

# webMethods Mobile Administrator API Reference

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This document applies to webMethods Mobile Administrator Version 9.8 and to all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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## About This Guide

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This guide describes how to access webMethods Mobile Administrator through the REST API.

If you want to use Mobile Administrator in the browser, see the *webMethods Mobile Administrator User's Guide*.

## Document Conventions

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Convention	Description
<b>Bold</b>	Identifies elements on a screen.
Narrowfont	Identifies storage locations for services on webMethods Integration Server, using the convention <i>folder.subfolder:service</i> .
UPPERCASE	Identifies keyboard keys. Keys you must press simultaneously are joined with a plus sign (+).
<i>Italic</i>	Identifies variables for which you must supply values specific to your own situation or environment. Identifies new terms the first time they occur in the text.
Monospace font	Identifies text you must type or messages displayed by the system.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the   symbol.
[ ]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [ ] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

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# 1 Using the Mobile Administrator API

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## Overview

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You can access webMethods Mobile Administrator through the REST API. The Mobile Administrator REST requests can be used to:

- Retrieve the properties of managed applications, application versions and application categories.
- Add new application versions.
- Request the installation of applications on specified devices.
- Retrieve a list of updated applications on specified devices.

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## Content Type and Base Paths

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The Mobile Administrator API is JSON based. To trigger JSON output, do one of the following:

- Set an `Accept: application/json` HTTP request header.
- Add the extension `.json` to the API URL paths, for example `/api/v1/apps.json`.

**Note:** This does not apply to requests that return images.

The Mobile Administrator API uses the following base path: `/api/v1`.

Examples of full request paths are `/api/v1/apps` or `/api/v1/apps.json`.

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## Authentication

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All Mobile Administrator REST requests require user authentication. There are three supported authentication methods:

- **Access token based authentication.** Create an access token on a user's detail page in the web interface, and pass the token in each request via the `X-AppFresh-Access-Token` HTTP header or the `access_token` GET parameter.
- **HTTP basic authentication.** Include user credentials on every request.
- **Cookie based authentication (with explicit login).** Post the parameters `user_session[username]` and `user_session[password]` to `/api/v1/login`. Store the session ID cookie appropriately and pass it to other requests. Perform a `GET /api/v1/logout` to log out at any time.

**Note:** It is required to use the HTTPS protocol.

## Device Filter

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To filter category and application results to only include items that are suitable for the client, the following GET parameters may be appended to REST requests:

- `device_filter[manufacturer]` The name of the device manufacturer.
- `device_filter[model]` The device model.
- `device_filter[platform]` The name of the platform running on the device. To get a list of supported platforms, use the [GET /api/v1/platforms](#) request.
- `device_filter[platform_version]` The current platform version of the device.

If the client device has already been registered, the following parameter is sufficient:

- `device_filter[device_id]` The device identifier.

## Device Identifiers

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The client is responsible for generating the device ID. It must ensure that the device ID is unique to the device and does not change. Examples are:

- `apple:udid:bc933a993bd5e31a2f6049154274ec0e2d76fcfa` (UDID, iOS 5 and earlier)
- `apple:vendorId:1DD28095-D747-4B04-8AA7-3439FFF47FBE` (vendor identifier, iOS 6 and later)
- `samsung:serial:ecda4c0aea9865be` (Android)

When upgrading to another device ID generation schema (such as a transition from iOS 5 to iOS 6), you must look up the old device ID first (using `GET /devices/<identifier>`) to avoid creating a duplicate device.

## Resource Bundles

---

A Mobile Administrator resource bundle contains a number of files (resources) that are provided to an application dynamically. A resource may be "bundled", that means shipped as part of the application. Non-bundled resources or newer versions of bundled resources can be downloaded by the application at any time.

### Shipping a Resource Bundle

After creating and finalizing a manifest, download the bundle ZIP and extract its contents to get the file tree that should be included with the application.

## Updating Manifests

To make a new version of a manifest available, duplicate the old manifest and remove or add files as required. By finalizing the manifest, it becomes available to the application either immediately or after the **Valid from** date.

## Resource Manifests

The most current version of each resource is referenced by its SHA1 checksum in a resource manifest. A resource manifest describing the shipped version of the resource bundle is also shipped with the application, and updated versions of that manifest are downloaded by an application as they become available to identify updated resources.

An example manifest may look like this:

```
<?xml version="1.0" encoding="UTF-8"?>
<manifest timestamp="2012-09-26T16:03:03+0200" namespace="com.example">
<resource filesize="28" path="bundled1.txt" bundled="true"
mimeType="application/octet-stream"
sha1="4707cb8c4e78321df4caec3bbfdc2416e88e235d"/>
<resource filesize="56" path="bundled2.txt" bundled="true"
mimeType="application/octet-stream"
sha1="62d91b2d24cc06517795531f4bab6b6364aefb0c"/>
<resource filesize="56" path="other.png" bundled="false"
mimeType="application/octet-stream"
sha1="62d91b2d24cc06517795531f4bab6b6364aefb0c"/>
</manifest>
```

Manifests have a SHA1 checksum themselves and are located like other resources. To get the SHA1 checksum of a manifest, a manifest reference is used.

## Manifest References

Manifest references contain the SHA1 checksum of the manifest file and a timestamp that can be used to sort manifests by creation time.

```
<?xml version="1.0" encoding="UTF-8"?>
<manifestReference timestamp="2012-09-26T16:15:52+0200"
namespace="com.example"
sha1="6845b71d66c916c8cb55cc867449a11f9d08d2b3"/>
```

## File System Layout

The path to a manifest reference as identified by its namespace is constructed like this:

```
refs/{namespace}.ref
```

The path to a resource as identified by its SHA1 checksum is constructed like this:

```
objects/{SHA1 part 1}/{SHA1 part 2}.blob
```

The first part of the SHA1 are the first two lowercase characters of the hex representation of the SHA1 checksum, and the second part is the remainder of the checksum. The path for the above-mentioned bundled1.txt resource would look like this:

```
objects/47/07cb8c4e78321df4caec3bbfdc2416e88e235d.blob
```

## API

The file system paths described above map to the API which may be used to retrieve the most recent manifest reference or resources for an application.

## Summary of REST Requests

Mobile Administrator provides the REST requests listed below.

**Note:** In this summary and in the descriptions of the individual requests, the term "product" is used as a synonym for "application".

### Categories

For a list of attributes, see "[ProductCategory](#)" on page 80.

Request	Description
<a href="#">GET /api/v1/app_categories</a>	Returns the complete list of application categories.
<a href="#">GET /api/v1/app_categories/&lt;id&gt;</a>	Returns the details of an application category with a specified ID.
<a href="#">GET /api/v1/app_categories/&lt;id&gt;/apps</a>	Returns a list of applications in a category with a specified ID.
<a href="#">GET /api/v1/app_categories/&lt;id&gt;/icon</a>	Returns the icon of an application category with a specified ID in form of a 96x96 px PNG file.
<a href="#">POST /api/v1/app_categories</a>	Creates a new application category.
<a href="#">PUT /api/v1/app_categories/&lt;id&gt;</a>	Edits the fields of an application category with a specified ID.
<a href="#">DELETE /api/v1/app_categories/&lt;id&gt;</a>	Deletes an application category with a specified ID.

### Apps

For a list of attributes, see "[Product](#)" on page 78.

Request	Description
GET /api/v1/apps	Returns a complete list of applications.
POST /api/v1/apps	Creates a new application.
GET /api/v1/apps/<product_id>	Returns the details of an application with a specified ID.
PUT /api/v1/apps/<product_id>	Edits the fields of an application with a specified ID.
DELETE /api/v1/apps/<product_id>	Deletes an application with a specified ID.
GET /api/v1/apps/<product_id>/icon	Returns the icon of an application with a specified ID in form of a 96x96 px PNG file.
GET /api/v1/apps/<product_id>/screenshot/<index>	Returns a screenshot of an application with a specified ID (only valid for an index that is referenced from the application dictionary).
GET /api/v1/apps/<product_id>/request_install_link/<platform>	Returns a dictionary with a key URL containing a link (possibly with authentication parameters) that can be used to download the latest version of an application with a specified ID.
GET /api/v1/apps/<product_id>/versions	Returns a list of all versions of an application with a specified ID.
GET /api/v1/apps/<product_id>/versions/<id>	Returns the details of a version with a specified ID of an application with a specified ID.
POST /api/v1/apps/<product_id>/versions	Creates a new version of an application with a specified ID.
DELETE /api/v1/apps/<product_id>/versions	Deletes all versions of an application with a specified ID.
PUT /api/v1/apps/<product_id>/versions/<id>	Updates specific fields of a version with a specified ID of an application with a specified ID.

