

Yahoo! Mail SDK User Guide and API Reference

September 29, 2006

Version 1.0

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1. You must use the Browser Based Authentication API to enable access to the user's Yahoo! account through your Application.
2. You may not use the Cascade API to mine or scrape user data from the user's Yahoo! account.
3. You may not use the Cascade API to recreate a mimicked version of Yahoo! Mail on your site.
4. You may not use the Cascade API to display the user's Yahoo! account information in a third party email client.

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User Guide

Overview

The YMail SDK is a SOAP web service for Yahoo! Mail. With the APIs you can access and manipulate mailboxes to perform typical mailbox tasks such as list messages and folders, and compose and send messages.

Quick Start

This section will help you to get quickly up and running using the Yahoo! Mail APIs. The following steps will take you through the process.

- [Credential the User](#)
- [Construct the SOAP Client](#)
- [Determine the User's Account Capabilities](#)
- [Make Subsequent Calls](#)
- [Batch Calls](#)

In order to use the Yahoo! Mail APIs, you first need to access your user's data, with their permission, using Brower-Based Authentication (BBA). This guide assumes you already know how to get started with BBA. See the [BBAuth](#) section on Yahoo! Developer Network for more information.

Code samples in this guide are written in PHP; however, other languages will have similar mappings.

Credential the User

Follow the steps on the [BBAuth](#) quick start, and load the web service session ID (WSSID) and the credentials for the current user.

In addition, you will need the application ID issued to you when you signed up for access to the Yahoo! Mail Web Service.

Construct the SOAP Client

Use WSDL to construct your SOAP client. Even though a service endpoint URL is indicated in the WSDL, you must provide a location URL to your SOAP toolkit. This is necessary to transmit the application ID and the WSSID. In addition, you must set the cookie header containing the cookie that was returned with the WSSID when you credentialed the user in the previous step.

```
// Construct the URL encoded URL to send requests to
$location = "http://mail.yahooapis.com/bba/ws/mail/v1/soap?appid=" .
            urlencode($appid) . "&WSSID=" . urlencode($wssid);

// Construct the SOAP client
$client = new SoapClient("http://mail.yahooapis.com/ws/mail/v1/wsd1",
                        array("location" => $location));

// Remove the leading "Y=" from the cookie string
$credential = split("=", $cookie);

// Set the "Y" cookie in the SOAP client
$client->__setCookie("Y", $credential[1]);
```

Determine the User's Account Capabilities

The Yahoo! Mail Web Service limits the functionality available to free accounts. Premium accounts have no such limits. First call the `GetUserData` method to get the user's account type from the web service.

Account Types

- **Premium Users**

Premium users may access any part of the web service. There are no restrictions.

- **Non-Premium Users**

Non-Premium users are restricted to the following APIs: `ListFolders`, `ListMessages`, `GetUserData`, `BatchExecute`, `FetchExternalMail`, `DeleteMessages`, `MoveMessages`, `CreateFolder`, `RemoveFolder`, `RenameFolder` and `EmptyFolder`. Calls to other APIs will return an error.

Calling `GetUserData`

Call `GetUserData` to find out the user's level of service, as in the following example.

```
// Load the user data
$userData = $client->GetUserData();

// Check whether the user has a premium account
```

Overview
Quick Start

```
$isPremium = $userData->data->userFeaturePref->isPremium;
```

Make Subsequent Calls

Once you have determined the user's level of service, you can make additional calls to Yahoo! Mail. For example, call the ListFolders method to get a list of folders that the user has in their mail account.

```
$folderList = $client->ListFolders();
```

Some methods require parameters passed as a single object parameter. For example, the following code creates and passes to the ListMessages method a request object containing which folder to fetch messages from, where to start, and the number of messages to fetch.

```
// Build the request parameters
$request = new stdClass();
$request->fid = "Inbox"; // List the Inbox folder

// Starting at the first position using the default sort order
$request->startInfo = 0;

// Fetch 20 message info objects
$request->numInfo = 20;

// Execute the list messages request
$messageList = $client->ListMessages($request);
```

Batch Calls

The Yahoo! Mail Web Service has a call batching mechanism. Use the BatchExecute method to execute up to five methods in a single call. The following example calls BatchExecute to create and rename a folder in one call. (Is there a benefit to this? Saves time or memory?)

```
// Construct the batch execute request.
$batchExecuteRequest = new stdClass();

// Hold all of the calls being batched
$batchExecuteRequest->call = array();

// Construct a request to construct a new folder named "Foo"
$createRequest = new stdClass();
$createRequest->CreateFolder = new stdClass();
$createRequest->CreateFolder->name = "Foo";

// Add the request to the batch
array_push($batchExecuteRequest->call, $createRequest);
```

Overview
Endpoints

```
// Construct a request to rename the folder named "Foo" to "Bar"
$renameRequest = new stdClass();
$renameRequest->RenameFolder = new stdClass();
$renameRequest->RenameFolder->fid = "Foo";
$renameRequest->RenameFolder->name = "Bar";

// Add the request to the batch
array_push($batchExecuteRequest->call, $renameRequest);

// Execute the batch
$response = $client->BatchExecute($batchExecuteRequest);
```

Endpoints

All endpoints accept POST requests. The requests are serialized in one way or another (XML, JSON, PHP) and comprise the entire POST body. The request headers should indicate what content type the request is in. All endpoints accept and return UTF-8 data only.

SOAP Endpoint

SOAP can be reached by sending all calls to <http://mail.yahooapis.com/ws/mail/v1/soap>. Additionally, the WSDL for the service is available at <http://mail.yahooapis.com/ws/mail/v1/wsdl>.

JSON-RPC Endpoint

The JSON-RPC endpoint implements the JSON-RPC spec on top of the web service. Requests are serialized JavaScript following a specific data format. Each serialized JavaScript object contains the following properties:

- **method**: name of the API method being called.
- **params**: an array containing the method parameters.
- **id** (optional): the ID of the request, allows asynchronous clients to match a response back up with the original request.

The service responds with serialized JavaScript as well. Once again, the JavaScript object follows a specific data format:

- **result**: the return from the API method, must be null if there was an error.

Overview

Endpoints

- error: an error object resulting from the call being made (like an exception), must be null if there was no error.
- id (optional): the ID specified in the request, if specified.

Methods

BatchExecute

BatchExecute

BatchExecute calls a series of specified API methods to be processed consecutively.

Parameters

Name	Description
call	BatchCall . API methods to call.

Returns

Name	Description
response	BatchResponse

Throws

- [AuthenticationFault](#)

Examples

Request

Sample Request batch that calls FetchExternalMail and ListFolders.

