



# iPass API Guide

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# 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. This guide is organized by API and their corresponding resources.

## 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 and staging URLs to integrate with the iPass platform, depending on which stage of development you are in.

By interacting with the Production API URL, any changes you make in our platform will be immediately reflected on <https://openmobile.ipass.com>. For staging, your changes will be available immediately in <https://salesdemo.ipass.com>.

Production
API - <a href="https://api.ipass.com/v1">https://api.ipass.com/v1</a> Portal - <a href="https://openmobile.ipass.com">https://openmobile.ipass.com</a>

Staging
API - <a href="https://api-stg.dev.ipass.com/v1">https://api-stg.dev.ipass.com/v1</a> Portal - <a href="https://salesdemo.ipass.com">https://salesdemo.ipass.com</a>

## 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 , so .

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

API requests are made over an HTTPS POST call.

## APIs

### User Provisioning API

The User provisioning API lets you create, manage, and query user data.

#### User Object

```
<endUser>
  <username>omportal1@qatest</username>
  <fname>APITest1</fname>
  <lname>test1</lname>
  <email>omportal3@gmail.com</email>
  <homeCountry>IN</homeCountry>
  <thorUserId>39434328</thorUserId>
  <endUserId>3897433</endUserId>
  <enablePortalLogin>true</enablePortalLogin>
  <departmentCode>12345</departmentCode>
  <notifications>
    <notification subscribe="true">
      <type>Activate</type>
    </notification>
    <notification subscribe="true">
      <type>Suspend</type>
    </notification>
  </notifications>
</endUser>
```

Parameter	Explanation
username	<b>REQUIRED.</b> Unique identifier for the user to authenticate at a hotspot or to sign into the Portal. The username has a prefix and an iPass domain: <a href="mailto:jsmith@acme.com">jsmith@acme.com</a> . This can be the same as your company email address. There are restrictions on usernames, such as multiple @ signals are not allowed.
fname	<b>REQUIRED.</b> User's first name.
lname	<b>REQUIRED.</b> User's last name.
email	<b>REQUIRED.</b> Visual unique identifier to identify the user as well as our major communication channel to interact with user.

homecountry	<b>OPTIONAL.</b> This field indicates which country the user is based in. This is currently used for reporting purposes and this does not affect the languages in iPass webpages or emails.
thorUserId	<b>SYSTEM.</b> iPass unique user identifier.
endUserId	<b>SYSTEM.</b> iPass unique user identifier.
enablePortalLogin	<b>OPTIONAL.</b> Indicates if a user can sign in to the Portal. Typically this is "false," unless the user needs to perform any administrative tasks or to retrieve billing and usage information.
departmentCode	<b>OPTIONAL.</b> This represents the Cost Center ID that this user was assigned to. This is for billing purposes and if you turn on the CostCenter feature, our system can reallocate your bill to a different cost center accordingly. Refer to the Cost Center section for more information.
notification	<b>OPTIONAL.</b> If "Activate" or "Suspend" are notification types is set to "true", then iPass notifies them when the user is first created:

## Resources

### 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	{{BASE_URL}}/users?service=listAll&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	<b>REQUIRED.</b> This is the page size. If you specify 20, then you'll get up to 20 results back.
LIMIT	<b>REQUIRED.</b> 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	<b>REQUIRED.</b> This is the page size. If you specify 20, then you'll get up to 20 results back.
LIMIT	<b>REQUIRED.</b> This indicates where in the search results you are looking (1 means page 1, and 2 means page 2).

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

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

## Create

Adds a new user to the company.

URL	{{BASE_URL}}/users?service=create
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<i>user</i> object
RESPONSE	200 OK <i>user</i> object with the additional iPass identifier <thorUserId> and <endUserId>

Parameter	Explanation
thorUserId	iPass unique identifier to identify the user.
endUserId	iPass unique identifier to identify the user.

## 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	<i>user</i> object ( <b>REQUIRED</b> - <username>)  Example: <endUser> <username>omportal1@qatest</username> <fname>John</fname> </endUser>
RESPONSE	200 OK

	updated <i>user</i> object
--	----------------------------

Parameter	Explanation
username	<b>REQUIRED.</b> Unique identifier to specify which user's record is being updated.

## 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	<i>user</i> object ( <b>REQUIRED</b> - <username>)  Example <endUser> <username>omportal1@qatest</username> </endUser>
RESPONSE	200 OK updated <i>user</i> object

Parameter	Explanation
username	<b>REQUIRED.</b> Unique identifier to specify which user's record is being suspended.

## 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	<i>user</i> object ( <b>REQUIRED</b> - <username>)  Example <endUser> <username>omportal1@qatest</username>

	</endUser>
RESPONSE	200 OK updated <i>user</i> object

Parameter	Explanation
username	<b>REQUIRED.</b> Unique identifier to specify which user's record is being suspended.

