cba8327</SearchIdentifier>

<SearchKey>S0VZOkxPQ0FMOjI7OTExMzljMzg1YTQ1ZTEyNmY2YWZmMzk4MTA3ZjlhMDJ8MjAxNTA5MzAw
MzIyMjhaX2JjZg==</SearchKey>

<Server>archivemanager</Server>

<Port>80</Port>

<Username>Administrator</Username>

<Domain>DC2K8</Domain>

<AuthenticationMode>Forms</AuthenticationMode>

</AfterMailSearchStub>
```

12

Folders

- .../v1/folders/schema.{format}
- .../v1/folders.{format}
- .../v1/folders/{folderId}.{format}
- .../v1/folders/{folderId}/messages.{format}
- .../v1/folders/{folderId}/messages/count.{format}
- .../v1/folders/{folderId}/messages/{messageId}.{format}
- .../v1/folders/{parentFolderId}/subfolders.{format}
- .../v1/folders/{parentFolderId}/subfolders/count.{format}
- .../v1/folders/{parentFolderId}/subfolders/{subfolderId}.{format}

.../v1/folders/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for Folder object.

.../v1/folders.{format}

Supported HTTP method

GET | POST | PUT

GET

Retrieves folders by a specified query.

Parameters:

- queryId: A Base64 encoded value in the Response Header “X-QueryId”. It can be used to re-attach to a search result table or reissue a search result.
- query
- sort
- top
- lastId
- offset
- limit
- fields

Query parameters:

- mailboxId
- name
- recursive
- parentFolderId
  - NULL: All folders.
  - 0: The top level folders under a specified mailbox.
  - >0: A specified parent folder ID.
- includeHidden
- excludeInvisible
- wantPath
- wantIDPath

POST

Creates a list of folders.

JSON request sample

```
[
{
"id": 1,
"mailBoxId": 1,
"parentFolderId": 0,
"name": "",
"path": "",
"iDPath": "1",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:12",
"lastExportedDate": "2015-09-10T01:52:13"
},
```

```
{
"id": 2,
"mailBoxId": 1,
"parentFolderId": 0,
"name": "Calendar",
"path": "Calendar",
"iDPath": "1\2"
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:13",
"lastExportedDate": "2015-09-10T01:52:14"
}
]
```


PUT

Updates a list of folders.

JSON request sample


```
[
{
"id": 1,
"mailBoxId": 1,
"parentFolderId": 0,
"name": "",
"path": "",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:12",
"lastExportedDate": "2015-09-10T01:52:13"
},
{
"id": 2,
"mailBoxId": 1,
"parentFolderId": 0,
"name": "Calendar",
"path": "Calendar",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:13",
```

```
"lastExportedDate": "2015-09-10T01:52:14"
}
]
```

.../v1/folders/{folderId}.{format}

Supported HTTP method

GET | PUT | DELETE

GET

Retrieves a folder by the folder ID.

JSON response sample

```
{
"id": 1,
"mailBoxId": 1,
"parentFolderId": 0,
"name": "",
"path": "",
"iDPath": "1",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:12",
"lastExportedDate": "2015-09-10T01:52:13"
}
```

PUT

Updates a folder by the folder ID.

JSON request sample

```
{
"id": 1,
"mailBoxId": 1,
"parentFolderId": 0,
"name": "",
```

```
"path": "",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:12",
"lastExportedDate": "2015-09-10T01:52:13"
}
```


DELETE

Deletes a folder by the folder ID.

.../v1/folders/{folderId}/messages.{format}

Supported HTTP method

GET | POST

GET

Retrieves messages from a folder by the folder ID.

NOTE: This API does not support sorting.

JSON response sample


```
[
{
"id": 1,
"attachments": 0,
"toDisplay": "Administrator",
"fromDisplay": "Administrator",
"subject": "test2",
"bodyFormat": 2,
"bodyCodePage": 20127,
"dateSent": "2015-04-08T21:08:37",
"dateReceived": "2015-04-08T21:08:38.307",
"importance": 1,
"sensitivity": 0,
"size": 2480,
```

```
"checkSum": "41b0616d-7fea-873c-8891-30386f31b462",
"messageClass": "IPM.Note"
},
{
"id": 2,
"attachments": 0,
"toDisplay": "Administrator",
"fromDisplay": "Administrator",
"subject": "test1",
"bodyFormat": 2,
"bodyCodePage": 20127,
"dateSent": "2015-04-08T21:08:27",
"dateReceived": "2015-04-08T21:08:34.993",
"importance": 1,
"sensitivity": 0,
"size": 2488,
"checkSum": "42d3e176-076f-9fbd-bb55-20baf5734a8c",
"messageClass": "IPM.Note"
}
]
```


POST

Creates a message and associates it to a folder and the mailbox that the folder belongs to.

NOTE: This API only supports for creating a single message and linking the message to a single mailbox.

JSON request sample


```
{
  "partType": "Email",
  "partId": "1",
  "isReference": false,
  "purportedCheckSum": "d07f8e21-a441-30fc-df76-138f64b7f8ee",
  "id": 1,
  "from": {
    "address": "test10@test.com",
    "displayName": "test10"
  },
  "to": [
    {
```

```
      "address": "test1@test.com",
      "displayName": "test1"
    },
    {
      "address": "test2@test.com",
      "displayName": "test2"
    },
    {
      "address": "test3@test.com",
      "displayName": "test3"
    }
  ],
  "cc": [
    {
      "address": "test4@test.com",
      "displayName": "test4"
    },
    {
      "address": "test5@test.com",
      "displayName": "test5"
    },
    {
      "address": "test6@test.com",
      "displayName": "test6"
    }
  ],
  "bcc": [
    {
      "address": "test7@test.com",
      "displayName": "test7"
    },
    {
      "address": "test8@test.com",
      "displayName": "test8"
    },
    {
      "address": "test9@test.com",
      "displayName": "test9"
    }
  ],
```

```
  "bodyCodePage": 1001,
  "bodyFormat": "HTML",
  "dateReceived": "9999-12-30T23:59:59.9999999Z",
  "dateSent": "0001-01-02T00:00:00Z",
  "evId": "Likely always empty because no one likes EV",
  "header": "Super Header!",
  "importance": 1,
  "journalReport": "This is the report from the journal!",
  "key": "Keys to the kingdom",
  "messageClass": "IPM.Note",
  "messageTypeId": 1,
  "originalMessageId": "OriginalMessageID",
  "purportedComplianceCheckSum": "d07f8e21-a441-30fc-df76-
138f64b7f8ee",
  "sensitivity": 5,
  "size": 43,
  "subject": "Subject is really long!!!!!!!!!!",
  "threadIndex": "XYZThreadIndex",
  "threadTopic": "XyZThreadToppiicc",
  "version": "1.0 or maybe 2",
  "body": {
    "partType": "DataStream",
    "partId": "1.1",
    "isReference": false,
    "purportedCheckSum": "d07f8e21-a441-30fc-df76-138f64b7f8ee",
    "dsPartType": "Body",
    "dataLength": 17,
    "bytes": [
      "UmVhbGx5IGxvbmcgYm9keSE="
    ]
  },
  "attachments": [
    {
      "partType": "Attachment",
      "partId": "1",
      "isReference": false,
      "purportedCheckSum": "d07f8e21-a441-30fc-df76-138f64b7f8ee",
      "charset": "UTF-8",
      "contentDescription": "VWXYZ",
      "contentDisposition": "RSTU",
```

```
      "contentId": "NOPQ",
      "contentLocation": "KLM",
      "contentSubType": "HIJ",
      "contentTransEncoding": "EFG",
      "contentType": "ABC",
      "fileName": "file.ext",
      "name": "Names",
      "rtfPosition": 0,
      "size": 26,
      "visible": true,
      "streamType": 1,
      "data": {
        "partType": "DataStream",
        "partId": "1.1",
        "isReference": false,
        "dsPartType": "AttachData",
        "dataLength": 26,
        "bytes": [
          "QUJDREVGR0hJSktMTU5PUFFSU1RVVldYWVo="
        ]
      }
    }
  ],
  "sourceProperties": {
    "partType": "DataStream",
    "partId": "1.3",
    "isReference": false,
    "purportedCheckSum": "d07f8e21-a441-30fc-df76-138f64b7f8ee",
    "dsPartType": "SourceProps",
    "dataLength": 58,
    "bytes": [

"VGhlIHNvdXJjZSBwcm9wZXJ0aWVzIHNob3VsZCBiZSBiZXR0ZXIgYnV0IHRoZXkgYX
JlIG5vdC4uLg=="
    ]
  }
}
```

.../v1/folders/{folderId}/messages/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of messages associated with a folder ID.

.../v1/folders/{folderId}/messages/{messageId}.{format}

Supported HTTP method

POST | DELETE

POST

Associates a message ID with a folder ID.

DELETE

Disassociates a message ID with a folder ID.

.../v1/folders/{parentFolderId}/subfolders.{format}

Supported HTTP method

GET | POST

GET

Retrieves a list of sub folders by a parent folder ID.

NOTE: This API does not support sorting.

Parameters:

- excludeInVisible
- wantPath
- includeHidden

JSON response sample


```
[
{
"id": 17,
"mailBoxId": 1,
"parentFolderId": 16,
"name": "Conflicts",
"path": "Sync Issues\\Conflicts",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:14",
"lastExportedDate": "2015-09-10T01:52:15"
},
{
"id": 18,
"mailBoxId": 1,
"parentFolderId": 16,
"name": "Local Failures",
"path": "Sync Issues\\Local Failures",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:15",
"lastExportedDate": "2015-09-10T01:52:16"
},
{
"id": 19,
"mailBoxId": 1,
"parentFolderId": 16,
"name": "Server Failures",
"path": "Sync Issues\\Server Failures",
```

```
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:15",
"lastExportedDate": "2015-09-10T01:52:16"
}
]
```


POST

Creates a list of sub folders under a parent folder ID.

JSON request sample


```
[
{
"id": 17,
"mailBoxId": 1,
"parentFolderId": 16,
"name": "Conflicts",
"path": "Sync Issues\\Conflicts",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:14",
"lastExportedDate": "2015-09-10T01:52:15"
},
{
"id": 18,
"mailBoxId": 1,
"parentFolderId": 16,
"name": "Local Failures",
"path": "Sync Issues\\Local Failures",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:15",
"lastExportedDate": "2015-09-10T01:52:16"
},
{
"id": 19,
"mailBoxId": 1,
"parentFolderId": 16,
"name": "Server Failures",
```

```
"path": "Sync Issues\\Server Failures",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:15",
"lastExportedDate": "2015-09-10T01:52:16"
}
]
```


.../v1/folders/{parentFolderId}/subfolders/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of sub folders by a parent folder ID.

.../v1/folders/{parentFolderId}/subfolders/{subfolderId}.{format}

Supported HTTP method

POST | DELETE

POST

Associates a sub folder ID with a parent folder ID.

DELETE

Disassociates a sub folder ID with a parent folder ID.

13

Groups

- .../v1/groups/schema.{format}
- .../v1/groups.{format}
- .../v1/groups/count.{format}
- .../v1/groups/{groupId}.{format}
- .../v1/groups/{groupId}/logins.{format}
- .../v1/groups/{groupId}/logins/count.{format}
- .../v1/groups/{groupId}/logins/{loginId}.{format}

.../v1/groups/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for Group object.

.../v1/groups.{format}

Supported HTTP method

GET

GET

Retrieves a list of groups.

Parameters:

- query

Query parameters:

- name

- groupType
- loginDomainId
- exclude

.../v1/groups/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of groups.

.../v1/groups/{groupId}.{format}

Supported HTTP method

GET

GET

Retrieves a group by the group ID.

.../v1/groups/{groupId}/logins.{format}

Supported HTTP method

GET

GET

Retrieves a list of logins associated with a group ID.

Parameters:

- query

Query parameters:

- loginName
- displayName
- securityRole
- notSecurityRole
- emailAddress
- organizationalUnit
- organizationalUnitId
- loginDomainId
- domainName
- loginStatus
- mailboxId
- notMailboxId
- groupId
- notGroupId
- active
- exclude

.../v1/groups/{groupId}/logins/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of logins associated with a group ID.

.../v1/groups/{groupId}/logins/{loginId}.{format}

Supported HTTP method

POST

POST

Associates a login ID with a group ID.

14

Logins

- .../v1/logins/schema.{format}
- .../v1/logins.{format}
- .../v1/logins/me.{format}
- .../v1/logins/count.{format}
- .../v1/logins/{loginId}.{format}
- .../v1/logins/{loginId}/mailboxes.{format}
- .../v1/logins/{loginId}/mailboxes/count.{format}
- .../v1/logins/{loginId}/mailboxes/{mailboxId}.{format}

.../v1/logins/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for Login object.

.../v1/logins.{format}

Supported HTTP method

GET | POST | PUT

GET

Retrieves a list of logins.

Parameters:

- query

Query parameters:

- loginName
- displayName
- securityRole
- notSecurityRole
- emailAddress
- organizationalUnit
- organizationalUnitId
- loginDomainId
- domainName
- loginStatus
- mailboxId
- notMailboxId
- groupId
- notGroupId
- active
- exclude

POST

Creates a list of logins.

PUT

Updates a list of logins.

.../v1/logins/me.{format}

Supported HTTP method

GET

GET

Retrieves the currently logged in user in JSON or XML format.

JSON response sample

```
{
  "id": 1,
  "primaryMailboxId": 2,
```

```
  "loginDomainId": 1,
  "securityRoleId": 0,
  "uid": "c85f7d00-7426-4342-897b-d29a5b85059b",
  "loginName": "TestLogin",
  "displayName": "Test Login",
  "emailAddress": "test@logdom.com",
  "domain": "LOGDOM",
  "exchangeLegacyDn":
"/o=SomeDomain/ou=SomeGroup/cn=Recipients/cn=Test Login",
  "securityRole": "Administrator",
  "loginStatus": "Active",
  "active": true
}
```

XML response sample