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:BatchExecute xmlns:m="urn:yahoo:ymws">
      <call>
        <FetchExternalMail>
          <externalAccounts>
            <protocol>pop3</protocol>
            <userName>edgerton</userName>
            <server>ypop.corp.yahoo.com</server>
          </externalAccounts>
```

BatchExecute

```
        </FetchExternalMail>
    </call>
    <call>
        <ListFolders>
            <resetMessengerUnseen>>true</resetMessengerUnseen>
        </ListFolders>
    </call>
</m:BatchExecute>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Sample Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <SOAP-ENV:Body>
        <BatchExecuteResponse>
            <response>
                <FetchExternalMailResponse>
                    <fetchResults>
                        <status/>
                        <numFetched>0</numFetched>
                    </fetchResults>
                </FetchExternalMailResponse>
            </response>
            <response>
                <ListFoldersResponse>
                    <numberOfFolders>6</numberOfFolders>
                    <folder unread="1" total="35" size="223097" isSystem="true">
                        <folderInfo fid="%40B%40Bulk" name="@B@Bulk"/>
                    </folder>
                    <folder unread="1" total="1" size="937"
                        isSystem="true"><folderInfo fid="Draft" name="Draft"/>
                    </folder>
                    <folder unread="543" total="589" size="11322299"
                        isSystem="true">
                        <folderInfo fid="Inbox" name="Inbox"/>
                    </folder>
                    <folder unread="0" total="1" size="2521"
                        isSystem="true"><folderInfo fid="Sent" name="Sent"/>
                    </folder>
                    <folder unread="0" total="0" size="0" isSystem="true">
                        <folderInfo fid="Trash" name="Trash"/>
                    </folder>
                </ListFoldersResponse>
            </response>
        </BatchExecuteResponse>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

BatchExecute

```
        </folder>
        <folder unread="0" total="0" size="0" isSystem="false">
          <folderInfo fid="test" name="test"/>
        </folder>
      </ListFoldersResponse>
    </response>
  </BatchExecuteResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```


CreateFolder

CreateFolder

CreateFolder adds a new personal folder to the user's MyFolder list. Folder names can be letters, numbers, and the hyphen (-), space (), and underline () characters only. Characters other than these will return an [IllegalCharacterFault](#) exception.

Parameters

Name	Description
name	Name for the new folder.

Returns

Name	Description
folderInfo	The ID and name of the new folder.

Throws

- [AccessDeniedFault](#)
- [IllegalCharacterFault](#)
- [FolderAlreadyExistsFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:CreateFolder xmlns:m="urn:yahoo:ymws">
      <name>test</name>
    </m:CreateFolder>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

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

CreateFolder

```
<SOAP-ENV:Envelope xmlns:SOAP-  
ENV="http://schemas.xmlsoap.org/soap/envelope/">  
  <SOAP-ENV:Body>  
    <CreateFolderResponse>  
      <folderInfo fid="test" name="test"/>  
    </CreateFolderResponse>  
  </SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

DeleteMessages

DeleteMessages

DeleteMessages deletes the specified message(s) from the email account. Can supply a list of flags to selectively delete messages.

Parameters

Name	Description
fid	Folder ID. Name and ID of the folder.
mid	Message ID. Repeatable.
selection	Flag for deleting messages that have the selection flag set. All messages will be deleted if an empty Flag object is passed and no mid is present in the request.

Returns

Name	Description
error	ErrorCode . Repeatable

Throws

- [AuthenticationFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:DeleteMessages xmlns:m="urn:yahoo:ymws">
      <fid>Trash</fid>
      <mid>1_22_AOLIjkQAAAyqRPSgjjwGI90KEyRM</mid>
```

DeleteMessages

```
    </m:DeleteMessages>  
  </SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>  
<SOAP-ENV:Envelope xmlns:SOAP-  
ENV="http://schemas.xmlsoap.org/soap/envelope/">  
  <SOAP-ENV:Body>  
    <DeleteMessagesResponse/>  
  </SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

DownloadAttachment

DownloadAttachment

DownloadAttachment downloads a file attached to a message.

Endpoint

`http://servername/ya/download`

Parameters

Query string arguments

DownloadAttachment**Yahoo! Mail Classic Style**

Name	Description
box	Name of the folder containing the message.
MsgId	Old style message ID of the message containing the attachment.
bodyPart	ID of the specific part to download.
tnef (optional)	Index of an individual attachment within a TNEF attachment (winmail.dat).

Yahoo! Mail Cascade Style

Name	Description
fid	ID of the folder containing the message.
mid	New style message ID of the message containing the attachment.
pid	ID of the specific part to download.
tnef (optional)	Index of an individual attachment within a TNEF attachment (winmail.dat).
clean	If set to 1, the attachment needs scanning because it may have a virus. If set to 0, no scanning is required.
inline	If set to 1, download as inline. No content disposition is set in this case.
redirectURL	If a redirectURL is provided, it is redirected to it with an errorcode, if an error is encountered while downloading. If not provided, HTTP errorcodes are returned.

DownloadAttachment**Error Codes****Scanning related error codes:**

Error Code	Meaning
download_av_internal_error	Internal error.
download_av_error	
download_av_no_virus	Attachment does not have a virus.
download_has_virus_cant_clean	Attachment has a virus that can't be cleaned.
download_cleaned	Attachment had a virus and was cleaned.
download_not_scannable	Attachment is not virus scannable.
download_av_server_down	Server is down.
download_has_virus	Attachment has a virus.

Other

Possible errors and their HTTP responses when no redirect URL is provided:

Error Code	HTTP Response	Meaning
invalid_cookies	404	Invalid cookies
could_not_open_udb	404	Could not open UDB database.
one_time_url_failed	500	Server error.
no_credentials	404	No credentials.
cred_decrypt_failed	404	Failed to decrypt credentials.
mailbox_open_err	404	Could not open mailbox.
tnef_not_found	404	tnef attachment not found.
bad_tnef_param	404	tnef attachment does not exist for that parameter.
part_not_found	500	Part not found.
redirect_url_missing	500	Redirect URL is missing.
internal_error	500	Internal error.
attachment_not_found	500	Attachment not found.

DownloadAttachment**Examples****Request**

```
GET
/ya/download?mid=1_38188_AJ%2FPjkQAAEkMRE%2Fa9wVAADkU97c&fid=Inbox&pid=2&
tnef=&clean=0&redirectURL=http%3A%2F%2Fweb32302.mail.mud.yahoo.com%2Fdc%2
Fvirusresults.html%3Ffrom%3Ddownload_response%26ui%3Dlargewindow%26YY%3D1
147203770155%26 HTTP/1.1
```

Reponse HTTP header

```
HTTP/1.1 200 OK Date: Tue, 09 May 2006 19:45:36 GMT P3P?:
policyref="http://p3p.yahoo.com/w3c/p3p.xml", CP="CAO DSP COR CUR ADM DEV
TAI PSA PSD IVAi IVDi CONi TELo OTPi OUR DELi SAMi OTRi UNRi PUBi IND PHY
ONL UNI PUR FIN COM NAV INT DEM CNT STA POL HEA PRE GOV" Content-
Disposition: attachment; filename="a10.htm" Cache-Control: private
Connection: close Transfer-Encoding: chunked Content-Type: text/html
Content-Encoding: gzip Set-Cookie: BX=2j8oac5261sb0&b=3&s=t9;
expires=Tue, 02-Jun-2037 20:00:00 GMT; path=/; domain=.207.150
```


EmptyFolder

EmptyFolder

EmptyFolder permanently deletes all messages in the specified folder.

Parameters

Name	Description
fid	Fid . Folder ID of the folder to empty.

Returns

None

Throws

- [AuthenticationFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:EmptyFolder xmlns:m="urn:yahoo:ymws">
      <fid>Trash</fid>
    </m:EmptyFolder>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <EmptyFolderResponse/>
  </SOAP-ENV:Body>
```



EmptyFolder

</SOAP-ENV:Envelope>

FetchExternalMail

FetchExternalMail retrieves messages from the user's external mail account.

Parameters

Name	Description
externalAccounts	ExternalAccount

Returns

Name	Description
fetchResults	FetchResult

Throws

- [AuthenticationFault](#)

Example

Request

Sample Request batch that calls FetchExternalMail and ListFolders.

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:BatchExecute xmlns:m="urn:yahoo:ymws">
      <call>
        <FetchExternalMail>
          <externalAccounts>
            <protocol>pop3</protocol>
            <userName>edgerton</userName>
            <server>ypop.corp.yahoo.com</server>
```

