# Neato SmartApps WordPress Integration

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| 08/05/2014 | 0.1 | Moved this section out of the Setup document |

# Summary

This document explains how to integrate the Neato SmartApps server application to use a WordPress instance data base for user management. If you enable this integration, the SmartApps backend no longer maintains the complete user object. Instead, it leverages WordPress to do the user registration and authentication, and uses the WordPress admin console for user management.

NOTE: This feature is not fully tested. While the initial design and abstraction is in place, please review and test before deploying.

# Assumptions

This document assumes that you have already followed the SmartApps.Server.Setup.docx and have the SmartApps backend up and running. It also assumes basic familiarity with WordPress plugins.

# WordPress Integration

The SmartApps server has its own built-in user management module. However, it provides an option to integrate with an external WordPress user database. This configuration allows the SmartApps server to use the same user database that is part of the Neato Robotics website (<http://www.neatorobotics.com>) – hereafter referred to as the Neato “CORP” website (the CORP website is built using WordPress). Using this mechanism, a user can log into the SmartApps server using credentials from an account created in the CORP website.

If you want to setup a fresh WordPress installation and configure it to work with the SmartApps server, do the following steps:

* Download and unzip the latest version of WordPress inside a folder (let's say inside a folder named wp)
* Move wp folder inside /var/www directory depending upon on Linux operating system
* Open your favorite browser and browse to <http://localhost/wp> and follow the WordPress installation steps. These steps would ask you to create a database and would create a sample WordPress site along with WordPress admin user account.

At this stage either you have a fresh WordPress installed or you have an existing instance of WordPress running. In order to enable the RESTful APIs for WordPress, there is a standard plugin json-api is available. This plugin is committed in the SmartApp code repository (/var/www/server/WordPress-connector/json-api)

* Copy the json-api folder, and paste it inside wp/wp-content/plugins folder
* Login as WordPress admin on <http://localhost/wp/wp-login.php> and click on plugin link in the left menu.
* It would display all the available plugins. It would also display this newly added json-api plugin. Enable this plugin so that WordPress can expose the core features using JSON APIs.

Now we have enabled the plugin that would enable the SmartApp backend to query the WordPress database. We still need to inform the SmartApp back end that instead of using your own user management, use the WordPress user database.

In order to do that, open the main.php file of your application and set the is\_wp\_enabled to true and also set the wordpress\_api\_url to the actual WordPress path as shown below:

**'is\_wp\_enabled' => true,**

**'wordpress\_api\_url' => '**[**http://localhost/wp/**](http://localhost/wp/)**'**

Note that, wordpress\_api\_url should be the URL of your WordPress installation which has the JSON-API plugin enabled so that WordPress can expose the core features over JSON based web services and these web services can be consumed by the Neato SmartApp backend.

End.