Request	Description
DELETE /api/v1/apps/ <product_id>/versions/<id>	Deletes a version with a specified ID of an application with a specified ID.
GET /api/v1/apps/<product_id>/ users	Returns a list of all permissions for each assigned user of an application with a specified ID.
POST /api/v1/apps/ <product_id>/users	Creates a new permission set for a user of an application with a specified ID.
PUT /api/v1/apps/<product_id>/ users/<product_user_id>	Updates permissions for a specific set with a specified ID of an application with a specified ID.
DELETE /api/v1/apps/ <product_id>/users/ <product_user_id>	Deletes a set of permissions with a specified ID of an application with a specified ID.
GET /api/v1/apps/recent	Returns a list of the ten most recent applications.
POST /api/v1/apps/ create_agile_app	Creates a new application based on a stored application template (AgileApps template ZIP).

### Activity Logging

REST Request	Description
POST /api/v1/apps/ <product_id>/log	Anonymously logs a client action on to an application with a specified ID.

### Devices

REST Request	Description
GET /api/v1/devices/<device_id>	Returns information about a device.
POST /api/v1/devices	Creates a device.
PUT /api/v1/devices/<device_id>	Updates a device.

REST Request	Description
GET /api/v1/devices/ <device_id>/ ios_mdm_profile_redirect	Returns a JSON key URL.
GET /api/v1/devices/ <device_id>/installed_apps	Returns a list of applications on a device with a specified device identifier.
GET /api/v1/devices/ <device_id>/updates	Returns a list of applications that have updates available on a device with a specified device identifier.
GET /api/v1/devices/ <device_id>/app/<product_id>	Returns the status of an application with a specified ID on a device with a specified device identifier.
PUT /api/v1/devices/ <device_id>/app/<product_id>	Updates the status of an application with a specified ID on a device with a specified device identifier.
POST /api/v1/devices/ <device_id>/app/<product_id>/ install	Marks an application with a specified ID for installation on a device with a specified device identifier.
POST /api/v1/devices/ <device_id>/app/<product_id>/ remove	Marks an application with a specified ID for removal on a device with a specified device identifier.

## Resources

For a more detailed explanation of the resources concept, see "[Resource Bundles](#)" on page 11.

REST Request	Description
GET /api/v1/resources/refs/ <bundle_id>	Returns a reference XML for the latest manifest of an application that is associated with a specified bundle ID.
GET /api/v1/resources/objects/ <sha1>	Returns a resource with a specified SHA1 checksum.



## Push Notifications

REST Request	Description
POST /api/v1/apps/ <product_id>/push/register	Registers a push device for a product. Only one of the parameters must be set: <i>registrationId</i> , <i>pushTokenHex</i> or <i>mpns_uri</i> .
POST /api/v1/apps/<product_id>/ push_device_groups/add	Adds one or more PushDevice resources to a group of PushDevices, a PushDeviceGroup resource.
POST /api/v1/apps/<product_id>/ push_device_groups/remove	Removes one or more PushDevice resources from a PushDeviceGroup resource.
DELETE /api/v1/apps/<product_id>/ push_device_groups/<name>	Deletes a PushDeviceGroup resource.
POST /api/v1/apps/<product_id>/push/send	Sends a push notification to a single device, if any of the following parameters is given: <i>registrationId</i> , <i>pushTokenHex</i> or <i>mpns_uri</i> . If the <i>push_group_name</i> parameter is set, it sends the push notification to all push devices that belong to the given push group.

## Certificates

REST Request	Description
GET /api/v1/certificates	Returns all code signing certificates.
GET /api/v1/certificates/<id>	Returns the code signing certificate with a specified ID.

## iOS Provisioning Profiles

REST Request	Description
GET /api/v1/ios_provisioning_profiles	Returns all iOS provisioning profiles.

REST Request	Description
GET /api/v1/ ios_provisioning_profiles/<id>	Returns the iOS provisioning profile with a specified ID.

## Build Configurations

REST Request	Description
GET /api/v1/apps/<product_id>/ build_configs	Returns all build configurations of an application.
GET /api/v1/apps/<product_id>/ build_configs/<id>	Returns a build configuration with a specified ID of an application.
POST /api/v1/apps/ <product_id>/build_configs	Posts the build configurations of an application.
PUT /api/v1/apps/<product_id>/ build_configs/<id>	Updates a build configuration of an application.
DELETE /api/v1/apps/ <product_id>/build_configs/<id>	Deletes a build configuration with a specified ID of an application.
POST /api/v1/apps/ <product_id>/build_configs/ batch_launch	Launches build jobs based on the build configurations of an application.
GET /api/v1/build_configs/ check_repo	Returns a BuildConfig resource that requires a check of its associated repository (if any).
GET /api/v1/build_configs/<id>/ update_repo_check	Updates a BuildConfig resource with the latest available revision of the associated repository.

## Build Jobs

REST Request	Description
GET /api/v1/build_jobs/next	Returns the next new build job.
GET /api/v1/build_jobs/<id>/ inputfile/<role>	Returns the input file with the role that was specified for a build job with a specified ID.

REST Request	Description
GET /api/v1/build_jobs/<id>/outputfile/<role>	Returns the output file with the role that was specified for a build job with a specified ID.
POST /api/v1/build_jobs/<id>/outputfile	Attaches an output file to a build job with a specified ID.
PUT /api/v1/build_jobs/<id>	Updates a build job with a specified ID.
POST /api/v1/build_jobs/<id>/log_entries	Creates a new log entry for a build job.

### Build Nodes

REST Request	Description
GET /api/v1/build_nodes	Returns all build nodes.
POST /api/v1/build_nodes	Creates a new build node.
GET /api/v1/build_nodes/<id>	Returns a build node with a specified ID.
DELETE /api/v1/build_nodes/<id>	Deletes a build node with a specified ID.
PUT /api/v1/build_nodes/<id>	Updates a build node with a specified ID.

### Users

For a list of parameters, see "[User](#)" on page 84.

REST Request	Description
GET /api/v1/users/<user_id>	Returns details of a user with a specified ID.
POST /api/v1/users	Creates a new user.
PUT /api/v1/users/<user_id>	Edits the fields of a user with a specified ID.
DELETE /api/v1/users/<user_id>	Deletes a user with a specified ID.

REST Request	Description
<a href="#">GET /api/v1/users/&lt;user_id&gt;/products</a>	Returns a list of all permissions for each assigned product of a user with a specified ID.

### Comments and Ratings

REST Request	Description
<a href="#">POST /api/v1/apps/&lt;product_id&gt;/versions/&lt;product_version_id&gt;/rate</a>	Adds a rating to a ProductVersion resource.
<a href="#">POST /api/v1/apps/&lt;product_id&gt;/versions/&lt;product_version_id&gt;/comment</a>	Adds a comment to a ProductVersion resource.
<a href="#">POST /api/v1/apps/&lt;product_id&gt;/rate</a>	Adds a user rating to the specified product.
<a href="#">POST /api/v1/apps/&lt;product_id&gt;/comment</a>	Adds a user comment to the specified product.
<a href="#">DELETE /api/v1/apps/&lt;product_id&gt;/versions/&lt;product_version_id&gt;/comment/&lt;comment_id&gt;</a>	Deletes a comment associated with a ProductVersion resource.

### Product Stages

REST Request	Description
<a href="#">GET /api/v1/product_stages</a>	Returns a list of product stages.
<a href="#">POST /api/v1/product_stages</a>	Creates a new product stages.
<a href="#">GET /api/v1/product_stages/&lt;id&gt;</a>	Returns the details of a product stage with a specified ID.
<a href="#">PUT /api/v1/product_stages/&lt;id&gt;</a>	Edits the fields of a product stage with a specified ID.

REST Request	Description
<a href="#">DELETE /api/v1/product_stages/&lt;id&gt;</a>	Deletes a product stage with a specified ID.

### Miscellaneous

REST Request	Description
<a href="#">GET /api/v1/siteicon</a>	Returns the site's company logo in form of a 34px PNG file.
<a href="#">POST /api/v1/access_token</a>	Creates a <code>PerishableAccessToken</code> for the current user.
<a href="#">GET /api/v1/check_credentials</a>	Validates the provided user credentials.
<a href="#">GET /api/v1/platforms</a>	Returns a list of Platform resources.
<a href="#">GET /api/v1/platforms/&lt;id&gt;</a>	Returns the details of a Platform resource.
<a href="#">PUT /api/v1/tos/accept</a>	Accepts the current terms of service for the authenticated user.
<a href="#">GET /api/v1/tos</a>	Returns the current terms of service for the site.

## Summary of REST Resources

The REST resources listed below are accepted as input or output parameters of the REST requests that are described in "[REST Requests in Alphabetical Order](#)" on page 25.

Mobile Administrator provides the following REST resources:

REST Resource	Description
<a href="#">BuildConfig</a>	Instances of the <code>BuildConfig</code> resource represent configurations needed to generate an executable file of a product.
<a href="#">BuildJob</a>	Instances of the <code>BuildJob</code> resource represent programmes that generate from source code an executable file. A build job runs on a build node and needs a build configuration.

