



API Guide

Version 2.3

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Overview

Falconide is an SMTP relay service that delivers highly personalised transactional emails to the inbox within seconds of your customer's transaction. Falconide helps you focus on your business without the cost and complexity of owning and maintaining an email infrastructure. It manages all the technicalities like scaling the infrastructure, ISP outreach, reputation monitoring, whitelist services and real-time analytics. Falconide offers world class deliverability expertise to ensure that your emails get delivered on time and into the inbox.

1.1 Falconide API

Falconide APIs enable you to connect Falconide to a CMS, blog platform, e-commerce shopping cart and more for instant sending of transactional mails.

2. Get started with Falconide API

Falconide APIs use REST architecture in which you initiate Key authenticated JSON calls over HTTP.

The procedure to use an API is:

1. Enable API access in Falconide's panel.
2. Submit a request via HTTP POST to Falconide. For best results, use HTTP POST.
3. Submit a call for each function. You can combine multiple calls in one HTTP request. (The maximum number of requests depends on the HTTP payload, the limit being 5 MB).

Falconide APIs support JSON for all modules, and REST format (for some modules).

2.1. API Structure

Each API Call consist of three parts:

1. API URL
2. API Key : You can obtain the unique API key from your Falconide panel, at **Settings** -> **API**.
3. Input Data: comprise raw parameters like email, templateid, fromname, subject, etc.

2.2 Syntax for an API call

The general syntax of an API call is shown here:

```
<API URL> [value] </API URL>
<API key> [value] <API key/>
<INPUT>
<Parameter 1> [value] </parameter1>
<Parameter 2> [value] </parameter2>
</INPUT>
```

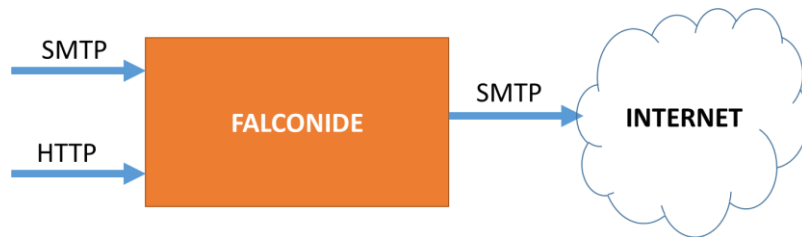
3. Falconide API Library

Here is the list of APIs offered by Falconide. These are explained in detail later in the document.

1. [Sending Emails](#)
2. [Templates: Add, Edit, Preview](#)
3. [Domain : Add domain, Whitelist and Blacklist emails IDs and domains](#)
4. [Jobs: View status, Update, Delete](#)
5. [Reports](#)

4. Sending Emails

Falconide can receive emails through SMTP and HTTP as well. After processing the email, it sends the email to the target server via Internet through SMTP only.



SMTP is a standard protocol, relatively simpler to implement, and it sends one email per API call.

HTTP API is custom-developed by Falconide, is more sophisticated, and can send up to 1000 emails per API call.

You can use the HTTP API in cases where the same email needs to be sent to multiple recipients.

If you wish to send the same content to multiple recipients, you can use a single API. One API call can suffice for multiple email addresses, helping in significant saving of bandwidth costs.

SMTP based API Call for email Sending:

SMTP API allows you to deliver custom handling instructions for email. You can categorize your emails with tags like Sign up, Confirmation emails, etc. to get detailed statistics on each tag. You can tag the emails by inserting **X-TAGS** in the header of the message.

You can also track each message with an Identifier. Pass the required tracking data under the **X-APIHEADER**. The **X-APIHEADER** header is a JSON-encoded associative array.

Here is a sample:

X-APIHEADER: { transID => ['282747328'],};

X-TAGS: Account Deactivation, Verification;

SMTP is a fast way to get started since it requires very few changes.

