API Documentation

Version	Date	Comments
0.9	01-Oct-2013	RegisterDevice
1.0	30-Oct-2013	UnregisterDevice, CreateNotification
1.1	14-Nov-2013	Added callbacks for Register device and Unregister device. Added methods: GetDeviceNotifications, SetDeviceWithCustomId
1.2	24-Nov-2013	Added methods : GetAppUsersForApp Added PlatformFeatures for notifications Modified methods: CreateNotification now returns Id, customId added to Register and Unregister device, sending notification with DeviceId is now available
1.2.1	05-Dec-2013	Improvements in CreateNotification, added the option to send by DeviceIds array and added more comments

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General

- Base URL for all methods is : https://ws.pushapps.mobi
- For code samples and more documentation please visit our GitHub repository: https://github.com/PushAppsService/PushAppsSDK

Request Object

- All requests are HTTP POST
- All request body is a JSON formatted string of the parameters
- All request parameters are mandatory unless explicitly marked as [optional]
- All requests must have the SecretToken parameter which is obtained from the PushApps system

Response Object

- All response are in JSON format, with 3 objects:
  - Code (int) - one of our Status codes
  - Message (String)- message explaining the code
  - Data (Object)– optional, for some methods
- Example:

```
{
  "Code": 100,
  "Message": "OK"
}
```

Enums

DeviceType

Name	Value
Android	1
iOS	2

Objects

Device

Name	Type
PushToken	string
DeviceId	String
DeviceType	DeviceType

PlatformFeatures

Name	Type
AndroidTitle	string
AndroidSound	String (if not supplied, sound will be the device default sound)
iOSBadge	int
iOSSound	String (if not supplied, sound will be silent)

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Methods

1. RegisterDevice

Register a specific device in the system

Request

Method	URL
POST	RemoteAPI/RegisterDevice

Request Parameters	Values	Description
SecretToken	string	The token received from PushApps for using the Remote API
PushToken	string	The token received from Google or Apple by the device
DeviceId	string	A unique string within this app to identify this device. Could be the IMEI in Android for example or UDID on iOS
DeviceType	DeviceType	The mobile platform
OSVersion	string [optional]	This device operating system version
SDKVersion	string [optional]	Pushapps sdk version
DeviceDescription	string [optional]	The hardware of the device, i.e "iPhone 5"
AppVersion	string [optional]	This app current version
CustomId	string [optional]	Custom id that represents the device.

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Request Example

```json
{
    "SecretToken": "YOUR SECRET TOKEN",
    "PushToken": "some push token",
    "DeviceId":  "79848",
    "CustomId":  "nbf674m79gd83db",
    "DeviceType": 2,
    "OSVersion": "7.1",
    "DeviceDescription": "iPhone 5s",
    "SDKVersion": "1",
    "AppVersion" : "3.1.3"
}
```

Available Status Codes

Status	Message
100	OK
101	One parameter at least is missing or wrong
102	The input is not well formatted
200	You are not authorized for this action, please check the credentials again or contact support
900	There has been a service error

2. UnregisterDevice

Unregister a specific device in the system, using the device id supplied when it was registered

Request

Method	URL
POST	RemoteAPI/UnregisterDevice

Request Parameters	Values	Description
DeviceId	String [optional]	The same device id this device use for the RegisterDevice method. Otherwise this method will not affect any device registration. Can be choose by either DeviceId or CustomId
CustomId	String [optional]	Custom id that will represent the device in other methods such as statistics and the push itself. Can be choose by either DeviceId or CustomId

Request Example

{
    "SecretToken": "YOUR SECRET TOKEN",
    "DeviceId": "79848",
    "CustomId": "dida14671vbhg"
}

Available Statues

Status	Message
100	OK
101	One parameter at least is missing or wrong
102	The input is not well formatted
109	The requested device does not exist
200	You are not authorized for this action, please check the credentials again or contact support
900	There has been a service error

3. CreateNotification

Creates an immediate notification in the system, for all the devices registered for this app, or by platforms, or for an array of devices.

Request

Method	URL
POST	RemoteAPI/CreateNotification

Request Parameters	Values	Description
SecretToken	string	The token received from PushApps for using the Remote API
Message	string	The content of the message
Link	String [optional]	If exists the client will open a browser with the URL specified here
Platforms	Array of DeviceType[optional]	The platforms this notification will be sent to. If not set or empty the notification will be sent to all platforms

PlatformFeatures	PlatformFeatures [optional]	This parameter is optional and also each field inside it is optional. IOSProduction default value is false.
CustomJsonKey	String [optional]	The key in the data object received in the push notification. If you supply a CustomJsonKey you must supply the CustomJson as well
CustomJson	JSON formatted string [optional]	see above
Devices	Array of Device [optional]	If not supplied or empty, the notification will be sent to all available devices according to the selected platforms
DeviceIds	Array of String [optional]	If supplied, message will be delivered to supplied deviceIds. Cannot be supplied with CustomIds.
CustomIds	Array of String [optional]	If supplied, message will be delivered to supplied CustomIds. Cannot be supplied with DeviceIds.
Id	Int [optional]	If provided, insert notification to Id. It is needed to use when trying to send more than our cap, which now stands on 10,000 custom users per request. Id provided in the response of every create notification request. Id received when sending notification.