FetchExternalMail

```
        </externalAccounts>
    </FetchExternalMail>
</call>
<call>
    <ListFolders>
        <resetMessengerUnseen>true</resetMessengerUnseen>
    </ListFolders>
</call>
</m:BatchExecute>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Sample Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <SOAP-ENV:Body>
        <BatchExecuteResponse>
            <response>
                <FetchExternalMailResponse>
                    <fetchResults>
                        <status/>
                        <numFetched>0</numFetched>
                    </fetchResults>
                </FetchExternalMailResponse>
            </response>
            <response>
                <ListFoldersResponse>
                    <numberOfFolders>6</numberOfFolders>
                    <folder unread="1" total="35" size="223097" isSystem="true">
                        <folderInfo fid="%40B%40Bulk" name="@B@Bulk"/>
                    </folder>
                    <folder unread="1" total="1" size="937"
                        isSystem="true"><folderInfo fid="Draft" name="Draft"/>
                    </folder>
                    <folder unread="543" total="589" size="11322299"
                        isSystem="true">
                        <folderInfo fid="Inbox" name="Inbox"/>
                    </folder>
                    <folder unread="0" total="1" size="2521"
                        isSystem="true"><folderInfo fid="Sent" name="Sent"/>
                    </folder>
                    <folder unread="0" total="0" size="0" isSystem="true">
```

FetchExternalMail

```
        <folderInfo fid="Trash" name="Trash"/>
    </folder>
    <folder unread="0" total="0" size="0" isSystem="false">
        <folderInfo fid="test" name="test"/>
    </folder>
</ListFoldersResponse>
</response>
</BatchExecuteResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FlagMessages

FlagMessages

FlagMessages sets a flag for one of more messages. Optionally can specify a set of messages to flag based on existing flag settings, such as, flag only opened messages.

Parameters

Name	Description
sourceFid	Fid . Folder ID of messages to set flags for.
mid	List of message IDs to set flags for.
setFlags	SetFlag . Specifies which flag to set.
selection	Flag for flagging only messages that have selection flag set. All messages will be flagged if an empty flag object is passed and no mid is present in the request.

Returns

Name	Description
returnCodes	ErrorCode

Throws

- [AuthenticationFault](#)

Example

Request

Set flag to read for messages in the bulk mail folder.

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:FlagMessages xmlns:m="urn:yahoo:ymws">
```

FlagMessages

```
        <fid>%40B%40Bulk</fid>
        <selection/>
        <setFlags read="1">
    </setFlags>
    </m:FlagMessages>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <FlagMessagesResponse/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

GetMessage

GetMessage

GetMessage fetches the content of the specified messages and puts them in the appropriate folder.

Parameters

Name	Description
truncateAt	Number of bytes to begin truncation of message.
fid	Fid . Folder ID.
mid	List of message ids (deprecated).
message	List of MidRequest objects which includes message ID and YIV parameters.
charsetHint	

Returns

Name	Description
total	Total number of messages fetched.
folder	FolderData
message	List of Message . Only text/plain/HTML parts are populated with full message content (text).
header	List of Header
code	ErrorCode

Throws

- [AuthenticationFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
```


GetMessage

```
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:GetMessage xmlns:m="urn:yahoo:ymws">
      <fid>Inbox</fid>
      <message>
        <mid>1_326196_AIzJjkQAALMcRQ1r7QE89VmzZIQ</mid>
        <enableWarnings>true</enableWarnings>
        <expandCIDReferences>true</expandCIDReferences>
      </message>
      <message>
        <mid>1_10615_AHPPjkQAANyjROs4vQW+byTLsnY</mid>
        <enableWarnings>true</enableWarnings>
        <expandCIDReferences>true</expandCIDReferences>
      </message>
      <message>
        <mid>1_12161_AH/PjkQAATjCROKQ3A3FGSkE1+U</mid>
        <enableWarnings>true</enableWarnings>
        <expandCIDReferences>true</expandCIDReferences>
      </message>
      <truncateAt>102400</truncateAt>
      <transform-markup>remove-javascript</transform-markup>
    </m:GetMessage>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <GetMessageResponse>
      <total>1</total>
      <folder unread="441" total="492" size="10101880" isSystem="true">
        <folderInfo fid="Inbox" name="Inbox"/>
      </folder>
      <message>
        <mid>1_326196_AIzJjkQAALMcRQ1r7QE89VmzZIQ</mid>
        <receivedDate>1158245354</receivedDate>
        <subject>AAdvantage eSummary for Sept 06</subject>
        <from>
          <name>AADVANTAGE</name>
          <email>esummary@advantage.info.a.com</email>
        </from>
        <replyto>
```

GetMessage

```
    <name>AADVANTAGE</name>
    <email>esummary@aadvantage.info.aa.com</email>
  </replyto>
  <to>
    <name></name>
    <email>SMITH@YAHOO.COM</email>
  </to>
  <domainkey>>false</domainkey>
  <part partId="HEADER" type="X-unknown" subtype="" typeParams=""
    disposition="" dispParams="" encoding="7bit" filename=""
    size="1174" isTruncated="true" contentId=""
    referencedInline="false"/>
  <part partId="TEXT" type="text" subtype="html"
    typeParams="charset=ISO-8859-1" disposition="" dispParams=""
    encoding="7bit" filename="" size="34474" isTruncated="true"
    contentId="" referencedInline="false">
    <text>incoming mail message text</text>
  </part>
</message>
</GetMessageResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

GetMessageRawHeader

GetMessageRawHeader returns the full header for the specified message(s).

Parameters

Name	Description
fid	Fid
mid	List of message IDs to get raw headers for.

Returns

Name	Description
total	Total number of messages fetched.
rawheaders	Array of all the message headers.
error	ErrorCode

Throws

- [AuthenticationFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:GetMessageRawHeader xmlns:m="urn:yahoo:ymws">
      <fid>Inbox</fid>
      <mid>1_49265_AKxEv9EAAWxyQ5mV8AQaUR8y2Dg</mid>
    </m:GetMessageRawHeader>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

GetMessageRawHeader**Response**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <GetMessageRawHeaderResponse total="1">
      <rawheaders>From Dylan Greene Fri Dec 9 06:27:58 2005
Return-Path: &lt;esc1101152609431_1101151674506_1699@in.roving.com&gt;
Authentication-Results: mta203.mail.scd.yahoo.com
  from=teacherreviews.com; domainkeys=neutral (no sig)
Received: from 63.251.135.109 (EHLO ccm08.roving.com) (63.251.135.109)
  by mta203.mail.scd.yahoo.com with SMTP; Fri, 09 Dec 2005 06:34:23 -0800
Received: from ws11 (unknown [10.200.200.61])
  by ccm08.roving.com (Postfix) with ESMTP id 8C1323C2915
  for &lt;smith@yahoo.com&gt;; Fri, 9 Dec 2005 09:27:58 -0500 (EST)
Message-ID: &lt;1101152609431.1101151674506.1699.5.50931@scheduler&gt;
From: Dylan Greene &lt;dylan@teacherreviews.com&gt;
Reply-To: dylan@teacherreviews.com
To: smith@yahoo.com
Subject: TeacherReviews is back!
MIME-Version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 7bit
Date: Fri, 9 Dec 2005 09:27:58 -0500 (EST)
Content-Length: 582
      </rawheaders>
    </GetMessageRawHeaderResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

GetMetaData

GetMetaData

GetMetaData retrieves meta data stored at the specified path. If no path is supplied, all meta data stored by all applications will be retrieved.

Parameters

Name	Description
path	optional array of path(s) as strings. Nodes in the path are separated by ">". Therefore the key names cannot have ">" in them.

Returns

Name	Description
meta	MetaData . In case path(s) are passed to the GetMetaData method, the returned meta data will be an array, each element containing the path passed in as the 'name' and 'meta' as the corresponding meta element for that path in the global meta tree.

Throws

- [AuthenticationFault](#)

GetUserData

GetUserData

GetUserData gets account information about the user from the mail server.

Returns

Name	Description
data	UserData

Throws

- [AuthenticationFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <GetUserData>
    </GetUserData>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"><SOAP-ENV:Body>
  <GetUserDataResponse>
    <data>
      <userFeaturePref>
        <hasAddressGuard>>false</hasAddressGuard>
        <intl>us</intl>
        <hasMailPlus>>false</hasMailPlus>
```

