



iPass API Guide

Version 1.4 October

Overview	4
Getting an iPass API.....	4
Base URLs.....	4
EndPoints.....	4
URL Encoding.....	5
Authentication.....	5
User Object.....	5
Create.....	8
Update.....	8
Suspend.....	9
Activate.....	9
Delete.....	9
Search.....	11
ListAll.....	11
ListActive.....	11
Resend.....	12
Attributes Contained in User API call Responses.....	12
Cost Centers Management API.....	13
Cost Center Object.....	13
List.....	14
Create.....	14
Update.....	15
Delete.....	15
List User.....	15
Assign user.....	16
Un-assign User.....	17
Devices Management API.....	18
Device Object.....	18
List.....	19
Deactivate.....	19
Registration Code Management API.....	20
Registration Code Object.....	20
Create.....	21
Update.....	21
ListUsed.....	22
Search.....	22
Reports API.....	23
Custom Reports.....	23
Custom Report with Child Companies.....	24
Download Monthly (regular or adjusted) CDRs.....	24
Download Daily (regular or adjusted) CDRs.....	25
Download Network & Client Users Reports.....	25

Group Management API	26
Group Object	26
List	26
List Group Plans	27
Create	28
Update	28
Assign user	28
Un-assign User	29
Possible Errors	31
Legal Disclaimer	32
Change Policy	32
Terms of Use	32

Overview

iPass APIs help you provision and administer iPass users within your organization's system. In addition to managing your account and retrieving reports, you can—with a browser add-on—perform most basic functions without signing into the iPass Portal.

Getting an iPass API

Each environment requires a unique API key. You must contact your company admin or your iPass Account Manager to get an API key and set up an account.

Base URLs

Use the production URL to integrate with the iPass platform.

Production
API - https://api.ipass.com/v1 Portal - https://openmobile.ipass.com

EndPoints

iPass API currently supports CRUD (create, retrieve, update and delete) operations on most of the following endpoints:

/users
service=list service=listActive service=search service=create service=update service=suspend service=activate service=resendActivation service=delete

/costCenters
service=list service=create service=update service=remove

```
service=addUsers  
service=removeUsers
```

```
/devices
```

```
service=list  
service=deactivate
```

```
/reports
```

```
service=getCustom  
service=getCustomWithChild
```

URL Encoding

Characters such as "+" and spaces need to be URL-encoded before being sent via API. For example, if you want to pass an email address like "email=jsmith+12@acme.com", it should be encoded as "email=jsmith%2B@acme.com". For more information, refer to this [online tutorial](#).

Authentication

You authenticate your iPass API by providing an API KEY in the HTTP request header. API KEYS provide the same access privileges as your username and password.

```
HEADER x-ipass-key:{{API_KEY}}
```

API requests are made over an HTTPS POST call.

User Object

The user object defines the service subscription.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
<endUser>  
  <email>auser@ipass.com</email>  
  <fname>Wlliam</fname>  
  <isActive>1</isActive>  
  <lname>Shakespeare</lname>  
  <thorUserId>54321</thorUserId>  
  <username>auser@proserv.com</username>
```