```
<?xml version="1.0" encoding="utf-8"?>
<Login xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Uid>c85f7d00-7426-4342-897b-d29a5b85059b</Uid>
  <LoginName>TestLogin</LoginName>
  <DisplayName>Test Login</DisplayName>
  <EmailAddress>test@logdom.com</EmailAddress>
  <Domain>LOGDOM</Domain>

<ExchangeLegacyDn>/o=SomeDomain/ou=SomeGroup/cn=Recipients/cn=Test
Login</ExchangeLegacyDn>
  <SecurityRole>Administrator</SecurityRole>
  <LoginStatus>Active</LoginStatus>
  <Active>true</Active>
  <Id>1</Id>
  <PrimaryMailboxId>2</PrimaryMailboxId>
  <LoginDomainId>1</LoginDomainId>
  <SecurityRoleId>0</SecurityRoleId>
</Login>
```

.../v1/logins/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of logins.

.../v1/logins/{loginId}.{format}

Supported HTTP method

GET | PUT | DELETE

GET

Retrieves a login by the login ID.

PUT

Updates a login by the login ID.

DELETE

Deletes a login by the login ID.

.../v1/logins/{loginId}/mailboxes.{format}

Supported HTTP method

GET | POST

GET

Retrieves the mailboxes for a logged in user. The mailboxes can be Standard Mailbox (User, Group, Lync, PST, PublicFolder), or Custom Mailbox (Virtual).

Parameters:

- queryId: A Base64 encoded value in the Response Header “X-QueryId”. It can be used to re-attach to a search result table or reissue a search result.
- query
- sort
- top
- lastId
- offset
- limit
- fields

Query parameters:

- name
- mailBoxType
- loginDomainName
- mailServerType
- organizationalUnit
- loginId
- notLoginId
- loginDomainID
- mailServerId
- enableStoreManager
- deleted
- orgnizationalUnitId
- mailStoreId
- private
- userAgreement
- retentionRunID
- retentionRunPolicyID
- owner
- excludeMailboxType
- excludeMailServerType

JSON response sample

```
[
{
    "id": 1,
```

```
    "ownerLoginId": 2,
    "loginDomainName": "DC2K8",
    "ownerLoginName": "Administrator",
    "uid": "75f6e283-6332-4e91-b811-cef20931f14b",
    "name": "Administrator",
    "mailBoxType": "User",
    "mailServerName": "DC08",
    "mailServerType": "Exchange",
    "exchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=Administrator",
    "homeServerExchangeLegacyDn": "/o=dc2k8/ou=Exchange
Administrative Group
(FYDIBOHF23SPDLT)/cn=Configuration/cn=Servers/cn=DC08",
    "lastScanTime": "2015-10-07T22:20:00-05:00",
    "enableStoreManager": true,
    "deleted": false
  },
  {
    "id": 4,
    "ownerLoginId": 2,
    "loginDomainName": "DC2K8",
    "ownerLoginName": "Administrator",
    "uid": "00000000-0000-0000-0000-000000000000",
    "name": "Home01",
    "mailBoxType": "Virtual",
    "lastScanTime": "0001-01-01T00:00:00",
    "enableStoreManager": false,
    "deleted": false
  },
  {
    "id": 5,
    "ownerLoginId": 2,
    "loginDomainName": "DC2K8",
    "ownerLoginName": "Administrator",
    "uid": "00000000-0000-0000-0000-000000000000",
    "name": "Home01",
    "mailBoxType": "Virtual",
    "lastScanTime": "0001-01-01T00:00:00",
    "enableStoreManager": false,
    "deleted": false
  }
```

```
]
```

POST

Creates a list of mailboxes, then associates each mailbox to a specified login ID, and returns the list of the created mailboxes.

JSON request sample

```
[
  {
    "id": 2,
    "ownerLoginId": 1,
    "uid": "c85f7d00-7426-4342-897b-d29a5b850522",
    "name": "Test Login1",
    "mailBoxType": "User",
    "mailServerName": "EX2010MS01",
    "exchangeLegacyDn":
"/o=SomeDomain/ou=SomeGroup/cn=Recipients/cn=Test Login1",
    "lastScanTime": "0001-01-01T00:00:00",
    "enableStoreManager": true,
    "deleted": false
  },
  {
    "id": 3,
    "ownerLoginId": 1,
    "uid": "c85f7d00-7426-4342-897b-d29a5b850533",
    "name": "Test Login2",
    "mailBoxType": "User",
    "mailServerName": "EX2010MS01",
    "exchangeLegacyDn":
"/o=SomeDomain/ou=SomeGroup/cn=Recipients/cn=Test Login2",
    "lastScanTime": "9999-12-31T23:59:59.9999999",
    "enableStoreManager": true,
    "deleted": false
  },
  {
    "id": 4,
    "ownerLoginId": 1,
    "uid": "c85f7d00-7426-4342-897b-d29a5b850544",
    "name": "Test Login3",
    "mailBoxType": "User",
```

```
    "mailServerName": "EX2010MS01",
    "exchangeLegacyDn":
"/o=SomeDomain/ou=SomeGroup/cn=Recipients/cn=Test Login3",
    "lastScanTime": "0001-01-01T00:00:00",
    "enableStoreManager": true,
    "deleted": false
  },
  {
    "id": 5,
    "ownerLoginId": 1,
    "uid": "c85f7d00-7426-4342-897b-d29a5b850555",
    "name": "Test Login4",
    "mailBoxType": "User",
    "mailServerName": "EX2010MS01",
    "exchangeLegacyDn":
"/o=SomeDomain/ou=SomeGroup/cn=Recipients/cn=Test Login4",
    "lastScanTime": "9999-12-31T23:59:59.9999999",
    "enableStoreManager": true,
    "deleted": false
  }
]
```


JSON response sample


```
[
  {
    "id": 2,
    "ownerLoginId": 1,
    "uid": "c85f7d00-7426-4342-897b-d29a5b850522",
    "name": "Test Login1",
    "mailBoxType": "User",
    "mailServerName": "EX2010MS01",
    "exchangeLegacyDn":
"/o=SomeDomain/ou=SomeGroup/cn=Recipients/cn=Test Login1",
    "lastScanTime": "0001-01-01T00:00:00",
    "enableStoreManager": true,
    "deleted": false
  },
  {
    "id": 3,
    "ownerLoginId": 1,
```

```
    "uid": "c85f7d00-7426-4342-897b-d29a5b850533",
    "name": "Test Login2",
    "mailBoxType": "User",
    "mailServerName": "EX2010MS01",
    "exchangeLegacyDn":
"/o=SomeDomain/ou=SomeGroup/cn=Recipients/cn=Test Login2",
    "lastScanTime": "9999-12-31T23:59:59.9999999",
    "enableStoreManager": true,
    "deleted": false
  },
  {
    "id": 4,
    "ownerLoginId": 1,
    "uid": "c85f7d00-7426-4342-897b-d29a5b850544",
    "name": "Test Login3",
    "mailBoxType": "User",
    "mailServerName": "EX2010MS01",
    "exchangeLegacyDn":
"/o=SomeDomain/ou=SomeGroup/cn=Recipients/cn=Test Login3",
    "lastScanTime": "0001-01-01T00:00:00",
    "enableStoreManager": true,
    "deleted": false
  },
  {
    "id": 5,
    "ownerLoginId": 1,
    "uid": "c85f7d00-7426-4342-897b-d29a5b850555",
    "name": "Test Login4",
    "mailBoxType": "User",
    "mailServerName": "EX2010MS01",
    "exchangeLegacyDn":
"/o=SomeDomain/ou=SomeGroup/cn=Recipients/cn=Test Login4",
    "lastScanTime": "9999-12-31T23:59:59.9999999",
    "enableStoreManager": true,
    "deleted": false
  }
]
```

.../v1/logins/{loginId}/mailboxes/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of mailboxes associated with a login ID.

.../v1/logins/{loginId}/mailboxes/{mailboxId}.{format}

Supported HTTP method

POST | DELETE

POST

Associates a mailbox ID with a login ID.

DELETE

Disassociates a mailbox ID with a login ID.

15

Login domains

- .../v1/logindomains/schema.{format}
- .../v1/logindomains.{format}
- ...v1/logindomains/count.{format}
- .../v1/logindomains/{logindomainId}.{format}
- .../v1/logindomains/{logindomainId}/logins.{format}
- .../v1/logindomains/{logindomainId}/logins/count.{format}
- .../v1/logindomains/{logindomainId}/logins/{loginId}.{format}

.../v1/logindomains/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for LoginDomains object.

.../v1/logindomains.{format}

Supported HTTP method

GET | POST | PUT

GET

Retrieves a list of login domains.

Parameters:

- query

Query parameters:

- domainName

- netBiosName
- ldapType
- disabled

POST

Creates a list of login domains.

PUT

Updates a list of login domains.

...v1/logindomains/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of login domains.

.../v1/logindomains/{logindomainId}.{format}

Supported HTTP method

GET | PUT

GET

Retrieves a login domain by the login domain ID.

PUT

Updates a login domain by the login domain ID.

.../v1/logindomains/{logindomainId}/logins.{format}

Supported HTTP method

GET | POST

GET

Retrieves a list of logins associated with a login domain ID.

Parameters:

- query

Query parameters:

- loginName
- displayName
- securityRole
- notSecurityRole
- emailAddress
- organizationalUnit
- organizationalUnitId
- loginDomainId
- domainName
- loginStatus
- mailboxId
- notMailboxId
- groupId
- notGroupId
- active
- exclude

POST

Creates a list of logins and associates them with a login domain ID.

.../v1/logindomains/{logindomainId}/logins/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of logins for a specified login domain.

.../v1/logindomains/{logindomainId}/logins/{loginId}.{format}

Supported HTTP method

POST | DELETE

POST

Links a login to a login domain.

DELETE

Unlinks a login to a login domain.

16

Mailboxes

- .../v1/mailboxes/schema.{format}
- .../v1/mailboxes.{format}
- .../v1/mailboxes/count.{format}
- .../v1/mailboxes/{mailboxId}.{format}
- .../v1/mailboxes/{mailboxId}/folders.{format}
- .../v1/mailboxes/{mailboxId}/folders/count.{format}
- .../v1/mailboxes/{mailboxId}/logins.{format}
- .../v1/mailboxes/{mailboxId}/messages.{format}
- .../v1/mailboxes/{mailboxId}/messages/count.{format}
- .../v1/mailboxes/{mailboxId}/messages/{messageId}.{format}

.../v1/mailboxes/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for Mailbox object.

.../v1/mailboxes.{format}

Supported HTTP method

GET | POST | PUT

GET

Retrieves a list of mailboxes.

Parameters:

- query

Query parameters:

- name
- mailBoxType
- loginDomainName
- mailServerType
- organizationalUnit
- loginId
- notLoginId
- loginDomainID
- mailServerId
- enableStoreManager
- deleted
- orgnizationalUnitId
- mailStoreId
- private
- userAgreement
- retentionRunID
- retentionRunPolicyID
- owner
- excludeMailboxType
- excludeMailServerType

JSON response sample


```
[
{
    "id": 1,
    "ownerLoginId": 2,
    "loginDomainName": "DC2K8",
    "ownerLoginName": "Administrator",
    "uid": "75f6e283-6332-4e91-b811-cef20931f14b",
    "name": "Administrator",
    "mailBoxType": "User",
    "mailServerName": "DC08",
    "mailServerType": "Exchange",
    "exchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=Administrator",
    "homeServerExchangeLegacyDn": "/o=dc2k8/ou=Exchange
Administrative Group
(FYDIBOHF23SPDLT)/cn=Configuration/cn=Servers/cn=DC08",
```

```
    "lastScanTime": "2015-12-10T03:38:00-06:00",
    "enableStoreManager": true,
    "deleted": false
  },
  {
    "id": 2,
    "ownerLoginId": 3,
    "loginDomainName": "DC2K8",
    "ownerLoginName": "ArchiveMgr_Journal",
    "uid": "d4d633ed-ede7-4bd0-8068-d17d7cf3c005",
    "name": "ArchiveMgr_Journal",
    "mailBoxType": "User",
    "mailServerName": "DC08",
    "mailServerType": "Exchange",
    "exchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=ArchiveMgr_Journal",
    "homeServerExchangeLegacyDn": "/o=dc2k8/ou=Exchange
Administrative Group
(FYDIBOHF23SPDLT)/cn=Configuration/cn=Servers/cn=DC08",
    "lastScanTime": "2015-12-10T03:38:00-06:00",
    "enableStoreManager": true,
    "deleted": false
  }
]
```


POST

Creates a list of mailboxes.

JSON request sample


```
[
  {
    "id": 1,
    "ownerLoginId": 2,
    "loginDomainName": "DC2K8",
    "ownerLoginName": "Administrator",
    "uid": "75f6e283-6332-4e91-b811-cef20931f14b",
    "name": "Administrator",
    "mailBoxType": "User",
    "mailServerName": "DC08",
    "mailServerType": "Exchange",
```

```
    "exchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=Administrator",
    "homeServerExchangeLegacyDn": "/o=dc2k8/ou=Exchange
Administrative Group
(FYDIBOHF23SPDLT)/cn=Configuration/cn=Servers/cn=DC08",
    "lastScanTime": "2015-12-10T03:38:00-06:00",
    "enableStoreManager": true,
    "deleted": false
  },
  {
    "id": 2,
    "ownerLoginId": 3,
    "loginDomainName": "DC2K8",
    "ownerLoginName": "ArchiveMgr_Journal",
    "uid": "d4d633ed-ede7-4bd0-8068-d17d7cf3c005",
    "name": "ArchiveMgr_Journal",
    "mailBoxType": "User",
    "mailServerName": "DC08",
    "mailServerType": "Exchange",
    "exchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=ArchiveMgr_Journal",
    "homeServerExchangeLegacyDn": "/o=dc2k8/ou=Exchange
Administrative Group
(FYDIBOHF23SPDLT)/cn=Configuration/cn=Servers/cn=DC08",
    "lastScanTime": "2015-12-10T03:38:00-06:00",
    "enableStoreManager": true,
    "deleted": false
  }
]
```


PUT

Updates a list of mailboxes.

JSON request sample