REST Resource	Description
<a href="#">BuildNode</a>	Instances of the BuildNode resource represent programmes that execute build jobs and generate from source code an executable file of a product.
<a href="#">Certificate</a>	Instances of the Certificate resource represent X.509 certificate, optionally combined with an associated X.509 private key.
<a href="#">Comment</a>	Instances of the Comment resource represent a comment by a user. Comments can be associated with Product resources or with specific ProductVersions of a Product.
<a href="#">Device</a>	Instances of the Device resource represent a mobile device that is managed by Mobile Administrator.
<a href="#">IOSProvisioningProfile</a>	Instances of the IOSProvisioningProfile resource represent Apple iOS provisioning profiles, a resource required for signing iOS applications.
<a href="#">Platform</a>	Instances of the Platform resource represent a target platform of the mobile apps and devices managed by Mobile Administrator.
<a href="#">Product</a>	Instances of the Product resource represent mobile applications that are managed by Mobile Administrator.
<a href="#">ProductCategory</a>	Instances of the ProductCategory resource represent categories that can be used to organize mobile applications (Products).
<a href="#">ProductStage</a>	Instances of the ProductStage resource represent global product stages that are associated with product versions.
<a href="#">ProductUser</a>	Instances of the ProductUser resource represent a relationship between Product and User instances. They are used to define user access rights for a mobile application.
<a href="#">ProductVersion</a>	Instances of the ProductVersion resource represent individual versions of a mobile application (Product).
<a href="#">PushDevice</a>	Instances of the PushDevice resource represent a target device for a PushNotification resource.

REST Resource	Description
<a href="#">PushDeviceGroup</a>	Instances of the PushDeviceGroup resource represent a group of PushDevice resources. When a PushNotification is sent to a PushDeviceGroup, it is delivered to all PushDevices in this group.
<a href="#">PushNotification</a>	Instances of the PushNotification resource represent a message (notification) that is delivered through one or more mobile devices through the push notification services of the mobile platform vendors (Apple, Google, Microsoft).
<a href="#">User</a>	Instances of the User resource represent the user accounts of a Mobile Administrator instance.

---





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---

## POST /api/v1/access\_token

Creates a `PerishableAccessToken` for the current user.

### Input Parameters

---

<i>api_consumer</i>	<b>String</b> Valid <code>APIConsumer</code> identifier.
<i>valid_until</i>	<b>DateTime</b> Optional. Indicates how long the access token is valid.
<i>remaining_use_count_empty</i>	<b>Integer</b> Optional. Indicates how many times the access token can still be used.

### Output Parameters

---

**String** The requested access token.

---

## POST /api/v1/app\_categories

Creates a new application category.

### Input Parameters

---

	<b>Document</b> <code>ProductCategory</code> resource, see " <a href="#">ProductCategory</a> " on page 80.
<i>iconfile</i>	<b>Image</b> Optional. The application's icon.
<i>teaserfile</i>	<b>Image</b> Optional. Image that replaces the name of the category in the native client.

### Output Parameters

---

**Document** `ProductCategory` resource, see "[ProductCategory](#)" on page 80.

---

## GET /api/v1/app\_categories

Returns the complete list of application categories.

### Input Parameters

---

None.

### Output Parameters

---

**Document List** List of ProductCategory resources, see "[ProductCategory](#)" on page 80.

---

## PUT /api/v1/app\_categories/<id>

Edits the fields of an application category with a specified ID.

### Input Parameters

---

*id* **String** The application category identifier.

**Document** ProductCategory resource, see "[ProductCategory](#)" on page 80.

### Output Parameters

---

**Document** ProductCategory resource, see "[ProductCategory](#)" on page 80.

---

## GET /api/v1/app\_categories/<id>

Returns the details of an application category with a specified ID.

### Input Parameters

---

*id* **String** The application category identifier.

### Output Parameters

---

**Document** ProductCategory resource, see "[ProductCategory](#)" on page 80.

---

## DELETE /api/v1/app\_categories/<id>

Deletes an application category with a specified ID.

### Input Parameters

---

*id* **String** The application category identifier.

### Output Parameters

---

None.

---

## GET /api/v1/app\_categories/<id>/apps

Returns a list of applications in a category with a specified ID.

### Input Parameters

---

*id* **String** The application category identifier.

### Output Parameters

---

**Document List** List of Product resources, see "[Product](#)" on page 78.

---

## GET /api/v1/app\_categories/<id>/icon

Returns the icon of an application category with a specified ID in form of a 96x96 px PNG file. Returns HTTP status 404 if no icon is available for the application category.

**Tip:** It is recommended to use a 96x96 px replacement icon.

### Input Parameters

---

*id* **String** The application category identifier.

### Output Parameters

---

**Image** PNG file of the application's icon.

### Usage Notes

The `Accept: application/json` HTTP header or the `.json` path extension must not be used with this REST request.

---

## GET /api/v1/apps

Returns a complete list of applications.

### Input Parameters

---

*search* **String** Optional. Filters applications that match the search string.

*category* **String** Optional. Returns only applications within the given category.

### Output Parameters

---

**Document List** List of Product resources, see "[Product](#)" on [page 78](#).

---

## POST /api/v1/apps

Creates a new application.

### Input Parameters

---

**Document** Product resource, see "[Product](#)" on [page 78](#).



---

<i>splashportrait</i>	<b>Image</b> Optional. Splash screen for portrait mode.
<i>splashlandscape</i>	<b>Image</b> Optional. Splash screen for landscape mode.
<i>iOS[bundle_id]</i>	<b>String</b> Optional. Bundle identifier of iOS application.
<i>Android[bundle_id]</i>	<b>String</b> Optional. Package name of Android application.
<i>WP[bundle_id]</i>	<b>String</b> Optional. Product identifier of Windows Phone application.
<i>J2ME[bundle_id]</i>	<b>String</b> Optional. Java package name of Java Mobile application.
<i>MacOS[bundle_id]</i>	<b>String</b> Optional. Bundle identifier of Mac OS application.

### Output Parameters

---

**Document** Product resource, see "[Product](#)" on page 78.

---

## POST /api/v1/apps/create\_agile\_app

Creates a new application based on a stored application template (AgileApps template ZIP).

### Input Parameters

---

<i>product</i>	<b>Document</b> The product resource to be created.
<i>app_options</i>	<b>String</b> A nested parameter to pass key-value parameters to the template application. For instance, set <code>app_options[key]=value</code> to pass the parameter key to the application build.
<i>target_platforms[ios]</i>	<b>Integer</b> Optional. Set to 1 if building the application for iOS.

<i>target_platforms[android]</i>	<b>Integer</b> Optional. Set to 1 if building the application for Android.
<i>app_policies[disallow_copy_paste]</i>	<b>Integer</b> Optional. Set to 1 if copy and paste should be disabled in the application.
<i>app_policies[disallow_jailbreak]</i>	<b>Integer</b> Optional. Set to 1 if the application should not run on jailbroken/rooted devices.

---

### Output Parameters

---

**Document** Product resource, see "[Product](#)" on page 78.

---

## GET /api/v1/apps/recent

Returns a list of the ten most recent applications (ordered by the creation date of the latest stable application version).

---

### Input Parameters

---

None.

---

### Output Parameters

---

**Document List** List of Product resources, see "[Product](#)" on page 78.

---

## GET /api/v1/apps/<product\_id>

Returns the details of an application with a specified ID.

---

### Input Parameters

---

*product\_id* **String** The application identifier.

### Output Parameters

---

**Document** Product resource, see ["Product" on page 78](#).

---

## PUT /api/v1/apps/<product\_id>

Edits the fields of an application with a specified ID.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
	<b>Document</b> Product resource, see <a href="#">"Product" on page 78</a> .
<i>splashportrait</i>	<b>Image</b> Optional. Splash screen for portrait mode.
<i>splashlandscape</i>	<b>Image</b> Optional. Splash screen for landscape mode.

### Output Parameters

---

**Document** Product resource, see ["Product" on page 78](#).

---

## DELETE /api/v1/apps/<product\_id>

Deletes an application with a specified ID.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
-------------------	---

### Output Parameters

---

None.

---

## GET /api/v1/apps/<product\_id>/build\_configs

Returns all build configurations of an application.

### Input Parameters

---

*product\_id* **String** The identifier of the application for which the build configurations are requested.

### Output Parameters

---

**Document List** List of BuildConfig resources, see ["BuildConfig" on page 72](#).

---

## GET /api/v1/apps/<product\_id>/build\_configs/<id>

Returns a build configuration with a specified ID of an application.

### Input Parameters

---

*product\_id* **String** The identifier of the application for which the build configurations are requested.

*id* **Integer** The identification number of the build configuration.

### Output Parameters

---

**Document** BuildConfig resource, see ["BuildConfig" on page 72](#).

---

## POST /api/v1/apps/<product\_id>/build\_configs

Creates a build configuration for an application.

### Input Parameters

---

*product\_id*

**String** The identifier of the application for which the build configurations are created.

**Document** BuildConfig resource, see "[BuildConfig](#)" on [page 72](#).

### Output Parameters

---

**Document** BuildConfig resource, see "[BuildConfig](#)" on [page 72](#).

---

## PUT /api/v1/apps/<product\_id>/build\_configs/<id>

Updates a build configuration of an application.