GetUserData

```
<hasStationery>>false</hasStationery>
<hasAds>>true</hasAds>
<mailboxQuota>1073741824</mailboxQuota>
<quotaUsed>7048267</quotaUsed>
<soundNewMail></soundNewMail>
<mailCheckInterval>1</mailCheckInterval>
<attachFiles>50</attachFiles>
<attachFileSize>10485760</attachFileSize>
<attachTotalSize>10485760</attachTotalSize>
<attachTotalEncodedSize>13946061</attachTotalEncodedSize>
<filtersMax>15</filtersMax>
</userFeaturePref>
<userUIPref>
  <composeFontFamily></composeFontFamily>
  <composeFontSize>0</composeFontSize>
  <defaultSortOrder>down</defaultSortOrder>
  <useRichText>dynamic</useRichText>
  <imageBlocking>b</imageBlocking>
  <msgPaneVisible>true</msgPaneVisible>
  <showTo>>false</showTo>
  <newsCategory>entertainment</newsCategory>
  <showCalendarStrip>>false</showCalendarStrip>
  <goOnMessageDelete>msg</goOnMessageDelete>
</userUIPref>
<userSpamPref>
  <spamGuardPlusEnabled>>false</spamGuardPlusEnabled>
  <spamFilterActive>true</spamFilterActive>
  <spamMoveToInbox>true</spamMoveToInbox>
  <spamCleanupPeriod>14</spamCleanupPeriod>
  <spamBlockSender>true</spamBlockSender>
</userSpamPref>
<userVacationPref>
  <vacationResponseOn>>false</vacationResponseOn>
  <vacationResponseSubject></vacationResponseSubject>
  <vacationResponseText></vacationResponseText>
  <vacationResponseDomain0></vacationResponseDomain0>
  <vacationResponseDomain1></vacationResponseDomain1>
  <vacationResponseStartDate></vacationResponseStartDate>
  <vacationResponseEndDate></vacationResponseEndDate>
</userVacationPref>
<userSendPref>
  <defaultID>smith@yahoo.com</defaultID>
  <defaultFromName></defaultFromName>
  <defaultFromAddress>smith@yahoo.com</defaultFromAddress>
  <defaultReplyToAddress></defaultReplyToAddress>
  <canSendFromPopAcct>>false</canSendFromPopAcct>
```

GetUserData

```
<showCcBcc>hide</showCcBcc>
<includeMsgOnReply>short</includeMsgOnReply>
<signatureActive>>false</signatureActive>
<signatureText></signatureText>
<richTextSignature>plain</richTextSignature>
<addUnknownContact>unspecified</addUnknownContact>
<autosaveOnSend>no</autosaveOnSend>
</userSendPref>
<userPopPref>
  <hasPOP>>false</hasPOP>
  <popNoBulk>>false</popNoBulk>
  <popBulkSubjectPrefix>>false</popBulkSubjectPrefix>
</userPopPref>
<externalAccounts extAccountsTotal="1">
  <extAccount accountName="work" fromName="" address="" replyTo=""
server="ypop.corp.yahoo.com" username="smith" colorIndicator="r"
folder="Inbox" port="110" leaveMail="false" retrieveOnlyNew="false"
useFilters="false" isDefault="false"/>
</externalAccounts>
<disposableAddresses deaNamesTotal="0"/>
<aliases aliasesTotal="0"/>
<otherYahooMboxes otherYahooMboxesTotal="0"/>
<blockedAddresses blockedAddressesTotal="65"
  blockedAddressesMax="1">
  <blockedAddress>411@dsforless.com</blockedAddress>
</blockedAddresses>
<switches>
  <noFormWarning>>false</noFormWarning>
</switches>
</data>
</GetUserDataResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```


ListFolders

ListFolders

ListFolders returns a list of folders from users account.

Parameters

Name	Description
resetMessageUnseen	Reset unseen messages icon in Yahoo! Messenger.

Returns

Name	Description
numberOfFolders	Total number of folders to list.
folder	List of FolderData .

Throws

- [AuthenticationFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:ListFolders xmlns:m="urn:yahoo:ymws">
      <resetMessengerUnseen>true</resetMessengerUnseen>
    </m:ListFolders>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

ListFolders**Response**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <ListFoldersResponse>
      <numberOfFolders>5</numberOfFolders>
      <folder unread="8" total="8" size="18304" isSystem="true">
        <folderInfo fid="%40B%40Bulk" name="@B@Bulk"/>
      </folder>
      <folder unread="1" total="1" size="937" isSystem="true">
        <folderInfo fid="Draft" name="Draft"/>
      </folder>
      <folder unread="560" total="617" size="11663659" isSystem="true">
        <folderInfo fid="Inbox" name="Inbox"/>
      </folder>
      <folder unread="0" total="1" size="2521" isSystem="true">
        <folderInfo fid="Sent" name="Sent"/>
      </folder>
      <folder unread="0" total="1" size="679" isSystem="true">
        <folderInfo fid="Trash" name="Trash"/>
      </folder>
    </ListFoldersResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

ListMessages

ListMessages

ListMessages returns a list of messages for the specified user from yMail.

Parameters

Name	Description
sortKey	SortKey
sortOrder	SortOrder
fid	Fid
filterBy	Flag Used to filter by flags.
groupBy	GroupBy . Used to group messages (unread first, etc).
startMid	First message id to return.
numMid	Number of message IDs to return.
startInfo	First message info to return.
numInfo	Number of message infos to return.
offsetMid	Message ID to center on.
loc	OffsetType . Used to decide how to center on the mid.

ListMessages**Returns**

Name	Description
folder	FolderData
mid	Unbounded list of message IDs.
messageInfo	List of MessageInfo .
startMid	
numMid	
startInfo	
numInfo	
loc	MidLocationRes
groupBy	GroupBy

Throws

- [AuthenticationFault](#)

Example**Request**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <ListMessages startMid="0" startInfo="0" numMid="10" numInfo="1">
      <fid>Inbox</fid>
    </ListMessages>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
```

ListMessages

```
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <ListMessagesResponse startMid="0" startInfo="0" numMid="10"
numInfo="1">
      <folder unread="5" total="19" size="10358178">
        <folderInfo fid="Inbox" name="Inbox"/>
      </folder>
      <mid>1_10690_AKPPjkQAAHsRQzUlaAAAnSyXpatM</mid>
      <mid>1_159_AKHPjkQAAGHKQyccZgnrGirdfks</mid>
      <mid>1_697_AKDPjkQAATdTQx+GBgWKY2C+E4I</mid>
      <mid>1_1269_AJrPjkQAAGACQx3P4gAgGnCWgUA</mid>
      <mid>1_1674_AKPPjkQAAD9pQxNdsQXkam+Ac+Q</mid>
      <mid>1_2319_AJrPjkQAARyyQwIc3gHTmApssKQ</mid>
      <mid>1_2888_AJ/PjkQAAJfZQv0SegHi008K510</mid>
      <mid>1_3504_AJvPjkQAANBLQv0NcwovmS4QtQg</mid>
      <mid>1_4112_AKHPjkQAAVulQswRLgjQF3B4YGw</mid>
      <mid>1_4676_AJrPjkQAAJjCQsXiUQ2lcSYHdMg</mid>
      <messageInfo mid="1_10690_AKPPjkQAAHsRQzUlaAAAnSyXpatM"
        toEmail="mc_ymailsearch_test@yahoo.com"
        subject="Vote for your favorite spots in
          San Francisco, you could win a 2006
          Mazda!"
        mimeType="multipart/alternative"
        externalPopServer=""
        receivedDate="1127551268" size="18714">
      <flags isReplied="0"
        isFlagged="0"
        isRead="0"
        isDraft="0"
        isForwarded="0"
        isHam="0"
        isSpam="0"
        hasAttachment="0"
        inAddressBook="0"/>
      <from>
        <name>Yahoo! Local</name>
        <email>directmail@yahoo-inc.com</email>
      </from>
      <inboxservices>
        <name>allow</name>
        <value>all</value>
      </inboxservices>
      <inboxservices>
        <name>sbc</name>
        <value>9ccfff</value>
      </inboxservices>
```