```
[
{
"id": 1,
"ownerLoginId": 2,
"loginDomainName": "DC2K8",
"ownerLoginName": "Administrator",
"uid": "75f6e283-6332-4e91-b811-cef20931f14b",
```

```
"name": "Administrator",
"mailBoxType": "User",
"mailServerName": "DC08",
"mailServerType": "Exchange",
"exchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=Administrator",
"homeServerExchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative
Group (FYDIBOHF23SPDLT)/cn=Configuration/cn=Servers/cn=DC08",
"lastScanTime": "2015-12-10T03:38:00-06:00",
"enableStoreManager": true,
"deleted": false
},
{
"id": 2,
"ownerLoginId": 3,
"loginDomainName": "DC2K8",
"ownerLoginName": "ArchiveMgr_Journal",
"uid": "d4d633ed-ede7-4bd0-8068-d17d7cf3c005",
"name": "ArchiveMgr_Journal",
"mailBoxType": "User",
"mailServerName": "DC08",
"mailServerType": "Exchange",
"exchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=ArchiveMgr_Journal",
"homeServerExchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative
Group (FYDIBOHF23SPDLT)/cn=Configuration/cn=Servers/cn=DC08",
"lastScanTime": "2015-12-10T03:38:00-06:00",
"enableStoreManager": true,
"deleted": false
}
]
```


.../v1/mailboxes/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of mailboxes for the current user.

.../v1/mailboxes/{mailboxId}.{format}

Supported HTTP method

GET | PUT | DELETE

GET

Retrieves a mailbox by the mailbox ID.

JSON response sample

```
{
"id": 1,
"ownerLoginId": 2,
"ownerLoginName": "Administrator",
"uid": "75f6e283-6332-4e91-b811-cef20931f14b",
"name": "Administrator",
"mailBoxType": "User",
"mailServerName": "DC08",
"mailServerType": "Exchange",
"exchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=Administrator",
"homeServerExchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative
Group (FYDIBOHF23SPDLT)/cn=Configuration/cn=Servers/cn=DC08",
"lastScanTime": "2015-12-10T03:53:00-06:00",
"enableStoreManager": true,
"deleted": false
}
```

PUT

Updates a mailbox by the mailbox ID.

JSON request sample

```
{
```

```
"id": 1,
"ownerLoginId": 2,
"ownerLoginName": "Administrator",
"uid": "75f6e283-6332-4e91-b811-cef20931f14b",
"name": "Administrator",
"mailBoxType": "User",
"mailServerName": "DC08",
"mailServerType": "Exchange",
"exchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative Group
(FYDIBOHF23SPDLT)/cn=Recipients/cn=Administrator",
"homeServerExchangeLegacyDn": "/o=dc2k8/ou=Exchange Administrative
Group (FYDIBOHF23SPDLT)/cn=Configuration/cn=Servers/cn=DC08",
"lastScanTime": "2015-12-10T03:53:00-06:00",
"enableStoreManager": true,
"deleted": false
}
```


DELETE

Deletes a mailbox by a mailbox ID.

.../v1/mailboxes/{mailboxId}/folders.{format}

Supported HTTP method

GET | POST

GET

Retrieves folders from a mailbox by the mailbox ID.

NOTE: This API does not support sorting.

Parameters:

- recursive
- excludeInVisible
- wantPath
- includeHidden

JSON response sample


```
[
{
"id": 1,
"mailBoxId": 1,
"parentFolderId": 0,
"name": "",
"path": "",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:12",
"lastExportedDate": "2015-09-10T01:52:13"
},
{
"id": 2,
"mailBoxId": 1,
"parentFolderId": 0,
"name": "Calendar",
"path": "Calendar",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:13",
"lastExportedDate": "2015-09-10T01:52:14"
}
]
```


POST

Creates folders for a mailbox.

JSON request sample


```
[
{
"id": 1,
"mailBoxId": 1,
"parentFolderId": 0,
"name": "",
"path": "",
"visible": false,
```

```
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:12",
"lastExportedDate": "2015-09-10T01:52:13"
},

  {
"id": 2,
"mailBoxId": 1,
"parentFolderId": 0,
"name": "Calendar",
"path": "Calendar",
"visible": false,
"canMove": false,
"lastPopulatedDate": "2015-09-10T01:52:13",
"lastExportedDate": "2015-09-10T01:52:14"
}
]
```


.../v1/mailboxes/{mailboxId}/folders/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of folders in a mailbox. Returns a long value.

.../v1/mailboxes/{mailboxId}/logins.{format}

Supported HTTP method

PUT

PUT

Updates a list of login IDs associated with the current mailbox. Returns `True` or `False`.

Parameters:

- associateItemIds: The login ID list to associate with the current mailbox.
- disAssociateItemIds: The login ID list to disassociate with the current mailbox.

JSON request sample

```
{
  "disAssociateItemIds": [
    4,
    5,
    6
  ],
  "associateItemIds": [
    1,
    2,
    3
  ]
}
```

.../v1/mailboxes/{mailboxId}/messages.{format}

Supported HTTP method

GET | POST

GET

Retrieves a list of messages from a mailbox by the mailbox ID.

Parameters:

- lastId
- lastUsn
- lastModifiedUtc
- offset
- limit

JSON response sample


```
[
{
"id": 1,
"attachments": 0,
"toDisplay": "Administrator",
"fromDisplay": "Administrator",
"subject": "test2",
"bodyFormat": 2,
"bodyCodePage": 20127,
"dateSent": "2015-04-08T21:08:37",
"dateReceived": "2015-04-08T21:08:38.307",
"importance": 1,
"sensitivity": 0,
"size": 2480,
"checkSum": "41b0616d-7fea-873c-8891-30386f31b462",
"messageClass": "IPM.Note"
},
{
"id": 2,
"attachments": 0,
"toDisplay": "Administrator",
"fromDisplay": "Administrator",
"subject": "test1",
"bodyFormat": 2,
"bodyCodePage": 20127,
"dateSent": "2015-04-08T21:08:27",
"dateReceived": "2015-04-08T21:08:34.993",
"importance": 1,
"sensitivity": 0,
"size": 2488,
"checkSum": "42d3e176-076f-9fbd-bb55-20baf5734a8c",
"messageClass": "IPM.Note"
}
]
```


POST

Creates a message and associates it with a mailbox.

JSON request sample

```
{
"id": 1,
"attachments": 0,
"toDisplay": "Administrator",
"fromDisplay": "Administrator",
"subject": "test2",
"bodyFormat": 2,
"bodyCodePage": 20127,
"dateSent": "2015-04-08T21:08:37",
"dateReceived": "2015-04-08T21:08:38.307",
"importance": 1,
"sensitivity": 0,
"size": 2480,
"checkSum": "41b0616d-7fea-873c-8891-30386f31b462",
"messageClass": "IPM.Note"
}
```

.../v1/mailboxes/{mailboxId}/messages/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of messages associated with a mailbox ID.

.../v1/mailboxes/{mailboxId}/messages/{messageId}.{format}

Supported HTTP method

POST | DELETE

POST

Associates a message ID with a mailbox ID.

DELETE

Disassociates a message ID with a mailbox ID.

17

Mailstores

- .../v1/mailstores/schema.{format}
- .../v1/mailstores.{format}
- .../v1/mailstores/count.{format}
- .../v1/mailstores/{mailstoreId}.{format}
- .../v1/mailstores/{mailstoreId}/mailboxes.{format}
- .../v1/mailstores/{mailstoreId}/mailboxes/count.{format}

.../v1/mailstores/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for Mailstore object.

.../v1/mailstores.{format}

Supported HTTP method

GET

GET

Retrieves a list of mailstores.

Parameters:

- query

Query parameters:

- displayName
- distinguishedName

- enableStoreManager
- defaultMessagePolicyId
- inboxMessagePolicyId
- sentItemsMessagePolicyId
- deletedItemsMessagePolicyId
- mailServerId
- storageGroupId
- excluded

.../v1/mailstores/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of mailstores.

.../v1/mailstores/{mailstoreId}.{format}

Supported HTTP method

GET

GET

Retrieves a mailstore by the mailstore ID.

.../v1/mailstores/{mailstoreId}/mailboxes.{format}

Supported HTTP method

GET

GET

Retrieves a list of mailboxes associated with a mailstore ID.

Parameters:

- query

Query parameters:

- name
- mailboxType
- organizationalUnit
- organizationalUnitId
- mailServerId
- mailStoreId
- loginId
- notLoginId
- loginDomainName
- loginDomainId
- enableStoreManager
- deleted
- private
- userAgreement
- retentionRunId
- retentionRunPolicyId
- exclude

.../v1/mailstores/{mailstoreId}/mailboxes/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of mailboxes associated with a mailstore ID.

18

Messages

- .../v1/messages/schema.{format}
- .../v1/messages.{format}
- .../v1/messages/{messageId}.{format}
- .../v1/messages/{messageId}/html.{format}
- .../v1/messages/{messageId}/plaintext.{format}
- .../v1/messages/{messageId}/raw.{format}
- .../v1/messages/{messageId}/rtf.{format}
- .../v1/messages/{checksum}/bodyhtml
- .../v1/messages/{checksum}/eml
- .../v1/messages/{checksum}/sendmail.{format}
- .../v1/messages/{checksum}/web.{format}
- .../v1/messages/searchresults/schema.{format}
- .../v1/messages/rtfImage/{fileName}
- .../v1/messages/web/schema.{format}
- .../v1/messages/web.{format}
- .../v1/messages/{checksumOrId}/accesshistories.{format}
- .../v1/messages/{checksumOrId}/availabletags.{format}
- .../v1/messages/{checksumOrId}/comments.{format}
- .../v1/messages/{checksumOrId}/journalreports.{format}
- .../v1/messages/{checksumOrId}/tags.{format}
- .../v1/messages/{checksumOrId}/tags/{tagId}.{format}

.../v1/messages/schema.{format}

Supported HTTP method

GET

GET

Retrieve JSON or XML schema for Message object.

.../v1/messages.{format}

Supported HTTP method

GET | POST

GET

Retrieves a list of HTML body of messages. If no query parameters are specified, the current login ID is applied.

Parameters:

- queryId: A Base64 encoded value in the Response Header “X-QueryId”. It can be used to re-attach to a search result table or reissue a search result. Can be null when a search ID is specified.
- searchId: A GUID instance. Can be null when a query ID is specified.
- query
- sort
- offset
- limit
- fields
- forceRefresh: Force-refresh search results without cache. Default value is *False*.

Query parameters:

- searchAllEmails
- mailboxType
- mailboxIds
- folderId
- includeSubFolders
  - True: Include sub folders.
  - False: Not include sub folders.
- excludeCCAndBCC
- ftsQuery
- ftsScope: For example, `ftsScope:Subject|Body`.
  - None: Do not perform full text search.
  - Subject: Search message subjects.
  - Body: Search message bodies.
  - Attachments: Search attachment content.
  - AllMessage: Search message subjects and bodies.
  - All: Search everything.
- to: Supports for multiple values (email address or display name), for example, to:Jen@email.com;Andy@email.com. Supports to exclude a person, for example, to:!Jen@email.com;!Andy@email.com

- from: Supports for multiple values (email address or display name), for example, to:Jen@email.com;Andy@email.com. Supports to exclude a person, for example, to:!Jen@email.com;!Andy@email.com
- toOrFrom: Supports for multiple values (email address or display name), for example, to:Jen@email.com;Andy@email.com. Supports to exclude a person, for example, to:!Jen@email.com;!Andy@email.com
- dateType
- dateMin
- dateMax
- dateProcessedMin
- dateProcessedMax
- dateModifiedMin
- dateModifiedMax
- hasAttachment
    - True: The message has attachment.
    - False: The message does not have attachment.
- attachmentName
- attachmentType: Separate multiple types by semicolon, for example, `txt;pdf;docx`. Use the symbol "!" to exclude a file type, for example, `!txt;!pdf`, this will search for messages that do not have TXT or PDF attachment(s).
- attachmentSizeMin
- attachmentSizeMax
- attachmentChecksum
- tagName: Separate multiple tags by semicolon, for example, `tagName:Food;Fruit`. Use the symbol "!" to exclude a tag, for example, `tagName:!Food;!Fruit`.
- federated
    - True: Search all instances.
    - False: Search local instances.
- instanceIds
- loginId
- impersonate
- messageType
- messageClass

Sortable fields:

- messageDate
- subject
- toDisplay
- fromDisplay
- importance
    - 0: IMPORTANCE_LOW
    - 1: IMPORTANCE_NORMAL
    - 2: IMPORTANCE_HIGH

- sensitivity
- messageTypeID
- size
- read
- messageClass
- dateModified
- attachments

TIP: For example, to search all emails,
`.../v1/messages.json?query=searchallemails:true`

to search emails by query ID,
`.../v1/messages.json?queryid=S0VZOkxPQ0FMOjE7YTYwYjkzM2M1NmE0MGQ0OGIwNGQzY2Y5MmUxMzA2OTF8MjAxNTA4MTQwNjAzMzFaXzE3ZQ==`

to search emails by Full Text Search,
`.../v1/messages.json?query=ftsquery:Software,ftsscope:All`

JSON response sample