```

    <acaToken>EbTXsuZVq/Y9+utRxS+70M7wf0x2DCuqfWPDITM7HnBmR2xU8FLnxBPNh1NH/UAZ<
  /acaToken>
  <enablePortalLogin>>false</enablePortalLogin>
  <endUserId>12345</endUserId>
  <endUserStatus>Active</endUserStatus>
  <locale>en-US</locale>
  <notifications>
    <notification subscribe="true">
      <type>Activate</type>
    </notification>
    <notification subscribe="true">
      <type>Suspend</type>
    </notification>
  </notifications>
</endUser>

```

Parameter	Explanation
email	REQUIRED. Valid e-mail address used as the primary subscription identifier. This value <u>must be unique</u> across all accounts in the iPass service as it is used as the primary means of subscriber communication.
fname	REQUIRED. User first name.
lname	REQUIRED. User last name.
username	REQUIRED. Unique identifier for the user to authenticate at a hotspot or sign in to the Portal. The username must be unique within the account and must contain the iPass roaming realm registered to the account as a suffix realm, e.g. jsmith@ipassRealm . The iPass Roaming Realm may be the same as the customer email domain, but is not required. The username portion may be the same as the subscriber's e-mail name, but is not required. The username may not contain special characters (such as "@").
password	OPTIONAL. If the account is set to use system-generated passwords, this field may be omitted. If the account is set to use customer-defined passwords, the passwords entered must match the password criteria defined by the administrator when the account was provisioned.
homecountry	OPTIONAL. ISO3166-1 two-letter uppercase ISO country code indicates which country the user is based. This is currently used for reporting purpose and this does not affect the languages in webpages or email that iPass communicates to the user.

enablePortalLogin	REQUIRED. Indicates the user's authorization to access the Open Mobile Portal. Typically this is "false", unless the user needs to perform any administrative tasks or to retrieve billing and usage information.
departmentCode	OPTIONAL. May be used to indicate any group the user is associated with, such as an organizational department or cost center. This may be used for billing purpose and if you turn on CostCenter feature, our system can reallocate your bill to a different cost center accordingly. Refer to the Cost Center section for more information.
locale	OPTIONAL. Preferred language for user object. If not supplied, language used will be the detected language.
notification	OPTIONAL. If any of the following notification typea are set to "true", then iPass would notify them when the user is first created ("Activate") or when the user is suspended ("Suspend")
authType	RESPONSE ONLY. Set by iPass as "HostedAuth"
company	RESPONSE ONLY. The iPass company ID associated with the request as determined by the x-ipass-key and x-ipass-company-id defined in the request header.
isActive	RESPONSE ONLY. Reports the user object as Active (1) or InActive (0).
thorUserId	RESPONSE ONLY. iPass internal unique user identifier.
acaToken	RESPONSE ONLY. Service activation token which uniquely identifies the request.
endUserId	RESPONSE ONLY. iPass internal unique user identifier.
endUserStatus	RESPONSE ONLY. Reports the status of the user object as either Active or Suspended. All user objects are Active by default upon creation. endUserStatus is set to Suspended in response to a delete API call so that the user object can continue to be available for billing purposes even though it will no longer be searchable in the service.
proxyUserId	RESPONSE ONLY. iPass internal.
numDevices	RESPONSE ONLY. The number of devices associated with this user object.
numActiveDevices	RESPONSE ONLY. The number of activated devices associated with this user object.
startDate	RESPONSE ONLY. The date on which the user object was created.

selfServiceActivationUrl	RESPONSE ONLY. URL specific to a creation or activation request which leads to the iPass-hosted Self-Service Activation Page. The encoded URL passes the acaToken and password information necessary for service activation. The URL is to be executed from the device to be activated and may be delivered to the subscriber via e-mail or SMS, or automatically invoked within the context of a host application.
--------------------------	---

Create

Adds a new user to the company.

URL	{{BASE_URL}}/users?service=create
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<pre> <endUser> <email>email@domain</email> <fname>first_name</fname> <lname>last_name</lname> <username>username@IPASS_REALM</username> <password>password</password> <homeCountry>home_country</homeCountry> <enablePortalLogin>portal_access</enablePortalLogin> <departmentCode>group_association</departmentCode> <locale>language_preference</locale> <notifications> <notification subscribe="true"> <type>Activate</type> </notification> <notification subscribe="true"> <type>Suspend</type> </notification> </notifications> </endUser> </pre>
RESPONSE	200 OK user object with the additional iPass identifier <thorUserId> and <endUserId>

