




INSTALL FLEXGUI

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USE ONLINE FLEXGUI ON ANY DEVICE

Use **FlexGui** on Windows, Linux, Macintosh, Windows phone, Android, iOS or **any device** connected to the internet!

Through our website you can use the **FlexGui 4.0 Enterprise Trial** version or the free **FlexGui 4.0 Industrial** version as well.

For further information visit the webpage <https://www.ppm.no/flexgui4-Home/Index/trial>

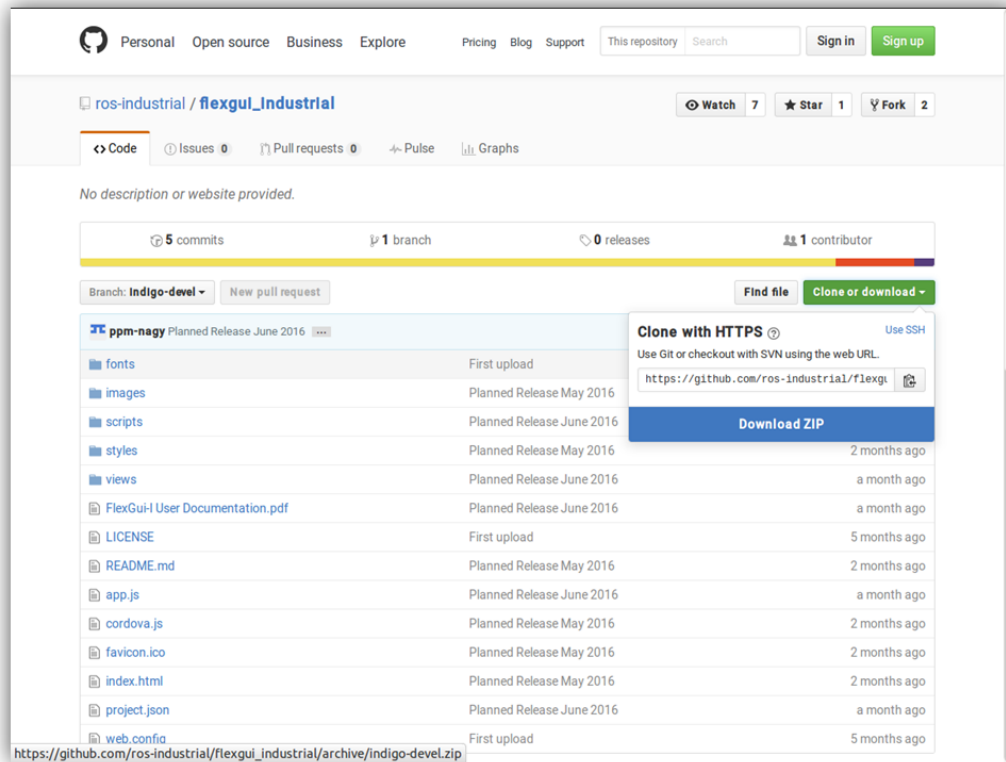
INSTALL FLEXGUI ON UBUNTU LOCALHOST