```
{
  "items": [
    {
      "id": 3,
      "attachments": 1,
      "toDisplay": "Administrator",
      "fromDisplay": "Administrator",
      "subject": "message with attachment",
      "messageDate": "2015-07-30T03:47:29.417",
      "importance": 1,
      "sensitivity": 0,
      "size": 1737,
      "checkSum": "f903283e-2bd3-2a9a-281e-b2c7f782472f",
      "messageClass": "IPM.Note",
      "read": true,
      "messageTypeId": 1
    },
    {
      "id": 1,
      "attachments": 0,
      "toDisplay": "Administrator",
      "fromDisplay": "Administrator",
      "subject": "111",
      "messageDate": "2015-07-24T03:11:35.167",
```

```
      "importance": 1,
      "sensitivity": 0,
      "size": 1103,
      "checkSum": "59939e7e-6893-6c6c-2ed1-22ac6319c96e",
      "messageClass": "IPM.Note",
      "read": true,
      "messageTypeId": 1
    },
    {
      "id": 2,
      "attachments": 1,
      "toDisplay": "Administrator",
      "fromDisplay": "Administrator",
      "subject": "111",
      "messageDate": "2015-07-24T03:11:34.823",
      "importance": 1,
      "sensitivity": 0,
      "size": 1687,
      "checkSum": "5fa510a8-d4fa-65df-ac97-3ce9e42fdb54",
      "messageClass": "IPM.Note",
      "read": false,
      "messageTypeId": 1
    }
  ]
}
```


POST

Creates a message and associates it with the current login ID.

.../v1/messages/{messageId}.{format}

Supported HTTP method

GET

GET

Retrieves a message with attachments by the message ID.

.../v1/messages/{messageId}/html.{format}

Supported HTTP method

GET

GET

Retrieves a message as the HTML format by the message ID.

.../v1/messages/{messageId}/plaintext.{format}

Supported HTTP method

GET

GET

Retrieves a message as plain text by the message ID.

.../v1/messages/{messageId}/raw.{format}

Supported HTTP method

GET

GET

Retrieves a message as its original format by the message ID.

.../v1/messages/{messageId}/rtf.{format}

Supported HTTP method

GET

GET

Retrieves a message as Rich Text Format (RTF) by the message ID.

.../v1/messages/{checksum}/bodyhtml

Supported HTTP method

GET

GET

Retrieves a message body as HTML document.

Parameters:

- checksum: The message checksum.
- blockExternalLink: Blocks http and https in body.
  - True (default value)
  - False
- instanceId
- impersonate
- injectCssFilePath: The path to the custom CSS file that is to be injected to the HTML body.

.../v1/messages/{checksum}/eml

Supported HTTP method

GET

GET

Downloads a message to an .eml file by the message checksum.

Parameters:

- instanceId
- impersonate
- fileName

.../v1/messages/{checksum}/sendmail.{format}

Supported HTTP method

POST

POST

Sends a specified email. It uses the current user for the From property. For the checksum, if it is not specified in the message body, it will use the one in URL. Returns `True` or `False`.

> **NOTE:** The From address will be added to the CC list when sending messages with this API.

Parameters:

- instanceId
- impersonate

JSON request sample

```
{
  "from": {
    "address": "TestFrom@test.com",
    "displayName": "TestFrom"
  },
  "to": [
    {
      "address": "Test@test.com",
      "displayName": "Test"
    }
  ],
  "cc": [
    {
```

```
      "address": "TestCc@test.com",
      "displayName": "TestCc"
    },
    {
      "address": "TestCc02@test.com",
      "displayName": "TestCc02"
    }
  ],
  "bcc": [],
  "body": "<html><p>Hi, Test</p><p/><p>This is just for
test!</p></html>",
  "subject": "Aha, test!",
  "checkSum": "91d3eb57-0c35-49c3-bb38-b3c2394db9a6",
  "action": "Forward"
}
```


.../v1/messages/{checksum}/web.{format}

Supported HTTP method

GET

GET

Retrieves a message summary by the message checksum.

Parameters:

- instanceId
- impersonate
- fields
- blockExternalLink: Blocks http and https in body.
  - True (default value)
  - False
- excludeBody: Excludes body in response.
  - True
  - False (default value)

JSON response sample with referencedAttachments property


```
{
  "from": {
    "address": "Administrator@dc2k8.wingra.com",
    "displayName": "Administrator"
  },
  "to": [
    {
      "address": "Administrator@dc2k8.wingra.com",
      "displayName": "Administrator"
    }
  ],
  "referencedAttachments": [
    {
      "id": 0,
      "checkSum": "2829fd11-4893-d139-c02f-0aaacf8a27f0",
      "contentId": "XPSEP XP and Server 2003 32 bit.msi@2829fd11-4893-d139-c02f-
0aaacf8a27f0",
      "contentDescription": "XPSEP XP and Server 2003 32 bit.msi",
      "contentType": "application/octet-stream",
      "fileName": "XPSEP XP and Server 2003 32 bit.msi",
      "fileType": ".msi",
      "rtfPosition": -1,
      "size": 7842816,
      "attachMethod": 1,
      "visible": true,
      "canOpen": true,
      "openAsAttachment": true
    }
  ],
  "compliant": true,
  "header": "Message-ID:
<0D1284CBCDA2B64390703E4654431260290871 62@DC08.dc2k8.wingra.com>\r\nFrom:
\"Administrator\" <Administrator@dc2k8.wingra.com>\r\nTo: \"Administrator\"
<Administrator@dc2k8.wingra.com>\r\nSubject: ttt\r\nDate: Thu, 30 Jul 2015 11:09:00
-0500\r\nThread-Topic: ttt\r\nThread-Index:
AdDK4gaIOJK/SebCRiSbiFsuW38G8A==\r\nContent-Class: urn:content-
classes:message\r\nMIME-Version: 1.0\r\n",
  "threadTopic": "ttt",
  "threadIndex": "AdDK4gaIOJK/SebCRiSbiFsuW38G8A==",
  "body": {
```

```
    "partType": "DataStream",
    "partId": "1.Body",
    "isReference": false,
    "dsPartType": "Body",
    "dataLength": 386,
    "bytes": [

"PGh0bWwgZGlyPSJsdHIiPg0KPGhlYWQ+DQo8bWV0YSBodHRwLWVxdWl2PSJDb250ZW50LVR5cGUiIGNvbn
RlbnQ9InRleHQvaHRtbDsgY2hhcnNldD1pc28tODg1OS0xIj4NCjxtZXRhIG5hbWU9IkdFTkVSQVRPUiIgY
29udGVudD0iTVNIVE1MIDguMDAuNzYwMC4xNjM4NSI+DQo8c3R5bGUgaWQ9Im93YVBhcmFTdHlsZSI+UCB7
DQoJTUFSR0lOLVRPUDogMHB4OyBNQVJHSU4tQk9UVE9NOiAwcHgNCn0NCjwvc3R5bGU+DQo8L2hlYWQ+DQo
8Ym9keSBmUFN0eWxlPSIxIiBvY3NpPSIwIj4NCjxkaXYgc3R5bGU9ImRpcmVjdGlvbjogbHRyO2ZvbnQtZm
FtaWx5OiBUYWhvbWE7Y29sb3I6ICMwMDAwMDA7Zm9udC1zaXplOiAxMHB0OyI+dHR0PC9kaXY+DQo8L2JvZ
Hk+DQo8L2h0bWw+DQo="

    ]
  },
  "id": 7,
  "attachments": 0,
  "subject": "ttt",
  "bodyFormat": 2,
  "bodyCodePage": 65001,
  "dateSent": "2015-07-30T11:09:00.103",
  "dateReceived": "2015-07-30T11:09:03.57",
  "importance": 1,
  "sensitivity": 0,
  "size": 7843735,
  "checkSum": "4aab0bc3-9acb-6cd3-e2d6-dbc6c5148136",
  "messageClass": "IPM.Note",
  "messageTypeId": 1
}
```


JSON response sample with SourceProperties property


```
{
  "referencedAttachments": [],
  "compliant": true,
  "header": "Message-ID:
<0D1284CBCDA2B64390703E465443126029087582@DC08.dc2k8.wingra.com>\r\nFrom:
<>\r\nSubject: John Appleseed\r\nDate: Tue, 04 Aug 2015 04:10:54 -0500\r\nThread-
Index: AdDOlXUdwg8PiWq4S1+sPuoB2mVaQg==\r\nContent-Class: urn:content-
classes:person\r\nMIME-Version: 1.0\r\n",
  "threadIndex": "AdDOlXUdwg8PiWq4S1+sPuoB2mVaQg==",
  "sourceProperties": {
    "partType": "DataStream",
```

```
    "partId": "1.SourceProps",
    "isReference": false,
    "dsPartType": "SourceProps",
    "dataLength": 847,
    "bytes": [

"PFByb3BlcnR5IE5hbWU9IkFCLkNvbXBhbnkiIFR5cGU9InN0cmluZyI+UkdWc2JDQlRiMlowZDJGeVpRPT
08L1Byb3BlcnR5PjxQcm9wZXJ0eSBOYW1lPSJBQi5HIiBUeXBlPSJzdHJpbmciPlVtRjU8L1Byb3BlcnR5P
jxQcm9wZXJ0eSBOYW1lPSJBQi5OYW1lIiBUeXBlPSJzdHJpbmciPlVtRjVJRXhwPC9Qcm9wZXJ0eT48UHJv
cGVydHkgTmFtZT0iQUIuUyIgVHlwZT0ic3RyaW5nIj5UR2s9PC9Qcm9wZXJ0eT48UHJvcGVydHkgTmFtZT0
iQUIuVGVsLkJpei IgVHlwZT0ic3RyaW5nIj5Nekl4TnpjM01nPT08L1Byb3BlcnR5PjxQcm9wZXJ0eSBOYW
1lPSJBQi5UaXRsZSIgVHlwZT0ic3RyaW5nIj5SR1YyWld4dmNHVnk8L1Byb3BlcnR5PjxQcm9wZXJ0eSBOY
W1lPSJDb250YWN0LkEiIFR5cGU9ImludGVnZXIiPjA8L1Byb3BlcnR5PjxQcm9wZXJ0eSBOYW1lPSJDb250
YWN0LkEuQml6IiBUeXBlPSJzdHJpbmciPldtaDFhR0ZwPC9Qcm9wZXJ0eT48UHJvcGVydHkgTmFtZT0iQ29
udGFjdC5BLkJpei5DaXR5IiBUeXBlPSJzdHJpbmciPldtaDFhR0ZwPC9Qcm9wZXJ0eT48UHJvcGVydHkgTm
FtZT0iQ29udGFjdC5FbWFpbCIgVHlwZT0iZW1haWwiPjxFbWFpbEFkZHJlc3MgRGlzcGxheU5hbWU9IlVtR
jVMa3hwUUhOdlpuUjNZWEpsTG1SbGJHd3VZMjl0IiBBZGRyZXNzPSJVbUY1TGt4cFFITnZablIzWVhKbExt
UmxiR3d1WTI5dCIgLz48L1Byb3BlcnR5PjxQcm9wZXJ0eSBOYW1lPSJDb250YWN0LkZpbGVBcyIgVHlwZT0
ic3RyaW5nIj5UR2tzSUZKaGVRPT08L1Byb3BlcnR5PjxQcm9wZXJ0eSBOYW1lPSJDb250YWN0LkZpbGVBc0
Zvcm1hdCIgVHlwZT0iaW50ZWdlciI+MzI3OTE8L1Byb3BlcnR5Pg=="

    ]
  },
  "sourcePropertiesText": "<Property Name=\"AB.Company\"
Type=\"string\">RGVsbCBTb2Z0d2FyZQ==</Property><Property Name=\"AB.G\"
Type=\"string\">UmF5</Property><Property Name=\"AB.Name\"
Type=\"string\">UmF5IExp</Property><Property Name=\"AB.S\"
Type=\"string\">TGk=</Property><Property Name=\"AB.Tel.Biz\"
Type=\"string\">MzIxNzc3Mg==</Property><Property Name=\"AB.Title\"
Type=\"string\">RGV2ZWxvcGVy</Property><Property Name=\"Contact.A\"
Type=\"integer\">0</Property><Property Name=\"Contact.A.Biz\"
Type=\"string\">Wmh1aGFp</Property><Property Name=\"Contact.A.Biz.City\"
Type=\"string\">Wmh1aGFp</Property><Property Name=\"Contact.Email\"
Type=\"email\"><EmailAddress DisplayName=\"UmF5LkxpQHNvZnR3YXJlLmRlbGwuY29t\"
Address=\"UmF5LkxpQHNvZnR3YXJlLmRlbGwuY29t\" /></Property><Property
Name=\"Contact.FileAs\" Type=\"string\">TGksIFJheQ==</Property><Property
Name=\"Contact.FileAsFormat\" Type=\"integer\">32791</Property>",
  "sourcePropertiesDistinct": [
    {
      "name": "AB.Company",
      "type": "String",
      "value": "Dell Software"
    },
    {
      "name": "AB.G",
      "type": "String",
      "value": "John"
    },
    {
      "name": "AB.Name",
```

```
  "type": "String",
  "value": "John Appleseed"
},
{
  "name": "AB.S",
  "type": "String",
  "value": "Appleseed"
},
{
  "name": "AB.Tel.Biz",
  "type": "String",
  "value": "3217772"
},
{
  "name": "AB.Title",
  "type": "String",
  "value": "Developer"
},
{
  "name": "Contact.A",
  "type": "Integer",
  "value": 0
},
{
  "name": "Contact.A.Biz",
  "type": "String",
  "value": "Zhuhai"
},
{
  "name": "Contact.A.Biz.City",
  "type": "String",
  "value": "Zhuhai"
},
{
  "name": "Contact.Email",
  "type": "Email",
  "value": {
    "displayName": "John.Appleseed@email.com",
    "address": "John.Appleseed@email.com"
  }
```