## 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	<i>user</i> object ( <b>REQUIRED</b> - <username>)  Example: <endUser> <username>omportal1@qatest</username> </endUser>
RESPONSE	200 OK updated <i>user</i> object

Parameter	Explanation
username	<b>REQUIRED.</b> Unique identifier to specify which user's record is being suspended.

## 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 [the iPass self-activation](#) page where the user can request this email.

URL	{{BASE_URL}}/users?service=resendActivation
HEADER	x-ipass-company-id:{{COMPANY_ID}}
POST BODY	<p>user object (REQUIRED - &lt;username&gt;)</p> <p>Example</p> <pre>&lt;user&gt; &lt;username&gt;omportal1@qatest&lt;/username&gt; &lt;/user&gt;</pre>
RESPONSE	<p>200 OK</p> <pre>&lt;message&gt; Operation completed successfully &lt;/message&gt;</pre>

Parameter	Explanation
username	<b>REQUIRED.</b> Unique identifier to specify which user record is being suspended.

## Cost Centers Management API

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

### Cost Center Object

```
<costcenter>
<assignedCount>5</assignedCount>
<costId>qa</costId>
<id>1878</id>
<modifiedBy>iPass</modifiedBy>
<modifiedTime>2014-05-17T04:12:46Z</modifiedTime>
<name>qa</name>
<childCompany>1043120</childCompany>
</costcenter>
```

Parameter	Explanation
assignedCount	<b>REQUIRED.</b> Number of users assigned to this Cost Center.
costId	<b>REQUIRED.</b> Visual unique identifier of the Cost Center.

id	<b>SYSTEM.</b> Unique identifier of the Cost Center and this is assigned automatically when Cost Center is first created.
name	<b>REQUIRED.</b> Any string to describe the Cost Center.
childCompany	<b>OPTIONAL.</b> 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 <i>costCenter</i> 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	<i>costCenter</i> object ( <b>REQUIRED</b> - <costId> and <name>)  If CostCenter maps to a child company, <childCompany> is also a <b>REQUIRED</b> 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	<i>costCenter</i> object ( <b>REQUIRED</b> - <costId>)  If CostCenter maps to a child company, <childCompany> is also a <b>REQUIRED</b> field.
RESPONSE	200 OK <message> Operation completed successfully </message>

Parameter	Explanation
costId	<b>REQUIRED.</b> Unique identifier to specify which CostCenter's record is being updated.

## 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	<b>REQUIRED.</b> Unique identifier to specify which CostCenter's record is being removed.

## List User

Queries users currently assigned to this Cost center.

URL	{{BASE_URL}}/costcenters?service=listUsers&costCenterId={{COST_ID}}&page={{PAGE}}&limit={{LIMIT}}
HEADER	x-ipass-company-id:{{COMPANY_ID}}

POST BODY	
RESPONSE	<p>200 OK list of <i>simpleEndUser</i> object(s)</p> <pre> &lt;PaginatedEndUserSearchResult&gt;   &lt;pageNumber&gt;1&lt;/pageNumber&gt;   &lt;pageSize&gt;15&lt;/pageSize&gt;   &lt;paginationSessionId&gt;139&lt;/paginationSessionId&gt;   &lt;resultsThisPage&gt;5&lt;/resultsThisPage&gt;   &lt;totalResults&gt;5&lt;/totalResults&gt;   &lt;endUsers&gt;     &lt;simpleEndUser&gt;       &lt;endUserId&gt;170112&lt;/endUserId&gt;       &lt;firstName&gt;0&lt;/firstName&gt;       &lt;lastName&gt;0&lt;/lastName&gt;       &lt;userName&gt;sbtest_qa10@qatest&lt;/userName&gt;     &lt;/simpleEndUser&gt;     ... </pre>

Parameter	Explanation
COST_ID	<b>REQUIRED.</b> Unique identifier to specify which CostCenter is being queried for the list of users.
PAGE	<b>REQUIRED.</b> This is the page size. If you specify 20 then you'll get up to 20 results back.
LIMIT	<b>REQUIRED.</b> 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.

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

	<pre> &lt;endusers&gt;   &lt;assignedList&gt;     &lt;enduser&gt;       &lt;endUserId&gt;170112&lt;/endUserId&gt;     &lt;/enduser&gt;     &lt;enduser&gt;       &lt;endUserId&gt;175291&lt;/endUserId&gt;     &lt;/enduser&gt;   &lt;/assignedList&gt; &lt;/endusers&gt; </pre>
RESPONSE	<pre> 200 OK &lt;message&gt;   Operation completed successfully &lt;/message&gt; </pre>

Parameter	Explanation
COST_ID	<b>REQUIRED.</b> Unique identifier to specify which CostCenter is being queried for the list of users.

