

# **finPOWER Connect 3 External HTML Widget Host Installation and Configuration**

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## **Disclaimer**

This document contains information that may be subject to change at any stage.

All code examples are provided "as is".

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## Introduction

This document describes the steps to be taken to install and configure the finPOWER Connect External HTML Widget Host.

finPOWER Connect External HTML Widget Host is a Web application that runs under Microsoft's Internet Information Services (IIS) Web Server software.

Installation and configuration should only be undertaken by a network administrator who should be familiar with both IIS configuration and network security.

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**NOTE:** Use **the finPOWER Connect Cloud 3 Installation and Configuration** or **finPOWER Connect Web Services Installation and Configuration** documents in conjunction with this document if you are unsure how to configure IIS.

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This Application is used to proxy calls to Web Services thereby adding an additional level of security.

# System Requirements

See the finPOWER Connect 3 Web Services Installation and Configuration Guide document.

## Setup File

- The External HTML Widget Host is deployed as a zip file (**finPOWERConnectExternalHtmlWidgetHost3.zip**). The latest version can be obtained from Intersoft Systems.
- The zip file contains a **finPOWERConnectExternalHtmlWidgetHost3** folder which contains the entire Web application.
- This setup file should be extracted to a folder on either the Web Server or some other media which can then be used to copy the files to the Web Server, e.g., a USB flash drive or network location.

## **New Installation**

See the "New Installation" section in the finPOWER Connect 3 Web Services Installation and Configuration Guide.

The only difference is that the alias for the application should be more applicable, e.g., **ExternalWidgets**.

## Updating an Existing Installation

This section assumes that all of the steps listed in the [New Installation](#) section were followed when first installing the Web Services.

- Take a backup copy of your existing configuration file **config.xml** in the **App\_Data** folder.
- Use Windows Explorer to remove all folders under the existing Web Services Web Application folder.
- Using Windows Explorer, copy the files from the setup's finPOWERConnectExternalHtmlWidgetHost3 folder into the Web application folder.
- Copy your backed up configuration file back into the **App\_Data** folder.

**WARNING:** Failure to take a backup copy of your existing configuration file will result in the finPOWER Connect External HTML Widget Host having to be re-configured.

## **Enforcing HTTPS for Secure Access**

See the "Enforcing HTTPS for Secure Access" section in the finPOWER Connect 3 Web Services Installation and Configuration Guide.

## Configuration

Unlike finPOWER Connect Cloud and finPOWER Connect Web Services which provide an administration facility to configure them, configuration of the External HTML Widget Host must be performed manually by using a text editor such as Windows Notepad to edit the **App\_Data/config.xml** file.

Only two configuration options are required:

- The URL to Web Services
- A comma-separated list of Script Ids to be proxied

```
<ISKeyValueList version="1.00">  
  <Item type="String" key="ScriptIds">CALC1,CALC2</Item>  
  <Item type="String" key="WebServicesUrl">http://localhost:51149/ws3/</Item>  
</ISKeyValueList>
```

**WARNING:** The URL MUST NOT include a "/api/" portion.

## Accessing HTML Widgets Externally

To access an HTML Widget via the External HTML Widget Host, the format of the URL is slightly different to unhosted access.

The Widget can be accessed directly of via an IFRAME as per the /Samples/ExternalWidget.htm sample distributed with Web Services.

### Hosted Access

The HTML Widget Script Id is specified as part of the URL, e.g.:

```
https://widgets.intersoft.co.nz/XCalc/
```

**NOTE:** The Script Id is validated against configured allowable Script before even being proxied to Web Services.

### Unhosted Access

The HTML Widget Script Id is specified as a URL query string parameter, e.g.:

```
https://demo.intersoft.co.nz/WebServices3/External/HtmlWidgetHost1.aspx?_widget=XCalc
```

**WARNING:** This method is NOT recommended since it involves exposing Web Services to internet. It may be suitable for Intranet use.