Update

Updates user detail information and looks into the <user> object and updates any specified parameters based on the <username>.

URL	{{BASE_URL}}/users?service=update
------------	-----------------------------------

HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<endUser> <username>username@IPASS_REALM</username> </endUser>
RESPONSE	200 OK updated user object

Suspend

Suspends a user, who can then no longer roam on company allowed networks or iPass hotspots. If the user has “enablePortalLogin” set to true, then they can still continue to sign in to the Portal to perform any administrative tasks.

URL	{{BASE_URL}}/users?service=suspend
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<endUser> <username>username@IPASS_REALM</username> </endUser>
RESPONSE	200 OK updated user object

Activate

Activates a user who was previously suspended. The user can roam on any iPass hotspot (limited to your company’s allowed networks).

URL	{{BASE_URL}}/users?service=activate
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<endUser> <username>username@IPASS_REALM</username> </endUser>
RESPONSE	200 OK updated user object

Delete

Deletes a user. Once a user is deleted, you will no longer be able to look them up, but the user still remains in our record for billing and reporting purpose.

URL	{{BASE_URL}}/users?service=delete
HEADER	x-ipass-company-id:{{COMPANY_ID}}

POST BODY	<pre><endUser> <username>username@IPASS_REALM</username> </endUser></pre>
RESPONSE	<pre>200 OK updated user object</pre>

Search

Returns individual or multiple user objects that either match the search criteria specified or fall within the range of registration dates.

In order to retrieve detail of a single user, put in a complete email address or username as {{CRITERIA}}. If you want a list of users who were registered after a certain date, use only the {{FROM_DATE}}.

URL	<code>{{BASE_URL}}/users?service=search&searchCriteria={{CRITERIA}}&page=1&limit=20&fromRegDate={{FROM_DATE}}&toRegDate={{TO_DATE}}</code>
HEADER	<code>x-ipass-company-id:{{COMPANY_ID}}</code>
POST BODY	
RESPONSE	200 OK list of <i>user</i> object(s)

Parameter	Explanation
CRITERIA	OPTIONAL. This is any string value. It will match against the beginning of firstname, lastname, email and username.
FROM_DATE	OPTIONAL. User registered after this specified date, i.e. MM/DD/YYYY
TO_DATE	OPTIONAL. User registered up until this specified date, i.e. MM/DD/YYYY

ListAll

Retrieves a list of users who are currently registered in your company, active, or suspended. Users previously deleted do not show up in this list.

URL	<code>{{BASE_URL}}/users?service=listAll&page=1&limit=20</code>
HEADER	<code>x-ipass-company-id:{{COMPANY_ID}}</code>
POST BODY	
RESPONSE	200 OK list of <i>user</i> object(s)

Parameter	Explanation
PAGE	REQUIRED. This is the page size. If you specify 20, you'll get up to 20 results back.
LIMIT	REQUIRED. This indicates where in the search results you are looking (1 means page 1, and 2 means page 2).

ListActive

Returns all the active users with the company.

URL	{{BASE_URL}}/users?service=listActive&page=1&limit=20
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	
RESPONSE	200 OK list of <i>user</i> object(s)

Parameter	Explanation
PAGE	REQUIRED. This is the page size. If you specify 20 then you'll get up to 20 results back ("-1" means ALL results in 1 page).
LIMIT	REQUIRED. This indicates where in the search results you are looking (1 means page 1, and 2 means page 2).

Resend

Resends the Self-Service Activation Email. The Self-Service Activation email sends the user a download link for their device and also provides a single-click option to activate the OM App.

This is equivalent to [this webpage](#) where the user themselves can enter their email address to request this same email.

URL	{{BASE_URL}}/users?service=resendActivation
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<endUser> <username> <i>username</i> @ IPASS_REALM </username> </endUser>
RESPONSE	200 OK <message> Operation completed successfully </message>

Attributes Contained in User API call Responses

	create	listAll	listActive	update	suspend	activate	delete
<endUser>							
<authType>	X	X	X	X	X	X	X
<company>	X	X	X	X	X	X	X
<email>	X	X	X	X	X	X	X
<fname>	X	X	X	X	X	X	X
<isActive>	X	X	X	X	X	X	X
<lname>	X	X	X	X	X	X	X
<thorUserId>	X	X	X	X	X	X	X
<username>	X	X	X	X	X	X	X
<enablePortalLogin>	X	X	X	X	X	X	X
<endUserId>	X	X	X	X	X	X	X
<endUserStatus>	X	X	X	X	X	X	X
<homeCountry>	X	X	X	X	X	X	X
<locale>	X			X	X	X	X
<departmentCode>							
<notifications>							
<notification subscribe="true">	X	X	X	X	X	X	X
<type>Activate</type>	X	X	X	X	X	X	X
</notification>	X	X	X	X	X	X	X
<notification subscribe="true">	X	X	X	X	X	X	X
<type>Suspend</type>	X	X	X	X	X	X	X
</notification>	X	X	X	X	X	X	X
</notifications>							
<numDevices>		X	X				X
<numActiveDevices>		X	X				X
<regCodeUser>		X	X				
<startDate>	X	X	X	X	X	X	X
<selfServiceActivationUrl>	X					X	
</endUser>							

Cost Centers Management API

This API lets you create, add, manage, and query cost center data.

Cost Center Object