It was tested on Ubuntu 15.10 x64 and Ubuntu 14.04 LTS x64

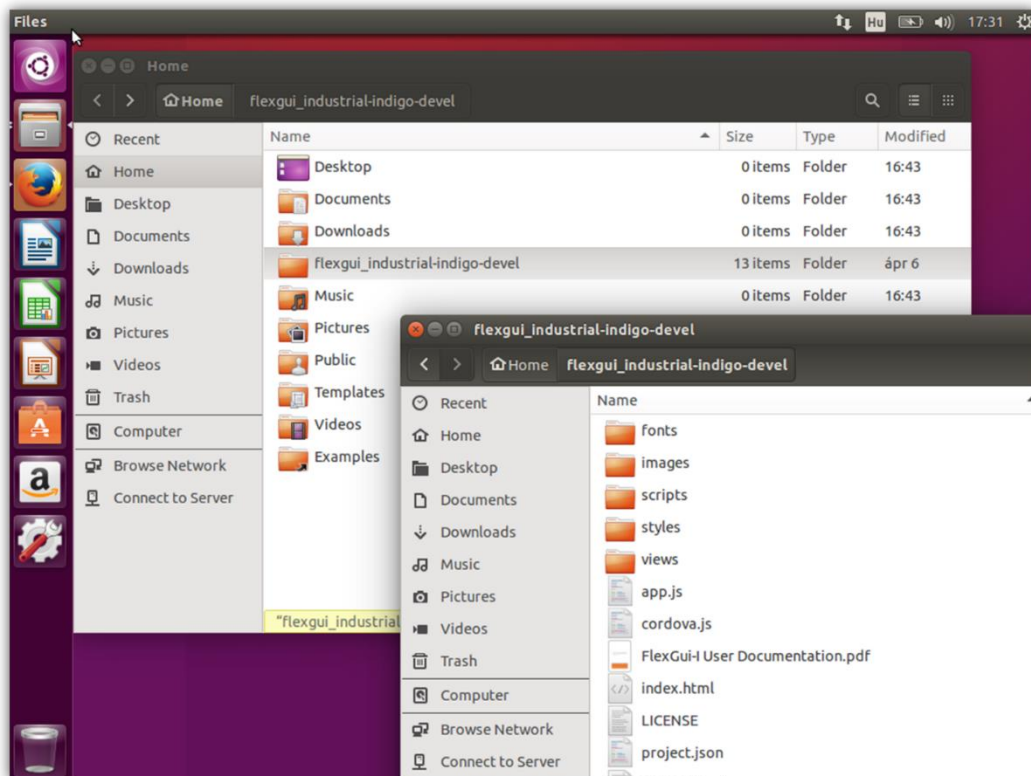
DOWNLOAD FLEXGUI

Open https://github.com/ros-industrial/flexgui_industrial

Download the source



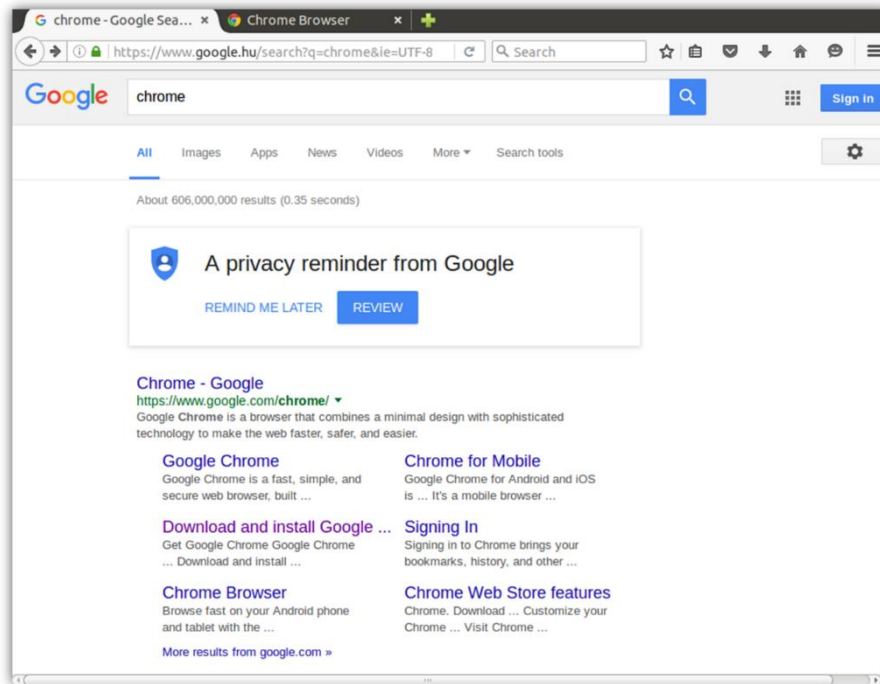
Open the archive and unpack it into your **Home** folder



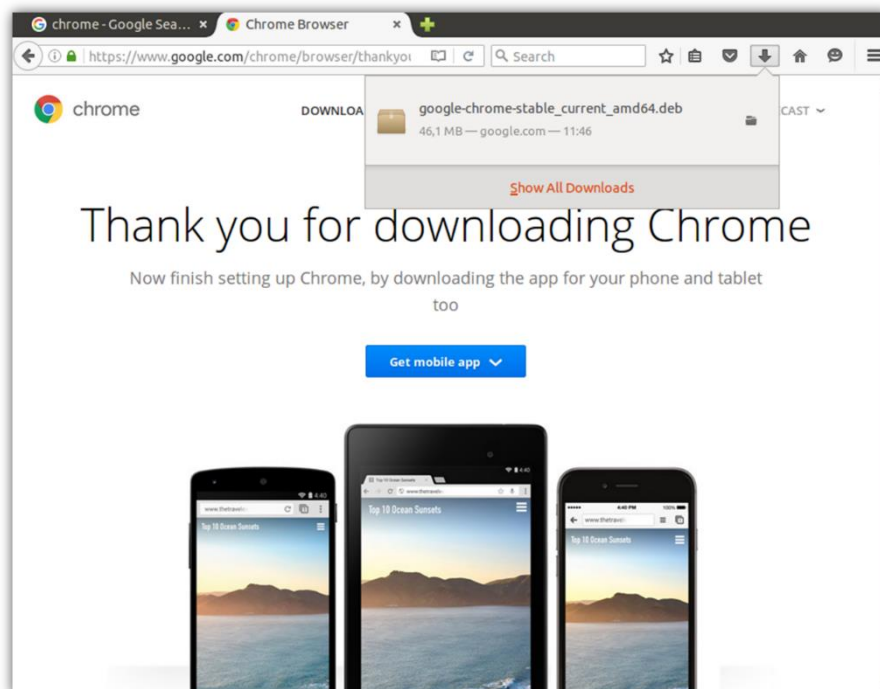
INSTALL GOOGLE CHROME

FG supports only the newest version of Google Chrome as a browser. If you use a different browser it will work, but you might have some errors.