ListMessages

```
<inboxservices>
  <name>sih</name>
  <value>16</value>
</inboxservices>
<inboxservices>
  <name>siu</name>
<value>http://us.il.yimg.com/us.yimg.com/a/di/direct/y_16.gif</value>
</inboxservices>
<inboxservices>
  <name>siw</name>
  <value>16</value>
</inboxservices>
</messageInfo>
</ListMessagesResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

MoveMessages

MoveMessages

MoveMessages moves a message or group of messages to another folder.

Parameters

Name	Description
sourceFid	Source folder ID.
destinationFid	Destination folder ID.
mid	Message ID. This can be repeated for each message to be moved.
selection	Move messages matching the selection flags. All messages will be moved if an empty flags object is passed and no mid is present in the request.

Returns

Name	Description
sourceFolder	FolderData . Source folder data.
destinationFolder	FolderData . Destination folder data.
mid	New message ID's (repeatable).
error	ErrorCode

Throws

- [AuthenticationFault](#)

Example

Request

This SOAP request moves a message to the trash folder.

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
```

MoveMessages

```
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:MoveMessages xmlns:m="urn:yahoo:ymws">
      <sourceFid>Inbox</sourceFid>
      <destinationFid>Trash</destinationFid>
      <mid>1_1443_AC/IjkQAAAqdRQNBbQGcQHAXAY</mid>
    </m:MoveMessages>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <MoveMessagesResponse>
      <sourceFolder unread="560" total="616" size="11661067"
        isSystem="true">
        <folderInfo fid="Inbox" name="Inbox"/>
      </sourceFolder>
      <destinationFolder unread="0" total="1" size="2592"
        isSystem="true">
        <folderInfo fid="Trash" name="Trash"/>
      </destinationFolder>
      <mid>1_142_AC/IjkQAAAqdRQNBbQGcQHAXAY</mid>
    </MoveMessagesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```


RemoveFolder

RemoveFolder

RemoveFolder deletes the specified folder. Only personal folders can be deleted.

Parameters

Name	Description
fid	Fid . Folder ID and name of folder to remove.

Returns

Name	Description
RemoveFolderResponse	Indicates folder was successfully removed.

Throws

- [AuthenticationFault](#)
- [AccessDeniedFault](#)
- [FolderAlreadyExistsFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:RemoveFolder xmlns:m="urn:yahoo:ymws">
      <fid>untitled</fid>
    </m:RemoveFolder>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

RemoveFolder**Response**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <RemoveFolderResponse/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

RenameFolder

RenameFolder

RenameFolder renames the specified folder from the users my folders list. Only personal folders can be renamed.

Parameters

Name	Description
fid	Fid . Folder ID and name of folder to rename.
name	Name for new folder.

Returns

Name	Description
FolderInfo	Fid . Folder ID and name of renamed folder.

Throws

- [AuthenticationFault](#)
- [IllegalCharacterFault](#)
- [AccessDeniedFault](#)

Example

ResetSpamFilter

ResetSpamFilter

ResetSpamFilter clears the user's spam filter profile. This feature is only available to premium subscribers.

Parameters

None

Returns

None

Throws

- [AuthenticationFault](#)

Example

SaveMessage

SaveMessage

Save the user's message.

Parameters

Name	Description
destination	SaveMessageDestination
message	ComposeMessage .

Returns

Name	Description
mid	Message ID.

Throws

- [AuthenticationFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:SaveMessage xmlns:m="urn:yahoo:ymws">
      <message messageType="new">
        <to>
          <email>smith@hotmail.com</email>
        </to>
        <from>
          <email>smith@yahoo.com</email>
        </from>
      </message>
    </m:SaveMessage>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

SaveMessage

```
</from>
<simplebody>
  <text>save me</text>
  <html>&lt;html&gt;&lt;head&gt;&lt;style
type="text/css"&gt;&lt;!-- DIV {margin:0px;} --
&gt;&lt;/style&gt;&lt;/head&gt;&lt;body&gt;&lt;div style="font-
family:times new roman, new york, times, serif;font-
size:12pt"&gt;&lt;DIV&gt;save
me&lt;/DIV&gt;&lt;/div&gt;&lt;/body&gt;&lt;/html&gt;
  </html>
</simplebody>
<subject>save?</subject>
</message>
<destination>
  <fid>Draft</fid>
</destination>
</m:SaveMessage>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <SaveMessageResponse>
      <mid>1_469_AIvJjkQAAFnmRQnUfAuFtxE6sCM</mid>
    </SaveMessageResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

SaveRawMessage

SaveRawMessage

SaveRawMessage saves the body and header of the message. Useful for importing messages from another source into Yahoo! Mail.

Parameters

Name	Description
fid	Fid . Folder ID and name.
text	Base64 encoded MIME message

Returns

Name	Description
mid	New message ID

Throws

- [AuthenticationFault](#)

Example

SearchMessages

SearchMessages searches for messages based on certain criteria. Search results can be returned as only the message id, with message information, or a combination of both. For example, to improve performance, you can request search results with summary information for the number of results that can be displayed on the screen, and only request message IDs for the remainder. As the user asks to see more results, the message IDs can be used to more quickly obtain additional message details.

The response denotes found search terms in the MessageInfo | Snippets tag by surrounding the found term with “^_”. For example: ^_search term^_.

SearchMessages**Parameters**

Name	Description
sortKey	SortKey . The key used to sort the results.
sortOrder	SortOrder . Up or down. List results either up or down.
search	Text. Text to find in messages.
groupBy	GroupBy . Optional flag used to group messages.
startMid	Optional starting message ID position.
startInfo	Optional starting point to retrieve messages with MessageInfo .
numMid	Number of messages to retrieve as message IDs.
numInfo	Number of messages as MessageInfo retrieved.

Returns

Name	Description
folder	Fid
mid	Comma separated list of message ids.
messageInfo	List of MessageInfo
startMid	First returned message as a message ID.
numMid	Number of messages returned as a message ID.
startInfo	First returned message with MessageInfo .
numInfo	Number or messages returned with MessageInfo .
loc	OffsetType
groupBy	GroupBy . Flag used to group returned messages.