```

<costcenter>
  <assignedCount>5</email>/assignedCount>
  <costid>qa</costid>
  <id>1234</id>
  <modifiedBy>iPass</modifiedBy>
  <modifiedTime>05-17T04:12:46Z</modifiedTime>
  <name>qa</name>
  <childCompany>4321</childCompany>
</costcenter>

```

Parameter	Explanation
assignedCount	REQUIRED. Number of users assigned to this Cost Center.
costId	REQUIRED. Visual unique identifier of the Cost Center.
id	SYSTEM. Unique identifier of the Cost Center; this is assigned automatically when the Cost Center is first created.
name	REQUIRED. Any string to describe the Cost Center.
childCompany	OPTIONAL. If your account maps Cost Center to a child company, this field represents the companyId of the child company.

List

Brings up all the Cost Centers you currently have configured in the company.

URL	{{BASE_URL}}/costcenters?service=list
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	
RESPONSE	list of costCenter object(s)

Create

Creates a new Cost Center in the company.

URL	{{BASE_URL}}/costcenters?service=create
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	costCenter object (REQUIRED - <costId> and <name>) If CostCenter maps to a child company, <childCompany> is also a REQUIRED

	field.
RESPONSE	200 OK <message> Operation completed successfully </message>

Update

Updates the CostCenter's information, such as the CostCenter name, for example.

URL	{{BASE_URL}}/costcenters?service=update
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	costCenter object (REQUIRED - <costId>) If CostCenter maps to a child company, <childCompany> is also a REQUIRED field.
RESPONSE	200 OK <message> Operation completed successfully </message>

Delete

Removes a Cost Center from the company.

URL	{{BASE_URL}}/costcenters?service=delete&costCenterId={{COST_ID}}
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	
RESPONSE	200 OK <message> Operation completed successfully </message>

Parameter	Explanation
costId	REQUIRED. Unique identifier to specify which CostCenter's record is being removed.

List User

Queries users currently assigned to this Cost center.

URL	<code>{{BASE_URL}}/costcenters?service==listUsers&costCenterId={{COST_ID}}&page={{PAGE}}&limit={{LIMIT}}</code>
HEADER	<code>x-ipass-company-id:{{COMPANY_ID}}</code>
POST BODY	
RESPONSE	<p>200 OK</p> <p>list of simpleEndUser object(s)</p> <pre><PaginatedEndUserSearchResult> <pageNumber>1</pageNumber> <pageSize>15</pageSize> <paginationSessionId>139</paginationSessionId> <resultsThisPage>5</resultsThisPage> <totalResults>5</totalResults> <endUsers> <simpleEndUser> <endUserId>170112</endUserId> <firstName>0</firstName> <lastName>0</lastName> <userName>sbtest_qa10@qatest</userName> </simpleEndUser> ... </pre>

Parameter	Explanation
COST_ID	REQUIRED. Unique identifier to specify which CostCenter is being queried for the list of users.
PAGE	REQUIRED. This is the page size. If you specify 20 then you'll get up to 20 results back.
LIMIT	REQUIRED. This indicates where in the search results you are looking (1 means page 1, and 2 means page 2).

Assign user

Assigns users to a Cost Center.

<code>{{BASE_URL}}/costcenters?service=addUsers&costCenterId={{COST_ID}}</code>

URL	
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	list of user objects (REQUIRED - <endUserId> Example: <endusers> <assignedList> <enduser> <endUserId>170112</endUserId> </enduser> <enduser> <endUserId>175291</endUserId> </enduser> </assignedList> </endusers>
RESPONSE	200 OK <message> Operation completed successfully </message>

Parameter	Explanation
COST_ID	REQUIRED. Unique identifier to specify which CostCenter is being queried.

Un-assign User

This call enables you to remove user(s) from a Cost Center.

URL	{{BASE_URL}}/costcenters?service=removeUsers&costCenterId={{COST_ID}}
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	list of user objects (REQUIRED - <endUserId> Example: <endusers> <unAssignedList> <enduser>

	<pre> <endUserId>170112</endUserId> </enduser> </unAssignedList> </endusers> </pre>
RESPONSE	<pre> 200 OK <message> Operation completed successfully </pre>

Parameter	Explanation
COST_ID	REQUIRED. Unique identifier to specify which CostCenter is being queried.

Devices Management API

This API lets you access device data, including manufacturer, deactivation, and activation information. This only works with automatic credential assignment (ACA)-enabled companies. ACA helps streamline the sign on process for users. If you attempt to query a device with an email address that is associated with a non-ACA company, you will receive an email address error.

Device Object