```
    },
    {
      "name": "Contact.FileAs",
      "type": "String",
      "value": "John, Appleseed"
    },
    {
      "name": "Contact.FileAsFormat",
      "type": "Integer",
      "value": 32791
    }
  ],
  "id": 9,
  "attachments": 0,
  "subject": "John Appleseed",
  "bodyFormat": 2,
  "bodyCodePage": 65001,
  "dateSent": "2015-08-04T04:10:54.593",
  "dateReceived": "2015-08-04T04:10:54.593",
  "importance": 1,
  "sensitivity": 0,
  "size": 479,
  "checkSum": "72529ded-41db-d053-1e68-56e3cd575bc2",
  "messageClass": "IPM.Contact",
  "messageTypeId": 4
}
```


.../v1/messages/searchresults/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for SearchResultPage<MessageSummary> object.

.../v1/messages/rtfImage/{fileName}

Supported HTTP method

GET

GET

Retrieves a specified Rich Text Format (RTF) image.

Parameters:

- fileName: The RTF image name matching the pattern "*<messagechecksum>.RTFBody.Image.<number>*".For example, *8963FFEC-F78C-42BA-A499-04E152D826B7.RTFBody.Image.1*.

.../v1/messages/web/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for WebMessage object.

.../v1/messages/web.{format}

Supported HTTP method

GET

GET

Retrieves a list of the messages which satisfy the filter. The result will be an array of messages.

Parameters:

- queryId: A Base64 encoded value in the Response Header "X-QueryId". It can be used to re-attach to a search result table or reissue a search result.
- includeIds: List of the message and instance IDs to include. Use ";" to separate the value pairs. Use "|" to separate the message ID and the instance ID. For example, "12";"34|1";"32|0". Effective when the search ID is null or empty. Ignored when the search ID is specified.

- excludeIds: List of the message and instance IDs to exclude. Use “;” to separate the value pairs. Use “|” to separate the message ID and the instance ID. For example, “12”;”34|1”;”32|0”. Effective when the search ID is specified. Ignored when the search ID is not specified.
- format
- impersonate
- fields

JSON response sample


```
[
{
    "from": {
      "address": "Administrator@dc2k8.wingra.com",
      "displayName": "Administrator"
    },
    "referencedAttachments": [],
    "compliant": true,
    "header": "Message-ID:
<0D1284CBCDA2B64390703E4654431260022ED2C1C7@DC08.dc2k8.wingra.com>\r\nFrom:
\"Administrator\" <Administrator@dc2k8.wingra.com>\r\nSubject: Test
meeting\r\nDate: Tue, 29 Sep 2015 22:18:47 -0500\r\nThread-Index:
AdD7LrhCopIXLXatQOiT9H7XubLNGg==\r\nContent-Class: urn:content-
classes:calendarmessage\r\nMIME-Version: 1.0\r\n",
    "threadIndex": "AdD7LrhCopIXLXatQOiT9H7XubLNGg==",
    "body": {
      "partType": "DataStream",
      "partId": "1.Body",
      "isReference": false,
      "dsPartType": "Body",
      "dataLength": 133,
      "bytes": [

"PGRpdiBzdHlsZT0idGV4dC1pbmRlbnQ6MC4wcHg7Ij48c3BhbiBzdHlsZT0iZm9udC1mYW1pbHk6DQogVG
Fob21hO2ZvbnQtc2l6ZToxMy4zcHg7Y29sb3I6IzAwMDAwMDsiPkZvciBXZWIgTWVzc2FnZSBUZXN0PC9zc
GFuPjwvZGl2Pg=="
      ]
    },
    "sourceProperties": {
      "partType": "DataStream",
      "partId": "1.SourceProps",
      "isReference": false,
      "dsPartType": "SourceProps",
      "dataLength": 1072,
      "bytes": [
```

```
"PFByb3BlcnR5IE5hbWU9IkFwcHQuQWxsRGF5IiBUeXBlPSJib29sZWFuIj4wPC9Qcm9wZXJ0eT48UHJvcG
VydHkgTmFtZT0iQXBwdC5EdXJhdGlvbiIgVHlwZT0iaW50ZWdlciI+NjA8L1Byb3BlcnR5PjxQcm9wZXJ0e
SBOYW1lPSJBcHB0LkxvY2F0aW9uIiBUeXBlPSJzdHJpbmciPlVtOXZiU0JCPC9Qcm9wZXJ0eT48UHJvcGVy
dHkgTmFtZT0iQXBwdC5SZXBlYXRzIiBUeXBlPSJib29sZWFuIj4wPC9Qcm9wZXJ0eT48UHJvcGVydHkgTmF
tZT0iQXBwdC5TZXJpZXNFbmRUaW1lIiBUeXBlPSJkYXRldGltZSI+MjAxNTA5MzAwNDMwMDAwMDBaPC9Qcm
9wZXJ0eT48UHJvcGVydHkgTmFtZT0iQXBwdC5TZXJpZXNTdGFydFRpbWUiIFR5cGU9ImRhdGV0aW1lIj4yM
DE1MDkzMDAzMzAwMDAwMFo8L1Byb3BlcnR5PjxQcm9wZXJ0eSBOYW1lPSJBcHB0LlR6TmFtZSIgVHlwZT0i
c3RyaW5nIj5LRlZUXkwd09Eb3dNQ2tnVUdGamFXWnBZeUJVYVcxbElDaFZVeUFtSUVOaGJtRmtZSk9PC9
Qcm9wZXJ0eT48UHJvcGVydHkgTmFtZT0iQ29tbW9uLkVuZERhdGUiIFR5cGU9ImRhdGV0aW1lIj4yMDE1MD
kzMDA0MzAwMDAwMFo8L1Byb3BlcnR5PjxQcm9wZXJ0eSBOYW1lPSJDb21tb24uU3RhcnREYXRlIiBUeXBlP
SJkYXRldGltZSI+MjAxNTA5MzAwMzMwMDAwMDBaPC9Qcm9wZXJ0eT48UHJvcGVydHkgTmFtZT0iRW5kVGlt
ZSIgVHlwZT0iZGF0ZXRpbWUiPjIwMTUwOTMwMDQzMDAwMDAwWjwvUHJvcGVydHk+PFByb3BlcnR5IE5hbWU
9IkV2ZW50Lkluc3RhbmNlSUQiIFR5cGU9ImJpbmFyeSI+QkFBQUFJSUE0QUIweGJjUUdvTGdDQUFBQUFCa3
BsNjRMdnZRQVFBQUFBQUFBQUFBRUFBQUFMalZQQzRrdkdSSW1wd3Q2WHh3V2VnPTwvUHJvcGVydHk+PFByb
3BlcnR5IE5hbWU9IkV2ZW50LlNlcmllc0lEIiBUeXBlPSJiaW5hcnkiPkJBQUFBSUlBNEFCMHhiY1FHb0xn
Q0FBQUFBQmtwbDY0THZ2UUFRQUFBQUFBQUFBQUVBQUFBTGpWUEM0a3ZHUkltcHd0Nlh4d1dlZz08L1Byb3B
lcnR5PjxQcm9wZXJ0eSBOYW1lPSJTdGFydFRpbWUiIFR5cGU9ImRhdGV0aW1lIj4yMDE1MDkzMDAzMzAwMD
AwMFo8L1Byb3BlcnR5Pg=="
      ]
    },
    "sourcePropertiesText": "<Property Name=\"Appt.AllDay\"
Type=\"boolean\">0</Property><Property Name=\"Appt.Duration\"
Type=\"integer\">60</Property><Property Name=\"Appt.Location\"
Type=\"string\">Um9vbSBB</Property><Property Name=\"Appt.Repeats\"
Type=\"boolean\">0</Property><Property Name=\"Appt.SeriesEndTime\"
Type=\"datetime\">20150930043000000Z</Property><Property
Name=\"Appt.SeriesStartTime\"
Type=\"datetime\">20150930033000000Z</Property><Property Name=\"Appt.TzName\"
Type=\"string\">KFVUQy0wODowMCkgUGFjaWZpYyBUaW1lIChVUyAmIENhbmFkYSk=</Property><Pro
perty Name=\"Common.EndDate\"
Type=\"datetime\">20150930043000000Z</Property><Property Name=\"Common.StartDate\"
Type=\"datetime\">20150930033000000Z</Property><Property Name=\"EndTime\"
Type=\"datetime\">20150930043000000Z</Property><Property Name=\"Event.InstanceID\"
Type=\"binary\">BAAAAIIA4AB0xbcQGoLgCAAAAABkpl64LvvQAQAAAAAAAAAAEAAAALjVPC4kvGRImpw
t6XxwWeg=</Property><Property Name=\"Event.SeriesID\"
Type=\"binary\">BAAAAIIA4AB0xbcQGoLgCAAAAABkpl64LvvQAQAAAAAAAAAAEAAAALjVPC4kvGRImpw
t6XxwWeg=</Property><Property Name=\"StartTime\"
Type=\"datetime\">20150930033000000Z</Property>",
    "sourcePropertiesDistinct": [
      {
        "name": "Appt.AllDay",
        "type": "Boolean",
        "value": false
      },
      {
        "name": "Appt.Duration",
        "type": "Integer",
        "value": 60
      },
      {
        "name": "Appt.Location",
```

```
  "type": "String",
  "value": "Room A"
},
{
  "name": "Appt.Repeats",
  "type": "Boolean",
  "value": false
},
{
  "name": "Appt.SeriesEndTime",
  "type": "DateTime",
  "value": "2015-09-30T04:30:00Z"
},
{
  "name": "Appt.SeriesStartTime",
  "type": "DateTime",
  "value": "2015-09-30T03:30:00Z"
},
{
  "name": "Appt.TzName",
  "type": "String",
  "value": "(UTC-08:00) Pacific Time (US & Canada)"
},
{
  "name": "Common.EndDate",
  "type": "DateTime",
  "value": "2015-09-30T04:30:00Z"
},
{
  "name": "Common.StartDate",
  "type": "DateTime",
  "value": "2015-09-30T03:30:00Z"
},
{
  "name": "EndTime",
  "type": "DateTime",
  "value": "2015-09-30T04:30:00Z"
},
{
  "name": "Event.InstanceID",
```

```
        "type": "Binary",
        "value":
"BAAAAIIA4AB0xbcQGoLgCAAAAABkpl64LvvQAQAAAAAAAAAAEAAAALjVPC4kvGRImpwt6XxwWeg="
      },
      {
        "name": "Event.SeriesID",
        "type": "Binary",
        "value":
"BAAAAIIA4AB0xbcQGoLgCAAAAABkpl64LvvQAQAAAAAAAAAAEAAAALjVPC4kvGRImpwt6XxwWeg="
      },
      {
        "name": "StartTime",
        "type": "DateTime",
        "value": "2015-09-30T03:30:00Z"
      }
    ],
    "id": 7,
    "attachments": 0,
    "subject": "Test meeting",
    "bodyFormat": 2,
    "bodyCodePage": 65001,
    "dateSent": "2015-09-29T22:18:47.653",
    "dateReceived": "2015-09-29T22:18:47.653",
    "importance": 1,
    "sensitivity": 0,
    "size": 1798,
    "checkSum": "6d88455c-26ce-b737-d60e-f54efb4db62c",
    "messageClass": "IPM.Appointment",
    "messageTypeId": 2
  },
  {
    "from": {
      "address": "Administrator@dc2k8.wingra.com",
      "displayName": "Administrator"
    },
    "to": [
      {
        "address": "ArchiveMgr_Journal@dc2k8.wingra.com",
        "displayName": "ArchiveMgr_Journal"
      },
```

```
      {
        "address": "Administrator@dc2k8.wingra.com",
        "displayName": "Administrator"
      }
    ],
    "referencedAttachments": [
      {
        "id": 0,
        "checkSum": "3fa94791-d843-82e5-18eb-cb15fda888c9",
        "contentId": "eula.1028_name23.txt@3fa94791-d843-82e5-18eb-cb15fda888c9",
        "contentDescription": "eula.1028_name23.txt",
        "contentType": "text/plain",
        "fileName": "eula.1028_name23.txt",
        "fileType": ".txt",
        "rtfPosition": -1,
        "size": 17734,
        "attachMethod": 1,
        "visible": true,
        "canOpen": true,
        "openAsAttachment": true
      }
    ],
    "compliant": true,
    "header": "Received: from DC08.dc2k8.wingra.com ([fe80::2022:7c1c:d0e:e578])
by\r\n DC08.dc2k8.wingra.com ([fe80::2022:7c1c:d0e:e578%11]) with mapi id\r\n
14.01.0218.012; Mon, 28 Sep 2015 21:23:58 -0500\r\nContent-Type: application/ms-
tnef; name=\"winmail.dat\"\r\nContent-Transfer-Encoding: binary\r\nFrom:
Administrator <Administrator@dc2k8.wingra.com>\r\nTo: ArchiveMgr_Journal
<ArchiveMgr_Journal@dc2k8.wingra.com>,
Administrator\r\n\t<Administrator@dc2k8.wingra.com>\r\nSubject:\r\nThread-Index:
AdD6Xd3CUkFpJxLQTV+UZzJbhc0Bfw==\r\nDate: Mon, 28 Sep 2015 21:23:57 -
0500\r\nMessage-ID:
<0D1284CBCDA2B64390703E4654431260022ED2BF41@DC08.dc2k8.wingra.com>\r\nAccept-
Language: en-US\r\nContent-Language: en-US\r\nX-MS-Has-Attach: yes\r\nX-MS-
Exchange-Organization-SCL: -1\r\nX-MS-TNEF-Correlator:
<0D1284CBCDA2B64390703E4654431260022ED2BF41@DC08.dc2k8.wingra.com>\r\nMIME-Version:
1.0\r\nX-MS-Exchange-Organization-AuthSource: DC08.dc2k8.wingra.com\r\nX-MS-
Exchange-Organization-AuthAs: Internal\r\nX-MS-Exchange-Organization-AuthMechanism:
04\r\n",
    "threadIndex": "AdD6Xd3CUkFpJxLQTV+UZzJbhc0Bfw==",
    "body": {
      "partType": "DataStream",
      "partId": "1.Body",
      "isReference": false,
      "dsPartType": "Body",
```