To set up SMTP API call:

- a. Change your SMTP user name and password as per the credentials provided to you.
- b. Set the server host name to **smtp.Falconide.com**.
- c. Use port number **25, 587, or 465** for sending emails over SSL connections.

a. JSON API

Input Parameters

Name	Required	Type	Description
api_key	Yes	string	Your unique api key
fromname	No	string	Email Sender name
subject	Yes	string	subject of the email
from	Yes	string	Sender's email address
replytoid	No	string	email address where recipients reply will be received.
content	Yes	string	Content of the email
files	No	string	the attachments to be used in sending an email
footer	no	boolean	0 or 1 to disable or enable the footer respectively
template	no	string	template ID to be used while sending an email
attachmentID	No	integer	already uploaded attachments ID
clicktrack	No	boolean	to zero or one to disable or enable the click-track respectively
opentrack	No	boolean	zero or one to disable or enable the open-track respectively
bcc	No	string	BCC email address to be used while sending an email
unsubscribe	No	boolean	zero or one to disable or enable unsubscribe respectively
recipients	Yes	string	Array of recipients email addresses, to whom the mail will be sent. Multiple recipients are allowed.
recipients_cc	No	string	Array of recipients email addresses which need to be added in CC. Multiple recipients are allowed.
attributes	No	string	attributes for recipients to send personalized email. Multiple attributes are allowed.

X-APIHEADER	No	string	Array of user-defined unique identifier for each recipients email addresses. The length of X-APIHEADER cannot be more than 255 characters.
X-APIHEADER_CC	No	string	Array of user-defined unique identifier for each recipients email addresses which were added under recipients_cc as CC. The length of X-APIHEADER_CC cannot be more than 255 characters.
tags	No	string	This can be used to tag/label each emails, in order to categorize for reports and other purposes. Use comma to separate multiple values.

Notes:

- **Fromname**, **subject**, and **content** need to be raw URL encoded.
- **Files** : Name and content of the files must be provided. The file content needs to be base64 encoded or raw URL encoded, preferably, base64 encoded to avoid performance issues. Multiple file attachments are allowed.

Response parameters

Parameter	Description
message	On Success : Success , On Failure : Error
errorcode	specifies error code
errormessage	indicates error message

JSON API Call Format**Input:**

```
Host: http://api.falconide.com
Content-Type: application/json
POST /api/web.send.json HTTP/1.1
{
  "api_key": "yourapikey",
  "email_details": {
    "fromname": "sender name",
    "subject": "test email subject",
    "from": "from@example.com",
    "replyto": "replytoID@example.com",
    "content": "<p>Hi [%NAME%], This is a test email sent using Falconide JSON/Email API</p>"
  },
}
```

```

"tags": "AccountDeactivation, Verification",
"X-APIHEADER": ["ID3","ID2"],
"X-APIHEADER_CC": ["ID6","ID7"],
"settings":{
  "footer":"1",
  "clicktrack":"1",
  "opentrack":"1",
  "unsubscribe":"1",
  "bcc":"sac@test.com",
  "attachmentID":"1,3,4",
  "template":"101",
},
"recipients":["recipient1@example.com","recipient2@example.com"],
"recipients_cc":["recipient_cc_1@example.com","recipient_cc_2@example.com"],
"attributes":{
  "NAME":["NameOfFirstRecipient","NameOfSecondRecipient"],
  "AGE":["20","30"]
},
"files": {
  "attachment_example1.txt": "VGhpcyBpcyB0aGUgY29udGVudCBvZiBhIHRlc3QgZmlsZS4K",
  "attachment_example2.txt": "VGhpcyBpcyB0aGUgY29udGVudCBvZiBhIHRlc3QgZmlsZSAYLgo="
}
}

```

Output:**On Success -**

```
{"message":"SUCCESS","errorcode": "0" ,"errormessage":""}
```

On Failure -

```
{"message":"ERROR","errorcode": "102" ,"errormessage":"Invalid API key used in API call.Hence authentication failed."}
```

Sample JSON API Call**Input:**

```

http://api.falconide.com/falconapi/web.send.json?data=
{"api_key": "49fbb3455c086argcf9ssse739a1755a", "email_details": {"fromname": "Testing Falconide", "subject": "Welcome to our falconide product", "from": "week1ystats@nstest.com", "content": "This is test mail"}, "recipients": ["abc@gmail.com"], "X-APIHEADER": ["ACC123", "SE2532"]}