Throws

- [AuthenticationFault](#)

SearchMessages**Example****Request**

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:SearchMessages xmlns:m="urn:yahoo:ymws" startMid="0" numMid="300"
      startInfo="0" numInfo="50">
      <sortKey>date</sortKey>
      <sortOrder>down</sortOrder>
      <transform-markup>remove-javascript</transform-markup>
      <search>
        <query>gearmail</query>
      </search>
    </m:SearchMessages>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <SearchMessagesResponse startMid="0" startInfo="0" numMid="1"
numInfo="1">
      <folder unread="0" total="1" size="0" isSystem="true">
        <folderInfo fid="%40S%40Search" name="@S@Search"/>
      </folder>
      <mid>1_22_1_62655_0_AKVEv9EAAHv+Q3S4CQG01TYO2EM</mid>
      <messageInfo mid="1_22_1_62655_0_AKVEv9EAAHv+Q3S4CQG01TYO2EM"
toEmail="smith@yahoo.com" subject="REI-OUTLET: Holiday Deals Just Added"
mimeType="text/html" externalPopServer="" receivedDate="1131722754"
size="12420">
        <flags isReplied="0" isFlagged="0" isRead="1" isDraft="0"
isForwarded="0" isHam="0" isSpam="0" hasAttachment="0"
inAddressBook="0"/>
        <from>
          <name>REI Gearmail</name>
          <email>REI_Gearmail@email.rei.com</email>
```

SearchMessages

```
</from>
<searchinfo>
  <snippets> ... images or links? View this e-mail here:
  www.rei.com/gm REI ^_Gearmail^_® November 11, 2005 At REI-OUTLET we're
  grinning from ear ... gloves! Make sure you receive your e-mail from REI.
  Add REI_^_Gearmail^_@email.rei.com to your address book. Unsubscribe or
  Change Your ... </snippets>
  <matchedFields>from</matchedFields>
  <matchedFields>body</matchedFields>
</searchinfo><folderInfo fid="%40S%40Search" name="@S@Search"/>
<sourceFolderInfo fid="Inbox" name="Inbox"/>
</messageInfo>
</SearchMessagesResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

SendMessage

SendMessage

SendMessage sends a new email message to another user.

Parameters

Name	Description
message	ComposeMessage
savecopy	Whether to save a copy of the message.

Returns

none

Throws

- [AuthenticationFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:SendMessage xmlns:m="urn:yahoo:ymws">
      <message>
        <to>
          <email>jsmith123@hotmail.com</email>
        </to>
        <from>
          <email>jjohnson64@yahoo.com</email>
        </from>
        <simplebody>
          <text>this is a test</text>
        </simplebody>
      </message>
    </m:SendMessage>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

SendMessage

```
<html>&lt;html&gt;&lt;head&gt;&lt;style type="text/css"&gt;&lt;!--  
  - DIV {margin:0px;} </html>  
</simplebody>  
<subject>test</subject>  
</message>  
</m:SendMessage>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>  
<SOAP-ENV:Envelope xmlns:SOAP-  
ENV="http://schemas.xmlsoap.org/soap/envelope/">  
  <SOAP-ENV:Body>  
    <SendMessageResponse/>  
  </SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

SetMetaData

SetMetaData

SetMetaData stores data at a specified path.

Parameters

Name	Description
meta	<p data-bbox="615 656 1258 841">PathMetaData. If PathMetaData is passed in using the optional 'path' parameter, the data is stored in the node corresponding to the path. An array of them can be passed, provided all of them have a path associated, in which case they are saved to the corresponding nodes, or none of them have a path, in which case the entire structure is rewritten.</p> <p data-bbox="615 864 1258 1085">If the 'path' is found in the existing structure, the corresponding element is replaced by the new one passed in. If the leaf node of the 'path' is reached, but not found, a new leaf is added at its parents level with the data passed in. If a leaf node is reached in the structure while in the midst of the 'path', a new subtree is created by filling in the required intermediate nodes, so that the new node can still be set.</p>

Returns

Name	Description
meta	MetaData .

Throws

- [AuthenticationFault](#)

Example

Request

```
<SOAP-ENV:Envelope xmlns:SOAP-
```

SetMetaData

```
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/1999/XMLSchema" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
<SOAP-ENV:Body>
  <m:SetMetaData xmlns:m="urn:yahoo:ymws">
    <meta name="rss">
      <meta name="feeds">
        <meta name="urn:rss:aggr:root">
          <meta name="creationDate" value="1153421479000"/>
        </meta>
        <meta name="yfeed://shm/reuters/frtn">
          <meta name="creationDate" value="1157559196000"/>
        </meta>
        <meta name="
          "http://news_bbc_co_uk/rss/newsonline_uk_edition/
          front_page/rss_xml">
          <meta name="creationDate" value="1158084813000"/>
        </meta>
        <meta name="yfeed://shm/reuters/rb">
          <meta name="creationDate" value="1153421468000"/>
        </meta>
        <meta name="yfeed://shm/reuters/usnyntechsf">
          <meta name="creationDate" value="1158083295000"/>
        </meta>
      </meta>
    </meta>
    <meta name="cs" value="yes"/>
    <meta name="ycalpref">
      <meta name="seenHelpBubble" value="1"/>
    </meta>
    <meta name="ympref">
      <meta name="seenComposeTip" value="1"/>
    </meta>
  </m:SetMetaData>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <SetMetaDataResponse/>
  </SOAP-ENV:Body>
```



SetMetaData

</SOAP-ENV:Envelope>

SetUserData

SetUserData

SetUserData makes changes to a user's email profile.

Returns

Name	Description
setdata	SetData

Throws

- [AuthenticationFault](#)
- [SetUserDataFault](#)

Upload Attachment

Upload Attachment

UploadAttachment uploads an email attachment. Must be a POST request.

Endpoint

http://servername/ya/upload

Parameters

POST arguments

Name	Description
uploadfile	Path to the file to be uploaded.
resulturl	URL to redirect to, once the upload is completed, with or without success.
charset	Optional parameter to denote the encoding for the filename

Returns

The request can return the HTTP code 404 or 302.

404

Possible causes:

- The result URL was not passed
- UDB open failed
- Request was not a POST

302

Redirects to the resulturl with the following additional parameters

Parameter	Description
errorcode	see below
filename	Actual name of the file.

Upload Attachment

Parameter	Description
diskfilename	Name as stored on the disk, a generated random string. This is subsequently passed as part of SendMessage (also see ComposeMessagePart) for the file to be picked up when the actual message is sent.
mimetype	
filesize	

Error Codes**Upload related:**

Error Code	Description
uploadAuthError	Request doesn't have proper credentials
uploadFileSizeError	File size is larger than currently supported
uploadNoFileError	File not specified
uploadPartialFileError	File was partially uploaded
uploadInternalError	Internal error with the upload script

Virus related:

Virus scan results, if there are no upload related errors:

Error Code	Description
uploadAVInternalError	Failure during scan
uploadAVError	AV server had problems during scan
uploadAVNoVirus	No virus detected
uploadAVCannotClean	Virus could not be cleaned
uploadAVCleaned	Virus cleaned successfully
uploadAVNotScannable	File is not scannable
uploadAVServerDown	AV server is down
uploadAVHasVirus	File has virus



Upload Attachment

Example Output