Request Example

```
{
    "SecretToken": " YOUR SECRET TOKEN ",
    "Message": "hello world",
    "Link": "http://pushapps.mobi",
    "Type": 1,
    "Platforms": [],
    "IsProduction": false,
```

```json
    "PlatformFeatures": {
        "AndroidTitle": "some android Title",
        "iOSBadge": 1
    },
    "CustomJsonKey": "myKey",
    "CustomJson": {
        "someKey": "someVal"
    },
    "Devices": [
        {
            "PushToken": "APA91bE1ta3vuTW63-pDxpb8YOLWdw846XD5EprodjCAOHg3dx-GDTc-
UvrarmtoYZpgqMAVIbLv-CPIuemg2P42edeKqb4rIq-HhViU2kGeW5qWEMitcE83qn-
rIy4Lnzu7GclKdc5nhJLHqTwy8m0fkBMfF1zGpc1ME_gisIS_t25muUJDCPY",
            "DeviceType": 1
        },
        {
            "PushToken":
"c3b24fdc7b7a6a449e2f7c4b311c62cd0189378a4774519ae3c1c0f5dde532a4",
            "DeviceType": 2
        }
    ],
    "DeviceIds": [
        "359372043909118"
    ]
}
```

Response Example

```json
{
  "Code": 100,
  "Message": "OK",
  "Data": {
    "Id": 3760
  }
}
```

Available Statues

Status	Message
100	OK

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101	One parameter at least is missing or wrong
102	The input is not well formatted
103	The .P12 file needed to complete the operation wasn't found. Please check for active .P12 file for your gateway.
104	Cannot sent notification to application without users
105	iOS payload is too large
106	Application does not have any components
110	Android device is not yet configured for this app
113	Sending notification with custom parameters is limited to 10,000 users. Use provided Id to insert maximum of 10,000 users per request
116	You provided more than 1 option to send notification. Please choose only 1.
200	You are not authorized for this action, please check the credentials again or contact support
900	There has been a service error

4.GetDeviceNotifications

Gets all notification that were sent to a specific device by either DeviceId or by CustomId.

Request

Method	URL
POST	RemoteAPI/GetNotificationsForDevice

Request Parameters	Values	Description
SecretToken	string	The token received from PushApps for using the Remote API

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Amount	Int [optional]	Amount of the notifications returned, if not sent returns max amount of notifications which is equal to 1000.
Index	int [optional]	If exists, returns a response from the given index. If not supplied, returns from the first index. Zero based.
DeviceId	string	The device id exists in our system for a specific device which is set when device is registering. It is optional to send DeviceId if sending CustomId instead or in addition
CustomId	string	Custom Id that the manager set to a specific device. It is optional to send CustomId if sending DeviceId or in addition. If CustomId is sent with Device Id, CustomId will be the first one to be checked.

Request Example

```
{
    "SecretToken": " YOUR SECRET TOKEN ",
    "Amount": 3,
    "Index": 0,
    "DeviceId": " SOME DEVICE ID IN THE SAME APPLICATION",
    "CustomId": " SOME DEVICE CUMSTOM ID IN THE SAME APPLICATION"
}
```

Response Example

```
{
    "Code": 100,
    "Message": "OK",
    "Data": {
        "Index": 3,
        "HasMore": true,
```

```
     "Notifications": [
         {
             "Date": "2013-10-15T13:29:40Z",
             "Message": "Hello World!",
             "Status": 4
         },
         {
             "Date": "2013-10-16T16:38:29Z",
             "Message": "This is my message",
             "Status": 3
         },
         {
             "Date": "2013-10-17T08:12:40Z",
             "Message": "Hello World!",
             "Status": 3
         }
     ]
   }
}
```

Available Status Codes

Status	Message
100	OK
101	One parameter at least is missing or wrong
102	The input is not well formatted
111	Device's CustomId is too large, Limited to 100 chars.
200	You are not authorized for this action, please check the credentials again or contact support
900	There has been a service error

5.SetDeviceWithCustomId

Sets a custom id for a specific device. This used for future analysis and fetching data
 (i.e : GetDevicesNotifications).