```

Output:


```
{"message": "SUCCESS", "errorcode": "0", "errormessage": ""}
```

b. REST

Input Parameters

Name	Required	Type	Description
api_key	Yes	string	Your unique api key
fromname	No	string	Email Sender name
subject	Yes	string	subject of the email
from	Yes	string	Sender's email address
replytoid	No	string	email address where recipients reply will be received.
content	Yes	string	Content of the email
files	No	string	the attachments to be used in sending an email
footer	no	boolean	zero or one to disable or enable the footer respectively
template	no	string	template ID to be used while sending an email
attachmentID	No	string	already uploaded attachments ID
clicktrack	No	boolean	to zero or one to disable or enable the click-track respectively
opentrack	No	boolean	zero or one to disable or enable the open-track respectively
bcc	No	string	BCC email address to be used while sending an email
unsubscribe	No	boolean	zero or one to disable or enable unsubscribe respectively
recipients	Yes	string	Array of recipients email addresses, to whom the mail will be sent. Multiple recipients are allowed.
recipients_cc	No	string	Array of recipients email addresses which need to be added in CC. Multiple recipients are allowed.
attributes	No	string	attributes for recipients to send personalized email. Multiple attributes are allowed.
X-APIHEADER	No	string	User-defined unique Identifier for each email. The length of X-APIHEADER cannot be more than 255 characters.
X-APIHEADER_CC	No	String	Array of user-defined unique identifier for each recipients email addresses which were added under recipients_cc as CC. The length of X-APIHEADER_CC cannot be more than 255 characters.

tags	No	string	This can be used to tag/label each emails, in order to categorize for reports and other purposes. Use comma to separate multiple values.
-------------	----	--------	--

Response parameters

Parameter	Description
message	On Success : Success , On Failure : Error
errorcode	specifies error code
errormessage	indicates error message

REST API Call Format**Input:**

```

HTTP/1.1
Content-Type: application/json
GET http://api.falconide.com/api/web.send.rest?
api_key=yoursecretkey
&subject=yourtestsubject
&fromname=yourfromname
&from=from@example.com
&replytoid=replyto@example.com
&X-APIHEADER=ACC123,SE2532
&X-APIHEADER_CC=ID1,ID2
&tags=AccountDeactivation,Verification
&content=YourEmailContent
&recipients=recipient1@example.com,recipient2@example.com
&recipients_cc=recipient_cc1@example.com,recipient_cc2@example.com
&footer=1
&template=123
&bcc=bcc@example.com
&attachmentID=1,2
&clicktrack=1
&ATT_NAME=NameOfRecipient1,NameOfRecipient2
&ATT_AGE=12,25

```

Output:

```

{"message": "SUCCESS", "errorcode": "0", "errormessage": ""}

```

Sample REST API Call**Input**

```

http://api.falconide.com/falconapi/web.send.rest?
api_key=6301eb4f3asde6dader334ad15fd1ase
&opentrack=1
&clicktrack=1
&content=%22This%20is%20test%20mail%22
&subject=TestingAPI
&fromname=Test
&from=noreply@nstest.in
&recipients=abc@example.com
&X-APIHEADER=1234

```

Output

```

{"message": "SUCCESS", "errorcode": "0", "errormessage": ""}

```

5. Template

This module enables you to create and manage your email templates. You can: **Add**, **Edit**, and **Preview** templates.

a. Add Template

This API enables you to add email templates.

JSON API**Input parameters**

Name	Required	Type	Description
api_key	Yes	string	Your unique api key
templatename	Yes	string	Template name required while creating a template.
content	Yes	string	Content to be used while sending an email. Content needs to be raw URL encoded.

Response parameters

Parameter	Description
message	On Success : Success , On Failure : Error
errorcode	specifies error code
errormessage	indicates error message

JSON API Call Format

Input:

```
http://admin.falconide.com/falconapi/manage.falconide?data={
  "api_key": "<api_key>",
  "type" : "templateadd",
  "templatename" : "<sample_template_name>",
  "content" : "<template_content>"
}
```

Output:

On Success -

```
{
  "status": "success",
  "templateid": "1922",
  "message": "Data added successfully in Falconide."
}
```

On Failure -

```
{
  "status": "error",
  "message": "error adding template" // If Template name already exists
}
```

Sample JSON API Call

```
http://admin.falconide.com/falconapi/manage.falconide?data={
  "api_key": "43dd4743ad54brtadw13rad45667",
  "type" : "templateadd",
  "templatename" : "Sample Template",
  "content" : "This is a sample template"
}
```

b. Edit Template

This API enables you to edit the templates.

JSON API

Input parameters

Name	Required	Type	Description
api_key	Yes	string	Your unique api key
templatename	Yes	string	Template name required while creating a template.
content	Yes	string	Content to be used while sending an email. Content needs to be raw URL encoded.
templateid	Yes	integer	Template ID to be used while editing the template content. Only one template id can be specified.