```

<device>
  <deviceUuid>cQjzXuLYQ7K1WU6ZVe61yw==</deviceUuid>
  <enabledOn>2015-04-09T20:22:35.907Z</enabledOn>
  <manufacturer>LGE</manufacturer>
  <modelId>Nexus 5</modelId>
  <platform>Android</platform> <<status>registered</status> >
</device>

```

Parameter	Explanation
deviceUuid	SYSTEM. Unique identifier to identify a device. The device UUID is dynamically generated at the installation time.
enabledOn	SYSTEM. Activation timestamp.
manufacturer	SYSTEM. The manufacturer of the device, collected at the activation time. Example: LGE.
modelId	SYSTEM. The model of the device, collected at the activation time.
platform	SYSTEM. The platform of the device, collected at the activation time.

status	SYSTEM. The status of the OM App on the device: registered, suspended or unregistered.
--------	--

List

Returns a list of the device activated by the email specified.

URL	{{BASE_URL}}/devices?service=list&email={{EMAIL}}
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	
RESPONSE	list of device object(s)

Parameter	Explanation
email	REQUIRED. Email account that you want to see what active devices the owner has

Deactivate

Deactivates the device activated by the email address specified and the device UUID we have on record. The email address and device UUID have to match.

After deactivation, the only way to activate the device again is to use on-device activation or the self-service activation email.

URL	{{BASE_URL}}/devices?service=deactivate&email={{EMAIL}}
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<device>, i.e. only <deviceUuid> is required. Example: <device> <deviceUuid>AAABBB111222333</deviceUuid> </device>
RESPONSE	200 OK

Parameter	Explanation
email	REQUIRED. Email account that the device is activated with.

deviceUuid	REQUIRED. The UUID of the device you want to deactivate, which can be found in the devices?service=list API.
------------	--

Registration Code Management API

iPass supports validating user eligibility to register and activate APIs. Using the Registration Code option, you can use email addresses to register users for the iPass service. Registration can be time-bounded: once the code is used, our system tracks usage and automatically suspends the user when the time limit is reached.

Registration Code Object