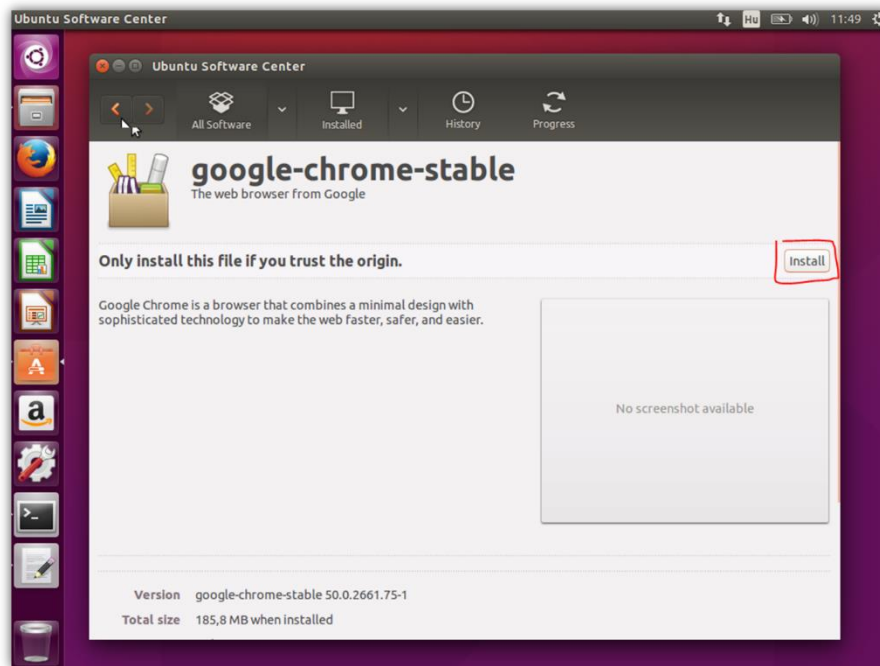
Search for chrome on the web



Download the installer and open it with Ubuntu Software Center



Click on Install



If installation is finished, search for Chrome application



To handle future tasks easier it is recommended to set Google Chrome as a default browser. For further details visit <https://www.google.com/chrome>

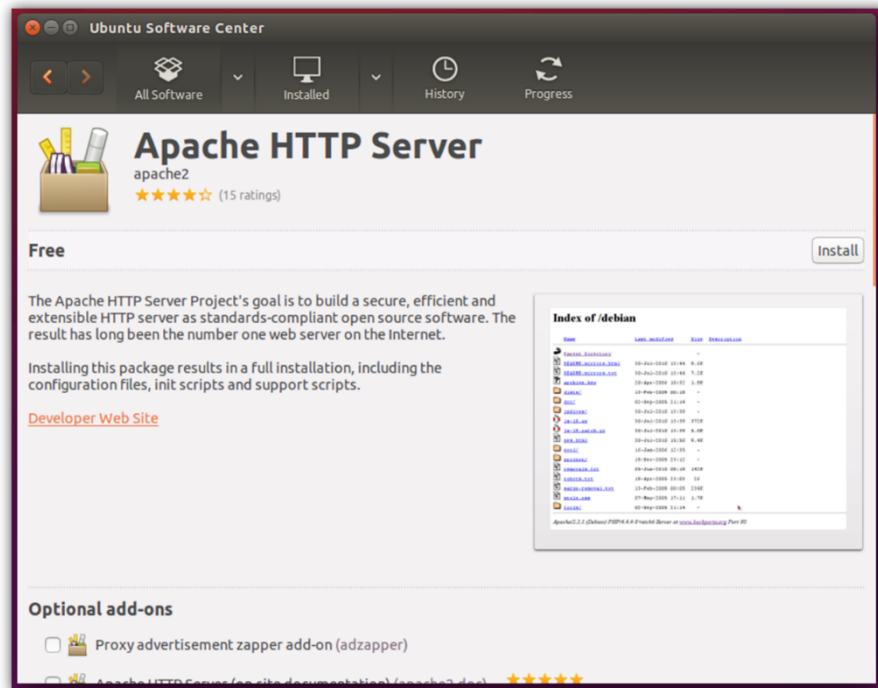
If Google Chrome has graphics problems, try to install Chromium instead from terminal: `sudo apt-get install chromium-browser`

INSTALL A WEBSERVER

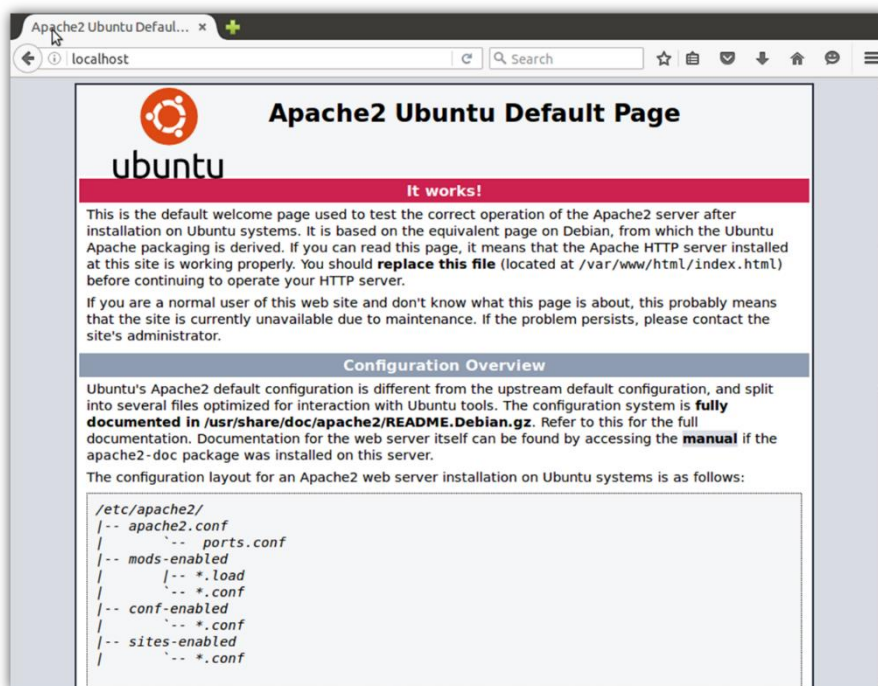
Now install a webserver. Of course you can use your custom webserver if you would like to.