Response parameters

Parameter	Description
message	On Success : Success , On Failure : Error
errorcode	specifies error code
errormessage	indicates error message

JSON API Call Format

Input:

```
http://admin.falconide.com/falconapi/manage.falconide?data=
{
  "api_key": "<api_key>",
  "type" : "templateadd",
  "templatename" : "<sample_template_name>",
  "content" : "<template_content>",
  "templateid" : "<template_id>"
}
```

Output:**On Success -**

```
{
  "status": "success",
  "message": "Data updated successfully in Falconide."
}
```

On Failure -

```
{
  "status": "error",
  "message": "error adding template //If Template id or Template name is missing
}
```

Sample JSON API Call

```
http://admin.falconide.com/falconapi/manage.falconide?data=
{
  "api_key": "43dd4743ad54brtadw13rad45667",
  "type" : "templateadd",
  "templatename" : "This is a sample",
  "content" : "The sample has been edited",
  "templateid" : "3771"
}
```

c. Preview Template

This API enables you to preview the templates.

JSON API

Input parameters

Name	Required	Type	Description
api_key	Yes	string	Your unique api key
templateid	Yes	string	Template ID to be used while editing the template content. Only one template id can be specified.

Response parameters

Parameter	Description
message	On Success : Success , On Failure : Error
errorcode	specifies error code
errormessage	indicates error message

JSON API Call Format

Input:

```
http://admin.falconide.com/falconapi/manage.falconide?data=
{
  api_key:<api_key>,
  type:<templatedownload>,
  templateid:<template_id>
}
```

Output:

On Success -

```
{
  "status": "error",
  "message": "No template found for you" //Invalid Template id
}
```

On Failure -

```
{
  "status": "error",
  "message": "Missing template id"
}
```

Sample JSON API Call

```
http://admin.falconide.com/falconapi/manage.falconide?data=
{
  "api_key": "43dd4743ad54brtadw13rad45667",
  "type": "templatedownload",
  "templateid": "1923"
}
```

6. Domain

Using the APIs in this section, you can Add a domain, Whitelist or Blacklist existing domains and email IDs.

a. Add Domain

This API module enables you to add domains which can be used for sending emails.

JSON API**Input Parameters**

Name	Required	Type	Description
api_key	Yes	string	Your unique api key
domainname	Yes	string	Name of the domain
type	Yes	String	The task that you want to achieve –add domain, whitelist domain, blacklist domain, whitelist email ID, blacklist email ID

Response parameters

message	On Success : Success , On Failure : Error
errorcode	specifies error code
errormessage	indicates error message

JSON API Call Format**Input:**

```
http://admin.falconide.com/falconapi/manage.falconide?data={
  "api_key": "<api_key>",
  "type" : "domadd",
  "domainname" : "<sample_domain>"
}
```

Output:**On Success -**

```
{
  "status": "success",
  "message": "Data updated successfully in Falconide."
}
```

On Failure -

```
{
  "status": "error",
  "message": "Domain is already in use" // domain already exists
}
```

Sample JSON API Call

Input:

```
http://admin.falconide.com/falconapi/manage.falconide?data=
{"api_key": "49fbb3455c086argcf9ssse739a1755a",
 "type" : "domadd",
 "domainname" : "m3m.in"}
```

Output:

```
{"status": "success", "message": "Data updated successfully in Falconide."}
```

b. Whitelist Domain

This API is to whitelist previously blacklisted domains.

JSON API Call Format

Input:

```
http://admin.falconide.com/falconapi/manage.falconide?
data=
{"api_key" : "<api key>",
 "type" : "domainwhitelist",
 "emaildomain" : "<domain to be whitelisted>" }
```

Output:

On Success -

```
{"status": "success", "message": "Domain successfully whitelisted in Falconide."}
```

On Failure -

```
{"status": "error", "message": "Missing email domain"}
```

Sample JSON API Call

```
http://admin.falconide.com/falconapi/manage.falconide?
data=
{"api_key" : "43dd4743ad54b20sdsfa44545676554",
"type" : "domainwhitelist",
"emaildomain" : "nstest.in" }
```

c. Blacklist Domain

This API is to blacklist domains.