## 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	<p>list of user objects (<b>REQUIRED</b> - &lt;endUserId&gt;)</p> <p>Example:</p> <pre> &lt;endusers&gt;   &lt;unAssignedList&gt;     &lt;enduser&gt;       &lt;endUserId&gt;170112&lt;/endUserId&gt;     &lt;/enduser&gt;   &lt;/unAssignedList&gt; &lt;/endusers&gt; </pre>
RESPONSE	<pre> 200 OK &lt;message&gt;   Operation completed successfully </pre>



	</message>
--	------------

Parameter	Explanation
COST_ID	<b>REQUIRED.</b> Unique identifier to specify which CostCenter is being queried for the list of users

## Devices Management API

This API lets you access deactivation and activation data. This only works with ACA-enabled companies. If you attempt to query a device with an email address that is associated with a non-ACA company, you will receive an error that the email address was not found.

### 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	<b>SYSTEM.</b> Unique identifier to identify a device. The device UUID is dynamically generated at the installation time.
enabledOn	<b>SYSTEM.</b> Activation timestamp.
manufacturer	<b>SYSTEM.</b> The manufacturer of the device, collected at the activation time. Example: <i>LGE</i> .
modelId	<b>SYSTEM.</b> The model of the device, collected at the activation time.
platform	<b>SYSTEM.</b> The platform of the device, collected at the activation time.
status	<b>SYSTEM.</b> 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 <i>device</i> object(s)

Parameter	Explanation
email	<b>REQUIRED.</b> 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	<b>REQUIRED.</b> Email account that the device is activated with.
deviceUuid	<b>REQUIRED.</b> 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	<b>REQUIRED</b> Registration Code
regCode2	<b>OPTIONAL</b> Registration Code 2.
duration	<b>REQUIRED.</b> Duration the iPass service will be active once user registers.
durationUnit	<b>REQUIRED.</b> Unit of days or months.
useCount	<b>SYSTEM.</b> T
id	<b>SYSTEM.</b> iPass unique registration code identifier.
departmentCode	<b>OPTIONAL.</b> Fields to be used to hold additional data.
altId	<b>OPTIONAL.</b> Fields to be used to hold additional data.
companyId	<b>REQUIRED.</b>

maxActivationDate	<b>REQUIRED.</b> 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>&lt;registrationCodeBean&gt;   &lt;registrationCode&gt;     &lt;regCode&gt;regcode&lt;/regCode&gt;     &lt;regCode2&gt;regcode12345&lt;/regCode2&gt;     &lt;duration&gt;2&lt;/duration&gt;     &lt;durationUnit&gt;Months&lt;/durationUnit&gt;     &lt;departmentCode&gt;DEV&lt;/departmentCode&gt;     &lt;altId&gt;&lt;/altId&gt;     &lt;companyId&gt;1001699&lt;/companyId&gt;     &lt;maxActivationDate&gt;10/31/2017&lt;/maxActivationDate&gt;   &lt;/registrationCode&gt; &lt;/registrationCodeBean&gt;</pre>
RESPONSE	<p>200 OK</p> <p>Registration Code object created with additional iPass identifier &lt;id&gt;. &gt;</p>

Parameter	Explanation
id	<b>SYSTEM.</b> 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>)

BODY	<pre> Example &lt;registrationCodeBean&gt;   &lt;registrationCode&gt;     &lt;id&gt;DB709598E949491E8722B329BC646B40&lt;/id&gt;     &lt;duration&gt;2&lt;/duration&gt;   &lt;/registrationCode&gt; &lt;/registrationCodeBean&gt; </pre>
RESPONSE	<p>200 OK</p> <p>Updated Registration Code object.</p>

Parameter	Explanation
id	<b>SYSTEM.</b> 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	<p>200 OK</p> <p>List of used Registration Codes</p>

Parameter	Explanation
LIMIT	<b>REQUIRED.</b> This is the page size. If you specify 20, then you'll get up to 20 results back.
PAGE	<b>REQUIRED.</b> 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	<b>OPTIONAL.</b> This is any string value. It will match against the beginning of RegCode, RegCode2, Department, etc.
LIMIT	<b>REQUIRED.</b> This is the page size. If you specify 20, then you'll get up to 20 results back.
PAGE	<b>REQUIRED.</b> 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 will 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 all the reports into a single file with the reports stored in their own child company folder.

URL	{{BASE_URL}}/reports?service=getCustomWithChild&month={{MONTH}}&filename={{FILENAME}}
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

## Errors

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

### Error Object

Typical error response:

```
<error>
  <errorCode>10001</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 for error, which your software can use to handle the error accordingly
errorMessage	String describing what the problem is, and gives more specific information about the error you are encountering

#### HTTP Status / Code

Code	Description
200	OK
400	Bad Request
401	Unauthorized
404	Not Found
500	Internal Server Error

Category Prefix	Category
[60]XXX	Hosted User-related Error

Status Prefix	Status
XX[1]XX	Success
XX[2-8]XX	Failure (Retryable)
XX[9]XX	Failure (Unretryable)

**Legal Disclaimer**  
Change Policy



iPass may change API attributes and resources as well as 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](http://developer.ipass.com/iPass_API_Terms.pdf)