```
errorcode=uploadAVNoVirus&filename=yapache-talk-  
20020425.ppt&diskfilename=1f967432e356d6b63c83632957100736&mimetype=appli  
cation%2Fvnd.ms-powerpoint&filesize=183296
```

DataTypes

DataTypes
Address

Address

Name	Meaning
name	Personal name.
email	Email address.

Alias

Name	Meaning
fromName	
address	
replyTo	
colorIndicator	
signature	
addSignature	
signatureType	
isDefault	
YahooMbox	
email	
farm	
sledid	
silo	

DataTypes
AllAliases

AllAliases

Name	Meaning
alias	List of Alias
aliasesTotal	

AllDisposableAddress

Name	Meaning
deaName	List of DisposableAddress
deaNamesTotal	

AllExternalAccounts

Name	Meaning
extAccount	List of ExternalAccountAlias
extAccountsTotal	

AllOtherYahooMboxes

Name	Meaning
yMbox	List of YahooMbox
otherYahooMboxesTotal	

AttachmentInfo

Name	Meaning
name	Filename.
size	Size in bytes.
id	ID identifying the attachment.
SearchQuery	
attachmenttype	SeachAttachmentType
query	String to run the search on.
from	String describing the sender.
frommatchmode	SearchMatchMode
rcpt	String describing the recipient of the message.
rcptmatchmode	SearchMatchMode
subject	String describing the subject to match.
subjectmatchmode	SearchMatchMode
body	String to search for in the body.
bodymatchmode	SearchMatchMode
searchtype	SearchType
date	Date parameter for the search.
datemode	SearchDateCheck
fid	String of folder ids to search in
flags	Flag

BatchCall

Name	Value
GetUserData	GetUserData
SetUserData	SetUserData
ListFolders	ListFolders
CreateFolder	CreateFolder
RenameFolder	RenameFolder
EmptyFolder	EmptyFolder
RemoveFolder	RemoveFolder
GetMessage	GetMessage
GetRawMessage	GetRawMessage
SaveRawMessage	SaveRawMessage
MoveMessages	MoveMessages
DeleteMessages	DeleteMessages
ListMessages	ListMessages
ListMessagesFromIds	ListMessagesFromIds
SearchMessages	SearchMessages
GetMessageRawHeader	GetMessageRawHeader
FetchExternalMail	FetchExternalMail
FlagMessages	FlagMessages
ResetSpamFilter	ResetSpamFilter
SendMessage	SendMessage
GetMetaData	GetMetaData
SetMetaData	SetMetaData

BatchResponse

Name	Value
GetUserDataResponse	Return from GetUserData
SetUserDataResponse	Return from SetUserData
ListFoldersResponse	Return from ListFolders
CreateFolderResponse	Return from CreateFolder
RenameFolderResponse	Return from RenameFolder
EmptyFolderResponse	Return from EmptyFolder
RemoveFolderResponse	Return from RemoveFolder
GetMessageResponse	Return from GetMessage
GetRawMessageResponse	Return from GetRawMessage
SaveRawMessageResponse	Return from SaveRawMessage
MoveMessagesResponse	Return from MoveMessages
DeleteMessagesResponse	Return from DeleteMessages
ListMessagesResponse	Return from ListMessages
ListMessagesFromIdsResponse	Return from ListMessagesFromIds
SearchMessagesResponse	Return from SearchMessages
GetMessageRawHeaderResponse	Return from GetMessageRawHeader
FetchExternalMailResponse	Return from FetchExternalMail
FlagMessagesResponse	Return from FlagMessages
ResetSpamFilterResponse	Return from ResetSpamFilter
SendMessageResponse	Return from SendMessage
GetMetaDataResponse	Return from GetMetaData
SetMetaDataResponse	Return from SetMetaData
ErrorResponse	ErrorResponse

BlockedAddresses

Name	Meaning
blockedAddress	String array of email addresses to be blocked
blockedAddressesTotal	Count of blocked addresses
blockedAddressesMax	Maximum number of blocked addresses allowed

ComposeAddress

Name	Meaning
name	"personal" name.
One of the following:	email: email address of the recipient nickname: address book nickname of the recipient or distribution list (Cascade will expand on the backend)

ComposeMessage

Name	Meaning
subject	subject for message.
inreplyto	In reply to this message, if any.
from	Source email ComposeAddress
to	Destination email ComposeAddress
replyto	Reply to email ComposeAddress
cc	ComposeAddress
bcc	ComposeAddress
body	ComposeMessagePart

DataTypes

ComposeMessage

Name	Meaning
meta	meta data.
simplebody	SimpleMessageBody

ComposeMessagePart

Name	Meaning
data	
subparts	ComposeMessagePart
attachment	This is of the form "upload://diskfilename", where diskfilename is the one returned by the Upload Attachment API.
type	
subtype	
encoding	
filename	
charset	Character set of message.
contentid	
disposition	

DisposableAddress

Name	Meaning
address	
replyTo	
notes	
colorIndicator	
deliverTo	
fromName	
activeComposition	

DataTypes
ErrorCode

ErrorCode

Name	Meaning
mid	Message ID.
code	Error code.

ErrorResponse

Name	Value
code	QName
string	error string
detail	SOAP-ENV:detail

ExternalAccount

Name	Meaning
protocol	Account protocol, as returned from GetUserData.
userName	Account username, as returned from GetUserData.
server	Account server, as returned from GetUserData.

ExternalAccountAlias

Name	Meaning
accountName	
fromName	
address	
replyTo	
server	
username	
colorIndicator	
folder	
port	
leaveMail	
retrieveOnlyNew	
useFilters	
isDefault	

FetchResult

Name	Meaning
status	FetchStatus
numFetched	Total messages fetched.

DataTypes
Fid

Fid

Name	Value
fid	Folder ID.
name	Folder name.

Flag

Name	Meaning
isReplied	Message has been replied to.
isFlagged	User has flagged the message.
isRead	Message has been read.
isDraft	Message is a draft.
isUUEncoded	Message is UU encoded.
isForwarded	Message has been forwarded.
isHam	?
isSpam	The message is spam.
hasAttachment	The message has an attachment
inAddressBook	the sender is in the user's address book.

FolderData

Name	Value
folderInfo	Fid
unread	Unread message count (not returned for search folder).

DataTypes
FolderData

Name	Value
total	Total message count (total matches for search folder).
size	Folder size (bytes)
isSystem	Boolean indicating if a folder is a system folder or not.

Header

Name	Meaning
name	
value	

InboxServices

Name	Value
name	Name in name/value pair.
value	Value in name/value pair.

MessageInfo

Name	Value
flags	Flag
from	The address the message was sent from.
searchinfo	SearchInfo Only returned for search results
inboxservices	An array of InboxServices
folderInfo	Fid . Folder name and ID.
sourceFolderInfo	Fid Only returned for search results
toEmail	The destination address.
subject	The subject title of the message.
mimeType	Top level MIME type.
mid	Message ID.

DataTypes
MessageInfo

Name	Value
externalPopServer	External POP server.
receivedDate	Epoch date.
size	The size of the message in bytes.

Message

Name	Meaning
mid	
receivedDate	
subject	
from	Address
replyto	Address
to	Address
cc	Address
bcc	Address
domainkey	
domainkeyname	
part	MessagePart
hasBlockedImages	

MetaData

Name	Meaning
meta	Nested MetaData
name	Optional string parameter
value	Optional string parameter

MidRequest

Name	Meaning
mid	message id
blockImages	YIV option to block images ImageBlockOption
restrictCSS	YIV option to restrict CSS
imgReplacementURL	URL to replace blocked images
expandCIDReferneces	YIV option to expand CID referneces
enableWarnings	YIV option to enable warnings on links, forms and password fields
Javascript callback functions are: showLinkWarning(), showFormWarning(), showPasswordWarning()	

PathMetaData

Name	Meaning
meta	Nested MetaData
path	Optional string parameter pointing to the location in the global meta structure
name	Optional string parameter
value	Optional string parameter

SaveMessageDestination

Name	Meaning
fid	
mid	message id

SaveMessagePart

Name	Meaning
partId	
type	
subType	
typeParams	
disposition	
dispParams	
encoding	
filename	
size	
isTruncated	Whether the message body is truncated.
contentId	
referencedInline	Wheter the part is referenced inline by another part of the message.