```
<registrationCodeBean>
  <registrationCode>
    <regCode>regcode</regCode>
    <regCode2>regcode12345</regCode2>
    <duration>2</duration>
    <durationUnit>Months</durationUnit>
    <useCount>0</useCount>
    <departmentCode>DEV</departmentCode>
    <altId></altId>
    <companyId>1001699</companyId>
    <maxActivationDate>10/31/2017</maxActivationDate>
  </registrationCode>
</registrationCodeBean>
```

Parameter	Explanation
regCode	REQUIRED Registration Code
regCode2	REQUIRED. Visual unique identifier of the Cost Center.
duration	REQUIRED. Duration the iPass service will be active once user registers.
durationUnit	REQUIRED. Unit of days or months.
useCount	SYSTEM.
id	SYSTEM. iPass unique registration code identifier.
departmentCode	OPTIONAL. Fields to be used to hold additional data.
altId	OPTIONAL. Fields to be used to hold additional data.

companyId	REQUIRED.
maxActivationDate	REQUIRED. Last date user can register with the registration code.

Create

Creates a Registration Code with specified parameters.

URL	{{BASE_URL}}/registrationcode?service=create
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<pre><registrationCodeBean> <registrationCode> <regCode>regcode</regCode> <regCode2>regcode12345</regCode2> <duration>2</duration> <durationUnit>Months</durationUnit> <departmentCode>DEV</departmentCode> <altId></altId> <companyId>1001699</companyId> <maxActivationDate>10/31/2017</maxActivationDate> </registrationCode> </registrationCodeBean></pre>
RESPONSE	<p>200 OK</p> <p>Registration Code object created with additional iPass identifier <id>.</p>

Parameter	Explanation
id	SYSTEM. Once Registration Code is created in the system, the Registration Code object is returned with this unique id value.

Update

Updates registration code object with specified parameters.

URL	{{BASE_URL}}/registrationcode?service=update
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST	Registration Code object (REQUIRED - <id>)
	<registrationCodeBean>

BODY	<pre> <registrationCode> <id>DB709598E949491E8722B329BC646B40</id> <duration>2</duration> </registrationCode> </registrationCodeBean> </pre>
RESPONSE	200 OK updated user object

Parameter	Explanation
id	SYSTEM. Unique identifier to specify which registration code object is being updated.

ListUsed

To list all the used Registration Codes for a Customer with specified parameters.

URL	{{BASE_URL}}/registrationcode?service=listUsed&used=true&page=1&limit=15
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	
RESPONSE	200 OK List of used Registration Codes.

Parameter	Explanation
LIMIT	REQUIRED. This is the page size. If you specify 20, then you'll get up to 20 results back.
PAGE	REQUIRED. This indicates where in the search results you are looking. "1" means page 1, and "2" means page 2

Search

To Search for Registration Codes for a Customer with specified parameters.

URL	{{BASE_URL}}/registrationcode?service=search&searchCriteria={{CRITERIA}}&page=1&limit=15
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST	

BODY	
RESPONSE	200 OK List of Registration Code Objects, including associated user objects.

Parameter	Explanation
CRITERIA	OPTIONAL. This is any string value. It will match against the beginning of RegCode, RegCode2, Department, etc.
LIMIT	REQUIRED. This is the page size. If you specify 20, then you'll get up to 20 results back.
PAGE	REQUIRED. This indicates where in the search results you are looking. "1" means page 1, and "2" means page 2.

Reports API

To retrieve usage and informational reports, sign into the OM Portal > Reports > Custom Reports section to find the reports you want to download. The filename is the value you use for the filename field.

Custom Reports

Downloads the Custom Reports from the OM Portal with month, duration type, and filename specified.

URL	{{BASE_URL}}/reports?service=getCustom&month={{MONTH}}&duration-type={{DURATION}}&customReportFile={{FILENAME}}
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	
RESPONSE	Requested file is downloaded.

Parameter	Example
MONTH	2014-08
DURATION	monthly
FILENAME	CustomReport.html

Custom Report with Child Companies

Downloads the Custom Reports for all your child companies in a single call and zips them all into a single file. The reports are stored in their own child company folder.

URL	{{BASE_URL}}/registrationcode?service=update
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST	
BODY	
RESPONSE	File requested will downloaded in zip format.

Parameter	Explanation
MONTH	2014-08
FILENAME	CDRReport.html

Download Monthly (regular or adjusted) CDRs

Returns the monthly CDR report in a file.

URL	For regular CDR reports: {{BASE_URL}}/reports?service=getmonthlycdr&month={{MONTH}} For adjusted CDR reports: {{BASE_URL}}/reports?service=getmonthlyadjcdr&month={{MONTH}}
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST	

BODY	
RESPONSE	Requested file will downloaded.

Parameter	Example
MONTH	2016-08

Download Daily (regular or adjusted) CDRs

Returns the daily CDR report in a file.

URL	For regular CDR reports: {{BASE_URL}}/reports?service=getdailycdr&month={{MONTH}} For adjusted CDR reports: {{BASE_URL}}/reports?service=getdailyadjcdr&month={{MONTH}}
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	
RESPONSE	Requested file will downloaded.

Parameter	Example
DATE	Format: YYYY-MM-DD 2016-07-31

Download Network & Client Users Reports

Returns the Network & Client Users report in a file.

URL	For Network & Client Users Reports: {{BASE_URL}}/reports?service=getNetworkAndClientUser&month={{MONTH}}
HEADER	x-ipass-company-id:{{COMPANY_ID}}

POST BODY	
RESPONSE	Requested file will downloaded.

Parameter	Example
MONTH	2016-08

Group Management API

This API lets you create, add, manage, and query user group data.

Group Object