### Input Parameters

---

*product\_id*

**String** The identifier of the application for which the build configurations are updated.

<id>

**Integer** Identification number of the build configuration.

**Document** BuildConfig resource, see "[BuildConfig](#)" on [page 72](#).

### Output Parameters

---

**Document** BuildConfig resource, "[BuildConfig](#)" on [page 72](#).

---

## DELETE /api/v1/apps/<product\_id>/build\_configs/<id>

Deletes a build configuration with a specified ID of an application.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The identifier of the application for which the build configurations are updated.
<i>id</i>	<b>Integer</b> The identification number of the build configuration.

### Output Parameters

---

None.

---

## POST /api/v1/apps/<product\_id>/build\_configs/batch\_launch

Launches build jobs based on the build configurations of an application.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The identifier of the application for which the build jobs are launched.
<i>version</i>	<b>String</b> The dot-separated version string of the build result.
<i>input</i>	<b>File</b> The input file (ZIP). Required, if any of the build configurations does not specify a repository to use. Is ignored otherwise.
<i>launch_build_configs[&lt;id&gt;]</i>	<b>Integer</b> For any build configuration ID. Can be specified multiple times to launch multiple build configurations simultaneously. The value needs to be 1.

### Output Parameters

---

<i>build_job_ids</i>	<b>Integer List</b> The identification numbers of build jobs that were created successfully.
----------------------	--

## POST /api/v1/apps/<product\_id>/comment

Adds a user comment to the specified product.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>comment</i>	<b>Document</b> Comment resource, see " <a href="#">Comment</a> " on page 76.
<i>rating</i>	<b>Integer</b> Optional. The rating or number of stars to rate, between 1 (lowest) and 5 (highest).

### Output Parameters

---

None.

## GET /api/v1/apps/<product\_id>/icon

Returns the icon of an application with a specified ID in form of a 96x96 px PNG file.

**Tip:** It is recommended to use a 96x96 px replacement icon.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
-------------------	---

### Output Parameters

---

**Image** PNG file of the application's icon.

### Usage Notes

The `Accept: application/json` HTTP header or the `.json` path extension must not be used with this REST request.

---

## POST /api/v1/apps/<product\_id>/log

Anonymously logs a client action on to an application with a specified ID. This request does not require authentication.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>version</i>	<b>String</b> The application version of the client.
<i>logaction</i>	<b>String</b> An application-specific identifier of the action that is being logged (for example <code>app_launch</code> ).
<i>uuid</i>	<b>String</b> A UUID / iOS UDID / iOS 6 vendor identifier that uniquely identifies the client.
<i>platform</i>	<b>String</b> To get a list of supported platforms, use the <a href="#">GET /api/v1/platforms</a> request.
<i>platform_version</i>	<b>String</b> The platform version.

### Output Parameters

---

None.

---

## POST /api/v1/apps/<product\_id>/push/register

Registers a push device for a product. Only one of the parameters must be set: *registrationId*, *pushTokenHex* or *mpns\_uri*.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>registrationId</i>	<b>String</b> Android GCM registration ID.
<i>pushTokenHex</i>	<b>String</b> iOS deviceToken in Hex format.



*mpns\_uri* **String** Microsoft Push Notification Service URI endpoint.

### Output Parameters

---

**Document** PushDevice resource, see "[PushDevice](#)" on [page 82](#)

## POST /api/v1/apps/<product\_id>/push/send

Sends a push notification to a single device if any of the following parameters is given: *registrationId*, *pushTokenHex* or *mpns\_uri*. If the *push\_group\_name* parameter is set, it sends the push notification to all push devices that belong to the given push group.

### Input Parameters

---

*product\_id* **String** The application identifier.

*registrationId* **String** Android GCM registration ID.

*pushTokenHex* **String** iOS deviceToken in Hex format.

*mpns\_uri* **String** Microsoft Push Notification Service URI endpoint.

*push\_group\_name* **String** Optional. The name of the PushDeviceGroup resource, see "[PushDeviceGroup](#)" on [page 83](#)

*badge* **Integer** Optional. iOS only. Sets the badge number on the app icon.

*message* **String** Optional. The push notification message.

*sound* **String** Optional. iOS only. Plays a sound when the push notification is received. Set the parameter to `default` to play the default sound.

*apns\_mode* **String** Optional. Specifies the APNS environment to use when sending iOS push notifications. The default is `production`. Specify `development` to use the development environment.

---

*extra\_params* **Object** Optional. Contains any additional parameters which should be sent with the push notification.

### Output Parameters

---

**Document** PushNotification resource, see ["PushNotification" on page 84](#)

---

## POST /api/v1/apps/<product\_id>/push\_device\_groups/add

Adds one or more PushDevice resources to a group of PushDevices, a PushDeviceGroup resource.

### Input Parameters

---

*product\_id* **String** The application identifier.

*name* **String** The name of a PushDeviceGroup resource. If no PushDeviceGroup exists with the specified name, it is created automatically.

*push\_device\_ids* **Integer List** List of identifications numbers of PushDevice resources to add to the PushDeviceGroup.

### Output Parameters

---

None.

---

## POST /api/v1/apps/<product\_id>/push\_device\_groups/remove

Removes one or more PushDevice resources from a PushDeviceGroup resource.

### Input Parameters

---

*product\_id* **String** The application identifier.

*name* **String** The name of a PushDeviceGroup resource.

*push\_device\_ids*                      **Integer List** List of identifications numbers of PushDevice resources to remove from the PushDeviceGroup.

---

**Output Parameters**

---

None.

---

**DELETE /api/v1/apps/<product\_id>/push\_device\_groups/<name>**

Deletes a PushDeviceGroup resource.

---

**Input Parameters**

---

*product\_id*                      **String** The application identifier.

*name*                                **String** The name of a PushDeviceGroup resource.

---

**Output Parameters**

---

None.

---

**POST /api/v1/apps/<product\_id>/rate**

Adds a user rating to the specified product.

---

**Input Parameters**

---

*product\_id*                      **String** The application identifier.

*score*                                **Integer** The rating or number of stars to rate, between 1 (lowest) and 5 (highest).

---

**Output Parameters**

---

None.

---

## GET /api/v1/apps/<product\_id>/request\_install\_link/<platform>

Returns a dictionary with a key URL containing a link (possibly with authentication parameters) that can be used to download the latest version of an application with a specified ID.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>platform</i>	<b>String</b> The platform for which the download link is requested. To get a list of supported platforms, use the <a href="#">GET /api/v1/platforms</a> request.
<i>unstable</i>	<b>Boolean</b> Optional. Requests the latest unstable version, if the user has permissions to download unstable versions. Otherwise, the latest stable version is returned. The default is <code>false</code> .
<i>product_stage_id</i>	<b>Integer</b> Optional. Requests the latest version that is associated with the ProductStage resource specified by the ID.

### Output Parameters

---

<i>url</i>	<b>String</b> The download URL of the application.
------------	--

---

## GET /api/v1/apps/<product\_id>/screenshot/<index>

Returns a screenshot of an application with a specified ID (only valid for an index that is referenced from the application dictionary). Returns HTTP status 404 if the index is invalid.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>index</i>	<b>Integer</b> The screenshot index.

### Output Parameters

---

*screenshot* **Image** Image file of the screenshot. Can be JPEG or PNG.

### Usage Notes

The `Accept: application/json` HTTP header or the `.json` path extension must not be used with this REST request.

---

## GET /api/v1/apps/<product\_id>/users

Returns a list of all permissions for each assigned user of an application with a specified ID.

### Input Parameters

---

*product\_id* **String** The application identifier.

### Output Parameters

---

**Document List** List of ProductUser resources, see ["ProductUser" on page 81](#).

---

## POST /api/v1/apps/<product\_id>/users

Creates a new permission set for a user of an application with a specified ID.

### Input Parameters

---

*product\_id* **String** The application identifier.

**Document** ProductUser resource, see ["ProductUser" on page 81](#).

### Output Parameters

---

**Document** ProductUser resource, see ["ProductUser" on page 81](#).

---

## PUT /api/v1/apps/<product\_id>/users/<product\_user\_id>

Updates permissions for the specified ProductUser resource.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>product_user_id</i>	<b>Integer</b> Identification number of the ProductUser resource.  <b>Document</b> ProductUser resource, see " <a href="#">ProductUser</a> " on <a href="#">page 81</a> .

### Output Parameters

---

**Document** ProductUser resource, see "[ProductUser](#)" on [page 81](#).

---

## DELETE /api/v1/apps/<product\_id>/users/<product\_user\_id>

Deletes permissions for the specified ProductUser resource.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>product_user_id</i>	<b>Integer</b> Identification number of the ProductUser resource.

### Output Parameters

---

None.

---

## GET /api/v1/apps/<product\_id>/versions

Returns a list of all versions of an application with a specified ID. The list is sorted, starting with the most recent version.