JSON API Call format

```
http://admin.falconide.com/falconapi/manage.falconide?
data=
{"api_key" : "<api key>",
"type" : "domainblacklist",
"emaildomain" : "<domain to be blacklisted>" }
```

Output

On Success -

```
{"status":"success","message":"Domain successfully blacklisted in Falconide."}
```

On Failure -

```
{"status":"error","message":"Missing email domain"}
```

Sample JSON API Call

```
http://admin.falconide.com/falconapi/manage.falconide?
data=
{"api_key" : "43dd4743ad54b20eb446b060289df555",
"type" : "domainblacklist",
"emaildomain" : " nstest.in " }
```

d. Whitelist Email ID

This API is to whitelist previously blacklisted email IDs.

JSON API Call Format

```
http://admin.falconide.com/falconapi/manage.falconide
data=
{'api_key' :<api key>,
'type' : 'emailwhitelist',
'email' : '<email ID to be whitelisted>' }
```

Sample JSON API Call

```
http://admin.falconide.com/falconapi/manage.falconide?
data=
{"api_key" : "43dd4743ad54b20eb446b560289df555",
"type" : "emailwhitelist",
"email" : "abc@gmail.com" }
```

e. Blacklist Email ID

This API enables you to blacklist email IDs.

JSON API Call Format

```
http://admin.falconide.com/falconapi/manage.falconide?
data=
{"api_key" : "<api key>",
"type" : "emailblacklist",
"email" : "<email ID to be blacklisted>" }
```

Sample JSON API Call

```
http://admin.falconide.com/falconapi/manage.falconide?
data=
{"api_key" : "43dd4743ad54b20eb446b060289df555",
"type" : "emailblacklist",
"email" : "abc@gmail.com" }
```

7. Job

These APIs enable you to perform activities associated with Jobs.

a. View Status

You can view the status of a particular job ID.

Input Parameters

Name	Required	Type	Description
ApiKey	Yes	string	Your unique api key
JOBID	Yes	integer	Job Id for which status is to be checked.

Response Parameters

Parameter	Description
JOBID	Job id requested
Status	Status of the job.
Entered	Date when the job was added.

XML format

Input

```
http://app.falconide.com/falconapi/index.php?type=job&activity=Status&calltype=xml&data=  
<DATASET>  
<CONSTANT>  
<ApiKey>Value</ApiKey>  
</CONSTANT>  
<INPUT>  
<JOBID>Value</JOBID>  
</INPUT>  
</DATASET>
```

Output

```
<DATASET>  
  <TYPE>success</TYPE>  
  <OUTPUT>  
    <JOBID>Value</JOBID>  
    <Status>Value</Status>  
    <Entered>Value</Entered>  
  </OUTPUT>  
</DATASET>
```

Sample XML Call

```
http://app.falconide.com/falconapi/index.php?type=job&activity=Status&calltype=xml&data=  
<DATASET>  
<CONSTANT>  
<ApiKey>6301eb4f3ab96d9a5b21565af154d1dd</ApiKey>  
</CONSTANT>  
<INPUT>  
<JOBID>1</JOBID>  
</INPUT>  
</DATASET>
```

JSON format

```
http://app.falconide.com/falconapi/index.php?type=job&activity=Status&calltype=json&data=  
{  
  "CONSTANT": {
```

```
"ApiKey": "<Api_key>"
},
"INPUT": {
"JOBID": "<jobid>"
}
}
```

Sample JSON API Call

```
http://app.falconide.com/falconapi/index.php?type=job&activity=Status&calltype=json&data=
{
"CONSTANT": {
  "ApiKey": "6301eb4f3ab96d9a5b21565af154d1dd"
},
"INPUT": {
  "JOBID": "2659"
}
}
```

b. Update

This API enables you to update an existing job.

Input parameters

Name	Required	Type	Description
ApiKey	Yes	string	Your unique api key
JOBID	Yes	string	ID of the job whose details need to be updated.
NotifyEmail	Yes	string	Specify the email address to which you want to receive the notification of the job status. You can provide multiple email addresses, separated by commas
CallbackUrl	Yes	string	Specify the URL to which output is to be posted.