INSTALL AN APACHE2 HTTP SERVER THROUGH UBUNTU SOFTWARE CENTER

Open Ubuntu Software Center and search for apache2



If the installation was successful, you will see the following page on <http://localhost>



To set your custom webpage, you need write permissions on `/etc/apache2/sites-available` folder to make a copy of the default configuration file. You can do this by

- A) [Using the GUI](#)
- B) [Using the terminal](#)

USING THE GUI

If you simply navigate to `/etc/apache2/sites-available` folder using the file explorer (called *nautilus* in Ubuntu), you won't be able to create or edit anything there, because you don't have root permissions. To open nautilus with root permissions, open it using the terminal:

Open a new terminal window (Ctrl + Alt + T)

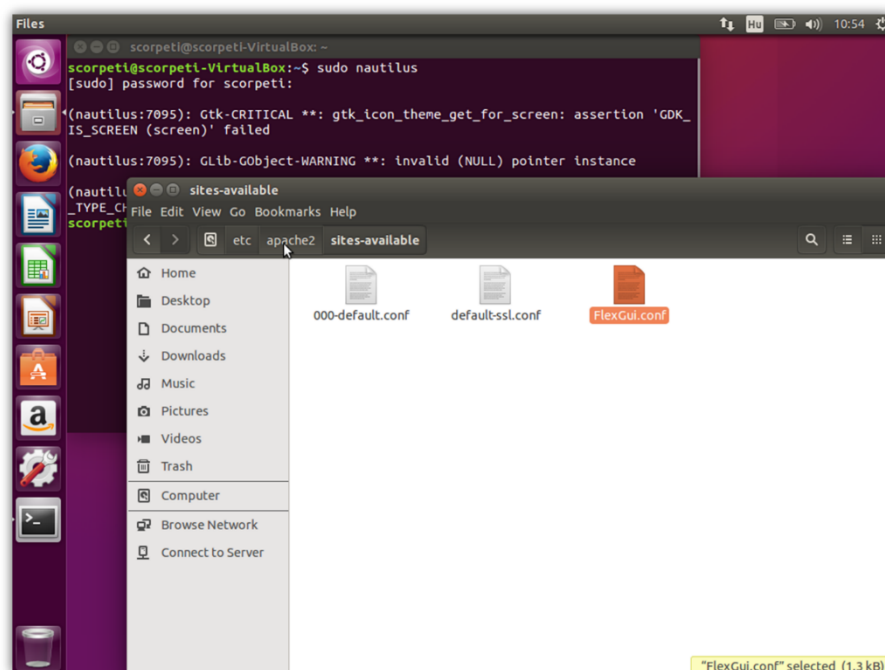
```
1 sudo nautilus
```

Type this:

Now you have write permissions to any folder.

BE CAREFUL! Having root permission in Ubuntu is not the same as being an administrator in Windows. In Ubuntu you can edit or delete files that Ubuntu needs to run. If you are not careful enough you can break any software or the operating system itself.

Make a copy of `000-default.conf` file in the same folder. Rename it to `FlexGui.conf`



Open `FlexGui.conf` by clicking on it.

If it is done, [continue the installation](#).

USING TERMINAL

Open a new terminal window (Ctrl + Alt + T)

```
2 # Navigate to folder
3 cd /etc/apache2/sites-available/
4 # Copy the default configuration file
5 sudo cp 000-default.conf FlexGui.conf
6 # Open the new file to edit
7 sudo gedit FlexGui.conf
```

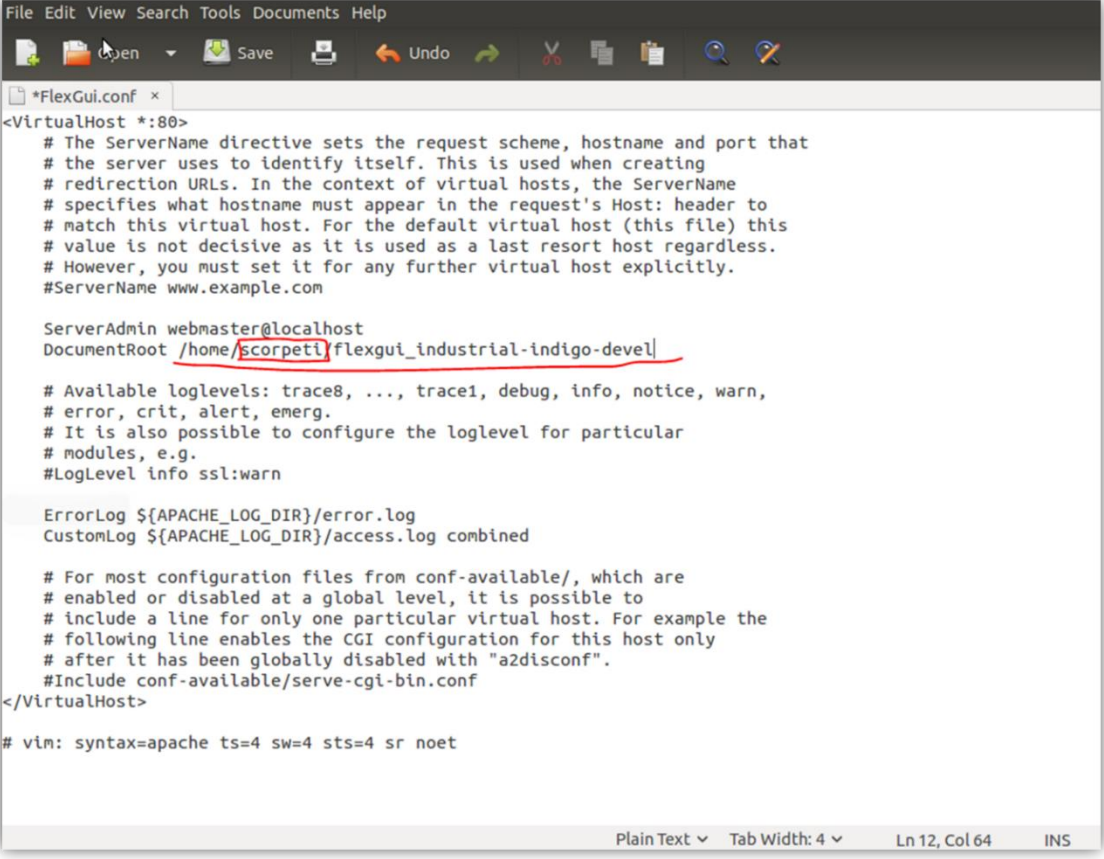
Type this:

This will open FlexGui.conf with write permissions

CONTINUE INSTALLING AN APACHE2 HTTP SERVER THROUGH UBUNTU SOFTWARE CENTER

You just opened the newly copied file to edit it as root.

Change the DocumentRoot path to your downloaded FlexGui directory. Ubuntu's username might be different on your system.



```
File Edit View Search Tools Documents Help
*FlexGui.conf x
<VirtualHost *:80>
# The ServerName directive sets the request scheme, hostname and port that
# the server uses to identify itself. This is used when creating
# redirection URLs. In the context of virtual hosts, the ServerName
# specifies what hostname must appear in the request's Host: header to
# match this virtual host. For the default virtual host (this file) this
# value is not decisive as it is used as a last resort host regardless.
# However, you must set it for any further virtual host explicitly.
#ServerName www.example.com

ServerAdmin webmaster@localhost
DocumentRoot /home/scorpeti/flexgui-industrial-indigo-devel

# Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
# error, crit, alert, emerg.
# It is also possible to configure the loglevel for particular
# modules, e.g.
#LogLevel info ssl:warn

ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

# For most configuration files from conf-available/, which are
# enabled or disabled at a global level, it is possible to
# include a line for only one particular virtual host. For example the
# following line enables the CGI configuration for this host only
# after it has been globally disabled with "a2disconf".
#Include conf-available/serve-cgi-bin.conf
</VirtualHost>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet

Plain Text Tab Width: 4 Ln 12, Col 64 INS
```

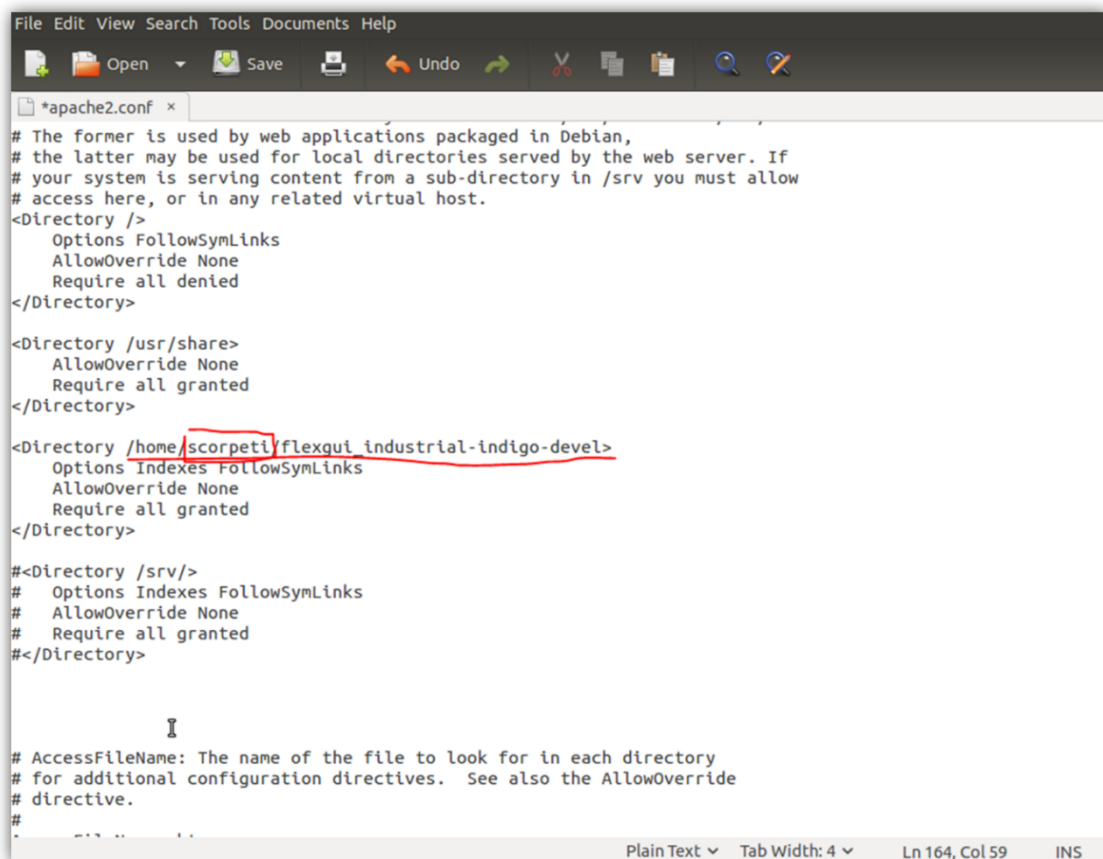
Save the file and close it.

