

# Hello World

This page provides a step-by-step guide to getting up and running with the API and the most common API plug-in examples.



The following sections cover use of the API on Windows Monitoring Stations. For information on use with Linux Monitoring Stations, contact uptime software [Customer Support](#) for platform-specific information.

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## Hello World: Configuring the up.time Controller

These four steps summarize information from [Installing the up.time Controller](#) and [API Reference](#).

### Step 1: Download the up.time Controller

Download `uptime-controller-installer-1.0` (.exe or .bin, depending on your platform) from either the [uptime software downloads page](#), or the [Support Portal downloads page](#).

Save or copy the installer to your up.time Monitoring Station.

### Step 2: Install the up.time Controller

1. Run the installer by double-clicking the file.
2. Follow the installation instructions. If you are using a non-MySQL DataStore, ensure you configure the correct DataStore connection details when prompted.
3. When prompted to enter a passphrase, enter any string longer than 6 characters.
4. During the installation process, you may be prompted to install the Java Runtime Environment; this is normal.
5. When the installation is complete, proceed to the next step.

### Step 3: Hello World

To validate that your up.time Controller installation is functioning, in a web browser, enter the following URL, replacing `uptimeHostname` with the hostname you normally use to access up.time:

```
https://<uptimeHostname>:9997/api
```



Your browser will likely warn you about connecting to an unsigned secure connection. You can acknowledge this error and continue.

If you are using Internet Explorer, you may be prompted to save the output of this web page instead of view it.

If this command functions properly, you will see output similar to the following:

```
{ "databaseHost": "localhost", "databaseName": "uptime", "databaseVersion": "7.1.0", "host": "myup.time", "version": "1" }
```

Congratulations on correctly configuring a basic up.time Controller installation.

### Step 4: Hello Authentication

To validate that the controller is configured correctly, attempt to access a protected API endpoint by browsing to a URL similar to the following:

```
https://<uptimeHostname>:9997/api/v1/elements
```

If this command works properly, you will be prompted to enter a username and password. Enter valid up.time user credentials. You should now be presented with a large block of text detailing the Elements you have already added to up.time. This is your first successful API call.

## Preparing the Monitoring Station for Custom Dashboards

The simplest way to deploy API dashboard examples to your Monitoring Station is to use the Plug-in Manager. When the Plug-in Manager is integrated with your Monitoring Station, you can install and manage plug-ins (including pre-made dashboards) that extend up.time's features and compatibility.

The Plug-in Manager is available as a separate download, and first needs to be installed on your Monitoring Station. Like all up.time plug-ins, the installer can be accessed from [The Grid](#). Links to how-to videos, including installation overviews for Windows and Linux platforms, can be found on the [main Plug-in Manager page](#).

After you have installed the Plug-in Manager, you can access it from **My Portal** in the Monitoring Station web interface, and use it to upload plug-ins including the API examples outlined in the following sections.

## Enabling the Status Map Dashboard



Before enabling the drag-and-drop dashboard, ensure you have completed steps 2 and 3 of the Post Installation Steps on [Installing the up.time Controller](#).

### Step 1 - Download the Map Dashboard Plug-in

1. Ensure you are logged in to the uptime Support Portal.
2. Go to the [Status Map Dashboard page](#).
3. In the **Download Files** section, click to download the `up.timeStatusMapDashboard-<version>.upk` file.



You may need to first acknowledge that you have reviewed and accepted the terms and conditions for using The Grid.

4. Once the file has been downloaded, log in to the your up.time Monitoring Station web interface, and navigate to the **My Portal** panel and click the **up.time Plug-in Manager** tab.
5. Click **Choose File**, then find and select the downloaded `up.timeStatusMapDashboard-<version>.upk` file, then click **Upload File**.
6. Review the presented summary, then click **Install**.

### Step 2 - Set Configuration Options

1. In the up.time Monitoring Station web interface, click **Config**, then click **up.time Configuration**.
2. To enable a custom tab on the **My Portal** panel, paste the following into **up.time Configuration** panel, then click **Update**:

```
myportal.custom.tab1.enabled=true
myportal.custom.tab1.name=Custom Map Dashboards
myportal.custom.tab1.URL=/world_map/
```

3. On the up.time Monitoring Station, restart the service that manages the up.time Web server functionality (up.time Web Server on Windows).
4. Ensure the dashboard can connect to the up.time Controller properly by editing the following two files in the `<uptimeDirectory>\GUI\map_dashboard` directory:

```
(uptime_dir)/GUI/world_map/js/uptime.mapEditor.js
(uptime_dir)/GUI/world_map/js/uptime.viewDashboard.js
```

5. Modify the following lines in the aforementioned files, entering the correct user, password, and port, if they have been modified from the default values:

```
var uptime_host = 'localhost';
var uptime_user = 'admin';
var uptime_pass = 'admin';
var uptime_port = 9997;
var uptime_ver = 'v1';
var uptime_ssl = true;
var uptime_ui_url = "https://" + uptime_host + ":9999";
```

### Step 3 - Test Direct Connection

Test your dashboard configuration by browsing to the following:

`http://<uptimeHostname>:<uptimePort>/world_map/manage_dashboards.php`

The dashboard management page will be displayed.

You can now add your first dashboard. Click **Create New Dashboard** to get started. Use the options on the left to change your background image and add up.time Elements. Drag your Element indicators to wherever you would like on the right-hand panel. When you are happy with the layout, give your dashboard a name under #4 on the left-hand panel, then click **Save Dashboard**.



If this `manage_dashboards.php` page loads correctly, but does not appear to be accessing API info, ensure you have completed steps noted at the beginning of this section.

## Enabling the Mobile-Device Dashboard



Before enabling the mobile-device dashboard, ensure you have completed steps 2 and 3 of the Post Installation Steps on [Installing the up.time Controller](#).

### Step 1 - Download the Mobile Dashboard Plug-in

1. Ensure you are logged in to the uptime Support Portal.
2. Go to the [Status Map Dashboard page](#).
3. In the **Download Files** section, click to download the `up.timeMobileDashboard-<version>.upk` file.



You may need to first acknowledge that you have reviewed and accepted the terms and conditions for using The Grid.

4. Once the file has been downloaded, log in to the your up.time Monitoring Station web interface, and navigate to the **My Portal** panel and click the **up.time Plug-in Manager** tab.
5. Click **Choose File**, then find and select the downloaded `up.timeMobileDashboard-<version>.upk` file, then click **Upload File**.
6. Review the presented summary, then click **Install**.

### Step 2 - Test Direct Connection

Test your dashboard configuration by browsing to the following:

```
http://<uptimeHostname>:<uptimePort>/mobile
```

After logging in with your Monitoring Station credentials, you will be presented with the up.time mobile web interface.