```
      "dataLength": 441,
      "bytes": [

"PGh0bWwgZGlyPSJsdHIiPg0KPGhlYWQ+DQo8bWV0YSBodHRwLWVxdWl2PSJDb250ZW50LVR5cGUiIGNvbn
RlbnQ9InRleHQvaHRtbDsgY2hhcnNldD1pc28tODg1OS0xIj4NCjxtZXRhIG5hbWU9IkdFTkVSQVRPUiIgY
29udGVudD0iTVNIVE1MIDguMDAuNzYwMC4xNjM4NSI+DQo8c3R5bGUgaWQ9Im93YVBhcmFTdHlsZSI+UCB7
DQoJTUFSR0lOLVRPUDogMHB4OyBNQVJHSU4tQk9UVE9NOiAwcHgNCn0NCjwvc3R5bGU+DQo8L2hlYWQ+DQo
8Ym9keSBmUFN0eWxlPSIxIiBvY3NpPSIwIj4NCjxkaXYgc3R5bGU9ImRpcmVjdGlvbjogbHRyO2ZvbnQtZm
FtaWx5OiBUYWhvbWE7Y29sb3I6ICMwMDAwMDA7Zm9udC1zaXplOiAxMHB0OyI+DQo8cD48YnJzcDs8L3A+DQo
D4mbmJzcDs8L3A+DQo8cD5UaGFua3MuPGJyPg0KLUp1c3RpbjwvcD4NCjwvZGl2Pg0KPC9iZ2R5Pg0KPC9o
dG1sPg0K"
      ]
    },
    "id": 1,
    "attachments": 0,
    "subject": "",
    "bodyFormat": 2,
    "bodyCodePage": 65001,
    "dateSent": "2015-09-28T21:23:57",
    "dateReceived": "2015-09-28T21:23:59.27",
    "importance": 1,
    "sensitivity": 0,
    "size": 19241,
    "checkSum": "901f2a3a-4ed2-c22c-43e0-9e52d94aec32",
    "messageClass": "IPM.Note",
    "messageTypeId": 1
  },
  {
    "from": {
      "address": "Administrator@dc2k8.wingra.com",
      "displayName": "Administrator"
    },
    "to": [
      {
        "address": "Administrator@dc2k8.wingra.com",
        "displayName": "Administrator"
      },
      {
        "address": "ArchiveMgr_Journal@dc2k8.wingra.com",
        "displayName": "ArchiveMgr_Journal"
      },
      {
```

```
      "address": "Administrator_Test03@test.com",
      "displayName": "Administrator_Test03@test.com"
    }
  ],
  "cc": [
    {
      "address": "Administrator@dc2k8.wingra.com",
      "displayName": "Administrator"
    },
    {
      "address": "Justin_Shi@dell.com",
      "displayName": "Justin_Shi@dell.com"
    },
    {
      "address": "Test01@test.com",
      "displayName": "Test01@test.com"
    },
    {
      "address": "Administrator_Test@test.com",
      "displayName": "Administrator_Test@test.com"
    }
  ],
  "referencedAttachments": [
    {
      "id": 0,
      "checkSum": "d98c1dd4-008f-04b2-e980-0998ecf8427e",
      "contentId": "eula.1028_name12.txt@d98c1dd4-008f-04b2-e980-0998ecf8427e",
      "contentDescription": "eula.1028_name12.txt",
      "contentType": "application/octet-stream",
      "fileName": "eula.1028_name12.txt",
      "fileType": ".txt",
      "rtfPosition": -1,
      "size": 0,
      "attachMethod": 1,
      "visible": true,
      "canOpen": true,
      "openAsAttachment": true
    },
    {
      "id": 0,
```

```
        "checkSum": "3fa94791-d843-82e5-18eb-cb15fda888c9",
        "contentId": "eula.1028_name13.txt@3fa94791-d843-82e5-18eb-cb15fda888c9",
        "contentDescription": "eula.1028_name13.txt",
        "contentType": "text/plain",
        "fileName": "eula.1028_name13.txt",
        "fileType": ".txt",
        "rtfPosition": -1,
        "size": 17734,
        "attachMethod": 1,
        "visible": true,
        "canOpen": true,
        "openAsAttachment": true
      }
    ],
    "compliant": true,
    "header": "Received: from DC08.dc2k8.wingra.com ([fe80::2022:7c1c:d0e:e578])
by\r\n DC08.dc2k8.wingra.com ([fe80::2022:7c1c:d0e:e578%11]) with mapi id\r\n
14.01.0218.012; Mon, 28 Sep 2015 01:27:39 -0500\r\nContent-Type: application/ms-
tnef; name=\"winmail.dat\"\r\nContent-Transfer-Encoding: binary\r\nFrom:
Administrator <Administrator@dc2k8.wingra.com>\r\nTo: Administrator
<Administrator@dc2k8.wingra.com>,
ArchiveMgr_Journal\r\n\t<ArchiveMgr_Journal@dc2k8.wingra.com>,
\"Administrator_Test03@test.com\"\r\n\t<Administrator_Test03@test.com>\r\nCC:
Administrator <Administrator@dc2k8.wingra.com>,
\"Justin_Shi@dell.com\"\r\n\t<Justin_Shi@dell.com>, \"Test01@test.com\"
<Test01@test.com>,\r\n\t\"Administrator_Test@test.com\"
<Administrator_Test@test.com>\r\nSubject: Another Test\r\nThread-Topic: Another
Test\r\nThread-Index: AdD5tsRC6Wo++3TgT/qAKIrfnk2ULQ==\r\nDate: Mon, 28 Sep 2015
01:27:38 -0500\r\nMessage-ID:
<0D1284CBCDA2B64390703E4654431260022ED2BF2A@DC08.dc2k8.wingra.com>\r\nAccept-
Language: en-US\r\nContent-Language: en-US\r\nX-MS-Has-Attach: yes\r\nX-MS-
Exchange-Organization-SCL: -1\r\nX-MS-TNEF-Correlator:
<0D1284CBCDA2B64390703E4654431260022ED2BF2A@DC08.dc2k8.wingra.com>\r\nMIME-Version:
1.0\r\nX-MS-Exchange-Organization-AuthSource: DC08.dc2k8.wingra.com\r\nX-MS-
Exchange-Organization-AuthAs: Internal\r\nX-MS-Exchange-Organization-AuthMechanism:
04\r\n",
    "threadTopic": "Another Test",
    "threadIndex": "AdD5tsRC6Wo++3TgT/qAKIrfnk2ULQ==",
    "body": {
      "partType": "DataStream",
      "partId": "1.Body",
      "isReference": false,
      "dsPartType": "Body",
      "dataLength": 481,
      "bytes": [

"PGh0bWwgZGlyPSJsdHIiPg0KPGhlYWQ+DQo8bWV0YSBodHRwLWVxdWl2PSJDb250ZW50LVR5cGUiIGNvbn
```

RlbnQ9InRleHQvaHRtbDsgY2hhcnNldD1pc28tODg1OS0xIj4NCjxtZXRhIG5hbWU9IkdFTkVSQVRPUiIgY
29udGVudD0iTVNIVE1MIDguMDAuNzYwMC4xNjM4NSI+DQo8c3R5bGUgaWQ9Im93YVBhcmFTdHlsZSI+UCB7
DQoJTUFSR0lOLVRPUDogMHB4OyBNQVJHU4tQk9UVE9NOiAwcHgNCn0NCjwvc3R5bGU+DQo8L2hlYWQ+DQo
8Ym9keSBmUFN0eWxlPSIxIiBvY3NpPSIwIj4NCjxkaXYgc3R5bGU9ImRpcmVjdGlvbjogbHRyO2ZvbnQtZm
FtaWx5OiBUYWhvbWE7Y29sb3I6ICMwMDAwMDA7Zm9udC1zaXplOiAxMHB0OyI+DQo8cD5IaSw8L3A+DQo
D4mbmJzcDs8L3A+DQo8cD5KdXN0IGZvciB0ZXN0LjwvcD4NCjxwPiZuYnNwOzwvcD4NCjxwPlRoYW5rczwv
cD4NCjxwPi1KdXN0aW48L3A+DQo8L2Rpdj4NCjwvYm9keT4NCjwvaHRtbD4NCg=="

```
      ]
    },
    "id": 2,
    "attachments": 0,
    "subject": "Another Test",
    "bodyFormat": 2,
    "bodyCodePage": 65001,
    "dateSent": "2015-09-28T01:27:38",
    "dateReceived": "2015-09-28T01:27:39",
    "importance": 1,
    "sensitivity": 0,
    "size": 20484,
    "checkSum": "7f044c88-c8dc-5c50-a8dd-c84d3d6dcde1",
    "messageClass": "IPM.Note",
    "messageTypeId": 1
  },
  {
    "from": {
      "address": "Administrator@dc2k8.wingra.com",
      "displayName": "Administrator"
    },
    "to": [
      {
        "address": "Administrator@dc2k8.wingra.com",
        "displayName": "Administrator"
      }
    ],
    "cc": [
      {
        "address": "ArchiveMgr_Journal@dc2k8.wingra.com",
        "displayName": "ArchiveMgr_Journal"
      },
      {
        "address": "Justin_Shi@dell.com",
        "displayName": "Justin_Shi@dell.com"
```

```
  }
],
"referencedAttachments": [
  {
    "id": 0,
    "checkSum": "d98c1dd4-008f-04b2-e980-0998ecf8427e",
    "contentId": "eula.1028.txt@d98c1dd4-008f-04b2-e980-0998ecf8427e",
    "contentDescription": "eula.1028.txt",
    "contentType": "application/octet-stream",
    "fileName": "eula.1028.txt",
    "fileType": ".txt",
    "rtfPosition": -1,
    "size": 0,
    "attachMethod": 1,
    "visible": true,
    "canOpen": true,
    "openAsAttachment": true
  },
  {
    "id": 0,
    "checkSum": "d98c1dd4-008f-04b2-e980-0998ecf8427e",
    "contentId": "eula.1028_name01.txt@d98c1dd4-008f-04b2-e980-0998ecf8427e",
    "contentDescription": "eula.1028_name01.txt",
    "contentType": "application/octet-stream",
    "fileName": "eula.1028_name01.txt",
    "fileType": ".txt",
    "rtfPosition": -1,
    "size": 0,
    "attachMethod": 1,
    "visible": true,
    "canOpen": true,
    "openAsAttachment": true
  },
  {
    "id": 0,
    "checkSum": "3fa94791-d843-82e5-18eb-cb15fda888c9",
    "contentId": "eula.1028_name02.txt@3fa94791-d843-82e5-18eb-cb15fda888c9",
    "contentDescription": "eula.1028_name02.txt",
    "contentType": "text/plain",
    "fileName": "eula.1028_name02.txt",
```

```
        "fileType": ".txt",
        "rtfPosition": -1,
        "size": 17734,
        "attachMethod": 1,
        "visible": true,
        "canOpen": true,
        "openAsAttachment": true
      }
    ],
    "compliant": true,
    "header": "Received: from DC08.dc2k8.wingra.com ([fe80::2022:7c1c:d0e:e578])
by\r\n DC08.dc2k8.wingra.com ([fe80::2022:7c1c:d0e:e578%11]) with mapi id\r\n
14.01.0218.012; Mon, 28 Sep 2015 01:25:42 -0500\r\nContent-Type: application/ms-
tnef; name=\"winmail.dat\"\r\nContent-Transfer-Encoding: binary\r\nFrom:
Administrator <Administrator@dc2k8.wingra.com>\r\nTo: Administrator
<Administrator@dc2k8.wingra.com>\r\nCC: ArchiveMgr_Journal
<ArchiveMgr_Journal@dc2k8.wingra.com>,\r\n\t\"Justin_Shi@dell.com\"
<Justin_Shi@dell.com>\r\nSubject: Test 01\r\nThread-Topic: Test 01\r\nThread-Index:
AdD5tnKlRKURCs7yQSaZtO5iBOExbg==\r\nDate: Mon, 28 Sep 2015 01:25:40 -
0500\r\nMessage-ID:
<0D1284CBCDA2B64390703E4654431260022ED2AF0E@DC08.dc2k8.wingra.com>\r\nAccept-
Language: en-US\r\nContent-Language: en-US\r\nX-MS-Has-Attach: yes\r\nX-MS-
Exchange-Organization-SCL: -1\r\nX-MS-TNEF-Correlator:
<0D1284CBCDA2B64390703E4654431260022ED2AF0E@DC08.dc2k8.wingra.com>\r\nMIME-Version:
1.0\r\nX-MS-Exchange-Organization-AuthSource: DC08.dc2k8.wingra.com\r\nX-MS-
Exchange-Organization-AuthAs: Internal\r\nX-MS-Exchange-Organization-AuthMechanism:
04\r\n",
    "threadTopic": "Test 01",
    "threadIndex": "AdD5tnKlRKURCs7yQSaZtO5iBOExbg==",
    "body": {
      "partType": "DataStream",
      "partId": "1.Body",
      "isReference": false,
      "dsPartType": "Body",
      "dataLength": 454,
      "bytes": [