Now edit `/etc/apache2/apache2.conf` file with root privileges. To be able to save the file you can use the [GUI](#) or the [terminal](#) method again as described before. I go for the terminal method using

```
8      # Navigate to folder
9      cd /etc/apache2/
10     # Open the file to edit
11     sudo gedit apache2.conf
```

the following code:

Change the `<Document /var/www>` path to your downloaded FlexGui directory. Ubuntu's username might be different on your system.



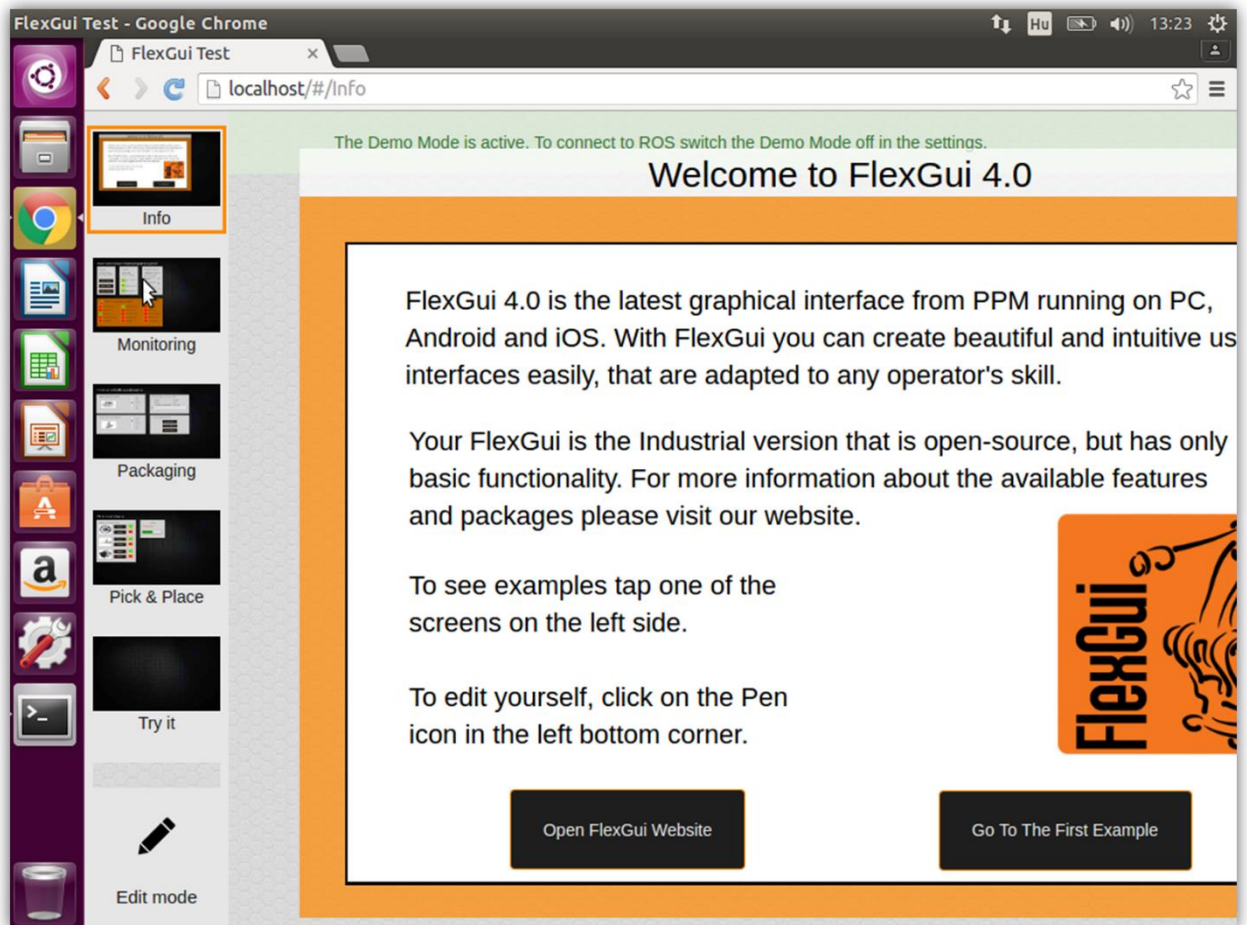
Save it and close it.

Now you have to disable the default site and enable the FlexGui site by typing this into a terminal:


```
12 # Disable default site
13 sudo a2dissite 000-default.conf
14 # Enable FlexGui
15 sudo a2ensite FlexGui.conf
16 # Restart apache2 server to activate new configuration
17 sudo service apache2 restart
```