### Input Parameters

---

*product\_id* **String** The application identifier.

### Output Parameters

---

**Document List** List of ProductVersion resources, see "[ProductVersion](#)" on page 82.

---

## POST /api/v1/apps/<product\_id>/versions

Creates a new application version of an application with a specified ID.

### Input Parameters

---

*product\_id* **String** The application identifier.

*upload[datafile]* **Boolean** Optional. Whether the created application version should be stable. The default is `true`.

*stable* **Boolean** Optional. Whether the created application version should be stable. The default is `true`.

### Output Parameters

---

**Document** ProductVersion resource, see "[ProductVersion](#)" on page 82.

---

## DELETE /api/v1/apps/<product\_id>/versions

Deletes all versions of an application with a specified ID.

**Input Parameters**

---

*product\_id*                      **String** The application identifier.

**Output Parameters**

---

None.

---

**GET /api/v1/apps/<product\_id>/versions/<id>**

Returns the details of a version with a specified ID of an application with a specified ID.

**Input Parameters**

---

*id*                                      **Integer** Identification number of the version.

*product\_id*                      **String** The application identifier.

**Output Parameters**

---

**Document** ProductVersion resource, see  
["ProductVersion" on page 82.](#)

---

**PUT /api/v1/apps/<product\_id>/versions/<id>**

Updates specific fields of a version with a specified ID of an application with a specified ID.

**Input Parameters**

---

*product\_id*                      **String** The application identifier.

*id*                                      **Integer** Identification number of the version.



### Output Parameters

---

**Document** ProductVersion resource, see "[ProductVersion](#)" on page 82.

---

## DELETE /api/v1/apps/<product\_id>/versions/<id>

Deletes a version with a specified ID of an application with a specified ID.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>id</i>	<b>Integer</b> Identification number of the version.

### Output Parameters

---

None.

---

## POST /api/v1/apps/<product\_id>/versions/<product\_version\_id>/comment

Adds a comment to a ProductVersion resource.

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>product_version_id</i>	<b>Integer</b> Identification number of the ProductVersion resource.
<i>comment</i>	<b>String</b> Comment.

### Output Parameters

---

None.

---

## **DELETE /api/v1/apps/<product\_id>/versions/<product\_version\_id>/comment/<comment\_id>**

Deletes a comment associated with a ProductVersion resource.

### **Input Parameters**

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>product_version_id</i>	<b>Integer</b> Identification number of the ProductVersion resource.
<i>comment_id</i>	<b>Integer</b> The identification number of the Comment resource.

### **Output Parameters**

---

None.

---

## **POST /api/v1/apps/<product\_id>/versions/<product\_version\_id>/rate**

Adds a rating to a ProductVersion resource.

### **Input Parameters**

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>product_version_id</i>	<b>Integer</b> Identification number of the ProductVersion resource.
<i>score</i>	<b>Integer</b> The rating (between 0 and 5).

### **Output Parameters**

---

None.

---

## GET /api/v1/build\_configs/check\_repo

Returns a BuildConfig resource that requires a check of its associated repository (if any).

### Input Parameters

---

None.

### Output Parameters

---

**Document** BuildConfig resource, see "[BuildConfig](#)" on [page 72](#).

---

## GET /api/v1/build\_configs/<id>/update\_repo\_check

Updates a BuildConfig resource with the latest available revision of the associated repository.

### Input Parameters

---

<i>id</i>	<b>Integer</b> The identification number of the BuildConfig resource.
<i>timestamp</i>	<b>DateTime</b> The date and time when the API client performed the repository check.
<i>revision</i>	<b>String</b> The current revision of the associated repository (Git or Subversion).

### Output Parameters

---

None.

---

## GET /api/v1/build\_jobs/next

Returns the next new build job.

---

### Input Parameters

---

*build\_node\_uuid*                      **String** Specifies the UUID of the build node.

### Output Parameters

---

**Document** BuildJob resource, see "[BuildJob](#)" on page 74.

---

## PUT /api/v1/build\_jobs/<id>

Updates a build job with a specified ID.

### Input Parameters

---

*id*                                      **Integer** The identification number of the build job.

*status*                                **Integer** Optional. The status of the build job:

- 1 - running
- 2 - success
- 3 - failed

*build\_info[key]*                      **Dictionary** Optional. Adds any key to the build info field. Can be used to record information about the build environment. Keys can be nested as follows:  
build\_info[topkey][subkey]=value.

### Output Parameters

---

None.

---

## GET /api/v1/build\_jobs/<id>/inputfile/<role>

Returns the input file with the role that was specified for a build job with a specified ID.

### Input Parameters

---

<i>id</i>	<b>Integer</b> The identification number of the build job.
<i>role</i>	<b>String</b> The role that was specified for the build job.

### Output Parameters

---

**File** Input file with the role that was specified for the build job.

---

## POST /api/v1/build\_jobs/<id>/log\_entries

Creates a new log entry for a build job.

### Input Parameters

---

<i>id</i>	<b>Integer</b> Identification number of the build job.
<i>status</i>	<b>Integer</b> Checks the status of the build job. Can be: <ul style="list-style-type: none"><li>■ 1 - success</li><li>■ 2 - failed.</li></ul>
<i>command</i>	<b>String</b> The command that is executed by the build job.
<i>output</i>	<b>String</b> The output of the command.

### Output Parameters

---

None.

---

## POST /api/v1/build\_jobs/<id>/outputfile

Attaches an output file to a build job with a specified ID.

### Input Parameters

---

<i>id</i>	<b>Integer</b> The identification number of the build job.
<i>file</i>	<b>File</b> The file to be uploaded.
<i>role</i>	<b>String</b> The role of the output file.
<i>mimetype</i>	<b>String</b> Optional. The mimetype of the output file.

### Output Parameters

---

None.

---

## GET /api/v1/build\_jobs/<id>/outputfile/<role>

Returns the output file with the role that was specified for a build job with a specified ID.

### Input Parameters

---

<i>id</i>	<b>Integer</b> The identification number of the build job.
<i>role</i>	<b>String</b> The role that was specified for the build job.

### Output Parameters

---

**File** Output file with the role that was specified for the build job.

---

## GET /api/v1/build\_nodes

Returns all build nodes.

### Input Parameters

---

None.

### Output Parameters

---

**Document List** List of BuildNode resources, see ["BuildNode" on page 75](#).

## POST /api/v1/build\_nodes

---

Creates a new build node.

### Input Parameters

---

**Document** BuildNode resource, see ["BuildNode" on page 75](#).

### Output Parameters

---

**Document** BuildNode resource, see ["BuildNode" on page 75](#).

## GET /api/v1/build\_nodes/<id>

---

Returns a build node with a specified ID.

### Input Parameters

---

*id* **Integer** The identification number of the build node.

### Output Parameters

---

**Document** BuildNode resource, see ["BuildNode" on page 75](#).

## PUT /api/v1/build\_nodes/<id>

---

Updates a build node with a specified ID.





---

## GET /api/v1/certificates/<id>

Returns the code signing certificate with a specified ID.

### Input Parameters

---

*id* **Integer** The identification number of the code signing certificate.

### Output Parameters

---

**Document** Certificate resource, see "[Certificate](#)" on page 76.

---

## GET /api/v1/check\_credentials

Validates the provided user credentials (see "[Authentication](#)" on page 10).

### Input Parameters

---

None.

### Output Parameters

---

None.

---

## POST /api/v1/devices

Creates a device. On Android, returns a dictionary that contains the output parameters as listed below.

### Input Parameters

---

*device\_id* **String** The device identifier.

*manufacturer* **String** Optional. The name of the manufacturer.

<i>model</i>	<b>String</b> Optional. The device model.
<i>platform</i>	<b>String</b> The software platform of the device. Can be iOS or Android.
<i>pushToken</i> or <i>pushTokenBase64</i>	<b>String</b> Optional. An identification used to push messages to the device. <i>pushTokenBase64</i> is base64-encoded and recommended for iOS push tokens.

---

### Output Parameters

---

<i>deviceCert</i>	<b>String</b> (Android only) The PEM-encoded device certificate and key.
<i>deviceToken</i>	<b>String</b> (Android only) The device authentication token associated with this device.

---

## GET /api/v1/devices/<device\_id>

Returns information about a device.

---

### Input Parameters

---

<i>device_id</i>	<b>String</b> The device identifier.
------------------	--------------------------------------

---

### Output Parameters

---

Document Device resource, see "[Device](#)" on page 77.

---

## PUT /api/v1/devices/<device\_id>

Updates a device.

---

### Input Parameters

---

<i>device_id</i>	<b>String</b> The identifier of the device.
------------------	---

<i>managed</i>	<b>Boolean</b> Indicates whether the client will accept remote commands such as application installation or device lock and wipe. Can only be updated for Android clients. The default is <code>false</code> .
<i>platform_version</i>	<b>String</b> The platform version.
<i>pushToken</i> or <i>pushTokenBase64</i>	<b>String</b> An identification used to push messages to the device. <i>pushTokenBase64</i> is base64-encoded and recommended for iOS push tokens.

