

# Bondi Widget porting example - devicestatus API



This article needs to be updated: If you found this article useful, please fix the problems below then delete the `{{ArticleNeedsUpdate}}` template from the article to remove this warning.

**Reasons:** hamishwillee (01 Jun 2011)

The article is dependent on a wgt package from Bondi that is no longer available (Charge.wgt) because the site has merged with another. If anyone can find the linked package this header can be removed.

## Preface

This is an example of porting a Bondi Widget to Nokia WRT using the guide found [here](#). The example widget uses Bondi API specific device status functions. It gets charging status of battery, indicating whether the phone's battery is being charged or not.

## 1. Download the .wgt package

The Charge! widget package can be found by following this <http://bondi.omtp.org/widget-gallery/Lists/Widgets/Attachments/29/Charge.wgt> link. This porting example was written using the Charge! widget version 1.0. The link may require login credentials for the Bondi website.

## 2. Rename and unzip the Test widget archive

The archive needs to be unzipped to make modifications to its contents. First rename the file extension from \*.wgt to \*.zip. Then extract the zip archive.

## 3. Create info.plist manifest file

When installing a .wgt file the system looks for a manifest file called info.plist. The Bondi Widget equivalent is called config.xml.

Here's how to use the Bondi Widget config.xml data to create the WRT manifest file:

1. Download and unzip this [info.plist](#) template file and save it in the widget's root directory.
2. Open the widget's config.xml file and find the `<name>` element. Copy the text found within the element and paste it into the `<string>` element under `<key>DisplayName</key>` element of the `info.plist` file.

```
<key>DisplayName</key>
<string>Charge!</string>
```

3. The identifier of a Bondi widget can be found in the `id` attribute of the `<widget>` element in `config.xml`. If the value is a URL, use the conventional WRT identifier form, which is the URL in reverse. Add the identifier to `<string>` element under `<key>Identifier</key>` element of the `info.plist` file.

```
<key>Identifier</key>
<string>fi.metropolia.users.miasa.widgets.charging</string>
```

4. The HTML-file can be found in the `src` attribute of `<content>` element.

```
<key>MainHTML</key>
<string>index.html</string>
```

5. This widget does not require network access so it can be set to false.

```
<key>AllowNetworkAccess</key>
<false />
```

6. Save the file.

## 4. Add Javascript wrapper library

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1. Copy [Bondi.txt](#) and save it to the widget's root directory. Change the extension from \*.txt to \*.js.
2. Add the following line inside <head> element in main HTML file:

```
<script type="text/javascript" src="Bondi.js"></script>
```

## 5. Packaging

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Re-zip the containing Charge! widget **folder** and change the file extension from \*.zip to \*.wgz.

## 6. Deploy

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Upload the widget to your mobile device and install.

[Here](#) is an example of the ported widget. Remember to change the extension to \*.wgz before installing.