Open Google Chrome and open <http://localhost>

You should see FlexGui up and running



For more information about webserver installation visit

https://help.ubuntu.com/community/ApacheMySQLPHP#Virtual_Hosts

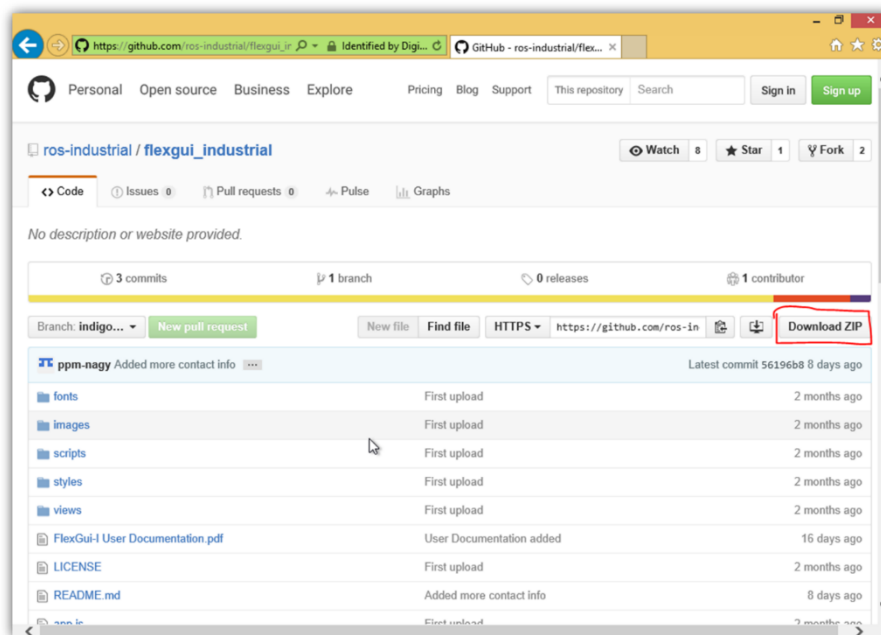
INSTALL FLEXGUI ON WINDOWS LOCALHOST

It was tested on Windows 8.1 Pro x64

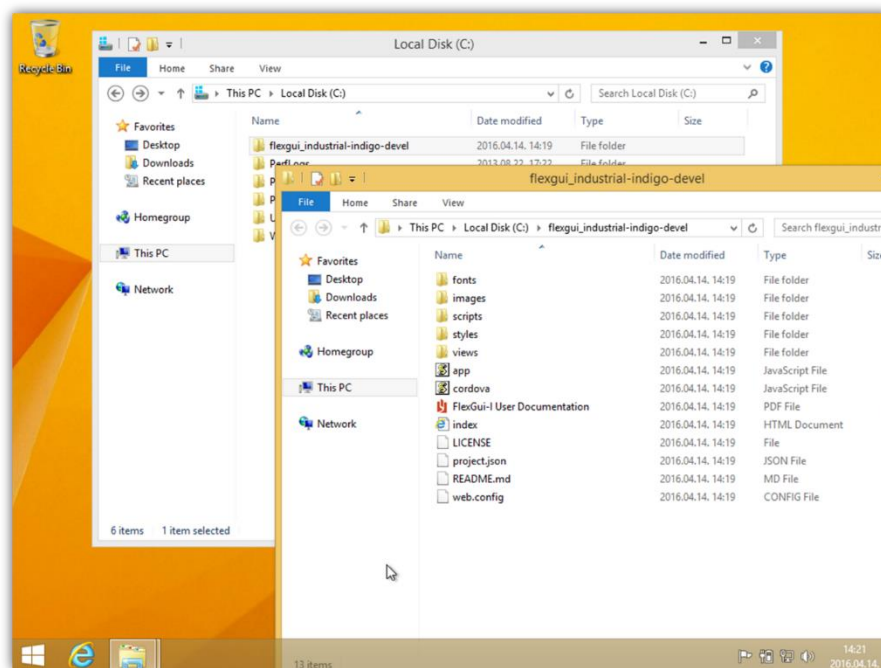
DOWNLOAD FLEXGUI

Open https://github.com/ros-industrial/flexgui_industrial

Download the source



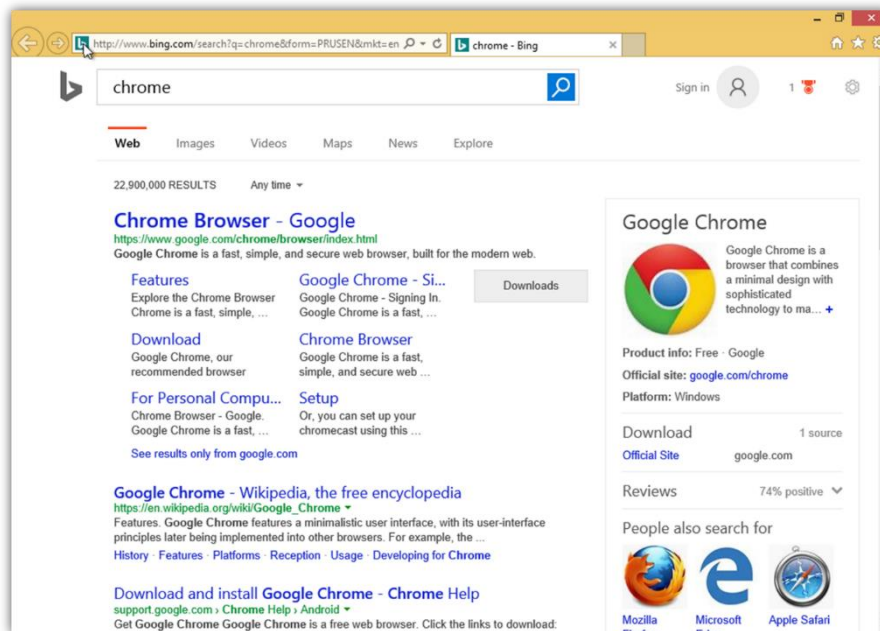
Open the archive and unpack it into your C drive