Request

Method	URL

POST	RemoteAPI/SetDeviceWithCustomId

Request Parameters	Values	Description
SecretToken	string	The token received from PushApps for using the Remote API
DeviceId	string	The device id exists in our system for a specific device which is set when device is registering.
CustomId	string	Custom Id that the manager set to a specific device and will be used for various actions on the application's devices.

Request Example
| ```
{
    "SecretToken": " YOUR SECRET TOKEN ",
    "DeviceId": " SOME DEVICE ID IN THE SAME APPLICATION",
    "CustomId": " SOME DEVICE CUMSTOM ID IN THE SAME APPLICATION"
}
``` |

Available Status Codes

Status	Message
100	OK
101	One parameter at least is missing or wrong
102	The input is not well formatted
109	The requested device does not exist

111	Device's CustomId is too large, Limited to 100 chars.
200	You are not authorized for this action, please check the credentials again or contact support
900	There has been a service error

6.GetAppUsersForApp

Gets all app users for application either by their mobile type or all of them.

Request

Method	URL
POST	RemoteAPI/GetAppUsersForApp

Request Parameters	Values	Description
SecretToken	string	The token received from PushApps for using the Remote API
Amount	Int [optional]	Amount of the users returned, if not sent returns max amount of users which is equal to 1000.
Index	int [optional]	If exists, returns a response from the given index. If not supplied, returns from the first index. Zero based.
DeviceTypes	List<Enum MobileType> [optional]	If supplied, return users of the type contained within the supplied list, if not supplied returns all users regarding their mobile type.

Request Example

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```
{
    "SecretToken": " YOUR SECRET TOKEN ",
    "Amount": 3,
    "Index": 0,
    "DeviceTypes": [
        2
    ]
}
```

Response Example

```
{
  "Code": 100,
  "Message": "OK",
  "Data": {
    "Index": 2,
    "HasMore": false,
    "Devices": [
      {
        "PushToken": "cd0189378a4774519ae3c1c1j9dde532a4",
        "DeviceId": "2C18D56E-4E18-42C5-8771-2g27E464A358",
        "CustomId": "511",
        "DeviceType": 2,
        "TimeZone": 0
      },
      {
        "PushToken": "b8b37b6ee2039e36774d2aa2651674f430ac571a4085d",
        "DeviceId": "92B06DB6-A3DE-4C99-8D02-37C9FA59C825",
        "CustomId": "1404",
        "DeviceType": 2,
        "TimeZone": 0
      }
    ]
  }
}
```

Available Status Codes

Status	Message
100	OK
101	One parameter at least is missing or wrong
102	The input is not well formatted

200	You are not authorized for this action, please check the credentials again or contact support
900	There has been a service error

Callbacks

General

- You can supply a callback URL through the admin console to listen for the following events in the system:
  - A device registration.
  - A device
- The request and response objects are similar to the methods object. There is another parameter called "Cmd" which indicates which event was fired

1. Device registered

Fired every time a device was registered into the system using the SDK.
Notice – this is fired every time the SDK is loaded, not only for the first time.
The parameters are equal to those being sent from the device.

Event name for the Cmd parameter: **DeviceRegistered**

Request

Request Parameters	Values	Description
SecretToken	string	The token received from PushApps for using the Remote API. Used for you for authentication
Cmd	Register	The event name which was fired. Needs to be DeviceRegistered for this event
PushToken	string	The token received from Google or Apple by the device

DeviceId	string	A unique string within this app to identify this device. Could be the IMEI in Android for example or UDID on iOS
DeviceType	DeviceType	The mobile platform
OSVersion	string [optional]	This device operating system version
SDKVersion	string [optional]	PushApps sdk version
DeviceDescription	string [optional]	The hardware of the device, i.e "iPhone 5"
AppVersion	string [optional]	This app current version
TimeZone	Int [optional]	in minutes from UTC

Request Example

```
{
    "SecretToken": "YOUR SECRET TOKEN",
    "Cmd" : "DeviceUnregistered",
    "PushToken": "some push token",
    "DeviceId":  "79848",
    "DeviceType": 2,
    "OSVersion": "7.1",
    "DeviceDescription": "iPhone 5s",
    "SDKVersion": "1",
    "AppVersion" : "3.1.3",
    "TimeZone" : 240
}
```

2. Device unregistered

Fired when device removed the option to receive notifications - through the SDK.

Event name for the Cmd parameter: **DeviceUnregistered**

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Request

Request Parameters	Values	Description
SecretToken	string	The token received from PushApps for using the Remote API. Used for you for authentication
Cmd	string	The name of the event fired. Needs to be DeviceUnregistered for this event
DeviceId	string	A unique string within this app to identify this device. Could be the IMEI in Android for example or UDID on iOS

Request Example
| ```
{
    "SecretToken": "YOUR SECRET TOKEN",
    "Cmd" : "DeviceUnregistered",
    "DeviceId":  "79848"
}
``` |