Response Parameters

Parameter	Description
JOBID	Job id requested

XML Format

Input

```
http://app.falconide.com/falconapi/index.php?type=job&activity=Update&calltype=xml&data=
<DATASET>
<CONSTANT>
<ApiKey>Value</ApiKey>
</CONSTANT>
<INPUT>
<JOBID>Value</JOBID>
<NotifyEmail>Value</NotifyEmail>
<CallbackUrl>Value</CallbackUrl>
</INPUT>
</DATASET>
```

Output

```
<DATASET>
  <TYPE>success</TYPE>
  <OUTPUT>
    <JOBID>Value updated.</JOBID>
  </OUTPUT>
</DATASET>
```

Sample XML Call

```
http://app.falconide.com/falconapi/index.php?type=job&activity=Update&calltype=xml&data=
<DATASET>
<CONSTANT>
<ApiKey>6301eb4f3ab96d9a5b21565af154d1dd</ApiKey>
</CONSTANT>
<INPUT>
<JOBID>1</JOBID>
<NotifyEmail>abc@gmail.com</NotifyEmail>
<CallbackUrl>http://xyz.com/test.php</CallbackUrl>
</INPUT>
</DATASET>
```

JSON API format


```
http://app.falconide.com/falconapi/index.php?type=job&activity=Update&calltype=json&data=
{
  "CONSTANT": {
    "ApiKey": "<api_key>"
  },
  "INPUT": {
    "JOBID": "<jobid>",
    "NotifyEmail": "<email>",
    "CallbackUrl": "<url>"
  }
}
```

Sample JSON API Call

```
http://app.falconide.com/falconapi/index.php?type=job&activity=Update&calltype=json&data=
{
  "CONSTANT": {
    "ApiKey": "6301eb4f3ab96d9a5b21565af154d1dd"
  },
  "INPUT": {
    "JOBID": "1",
    "NotifyEmail": "abc@gmail.com",
    "CallbackUrl": "http://xyz.com/test.php"
  }
}
```

c. Delete

This API enables you to delete the jobs. The input parameter is:

Name	Required	Type	Description
ApiKey	Yes	string	Your unique api key
JOBID	Yes	string	ID of the job whose details need to be removed/deleted. You can provide multiple job ids, separated by commas.

The output parameter is **JOBID** – Job ID(s) to be removed.

XML format

Input

```
http://app.falconide.com/falconapi/index.php?type=job&activity=Update&calltype=xml&data=
<DATASET>
<CONSTANT>
<ApiKey>Value</ApiKey>
</CONSTANT>
<INPUT>
<JOBID>Value</JOBID>
</INPUT>
</DATASET>
```

Output

```
<DATASET>
  <TYPE>success</TYPE>
  <OUTPUT>
    <RECORD><JOBID>48</JOBID><Status>Deleted</Status></RECORD>
  </OUTPUT>
</DATASET>
```

Sample XML Call

```
http://app.falconide.com/falconapi/index.php?type=job&activity=Delete&calltype=xml&data=
<DATASET>
<CONSTANT>
<ApiKey>6301eb4f3ab96d9a5b21565af154d1dd</ApiKey>
</CONSTANT>
<INPUT>
<JOBID>1</JOBID>
</INPUT>
</DATASET>
```

JSON API format

```
http://app.falconide.com/falconapi/index.php?type=job&activity=Update&calltype=json&data=
{
  "CONSTANT": {
    "ApiKey": "<api_key>"
  },
  "INPUT": {
    "JOBID": "<job_id>"
  }
}
```

Sample JSON API Call

```

http://app.falconide.com/falconapi/index.php?type=job&activity=Delete&calltype=json&data=
{
  "CONSTANT": {
    "ApiKey": "6301eb4f3ab96d9a5b21565af154d1dd"
  },
  "INPUT": {
    "JOBID": "1"
  }
}

```

8. Report

This API enables you to download the report of each email transaction happening through Falconide.

Input Parameters:

Name	Required	Type	Description
ApiKey	Yes	string	Your unique api key
StartDate	Yes	string	Used for searching reports within a date range.
EndDate	Yes	string	Used for searching reports within a date range. If no date criteria is defined last one year data is retrieved.
processed	No	boolean	Number of mails in sent state. The value of this parameter can be 0 or 1.
Open	No	boolean	Number of mails in opened state. The value of this parameter can be 0 or 1.
Click	No	boolean	Number of mails in clicked state. The value of this parameter can be 0 or 1.
Unsubscribe	No	boolean	Number of mails in unsubscribe state. The value of this parameter can be 0 or 1.
Bounce	No	boolean	Number of mails in bounce state. The value of this parameter can be 0 or 1.
SoftBounce	No	boolean	Number of mails in soft bounce state. The value of this parameter can be 0 or 1.
HardBounce	No	boolean	Number of mails in hard bounce state. The value of this parameter can be 0 or 1.
Spam	No	boolean	Number of mails in spam state. The value of this parameter can be 0 or 1.
Invalid	No	boolean	Number of mails in invalid state. The value of this parameter can be 0 or 1.