text	Part content.
attachments	Alias

DataTypes
SearchInfo

SearchInfo

Name	Meaning
snippets	Search result snippet.
matchedFields	unbounded list of fields matched (subject, body, attachment content, etc).
attachments	SearchAttachmentInfo

SearchAttachmentInfo

Name	Meaning
name	Filename.
MIMEType	
MIMEPartid	
size	Size in bytes.
thumbnailURL	URL to a thumbnail for this attachment.

SetBlockedAddresses

Name	Meaning
blockedAddress	String array of email addresses to be blocked

DataTypes
SetData

SetData

Name	Meaning
userFeaturePref	SetFeaturePref
userUIPref	SetUIPref
userSpamPref	SetSpamPref
userVacationPref	SetVacationPref
userSendPref	SetSendPref
userPopPref	SetPopPref
blockedAddresses	SetBlockedAddresses
switches	SetSwitches

SetFeaturePref

Name	Meaning
soundNewMail	
mailCheckInterval	

SetFlag

Name	Meaning
SetFlag	
replied	Message has been replied to.
flagged	Message has been flagged by user.
read	Message has been read.

DataTypes SetFlag

Name	Meaning
draft	Message is a draft.
forwarded	Message has been forwarded
ham	?
spam	Message is spam.

SetUIPref

Name	Meaning
composeFontFamily	
composeFontSize	
defaultSortOrder	Sort order
useRichText	Use rich text
imageBlocking	String, supporting 0 (don't block), 1 (block all) or 2 (Only from my contacts and Certified senders)
msgPaneVisible	
showTo	Show a column for the message recipient when viewing folders, for DEA/AddressGuard users only
newsCategory	String indicating the news category to be displayed on the welcome page. Eg. topstories
showCalendarStrip	Boolean indicating whether the calendar strip is on/off
goOnMessageDelete	String, indicating if the user should be taken back to the folder (box) or the next message (msg) upon deleting a message

SetSendPref

Name	Meaning
defaultID	
defaultFromName	
defaultReplyToAddress	
showCcBcc	ShowCcBcc
includeMsgOnReply	IncludeMsgOnReply
signatureActive	
signatureText	
richTextSignature	RichTextSignature

DataTypes
SetSendPref

Name	Meaning
addUnknownContact	UnknownContactAction
autosaveOnSend	string, either "yes" or "no"
SetPopPref	
popNoBulk	
popBulkSubjectPrefix	

DataTypes
SetSpamPref

SetSpamPref

Name	Meaning
spamMoveToInbox	
spamCleanupPeriod	
spamBlockSender	

SetSwitches

Name	Meaning
noFormWarning	Boolean, indicating whether or not a warning is to be displayed on form submit

SetVacationPref

Name	Meaning
vacationResponseOn	Boolean
vacationResponseSubject	
vacationResponseText	
vacationResponseDomain0	
vacationResponseDomain1	
vacationResponseStartDate	Unix time stamp, as a string
vacationResponseEndDate	Unix time stamp, as a string

SimpleMessagePart

Name	Meaning
text	
html	
attachment	This is in the form of "upload://diskfilename", where diskfilename is the one returned by the UploadAttachment method.
imgReplacementURL	URL string to replace blocked images.

Switches

Name	Meaning
noFormWarning	Boolean, indicating whether or not a warning is to be displayed on form submit

UserData

Name	Meaning
userFeaturePref	UserFeaturePref
userUIPref	UserUIPref
userSpamPref	UserSpamPref
userVacationPref	UserVacationPref
userSendPref	UserSendPref
userPopPref	UserPopPref
externalAccounts	AllExternalAccounts
disposableAddresses	AllDisposableAddress

DataTypes
UserData

Name	Meaning
aliases	AllAliases
otherYahooMboxes	AllOtherYahooMboxes
blockedAddresses	BlockedAddresses
switches	Switches

UserFeaturePref

Name	Meaning
hasAddressGuard	
intl	
extAccountsTotal	
hasMailPlus	
hasStationery	
hasAds	
mailboxQuota	
quotaUsed	
soundNewMail	
mailCheckInterval	
partnerType	String, currently one of bt, rogers, sbc, verizon
attachFiles	Maximum number of files user is allowed to attach
attachFileSize	Maximum size, in bytes, of each attached file
attachTotalSize	Total size, in bytes, of all attached files
attachTotalEncodedSize	Total encoded size, in bytes, of all attached files

UserPopPref

Name	Meaning
hasPOP	
popNoBulk	
popBulkSubjectPrefix	

UserSendPref

Name	Meaning
defaultID	
defaultFromName	
defaultFromAddress	
defaultReplyToAddress	
canSendFromPopAcct	
showCcBcc	ShowCcBcc
includeMsgOnReply	IncludeMsgOnReply
signatureActive	
signatureText	
richTextSignature	RichTextSignature
addUnknownContact	UnknownContactAction
autosaveOnSend	String, either "yes" or "no"

UserSpamPref

Name	Meaning
spamGuardPlusEnabled	User has Spam Guide Plus enabled.
spamFilterActive	User's spam filter is active
spamMoveToInbox	Spam is moved to inbox.
spamCleanupPeriod	Frequency spam folder is automatically emptied.
spamBlockSender	Mail from blocked addresses sent to spam folder.

UserUIPref

Name	Meaning
composeFontFamily	
composeFontSize	
defaultSortOrder	Sort order
useRichText	Use rich text
imageBlocking	String, supporting 0 (don't block), 1 (block all) or 2 (Only from my contacts and Certified senders)
msgPaneVisible	
showTo	Show a column for the message recipient when viewing folders, for DEA/AddressGuard users only
newsCategory	String indicating the news category to be displayed on the welcome page. Eg. topstories
showCalendarStrip	Boolean indicating whether the calendar strip is on/off
goOnMessageDelete	String, indicating if the user should be taken back to the folder (box) or the next message (msg) upon deleting a message

UserVacationPref

Name	Meaning
vacationResponseOn	Boolean
vacationResponseSubject	Text
vacationResponseText	Text
vacationResponseDomain0	Text
vacationResponseDomain1	Text
vacationResponseStartDate	Unix time stamp, as a string
vacationResponseEndDate	Unix time stamp, as a string

Enumerations

DateType

Identifier

senderDate

receiverDate

FetchStatus

Identifier

success

unknownError

connectionTimeout

badHost

badPort

badUserId

badPassword

badLogin

badFolder

badMailbox

badMessage

lastUnsupported

busy

connectionLost

quota

messageBlocked

largeMsg

GroupBy

Identifier

read

unread

replied

notReplied

flagged

unFlagged

forwarded

notForwarded

hasAttachment

noAttachment

inAddressBook

notInAddressBook

Enumerations
ImageBlockOption (YIV)

ImageBlockOption (YIV)

Identifier

none

all

remote

IncludeMsgOnReply

Identifier

none

short

full

MidLocationRes

Identifier

start

center

centerShortL

centerShortR

notFound

na

OffsetType

Identifier

startWith

centerOn

Enumerations
RichTextSignature

RichTextSignature

Identifier

plain

dhtml

plainhtml

Enumerations
SearchAttachmentType

SearchAttachmentType

Identifier

ignoreattachments

noattachments

anyattachments

SearchDateCheck

Identifier

ignoredate

before

after

on

since

Enumerations
SortKey

SortKey

Identifier

date

size

subject

sender

to

recipient

folder

SearchMatchMode

Identifier

SearchReptMode

toonly

allrecipient

Enumerations
SortOrder

SortOrder

Identifier

up

down

SearchSizeCheck

Identifier

ignoresize

smaller

larger

eq

SearchRcptMode

Identifier

toonly

allrecipient

SearchType

Identifier

body

header

whole

SearchWordBounds

Identifier

nobounds

whitespaceonly

whitespacepunctuation

ShowCcBcc

Identifier

show

hide

UseRichText

Identifier

dynamic

plain

UnknownContactAction

Identifier

always

prompt

unspecified

ImageBlockOption (YIV)

Identifier

none

all

remote

Exceptions

AccessDeniedFault

User does not have access to perform operation. For example, the user is not allowed to modify a system mail folder.

AuthenticationFault

Could not Authenticate User.

FolderAlreadyExistsFault

Can not create a folder that already exists.

IllegalCharacterFault

User used an illegal character.

SetUserDataFault

Set user data failed during a MSDB or UDB save.