### Output Parameters

---

None.

## GET /api/v1/devices/<device\_id>/app/<product\_id>

Returns the status of an application with a specified ID on a device with a specified device identifier.

### Input Parameters

---

<i>device_id</i>	<b>String</b> The device identifier.
<i>product_id</i>	<b>Integer</b> The application identifier.

### Output Parameters

---

<i>version</i>	<b>Integer</b> The version number of the installed application (can be null).
<i>is_latest</i>	<b>Boolean</b> <code>True</code> if the installed version is the latest available version.
<i>status</i>	<b>String</b> Checks the status. Can be one of the following: <ul style="list-style-type: none"> <li>■ <code>installed</code> The application is installed.</li> <li>■ <code>install_pending</code> The installation of the application is pending.</li> <li>■ <code>removal_pending</code> The removal of the application is pending.</li> </ul>

- `installed_not_managed` The application was installed by the user but cannot be managed (removed etc.) by the device platform.
- `not_installed` The application is not installed. In this case, the parameters `version` and `latest` are not returned.

---

## PUT `/api/v1/devices/<device_id>/app/<product_id>`

Updates the status of an application with a specified ID on a device with a specified device identifier.

### Input Parameters

---

<code>product_id</code>	<b>String</b> The application identifier.
<code>device_id</code>	<b>String</b> The device identifier.
<code>version</code>	<b>Integer</b> The version number of the installed application (can be null).
<code>status</code>	<b>String</b> Checks the status. Can be one of the following: <ul style="list-style-type: none"> <li>■ <code>installed</code> The application is installed.</li> <li>■ <code>installed_not_managed</code> The application is installed on an unmanaged device.</li> <li>■ <code>not_installed</code> The application is not installed. In this case, the parameter <code>version</code> is not returned.</li> </ul>

### Output Parameters

---

None.

---

## POST `/api/v1/devices/<device_id>/app/<product_id>/install`

Marks an application with a specified ID for installation on a device with a specified device identifier.

---

### Input Parameters

---

<i>device_id</i>	<b>String</b> The device identifier.
<i>product_id</i>	<b>String</b> The application identifier.
<i>unstable</i>	<b>Boolean</b> Requests the latest unstable version if the user has permissions to download unstable versions. Otherwise, the latest stable version is returned. The default is <code>true</code> .

---

### Output Parameters

---

None.

---

## POST /api/v1/devices/<device\_id>/app/<product\_id>/remove

Marks an application with a specified ID for removal on a device with a specified device identifier.

---

### Input Parameters

---

<i>product_id</i>	<b>String</b> The application identifier.
<i>device_id</i>	<b>String</b> The device identifier.

---

### Output Parameters

---

None.

---

## GET /api/v1/devices/<device\_id>/installed\_apps

Returns a list of applications on a device with a specified device identifier.

---

### Input Parameters

---

<i>device_id</i>	<b>String</b> The device identifier.
------------------	--------------------------------------

---

## Output Parameters

---

<i>app</i>	<b>Document</b> Product resource, see " <a href="#">Product</a> " on page 78.
<i>version</i>	<b>Integer</b> The version number of the installed application (can be null).
<i>is_latest</i>	<b>Boolean</b> True if the installed version is the latest available version.
<i>status</i>	<b>String</b> Checks the status. Can be one of the following: <ul style="list-style-type: none"> <li>■ <code>installed</code> The application is installed.</li> <li>■ <code>install_pending</code> The installation of the application is pending.</li> <li>■ <code>removal_pending</code> The removal of the application is pending.</li> <li>■ <code>installed_not_managed</code> The application was installed by the user but cannot be managed (removed etc.) by the device platform.</li> </ul>

---

## GET /api/v1/devices/<device\_id>/ios\_mdm\_profile\_redirect

Returns a URL to redirect the user to the installation of an MDM profile for iOS.

### Input Parameters

---

<i>device_id</i>	<b>String</b> The device identifier.
------------------	--------------------------------------

### Output Parameters

---

<i>url</i>	<b>String</b> JSON key URL. Contains a single-use URL that points to an iOS configuration profile which may be opened in Mobile Safari for installation on the device.
------------	--

---

## GET /api/v1/devices/<device\_id>/updates

Returns a list of applications that have updates available on a device with a specified device identifier.

### Input Parameters

---

*device\_id* **String** The device identifier.

### Output Parameters

---

**Document List** List of Product resources, see "[Product](#)" on [page 78](#).

---

## GET /api/v1/ios\_provisioning\_profiles

Returns all iOS provisioning profiles.

### Input Parameters

---

None.

### Output Parameters

---

**Document List** List of IOSProvisioningProfile resources, see "[IOSProvisioningProfile](#)" on [page 77](#).

---

## GET /api/v1/ios\_provisioning\_profiles/<id>

Returns the iOS provisioning profile with a specified ID.

### Input Parameters

---

*id* **Integer** The identification number of the iOS provisioning profile.

### Output Parameters

---

**Document** `IOSProvisioningProfile` resource, see "[IOSProvisioningProfile](#)" on page 77.

## GET /api/v1/platforms

---

Returns a list of Platform resources.

### Input Parameters

---

None.

### Output Parameters

---

**Document List** List of Platform resources, see "[Platform](#)" on page 78.

## GET /api/v1/platforms/<id>

---

Returns the details of a Platform resource.

### Input Parameters

---

*id* **Integer** Identification number of the Platform resource.

### Output Parameters

---

**Document** Platform resource, see "[Platform](#)" on page 78.

## GET /api/v1/product\_stages

---

Returns a list of product stages.



### Input Parameters

---

None.

### Output Parameters

---

**Document List** ProductStage resource, see "[ProductStage](#)" on page 80.

---

## POST /api/v1/product\_stages

Creates a new product stage.

### Input Parameters

---

*product\_stage* **Document** ProductStage resource, see "[ProductStage](#)" on page 80.

### Output Parameters

---

None.

---

## GET /api/v1/product\_stages/<id>

Returns the details of a product stage with a specified ID.

### Input Parameters

---

*id* **Integer** The identification number of the product stage.

### Output Parameters

---

**Document** ProductStage resource, see "[ProductStage](#)" on page 80.

---

## PUT /api/v1/product\_stages/<id>

Edits the fields of a product stage with a specified ID.

### Input Parameters

---

*id* **Integer** The identification number of the product stage.

### Output Parameters

---

**Document** ProductStage resource, see "[ProductStage](#)" on [page 80](#).

---

## DELETE /api/v1/product\_stages/<id>

Deletes a product stage with a specified ID.

### Input Parameters

---

*id* **Integer** The identification number of the product stage.

### Output Parameters

---

None.

---

## GET /api/v1/resources/objects/<sha1>

Returns a resource with a specified SHA1 checksum.

### Input Parameters

---

*sha1* **Integer** The SHA1 checksum of the resource.

### Output Parameters

---

**File** Binary file.

---

## GET /api/v1/resources/refs/<bundle\_id>

Returns a reference XML for the latest manifest of an application that is associated with a specified bundle ID.

### Input Parameters

---

*bundle\_id*                      **Integer** The bundle identification number of the application.

### Output Parameters

---

**File** XML reference file of the latest manifest.

---

## GET /api/v1/siteicon

Returns the site's company logo in form of a 34px PNG file.

### Input Parameters

---

None.

### Output Parameters

---

**Image** PNG file of site icon.

### Usage Notes

The `Accept: application/json` HTTP header or the `.json` path extension must not be used with this REST request.

---

## GET /api/v1/tos

Returns the current terms of service for the site.

### Input Parameters

---

None.

### Output Parameters

---

*tos* **String** A user-defined text that needs to be accepted by the users of Mobile Administrator before they can use it.

## PUT /api/v1/tos/accept

---

Accepts the current terms of service for the authenticated user.

### Input Parameters

---

None.

### Output Parameters

---

None.

## POST /api/v1/users

---

Creates a new user.

### Input Parameters

---

**Document** User resource, see "[User](#)" on page 84.

### Output Parameters

---

**Document** User resource, see "[User](#)" on page 84.

## GET /api/v1/users/<user\_id>

---

Returns details of a user with a specified ID.

**Input Parameters**

---

*user\_id*                      **String** The user identifier.

**Output Parameters**

---

**Document** User resource, see "[User](#)" on page 84.

---

**PUT /api/v1/users/<user\_id>**

Edits the fields of a user with a specified ID.

**Input Parameters**

---

*user\_id*                      **String** The user identifier.

**Document** User resource, see "[User](#)" on page 84.

**Output Parameters**

---

None.

---

**DELETE /api/v1/users/<user\_id>**

Deletes a user with a specified ID.

**Input Parameters**

---

*user\_id*                      **String** The user identifier.

**Output Parameters**

---

None.

---

## GET /api/v1/users/<user\_id>/products

Returns a list of all permissions for each assigned application of a user with a specified ID.