"PGh0bWwgZGlyPSJsdHIiPg0KPGhlYWQ+DQo8bWV0YSBodHRwLWVxdWl2PSJDb250ZW50LVR5cGUiIGNvbn
RlbnQ9InRleHQvaHRtbDsgY2hhcnNldD1pc28tODg1OS0xIj4NCjxtZXRhIG5hbWU9IkdFTkVSQVRPUiIgY
29udGVudD0iTVNIVE1MIDguMDAuNzYwMC4xNjM4NSI+DQo8c3R5bGUgaWQ9Im93YVBhcmFTdHlsZSI+UCB7
DQoJTUFSR0lOLVRPUDogMHB4OyBNQVJHSU4tQk9UVE9NOiAwcHgNCn0NCjwvc3R5bGU+DQo8Ym9keSBmUFN0eWxlPSIxIiBvY3NpPSIwIj4NCjxkaXYgc3R5bGU9ImRpcmVjdGlvbjogbHRyO2ZvbnQtZm
FtaWx5OiBUYWhvbWE7Y29sb3I6ICMwMDAwMDA7Zm9udC1zaXplOiAxMHB0OyI+DQo8c3QgVGVzdCBNY
WlsLjwvcD4NCjxwPiZuYnNwOzwvcD4NCjxwPlRoYW5rczwvcD4NCjwvZGl2Pg0KPC9ib2R5PjwvaHRtbD4N
CjwvYm9keT4NCjwvaHRtbD4NCg=="

      ]
    },
    "id": 3,
```

```
    "attachments": 0,
    "subject": "Test 01",
    "bodyFormat": 2,
    "bodyCodePage": 65001,
    "dateSent": "2015-09-28T01:25:40",
    "dateReceived": "2015-09-28T01:25:47.127",
    "importance": 1,
    "sensitivity": 0,
    "size": 19645,
    "checkSum": "985bd8f0-424a-06b4-c2d9-e87501a568bf",
    "messageClass": "IPM.Note",
    "messageTypeId": 1
  }
]
```


.../v1/messages/{checksumOrId}/accesshistories.{format}

Supported HTTP method

GET

GET

Retrieves the access history of a message.

Parameters:

- query

Query parameters:

- excludeSelf: Excludes the access history of the currently logged in user. The default value is `false`.
- loginName
- displayName
- startDate
- endDate
- iPAddress

JSON response sample


```
[
  {
```

```
    "messageId": 1,
    "loginId": 2,
    "loginName": "Administrator",
    "displayName": "Administrator",
    "viewDate": "2015-10-10T02:38:37.98-05:00",
    "iPAddress": "192.168.1.10"
  },
  {
    "messageId": 1,
    "loginId": 2,
    "loginName": "Administrator",
    "displayName": "Administrator",
    "viewDate": "2015-10-10T02:38:39.69-05:00",
    "iPAddress": "192.168.1.10"
  },
  {
    "messageId": 1,
    "loginId": 2,
    "loginName": "Administrator",
    "displayName": "Administrator",
    "viewDate": "2015-10-10T02:38:40.31-05:00",
    "iPAddress": "192.168.1.10"
  }
]
```


.../v1/messages/{checksumOrId}/availabletags.{format}

Supported HTTP method

GET

GET

Retrieves a list of tags which can be associated with a message.

NOTE: This API does not support sorting or paging.

Parameters:

- tagName

.../v1/messages/{checksumOrId}/comments.{format}

Supported HTTP method

GET | POST

GET

Retrieves a list of comments for a message.

Parameters:

- query

Query parameters:

- messageId
- messageChecksum
- dateCreatedMin
- dateCreatedMax
- isPrivate
- includeAllPublic
- include
- loginDisplayName
- loginId

JSON response sample


```
[
{
"id": 1,
    "messageId": 1,
    "loginId": 1,
    "loginDisplayName": "Archive Manager Administrator",
    "created": "2015-07-14T04:06:29.063-05:00",
    "isPrivate": true,
    "comment": "Hello",
    "binaryChecksum": 425250843
  },
  {
```

```
    "id": 2,
    "messageId": 1,
    "loginId": 1,
    "loginDisplayName": "Archive Manager Administrator",
    "created": "2015-07-14T04:06:38.097-05:00",
    "isPrivate": true,
    "comment": "Hello",
    "binaryChecksum": 638520751
  }
]
```


POST

Creates a list of comments for a message.

.../v1/messages/{checksumOrId}/journalreports.{format}

Supported HTTP method

GET

GET

Retrieves the journal reports of a message by the message ID or checksum.

JSON response sample


```
{
  "id": 1,
  "journalReports": "
Sender: Administrator@dc66.com
Subject: 4
Message-Id:
<4DFFCB5969EA214ABB8386FECAD6B632DE8A7E@ZHUAMVMQA002.dc66.com>
To: f@dd.com
"
}
```

.../v1/messages/{checksumOrId}/tags.{format}

Supported HTTP method

GET

GET

Retrieves a list of tags by the message ID or checksum.

Parameters:

- query
- queryId
- sort
- top
- lastId
- offset
- limit

Query parameters:

- messageId
- messageChecksum
- tagId
- tagName
- tagType
- tagValue
- loginId
- valueForRetention
- wantLogDisplayName

JSON response sample

```
[
{
    "tagId": 1,
    "messageId": 1,
    "messageChecksum": "E3C0FAB2-2241-421E-AFC1-B08BA24B6595",
    "loginId": 1,
    "loginDisplayName": "Archive Manager Administrator",
    "tagName": "Movie",
```

```
    "tagType": "string",
    "tagValue": "Supper Man",
    "valueForRetention": "Supper Man",
    "binaryChecksum": 425250843
  },
  {
    "tagId": 2,
    "messageId": 2,
    "messageChecksum": "50697F6F-54C9-4C61-9C79-0BA11AAC5259",
    "loginId": 1,
    "loginDisplayName": "Archive Manager Administrator",
    "tagName": "Holiday",
    "tagType": "DateTime",
    "tagValue": "2015-08-20",
    "valueForRetention": "2015-08-20",
    "binaryChecksum": 638520751
  }
]
```


.../v1/messages/{checksumOrId}/tags/{tagId}.{format}

Supported HTTP method

GET | POST |DELETE

GET

Retrieves a message tag by the message ID (or checksum) and tag ID.

POST

Associates a tag with a message.

DELETE

Disassociates a tag with a message.

19

Message comments

- .../v1/comments/schema.{format}
- .../v1/comments.{format}
- .../v1/comments/{commentId}.{format}

.../v1/comments/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for MessageComment object.

.../v1/comments.{format}

Supported HTTP method

GET | POST | PUT

GET

Retrieves a list of message comments.

Parameters:

- query

Query parameters:

- messageId
- messageChecksum
- dateCreatedMin
- dateCreatedMax
- isPrivate

- includeAllPublic
- include
- loginDisplayName
- loginId

POST

Creates a list of message comments.

PUT

Updates a list of message comments.

.../v1/comments/{commentId}.{format}

Supported HTTP method

GET | PUT | DELETE

GET

Retrieves a message comment by the comment ID.

PUT

Updates a message comment by the comment ID.

DELETE

Deletes a message comment by the comment ID.

20

Message folders

- .../v1/messagefolders.{format}

.../v1/messagefolders.{format}

Supported HTTP method

PUT

PUT

Associates or disassociates a list of filtered messages to a list of folders by the message ID and folder ID. If a message ID has been associated with a folder ID, ignore it and continue.

Request body:

- messageFilter
  - queryId: A Base64 encoded value in the Response Header “X-QueryId”. It can be used to re-attach to a search result table or reissue a search result.
  - includeIds: List of the message and instance IDs to include. Use “;” to separate the value pairs. Use “|” to separate the message ID and the instance ID. For example, “12”;”34|1”;”32|0”. Effective when the search ID is null or empty. Ignored when the search ID is specified.
  - excludeIds: List of the message and instance IDs to exclude. Use “;” to separate the value pairs. Use “|” to separate the message ID and the instance ID. For example, “12”;”34|1”;”32|0”. Effective when the search ID is specified. Ignored when the search ID is not specified.
- folderIds: The folder ID list.
- method: The operation methods including `Link` and `Unlink`.

Result:

- state: The execution result. Can be `Fail`, `Success` and `PartialSuccess`.
- message: The error or warning message.

JSON request sample 1

```
{
  "messageFilter": {
    "queryId":
"S0VZOkxPQ0FMOjI7YjQ0NGRlNTI0ZmFlZDljZDYyOTVmYzIzNDlkNzU0NWZ8MjAxNT
A5MjUwNzI4MjBaXzNkNg==",
```

```
    "excludeIds": [
      "76|1",
      "3"
    ]
  },
  "method": "Link",
  "folderIds": [
    1,
    2,
    3,
    4
  ]
}
```

JSON request sample 2

```
{
  "messageFilter": {
    "includeIds": [
      "5|1",
      "6|1",
      "7|0"
    ]
  },
  "method": "UnLink",
  "folderIds": [
    1,
    2,
    3,
    4
  ]
}
```

JSON response sample

```
{
    "state": "PartialSuccess",
   "message": "(Message 1, Folder 2) link failed. Error message is:
The specified Folder, Message with Id '2, 1' does not exist."
 }
```

21

Message tags

- .../v1/messagetags.{format}

.../v1/messagetags.{format}

Supported HTTP method

PUT

PUT

Associates or disassociates a list of filtered messages to a list of tags by the message ID and tag ID. If a messageID has been associated with a tag ID, ignore it and continue.

Request body:

- messageFilter
  - queryId: A Base64 encoded value in the Response Header “X-QueryId”. It can be used to re-attach to a search result table or reissue a search result.
  - includeIds: List of the message and instance IDs to include. Use “;” to separate the value pairs. Use “|” to separate the message ID and the instance ID. For example, “12”;”34|1”;”32|0”. Effective when the search ID is null or empty. Ignored when the search ID is specified.
  - excludeIds: List of the message and instance IDs to exclude. Use “;” to separate the value pairs. Use “|” to separate the message ID and the instance ID. For example, “12”;”34|1”;”32|0”. Effective when the search ID is specified. Ignored when the search ID is not specified.
- tagIds: The tag ID list.
- method: The operation methods including `Link` and `Unlink`.
- tagParent: Indicates whether to add tags to the parent messages. The default value is `False`.

Result:

- state: The execution result. Can be `Fail`, `Success` and `PartialSuccess`.
- message: The error or warning message.

JSON request sample 1

```
{
  "messageFilter": {
```

```
    "queryId":
"S0VZOkxPQ0FMOjI7YjQ0NGRlNTI0ZmFlZDljZDYyOTVmYzIzNDlkNzU0NWZ8MjAxNT
A5MjUwNzI4MjBaXzNkNg==",
     "excludeIds": [
       76|1,
       3
     ]
  },
  "method": "Link",
  "tagIds": [
    1,
    2,
    3,
    4
  ],
  "tagParent": "True"
}
```

JSON request sample 2

```
{
  "messageFilter": {
    "includeIds": [
       5|1,
       6|2,
       7
     ]
  },
  "method": "UnLink",
  "tagIds": [
    1,
    2,
    3,
    4
  ],
  "tagParent": "True"
}
```

JSON response sample