```
<group>
<name>Exec</name>
<groupPlanId>21</groupPlanId>
<users>
<user><userName>somethingxxxx25@qatest</userName></
user>
</users>
</group>
```

Parameter	Explanation
Name	REQUIRED. Group name in text format.
groupPlanId	REQUIRED. Price plan associated with the group.
users	OPTIONAL. List of users who belong to the group. You can also use the assign/unassign apis.

List

Lists all the groups currently configured in the company.

URL	{{BASE_URL}} /groups?service=list
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	
RESPONS	list of <i>group</i> object(s)

E	<pre> <groups> <group> <assignedCount>128</assignedCount> <groupPlanId>5</groupPlanId> <id>1040</id> <modifiedBy>ngsdp</modifiedBy> <modifiedDate>2016-05-04T20:12:10+05:30</modifiedDate> <name>QA Group1</name> </group> <group> <assignedCount>6</assignedCount> <groupPlanId>5</groupPlanId> <id>1060</id> <modifiedBy>symphony@ipass.com</modifiedBy> <modifiedDate>2016-05-05T11:50:45+05:30</modifiedDate> <name>Client Group</name> </group> </groups> </pre>
---	---

List Group Plans

Lists all the group price plans currently configured in the company. Each group must be associated with one group price plan.

URL	{{BASE_URL}} /groups?service=listGroupPlan
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	
RESPONSE	<p>list of <i>group plan</i> object(s)</p> <pre> <groupPlans> <groupPlan> <companyId>1022878</companyId> <defaultPlan>1</defaultPlan> <id>1</id> <modifiedBy>symphony@ipass.com</modifiedBy> <modifiedTime>2016-02-02T12:40:14+05:30</modifiedTime> <plan>FLAT_RATE_ULTD_LPT</plan> <planDescription>Unlimited Laptop Plan</planDescription> <planType>NON_PREMIUM</planType> </groupPlan> <groupPlan> <companyId>1022878</companyId> <defaultPlan>0</defaultPlan> <id>5</id> </pre>

	<pre> <modifiedBy>symphony@ipass.com</modifiedBy> <modifiedTime>2016-02-03T06:34:30+05:30</modifiedTime> <plan>FLAT_RATE_ULTD_SPT</plan> <planDescription>Unlimited Smart Phone Plan</planDescription> <planType>NON_PREMIUM</planType> </groupPlan> </groupPlans> </pre>
--	---

Create

Creates a group (and map a group plan to it).

URL	{{BASE_URL}}/groups?service=create
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	Group object (REQUIRED - <groupPlanId> and <name>)
RESPONSE	200 OK <message> Operation completed successfully </message>

Update

Updates a group's name.

URL	{{BASE_URL}}/groups?service=update
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	group object (REQUIRED - <id> and <name>)
RESPONSE	200 OK <message> Operation completed successfully </message>

Parameter	Explanation
id	REQUIRED. Unique identifier to specify which group record is being updated.

Assign user

Assigns users to a group.

URL	{{BASE_URL}}/groups?service=update
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<p>Group object with list of users to be assigned</p> <p>Example:</p> <pre> <group> <id>1060</id> <name>Client Group</name> <users> <user> <userName>ssiddesh@qatest</userName> <action>assign</action> </user> </users> </group> </pre>
RESPONSE	<p>200 OK</p> <pre> <message> Operation completed successfully </message> </pre>

Parameter	Explanation
ID	REQUIRED. Unique identifier to specify which group record is being updated.

Un-assign User

This call enables you to remove users from a group.

URL	{{BASE_URL}}/groups?service=update
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<p>Group object with list of users to be unassigned.</p> <p>Example:</p> <pre> <group> <id>1060</id> <name>Client Group</name> <users> <user> <userName>ssiddesh@qatest</userName> <action>unassign</action> </user> </users> </group> </pre>

	<pre> </user> </users> </group> </pre>
RESPONSE	<pre> 200 OK <message> Operation completed successfully </message> </pre>

Parameter	Explanation
ID	REQUIRED. Unique identifier to specify which group record is being updated.

Errors

iPass APIs use conventional HTTP response codes to indicate API response status.

Error Object

Typical error response:

```
<error>
  <errorCode>1006</errorCode>
  <errorMessage>You do not have sufficient privileges to perform this
action.</errorMessage>
</error>
```

Parameter	Explanation
errorCode	5-digit iPass internal error code uniquely identifies the reason of error.
errorMessage	String describing what the problem is.

Possible Errors

HTTP Error	ErrorCode	Error Message
403	1006	You do not have sufficient privileges to perform this action.
500	2005	Username must end with "@{{IPASS_DOMAIN}}"
500	2005	The username {{USERNAME}} contains multiple @ symbols.
500	2005	The email address {{EMAIL_ADDRESS}} is unavailable.
500	2005	User with username {{USERNAME}} not found in our system.
500	2005	User with email {{EMAIL_ADDRESS}} was not found.
400	2009	The input provided to the service is invalid xml.

Legal Disclaimer

Change Policy

iPass may change API attributes and resources, and our policies regarding access and use of APIs at any time, without advance notice. iPass will try its best to notify you of any modifications to the API or policies through <http://developer.ipass.com>

Terms of Use

By using the API, you agree to the iPass API Terms of Use. Latest API Terms of Use can be found at http://developer.ipass.com/iPass_API_Terms.pdf