### Input Parameters

---

*user\_id* **String** The user identifier.

### Output Parameters

---

**Document List** List of ProductUser resources, see ["ProductUser" on page 81](#).

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---

## BuildConfig

Instances of the BuildConfig resource represent configurations needed to generate an executable file of a product.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the BuildConfig resource.
<i>xcode_schema_name</i>	<b>String</b> Optional, for iOS. Name of a schema in iOS or MacOS projects that is run through a build.
<i>increment_build_number</i>	<b>Boolean</b> Optional. Indicates whether the build number should be incremented by 1. The default is <code>false</code> .
<i>wmmd_enabled</i>	<b>Boolean</b> Optional, for webMethods Mobile Designer. Indicates whether webMethods Mobile Designer build is enabled. Set to 1 to enable webMethods designer build.
<i>wmmd_target_name</i>	<b>String</b> Optional, for webMethods Mobile Designer. The name of the webMethods Designer target.
<i>wmmd_sdk_version</i>	<b>String</b> Optional, for webMethods Mobile Designer. The version of webMethods Mobile Designer.
<i>sdk_version</i>	<b>String</b> Optional, for iOS. Indicates which iOS SDK should be used.
<i>wmmd_retain_intermediate_build_files</i>	<b>Boolean</b> Optional, for webMethods Mobile Designer. Indicates whether a copy of webMethods Mobile Designer intermediate files is stored. Set to 1 to store a copy of the webMethods Mobile Designer intermediate files.



<i>app_policies</i>	<p><b>Dictionary</b> Optional. A dictionary that contains policy flags for the application. Can contain the following fields:</p> <ul style="list-style-type: none"><li>■ <code>requires_authentication</code></li><li>■ <code>should_report_crashes</code></li><li>■ <code>register_push_notifications</code></li><li>■ <code>disallow_copy_paste</code></li><li>■ <code>disallow_itunes_filesharing</code></li><li>■ <code>disallow_jailbreak</code></li><li>■ <code>should_log_launch</code></li></ul>
<i>scheduled</i>	<p><b>Integer</b> Optional. Specifies how many minutes after midnight the build job is automatically started.</p>
<i>next_scheduled_at</i>	<p><b>DateTime</b> Read-only. Specifies the date and time on which the next build run is started. This value is calculated automatically from the <i>scheduled</i> parameter and cannot be modified.</p>
<i>path</i>	<p><b>String</b> Optional. The path of the build manifest. The default is <code>"/"</code>.</p>
<i>override_app_name</i>	<p><b>Boolean</b> Optional. Indicates whether the native application name should be overwritten by the application name of Mobile Administrator. The default is <code>false</code>.</p>
<i>override_app_icon</i>	<p><b>Boolean</b> Optional. Indicates whether the native application icon should be overwritten by the application icon of Mobile Administrator. The default is <code>false</code>.</p>
<i>run_tests</i>	<p><b>Boolean</b> Optional. Indicates whether any test should be executed by the build job. The default is <code>false</code>.</p>
<i>parameters</i>	<p><b>String</b> Optional. Comma separated list of <code>key=value</code> pairs.</p>

---

## BuildJob

Instances of the BuildJob resource represent programmes that generate from source code an executable file. A build job runs on a build node and needs a build configuration.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the BuildJob resource.
<i>status</i>	<b>Integer</b> Checks the status of the build job. Can be: <ul style="list-style-type: none"><li>■ 0 - new</li><li>■ 1 - running</li><li>■ 2 - success</li><li>■ 3 - error</li><li>■ 99 - initializing.</li></ul> The default is 0.
<i>version</i>	<b>String</b> The version of the software the build job is going to build.
<i>build_number</i>	<b>Integer</b> The build number of the software the build job is going to build.
<i>launched_by_user_id</i>	<b>Integer</b> Optional. Identification number of the user who launched the build job.
<i>build_info</i>	<b>String</b> Optional. A dictionary containing information about the build job.
<i>queue_name</i>	<b>String</b> Optional. A build node supports various SDKs and SDK versions. The queue name specifies which SDK and SDK version is needed. Example: <code>build-ios-any</code> or <code>build-ios-5.1</code> .
<i>product_version_id</i>	<b>Integer</b> Identification number of a product version.
<i>build_node_id</i>	<b>Integer</b> Optional. Identification number of a build node.

---

## BuildNode

Instances of the BuildNode resource represent programs that execute build jobs and generate from source code an executable file of a product.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the BuildNode resource.
<i>uuid</i>	<b>String</b> Unique identifier of the build node.
<i>hostname</i>	<b>String</b> Optional. The host name of the computer on which the build node is running.
<i>ip_internal</i>	<b>String</b> Optional. The internal IP of the computer on which the build node is running.
<i>ip_external</i>	<b>String</b> Optional. The external IP of the computer on which the build node is running.
<i>jobs_failed</i>	<b>Integer</b> The number of jobs that failed.
<i>jobs_processed</i>	<b>Integer</b> The number of jobs that were processed on the build node.
<i>available_to_all</i>	<b>Boolean</b> Optional. Indicates whether the build node is available to all users. The default is <code>true</code> .
<i>status</i>	<b>String</b> The status of the build node. Can be <code>online</code> or <code>offline</code> .
<i>last_active_at</i>	<b>DateTime</b> Optional. The date and time on which the last build job was processed.
<i>version</i>	<b>String</b> Optional. The version of the build node.
<i>last_seen</i>	<b>DateTime</b> Optional. The date and time on which the build node was last seen by the backend.

---

## Certificate

Instances of the Certificate resource represent X.509 certificates, optionally combined with an associated X.509 private key.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the Certificate resource.
<i>certificate_pem</i>	<b>String</b> Read-only. A PEM-encoded representation of the private key and certificate.
<i>content_flags</i>	<b>Integer</b> Read-only. A bitmask indicating the content of this resource. <ul style="list-style-type: none"><li>■ * bit 1 Set if the resource contains a private key.</li><li>■ * bit 2 Set if the resource contains a certificate.</li></ul>
<i>valid_until</i>	<b>DateTime</b> Read-only. The expiration date of the certificate.
<i>fingerprint</i>	<b>String</b> Read-only. The fingerprint of the certificate.
<i>cn</i>	<b>String</b> Read-only. The subject common name date of the certificate.
<i>is_developer_certificate</i>	<b>Boolean</b> Read-only. <code>True</code> if the certificate can be used for code signing of applications. The default is <code>false</code> .

---

## Comment

Instances of the Comment resource represent a comment by a user. Comments can be associated with Product resources or with specific ProductVersions of a Product.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the Comment resource.
<i>title</i>	<b>String</b> Optional. The title of the comment.

<i>comment</i>	<b>String</b> The body of the comment.
<i>username</i>	<b>String</b> Read-only. The name of the user who submitted the comment.

---

## Device

Instances of the Device resource represent a mobile device that is managed by Mobile Administrator.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the Device resource.
<i>last_seen</i>	<b>DateTime</b> The date and time of the last communication between device and backend.
<i>platform</i>	<b>String</b> The software platform of the device.
<i>platform_version</i>	<b>String</b> The platform version.
<i>device_id</i>	<b>String</b> The device identifier.
<i>device_model_id</i>	<b>Integer</b> The identification number of the device model.
<i>managed</i>	<b>Boolean</b> Indicates whether the device is managed by the backend. The default is <code>false</code> .

---

## IOSProvisioningProfile

Instances of the IOSProvisioningProfile resource represent Apple iOS provisioning profiles, a resource required for signing iOS applications.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the IOSProvisioningProfile resource.
-----------	--

<i>name</i>	<b>String</b> Read-only. The name used to identify the provisioning profile.
<i>expires</i>	<b>DateTime</b> Read-only. The expiration date of the provisioning profile.
<i>bundle_id</i>	<b>String</b> Read-only. The iOS bundle identification number (possibly including wildcard) of the provisioning profile.
<i>uuid</i>	<b>String</b> Read-only. The UUID of this provisioning profile.
<i>certificate</i>	<b>String</b> Optional, read-only. A PEM-encoded representation of the private key and certificate associated with the provisioning profile.
<i>ios_provisioning_profile_base64</i>	<b>String</b> Optional, read-only. A Base64-encoded representation of the provisioning profile file.

---

## Platform

Instances of the Platform resource represent a target platform of the mobile apps and devices managed by Mobile Administrator.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the Platform resource.
<i>name</i>	<b>String</b> Read-only. The name of the platform (for example, iOS).

---

## Product

Instances of the Product resource represent mobile applications that are managed by Mobile Administrator.