Dropped	No	boolean	Number of mails in dropped state. The value of this parameter can be 0 or 1.
NotifyEmail	Yes	string	Specify the email address to which the report download link has to be sent.
callbackUrl	Yes	string	Specify the call back URL to which the downloaded report file is to be posted. The callback URL can be either http(s) or ftp.

Note: If the parameters from Processed through Dropped are not defined, then the API call searches for all the emails sent in the specified timespan.

Response Parameters

Jobid: This tag provides the job id using which the status and other information on the job can be fetched.

Input XML format

```
<DATASET>
<CONSTANT>
  <ApiKey>Value</ApiKey>
</CONSTANT>
<CRITERIA>
  <StartDate>Value</StartDate>
  <EndDate>Value</EndDate>
</CRITERIA>
<INPUT>
  <Processed>1/0</Processed>
  <Sent>1/0</Sent>
  <Open>1/0</Open>
  <Click>1/0</Click>
  <Unsubscribe>1/0</Unsubscribe>
  <Bounce>1/0</Bounce>
  <SoftBounce>1/0</SoftBounce>
  <HardBounce>1/0</HardBounce>
  <Spam>1/0</Spam>
  <Invalid>1/0</Invalid>
  <Dropped>1/0</Dropped>
  <NotifyEmail>Value</NotifyEmail>
  <CallbackUrl>Value</CallbackUrl>
</INPUT>
```

Output XML

```
<DATASET>
<TYPE>success</TYPE>
<RECORD>
<Jobid>Value</Jobid>
</RECORD>
< /DATASET>
```

Sample XML Call

```
http://app.falconide.com/falconapi/index.php?type=report
&activity=DownloadLog
&calltype=xml
&data=
<DATASET><CONSTANT><ApiKey>6301eb4f3ab96d9a5b215623445ada</ApiKey>
<RefIp></RefIp><RefWeb></RefWeb></CONSTANT>
<CRITERIA>
<StartDate>2014-07-25</StartDate>
<EndDate>2014-07-25</EndDate>
</CRITERIA>
<INPUT><Processed>1</Processed>
<Sent>1</Sent>
<Open>1</Open>
<Click>1</Click>
<Unsubscribe>1</Unsubscribe>
<Bounce>1</Bounce>
<SoftBounce>1</SoftBounce>
<Spam>1</Spam>
<Invalid>1</Invalid>
<Dropped>1</Dropped>
<HardBounce>1</HardBounce>
<NotifyEmail>nsk4245@gmail.com</NotifyEmail>
<CallbackUrl></CallbackUrl>
</INPUT>
</DATASET>
```

JSON API format

```
http://app.falconide.com/falconapi/index.php?
type=report&activity=DownloadLog&calltype=json&data=
{
    "CONSTANT":{
```

```

    "ApiKey": "<you api key>"
  },
  "CRITERIA": {
    "StartDate": "<start date>",
    "EndDate": "<end date>"
  },
  "INPUT": {
    "Processed": "1/0",
    "Sent": "<1/0>",
    "Open": "<1/0>",
    "Click": "<1/0>",
    "Unsubscribe": "<1/0>",
    "Bounce": "<1/0>",
    "SoftBounce": "<1/0>",
    "HardBounce": "<1/0>",
    "Spam": "<1/0>",
    "Invalid": "<1/0>",
    "Dropped": "<1/0>",
    "NotifyEmail": "<notification email ID>"
  }
}

```

Output JSON

```

{"DATASET":
  {
    "TYPE": "success",
    "RECORD":
      {
        "Jobid": Value
      }
  }
}

```

Sample JSON API Call

```

http://app.falconide.com/falconapi/index.php?
type=report&activity=DownloadLog&calltype=json&data=
{
  "CONSTANT":{
    "ApiKey": "6301eb4f3asde6dader334ad15fd1dd"
  },
  "CRITERIA": {
    "StartDate": "2016-08-01",
    "EndDate": "2016-08-10"
  }
}

```

```

},
"INPUT": {
  "Processed": "1",
  "Sent": "1",
  "Open": "1",
  "Click": "1",
  "Unsubscribe": "1",
  "Bounce": "1",
  "SoftBounce": "1",
  "HardBounce": "1",
  "Spam": "1",
  "Invalid": "1",
  "Dropped": "1",
  "NotifyEmail": "abc@gmail.com"
}
}

```

Format of the downloaded Report

Report download is available in zip format and the job id for the report request is the report file name. The zip file comprises a CSV file with the requested data.