```
 {
     "state": "PartialSuccess",
```

```
    "message": "(Message 12, Tag 5) not linked."
}
```

22

Message types

- .../v1/messagetypes.{format}

.../v1/messagetypes.{format}

Supported HTTP method

GET

GET

Retrieves message types from Archive Manager.

NOTE: This API does not support sorting or paging.

23

Organizational units

- .../v1/organizationalunits/schema.{format}
- .../v1/organizationalunits.{format}
- .../v1/organizationalunits/count.{format}
- .../v1/organizationalunits/{organizationalunitsId}.{format}
- .../v1/organizationalunits/{organizationalunitsId}/logins.{format}
- .../v1/organizationalunits/{organizationalunitsId}/logins/count.{format}
- .../v1/organizationalunits/{organizationalunitsId}/mailboxes.{format}
- .../v1/organizationalunits/{organizationalunitsId}/mailboxes/count.{format}

.../v1/organizationalunits/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for the organizational unit object.

.../v1/organizationalunits.{format}

Supported HTTP method

GET

GET

Retrieves a list of organizational units.

Parameters:

- query

Query parameters:

- distinguishedName
- exclude

.../v1/organizationalunits/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of organizational units.

.../v1/organizationalunits/{organizationalunitsId}.{format}

Supported HTTP method

GET

GET

Retrieves an organizational unit by the organizational unit ID.

.../v1/organizationalunits/{organizationalunitsId}/logins.{format}

Supported HTTP method

GET

GET

Retrieves a list of logins associated with an organizational unit ID.

Parameters:

- query

Query parameters:

- loginName
- displayName
- securityRole
- notSecurityRole
- emailAddress
- organizationalUnit
- organizationalUnitId
- loginDomainId
- domainName
- loginStatus
- mailboxId
- notMailboxId
- groupId
- notGroupId
- active
- exclude

.../v1/organizationalunits/{organizationalunitsId}/logins/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of logins associated with an organizational unit ID.

.../v1/organizationalunits/{organizationalunitsId}/mailboxes.{format}

Supported HTTP method

GET

GET

Retrieves a list of mailboxes associated with an organizational unit ID.

Parameters:

- query

Query parameters:

- name
- mailboxType
- organizationalUnit
- organizationalUnitId
- mailServerId
- mailStoreId
- loginId
- notLoginId
- loginDomainName
- loginDomainId
- enableStoreManager
- deleted
- private
- userAgreement
- retentionRunId
- retentionRunPolicyId
- exclude

.../v1/organizationalunits/{organizationalunitsId}/mailboxes/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of mailboxes associated with an organizational unit ID.

24

Product

- .../v1/product/legalnotice/schema.{format}
- .../v1/product/version.{format}
- .../v1/product/legalnotice/schema.{format}
- .../v1/product/legalnoticelist.{format}

.../v1/product/license.{format}

Supported HTTP method

GET

GET

Retrieves the license information of Archive Manager.

.../v1/product/version.{format}

Supported HTTP method

GET

GET

Retrieves the version of Archive Manager.

.../v1/product/legalnotice/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for the legal notice object.

.../v1/product/legalnoticelist.{format}

Supported HTTP method

GET

GET

Retrieves a list of legal notices of the Archive Manager third parties.

NOTE: This API does not support sorting or paging.

25

Retention change logs

- .../v1/retentionchangelogs/schema.{format}
- .../v1/retentionchangelogs.{format}
- .../v1/retentionchangelogs/{retentionchangelogsId}.{format}

.../v1/retentionchangelogs/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for RetentionChangeLogs object.

.../v1/retentionchangelogs.{format}

Supported HTTP method

GET

GET

Retrieves a list of retention change logs.

Parameters:

- query

Query parameters:

- idMin
- idMax
- dateTimeUtcMin

- dateTimeUtcMax
- eventMask
- loginId
- loginName
- eventArgs
- include
    - loginName

NOTE: You must include Locks when using the parameter loginName, for example: .../v1/retentionpolicies.xml?query=include:Locks|Loginname

.../v1/retentionchangelogs/{retentionchangelogsId}.{format}

Supported HTTP method

GET

GET

Retrieves a retention change log by the retention change log ID.

26

Retention holds

- .../v1/retentionholds/schema.{format}
- .../v1/retentionholds.{format}
- .../v1/retentionholds/{retentionholdId}.{format}

.../v1/retentionholds/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for RetentionHold object.

.../v1/retentionholds.{format}

Supported HTTP method

GET | POST

GET

Retrieves a list of retention holds.

Parameters:

- query

Query parameters:

- retentionPolicyId
- loginId
- loginName
- reason
- include

- loginName
- policyName
- targetNames
- targets

NOTE: You must include Locks when using the parameter loginName, for example: .../v1/retentionpolicies.xml?query=include:Locks|Loginname

NOTE: You must include targets when using the parameter targetNames, for example: .../v1/retentionpolicies.xml?query=include:targets|targetnames

POST

Creates a list of retention holds.

.../v1/retentionholds/{retentionholdId}.{format}

Supported HTTP method

POST | DELETE

POST

Creates a retention hold.

DELETE

Deletes a retention hold by the retention hold ID.

27

Retention message logs

- .../v1/retentionmessagelogs/schema.{format}
- .../v1/retentionmessagelogs.{format}
- .../v1/retentionmessagelogs/count.{format}
- .../v1/retentionmessagelogs/{retentionMessageLogId}.{format}
- .../v1/retentionmessagelogs/report/schema.{format}
- .../v1/retentionmessagelogs/report.{format}

.../v1/retentionmessagelogs/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for RetentionMessageLogs object.

.../v1/retentionmessagelogs.{format}

Supported HTTP method

GET

GET

Retrieves a list of retention message logs.

Parameters:

- query

Query parameters:

- idMin
- idMax
- group
  - retentionRunId
  - retentionPolicyId
  - mailBoxId
  - messageId
- include
  - retentionRunName
  - retentionPolicyName
  - mailBoxName
  - messageName
  - retentionRunCount
  - retentionPolicyCount
  - mailBoxCount
  - messageCount

.../v1/retentionmessagelogs/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of retention message logs for a logged in user.

.../v1/retentionmessagelogs/{retentionMessageLogId}.{format}

Supported HTTP method

GET

GET

Retrieves a specified retention message log by its ID.

.../v1/retentionmessagelogs/report/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for RetentionMessageLogs report object.

.../v1/retentionmessagelogs/report.{format}

Supported HTTP method

GET

GET

Retrieves a list of retention message logs reports.

Parameters:

- query

Query parameters:

- retentionRunId
- retentionPolicyId
- mailboxId
- messageId
- committed
- groupBy:
  - retentionRunId
  - retentionPolicyId

    - mailboxId
    - messageId
- include
    - retentionRunName
    - retentionPolicyName
    - mailboxName
    - messageName
    - retentionRunCount
    - retentionPolicyCount
    - mailboxCount
    - messageCount

28

Retention policies

- .../v1/retentionpolicies/schema.{format}
- .../v1/retentionpolicies.{format}
- .../v1/retentionpolicies/{retentionpolicyId}.{format}
- .../v1/retentionpolicies/retentionpolicyset.{format}

.../v1/retentionpolicies/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for RetentionPolicy object.

.../v1/retentionpolicies.{format}

Supported HTTP method

GET

GET

Retrieves a list of retention policies including legal hold.

Parameters:

- query

Query parameters:

- action
- enabled
- deleted
- legalHold

- include
  - targetNames
  - tagNames
  - lockNames
  - targets
  - tags
  - locks
  - folders: Include information about folders.
    - The folder path.
    - Whether the subfolders are included.

NOTE: You must include targets when using the parameter targetNames, for example: .../v1/retentionpolicies.xml?query=include:targets|targetnames

.../v1/retentionpolicies/{retentionpolicyId}.{format}

Supported HTTP method

GET

GET

Retrieves a retention policy by the retention policy ID.

.../v1/retentionpolicies/retentionpolicyset.{format}

Supported HTTP method

GET | PUT

GET

Retrieves a list of retention policies excluding legal hold with binary checksum.

NOTE: This API does not support sorting or paging.

PUT

Replaces retention policies on the server with a list of retention policies in the request.

29

Retention runs

- .../v1/retentionruns/schema.{format}
- .../v1/retentionruns.{format}
- .../v1/retentionruns/count.{format}
- .../v1/retentionruns/{retentionrunId}.{format}
- .../v1/retentionruns/{retentionrunId}/abort.{format}
- .../v1/retentionruns/{retentionrunId}/report.{format}
- .../v1/retentionruns/{retentionrunId}/review.{format}
- .../v1/retentionruns/{retentionrunId}/retentionrunpolicies.{format}
- .../v1/retentionruns/{retentionrunId}/retentionrunpolicies/count.{format}

.../v1/retentionruns/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for RetentionRuns object.

.../v1/retentionruns.{format}

Supported HTTP method

GET

GET

Retrieves a list of retention runs.

Parameters:

- query

Query parameters:

- idMin
- idMax
- commitModeMask
- stateMask
- committed
- startTimeUtcMin
- startTimeUtcMax
- endTimeUtcMin
- endTimeUtcMax
- lastUpdateTimeUtcMin
- lastUpdateTimeUtcMax

.../v1/retentionruns/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of retention runs for a logged in user.

.../v1/retentionruns/{retentionrunId}.{format}

Supported HTTP method

GET

GET

Retrieves a retention run by the retention run ID.

.../v1/retentionruns/{retentionrunId}/abort.{format}

Supported HTTP method

GET

GET

Changes the state of a retention run to Aborted. For example, .../v1/retentionruns/{retentionrunId}/abort.xml

.../v1/retentionruns/{retentionrunId}/report.{format}

Supported HTTP method

GET

GET

Retrieves a list of statistics reports associated with a retention run ID.

Parameters:

- query

Query parameters:

- mailboxid:
- messageId
- committed
- groupBy
  - retentionRunId:
  - retentionPolicyId
  - mailboxId
  - messageId
- include:
  - retentionRunName:
  - retentionPolicyName
  - retentionPolicyName

- messageName
- retentionRunCount
- retentionPolicyCount
- mailboxCount
- messageCount

  For example, .../v1/retentionruns/1/report.xml?query=groupby:retentionpolicyid,include:retentionpolicyName|mailboxCount|messageCount

.../v1/retentionruns/{retentionrunId}/review.{format}

Supported HTTP method

GET

GET

Changes the state of a retention run by the retention run ID.

Parameters:

- accept:
  - True: The state changes to "commit".
  - False: The state changes to "done".

  For example, .../v1/retentionruns/{retentionrunId}/review.xml?accept=true

.../v1/retentionruns/{retentionrunId}/retentionrunpolicies.{format}

Supported HTTP method

GET

GET

Retrieves a list of retention run policies associated with a retention run ID.

Parameters:

- query

Query parameters:

- retentionRunId
- retentionPolicyId
- include:
  - targets
  - targetNames
  - mailBoxes
  - mailBoxNames

NOTE: You must include targets when using the parameter targetNames, for example: .../v1/retentionpolicies.xml?query=include:targets|targetnames

.../v1/retentionruns/{retentionrunId}/retentionrunpolicies/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of retention run policies for a specified retention run.

30

Retention run policies

- .../v1/retentionrunpolicies/schema.{format}
- .../v1/retentionrunpolicies.{format}
- .../v1/retentionrunpolicies/count.{format}
- .../v1/retentionrunpolicies/{retentionrunpolicyId}.{format}

.../v1/retentionrunpolicies/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for RetentionRunPolicies object.

.../v1/retentionrunpolicies.{format}

Supported HTTP method

GET

GET

Retrieves a list of retention run policies.

Parameters:

- query

Query parameters:

- retentionRunId
- retentionPolicyId

- include:
  - targets
  - targetNames
  - mailBoxes
  - mailBoxNames

NOTE: You must include targets when using the parameter targetNames, for example: .../v1/retentionpolicies.xml?query=include:targets|targetnames

.../v1/retentionrunpolicies/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of retention run policies.

.../v1/retentionrunpolicies/{retentionrunpolicyId}.{format}

Supported HTTP method

GET

GET

Retrieves a retention run policy by the retention run policy ID.

31

Retention schedule

- .../v1/retentionschedule/schema.{format}
- .../v1/retentionschedule.{format}

.../v1/retentionschedule/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for RetentionSchedule object.

.../v1/retentionschedule.{format}

Supported HTTP method

GET | PUT

GET

Retrieves the retention schedule.

PUT

Updates the retention schedule.

32

Retention settings

- .../v1/retentionsettings/schema.{format}
- .../v1/retentionsettings.{format}

.../v1/retentionsettings/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for RetentionSettings object.

.../v1/retentionsettings.{format}

Supported HTTP method

GET | PUT

GET

Retrieves the retention settings.

PUT

Updates the retention settings.

33

Security roles

- .../v1/securityroles/schema.{format}
- .../v1/securityroles.{format}
- .../v1/securityroles/{securityRoleId}.{format}
- .../v1/securityroles/{securityRoleId}/logins.{format}

.../v1/securityroles/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for SecurityRole object.

.../v1/securityroles.{format}

Supported HTTP method

GET

GET

Retrieves a list of security roles.

Parameters:

- queryId: A Base64 encoded value in the Response Header “X-QueryId”. It can be used to re-attach to a search result table or reissue a search result.
- query
- sort
- top
- lastId

- offset
- limit
- fields

Query parameters:

- name
- loginId
- exclude: excludes a list of security role IDs.

.../v1/securityroles/{securityRoleId}.{format}

Supported HTTP method

GET

GET

Retrieves a security role by the security role ID.

.../v1/securityroles/{securityRoleId}/logins.{format}

Supported HTTP method

GET

GET

Retrieves a list of logins which have a specified security role.

Parameters:

- query

Query parameters:

- loginName
- displayName
- securityRole
- notSecurityRole

- emailAddress
- organizationalUnit
- organizationalUnitId
- loginDomainId
- domainName
- loginStatus
- mailboxId
- notMailboxId
- groupId
- notGroupId
- active
- exclude

34

Server

- .../v1/server/authmode.{format}
- .../v1/server/timezone.{format}

.../v1/server/authmode.{format}

Supported HTTP method

GET

GET

Retrieves the authentication mode of the Archive Manager website.

.../v1/server/timezone.{format}

Supported HTTP method

GET

GET

Retrieves the timezone of the Archive Manager server.

JSON response sample

NOTE: For those timezones that do not support Daylight Saving Time, such as “(UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi”, the value of the property `isDaylightSavingTime` is meaningless, because it does not have the check box “Automatically adjust clock for Daylight Saving Time”, and the value is inherited from the previous settings.

```
{
  "ianaName": "Asia/Shanghai",
  "standardName": "China Standard Time",
```

```
  "offset": "08:00",
  "isDaylightSavingTime": true
}

{
  "ianaName": "America/St_Johns",
  "standardName": "Newfoundland Standard Time",
  "offset": "-03:30",
  "isDaylightSavingTime": false
}
```

35

Tags

- .../v1/tags/schema.{format}
- .../v1/tags.{format}
- .../v1/tags/count.{format}
- .../v1/tags/{tagId}.{format}
- .../v1/tags/{tagId}/messages.{format}
- .../v1/tags/{tagId}/messages/count.{format}

.../v1/tags/schema.{format}

Supported HTTP method

GET

GET

Retrieves JSON or XML schema for Tag object.

.../v1/tags.{format}

Supported HTTP method

GET | POST | PUT | DELETE

GET

Retrieves a list of tags.

Parameters:

- query

Query parameters:

- name
- loginId

- notLoginId
- hasValue
- propertyType
- defaultValue
- exclude

POST

Creates a list of tags.

PUT

Updates a list of tags.

DELETE

Deletes a list of tags.

.../v1/tags/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of tags.

.../v1/tags/{tagId}.{format}

Supported HTTP method

GET | DELETE

GET

Retrieves a tag by the tag ID.

DELETE

Deletes a tag by the tag ID.

.../v1/tags/{tagId}/messages.{format}

Supported HTTP method

GET

GET

Retrieves a list of messages associated with a tag ID.

NOTE: This API does not support sorting.

.../v1/tags/{tagId}/messages/count.{format}

Supported HTTP method

GET

GET

Retrieves the number of messages associated with a tag ID.

About us

Quest provides software solutions for the rapidly-changing world of enterprise IT. We help simplify the challenges caused by data explosion, cloud expansion, hybrid datacenters, security threats, and regulatory requirements. We are a global provider to 130,000 companies across 100 countries, including 95% of the Fortune 500 and 90% of the Global 1000. Since 1987, we have built a portfolio of solutions that now includes database management, data protection, identity and access management, Microsoft platform management, and unified endpoint management. With Quest, organizations spend less time on IT administration and more time on business innovation. For more information, visit www.quest.com.

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Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at https://support.quest.com.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request.
- View Knowledge Base articles.
- Sign up for product notifications.
- Download software and technical documentation.
- View how-to-videos.
- Engage in community discussions.
- Chat with support engineers online.
- View services to assist you with your product.