### Attributes

---

<i>contact_email</i>	<b>String</b> Optional. The contact email.
----------------------	--

---

<i>contact_name</i>	<b>String</b> Optional. The contact name.
<i>copyright_notice</i>	<b>String</b> Optional. The copyright notice.
<i>description</i>	<b>String</b> Optional. A detailed description of the application.
<i>hidden_from_appstore</i>	<b>Boolean</b> Indicates whether the Product resource is hidden from the enterprise app store. The default is <code>false</code> .
<i>icon</i>	<b>String</b> The relative URL to the icon of the application.
<i>identifier</i>	<b>String</b> The identifier of the application.
<i>info</i>	<b>String</b> Optional. JSON dictionary that can contain various information.
<i>keywords</i>	<b>String List</b> The list of product keywords.
<i>latest_version</i>	<b>String</b> The latest version of the product.
<i>managed_devices_only</i>	<b>Boolean</b> Optional. Indicates whether the application is available only on managed devices. The default is <code>false</code> .
<i>name</i>	<b>String</b> The name of the application.
<i>platforms</i>	<b>String List</b> The list of platform resources.
<i>product_category_id</i>	<b>Integer</b> The identification number of the product category.
<i>public_downloads</i>	<b>Boolean</b> Indicates whether the Product resource is available for public (anonymous) download. The default is <code>false</code> .
<i>screenshots</i>	<b>String List</b> A list that contains relative URLs to the screenshots of the application.
<i>short_description</i>	<b>String</b> A brief description of the application for display on mobile clients.

---

## ProductCategory

Instances of the ProductCategory resource represent categories that can be used to organize mobile applications (Products).

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the ProductCategory resource.
<i>bg_color</i>	<b>String</b> Optional. Background color of the category.
<i>custom_order</i>	<b>Integer</b> Optional. Number that indicates the custom ordering. The lowest number is 0.
<i>description</i>	<b>String</b> Optional. A brief description of the category.
<i>name</i>	<b>String</b> The name of the category.
<i>icon</i>	<b>String</b> Optional, read-only. The URL of the associated icon image resource (relative to the request URL).
<i>teaser</i>	<b>String</b> Optional, read-only. The URL of the associated teaser image resource (relative to the request URL).
<i>teaser_height</i>	<b>Integer</b> Optional. The height of an attached teaser image.
<i>teaser_width</i>	<b>Integer</b> Optional. The width of an attached teaser image.

---

## ProductStage

Instances of the ProductStage resource represent global product stages that are associated with product versions.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the ProductStage resource.
-----------	--



---

<i>name</i>	<b>String</b> The name of the product stage.
<i>stable</i>	<b>Boolean</b> Indicates whether the product stage is stable. The default is <code>true</code> .

---

## ProductUser

Instances of the ProductUser resource represent a relationship between Product and User instances. They are used to define user access rights for a mobile application.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the ProductUser resource.
<i>can_view</i>	<b>Boolean</b> Optional. May browse and download the application. The default is <code>true</code> .
<i>can_view_unstable</i>	<b>Boolean</b> Optional. May download versions of the application that are marked as unstable. The default is <code>false</code> .
<i>can_view_stats</i>	<b>Boolean</b> Optional. May view and download the application's usage and download statistics, and customer or user reviews. The default is <code>false</code> .
<i>can_edit_metadata</i>	<b>Boolean</b> Optional. May edit application metadata such as the application's description, icon and screenshots, as well as platform-specific metadata like bundle or package identification numbers and vendor app store links. The default is <code>false</code> .
<i>can_manage_versions</i>	<b>Boolean</b> Optional. May add and remove versions of the application, upload binaries, edit version release notes, and mark versions as stable or unstable. The default is <code>false</code> .
<i>can_manage_resources</i>	<b>Boolean</b> Optional. May create and update resource manifests used by the application. The default is <code>false</code> .

---

<i>can_manage_devices</i>	<b>Boolean</b> Optional. May trigger installation and removal of the application on managed devices. The default is <code>false</code> .
<i>can_manage_builds</i>	<b>Boolean</b> Optional. May create and update build configurations, build jobs, source code repositories, and provisioning profiles. The default is <code>false</code> .
<i>can_manage_permissions</i>	<b>Boolean</b> Optional. May add and remove user permissions for the application. The default is <code>false</code> .

---

## ProductVersion

Instances of the ProductVersion resource represent individual versions of a mobile application (Product).

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the ProductVersion resource.
<i>name</i>	<b>String</b> The name of the product.
<i>build_number</i>	<b>Integer</b> The build number of the product.
<i>release_notes</i>	<b>String</b> Optional. The release notes of the product.
<i>stable</i>	<b>Boolean</b> Optional, read-only. Indicates whether the product version is stable. The default is <code>true</code> .
<i>ignore_crashlogs</i>	<b>Boolean</b> Optional. Indicates whether crashlogs should be ignored. The default is <code>false</code> .
<i>version_order</i>	<b>Integer</b> Optional. The version order of the product.
<i>tags</i>	<b>String</b> Optional. A comma separated list of tags.

---

## PushDevice

Instances of the PushDevice resource represent a target device for a PushNotification resource.

---

## Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the PushDevice resource.
<i>product_id</i>	<b>String</b> The ID of the Product resource that this PushDevice is associated with, see <a href="#">"Product" on page 78</a> .
<i>push_platform_type</i>	<b>String</b> The type of the target push platform; one of APNS, GCM or MPNS.
One of the following:	
<i>pushTokenHex</i>	<b>String</b> iOS deviceToken in Hex format (when <i>push_platform_type</i> is APNS).
<i>registrationId</i>	<b>String</b> Android GCM registrationId (when <i>push_platform_type</i> is GCM).
<i>mpns_uri</i>	<b>String</b> Microsoft Push Notification Service URI endpoint (when <i>push_platform_type</i> is MPNS).

---

## PushDeviceGroup

Instances of the PushDeviceGroup resource represent a group of PushDevice resources. When a PushNotification is sent to a PushDeviceGroup, it is delivered to all PushDevices in this group.

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the PushDeviceGroup resource.
<i>product_id</i>	<b>String</b> The ID of the Product resource, see <a href="#">"Product" on page 78</a> .
<i>name</i>	<b>String</b> The user-defined name of the device group.
<i>device_count</i>	<b>Integer</b> Read-only. The number of PushDevice resources associated with the device group.

---

## PushNotification

Instances of the PushNotification resource represent a message (notification) that is delivered through one or more mobile devices through the push notification services of the mobile platform vendors (Apple, Google, Microsoft).

### Attributes

---

<i>id</i>	<b>Integer</b> The identification number of the PushNotification resource.
<i>push_platform_type</i>	<b>String</b> The type of the target push platform; one of APNS, GCM or MPNS.
<i>push_device_group_id</i>	<b>Integer</b> The ID of the PushDeviceGroup resource associated with this push notification (if the push notification is sent to a group of devices, not a specific device), see " <a href="#">PushDeviceGroup</a> " on page 83.
<i>payload</i>	<b>Object</b> The various parameters (message, sound, etc.) of the push notification.

If the push notification is sent to a specific device, one of the following:

<i>pushTokenHex</i>	<b>String</b> iOS deviceToken in Hex format (when <i>push_platform_type</i> is APNS).
<i>registrationId</i>	<b>String</b> Android GCM registrationId (when <i>push_platform_type</i> is GCM).
<i>mpns_uri</i>	<b>String</b> Microsoft Push Notification Service URI endpoint (when <i>push_platform_type</i> is MPNS).

---

## User

Instances of the User resource represent the user accounts of a Mobile Administrator instance.

---

**Attributes**

---

<i>id</i>	<b>Integer</b> The identification number of the User resource.
<i>username</i>	<b>String</b> The name of the user and the slug.
<i>email</i>	<b>String</b> The email address of the user.
<i>is_local</i>	<b>Boolean</b> Optional. Indicates whether the user is a user in the local database or from LDAP. The default is <code>false</code> .
<i>active</i>	<b>Boolean</b> Optional. Indicates whether the user can log on to the product. The default is <code>true</code> .
<i>can_create_apps</i>	<b>Boolean</b> Optional. May add new applications (the user is granted all application-specific permissions for the newly created application). The default is <code>false</code> .
<i>can_manage_apps</i>	<b>Boolean</b> Optional. May manage applications. This includes all application-specific permissions for all applications. The default is <code>false</code> .
<i>can_manage_policies</i>	<b>Boolean</b> Optional. May create and remove device policies. The default is <code>false</code> .
<i>can_assign_policies</i>	<b>Boolean</b> Optional. May assign existing device policies to devices. The default is <code>false</code> .
<i>can_manage_devices</i>	<b>Boolean</b> Optional. May organize and remove managed devices. The default is <code>false</code> .
<i>can_wipe_devices</i>	<b>Boolean</b> Optional. May remotely wipe managed devices. The default is <code>false</code> .
<i>can_manage_users</i>	<b>Boolean</b> Optional. May manage local users and user groups on this site. The default is <code>false</code> .
<i>can_manage_admins</i>	<b>Boolean</b> Optional. May assign site administrator permissions to users (from the list of permissions). The default is <code>false</code> .

<i>can_manage_site</i>	<b>Boolean</b> Optional. May edit site information, such as domain names, certificates, and licenses. The default is <code>false</code> .
<i>can_manage_sites</i>	<b>Boolean</b> Optional. May manage all sites of this instance. The default is <code>false</code> .