For example, if the job id for the report request is *4109*, the zip file of the report is named as *4109.zip*.

The format of the sample report is:

Tr-ID	X-APIHEADER	To Email Address	From Email Address	Requested On	Modified Date	Mail Size (KB)	Status	Remarks
7	{"3001"}	sa1@gmail.com	info@ymail.com	2013-12-01 11:11:21	2013-12-01 11:11:22	4Kb	Sent	202.162.242.176-> 250 2.0.0 OK

4	{"2001"}	sa2@gmail.com	info@ymail.com	2013-12-01 11:01:10	2013-12-02 11:11:21	2Kb	Click	202.162.242.176-> 250 2.0.0 OK
2	{"5001"}	sa3@gmail.com	info@ymail.com	2013-12-01 11:00:11	2013-12-01 11:00:11	8Kb	Sent	202.162.242.176-> 250 2.0.0 OK

Tagwise Summary Report

This API enables you to download the tagwise summary report.

Input parameters

Name	Required	Type	Description
api_key	Yes	string	Your unique api key
Type	Yes	string	It specifies the type of report. Here, the value is tagwise.
From	Yes	date	Start date of the report.
To	Yes	date	The end date of the report.

Sample JSON API Format

Input:

```
http://api.falconide.com/falconapi/reports.falconide?data=
{
  "api_key" : "your_api_key",
  "type": "tagwise",
  "from": "2016-01-01",
  "to": "2016-06-05"
}
```

Output:


```
{
  "tag_summary":{"2016-07-01":{"SIGNUP_MAILER":{"adate":"2016-07-01",
    "bounce":"10587",
    "unique_open":"10723","unique_click":"1951",
    "open":"15277","unsub":"0",
    "dropped":"0","click":"2882",
    "fbl_abuse":"1","tag":"SIGNUP_MAILER",
    "sent":"80360","invalid":"0"},
    "EORS_WISHLIST":{"adate":"2016-07-01",
    "bounce":"79","unique_open":"16528",
    "unique_click":"0","open":"20178",
    "unsub":"60","dropped":"0",
    "click":"0","fbl_abuse":"0",
    "tag":"EORS_WISHLIST","sent":"421861",
    "invalid":"0"},
    "SIGNUP_MAILER_EORS":{"adate":"2016-07-01",
    "bounce":"4459","unique_open":"4483",
    "unique_click":"0","open":"4853",
    "unsub":"0","dropped":"0",
    "click":"0","fbl_abuse":"0",
    "tag":"SIGNUP_MAILER_EORS","sent":"40453",
    "invalid":"0"}}},"status":"success"
}
```

9. Error Codes

Here is the error code list:

Error Code	Description	Event
101	IP address marked as blacklisted	If IP address is marked as blacklisted by FALCONIDE Team
104	API key not passed	API Key not available
105	Invalid API Key	
106	API call limit exceeded	Number of API calls exceeds allowed limit
107	Your IP address is not allowed	
1102	Invalid API call	Generic error

1103	Invalid call Type specified (JSON/XML).	If call type is not defined as xml or json
1104	Invalid date format specified. Required format is "Y-m-d"	If start date and end date specified is not in required format
1105	Invalid date range specified	If start date is less than end date
1106	Response parameters not specified	If neither call back URL nor email-address is specified
1107	Invalid email address specified for handling response	If email address specified for response handling is invalid
1109	Error creating job. Please try again after some time	Generic error
1111	Call back URL specified is not reachable	If call back URL is not reachable
1112	Invalid Job ID passed	If job ID to be queried is invalid
1113	Cannot delete job since not in queued state	If job id to be deleted is not in queued state

10. Support

If you have a question, call **+91-(22)-66628081**.

You may also submit a request online using your Falconide Account or else drop a mail to **support@falconide.com**.