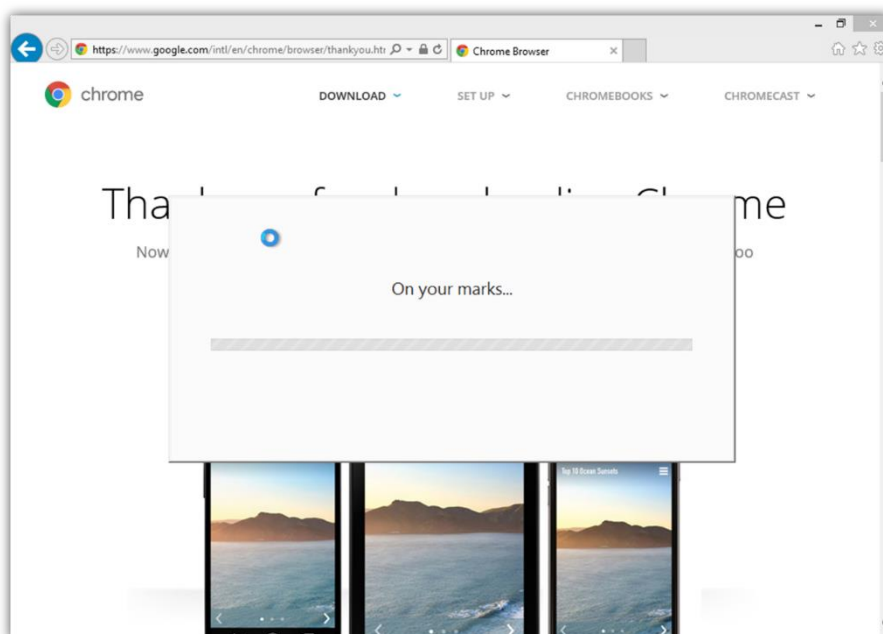
INSTALL GOOGLE CHROME

FG supports only the newest version of Google Chrome as a browser. If you use a different browser you might have some errors.

Search for chrome on the web



Download the installer and run it



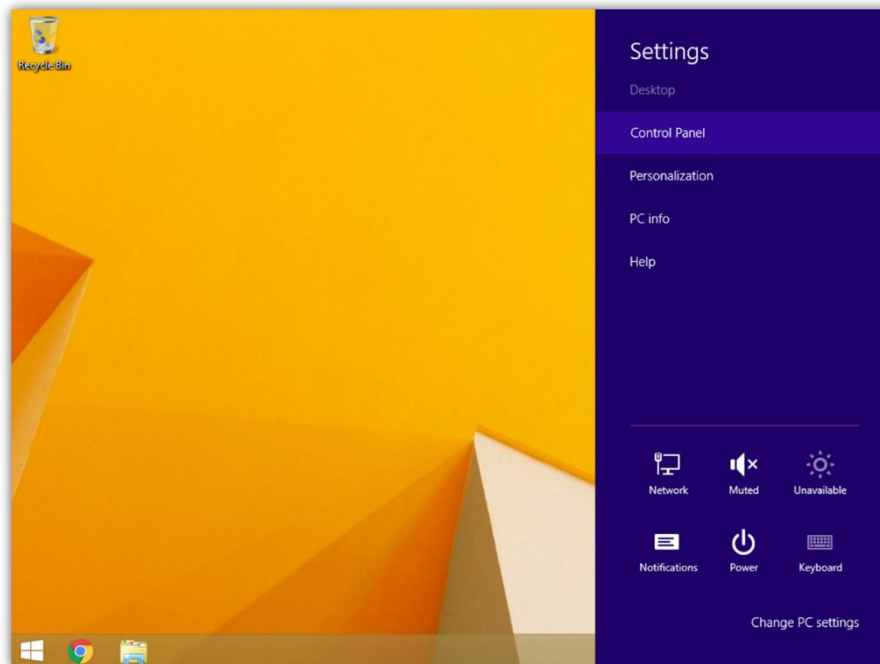
To handle future tasks easier it is recommended to set Google Chrome as a default browser. For further details visit <https://www.google.com/chrome>

INSTALL A WEBSERVER

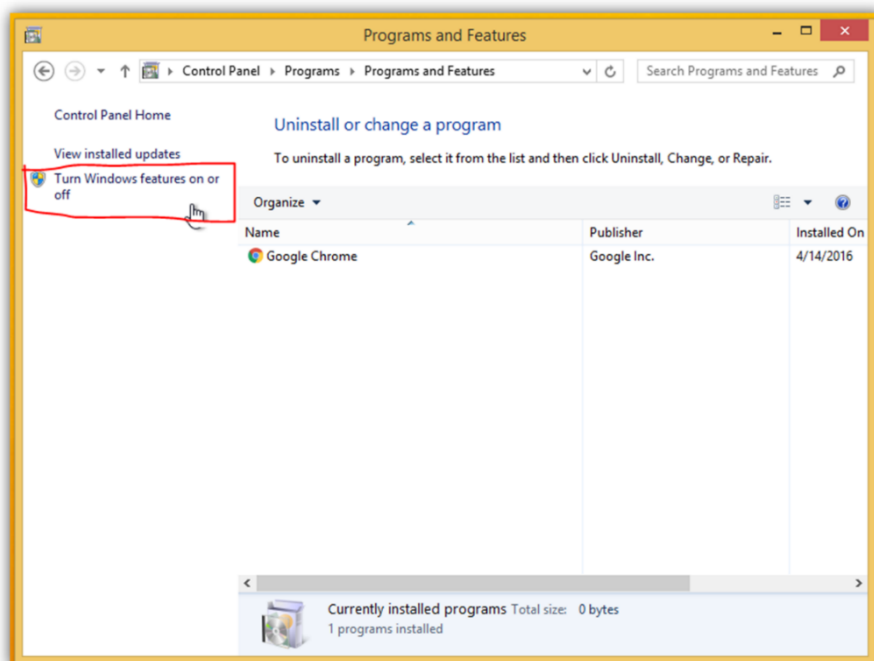
Now install a webserver. Of course you can use your custom webserver if you would like to.

INSTALL INTERNET INFORMATION SERVICES USING CONTROL PANEL

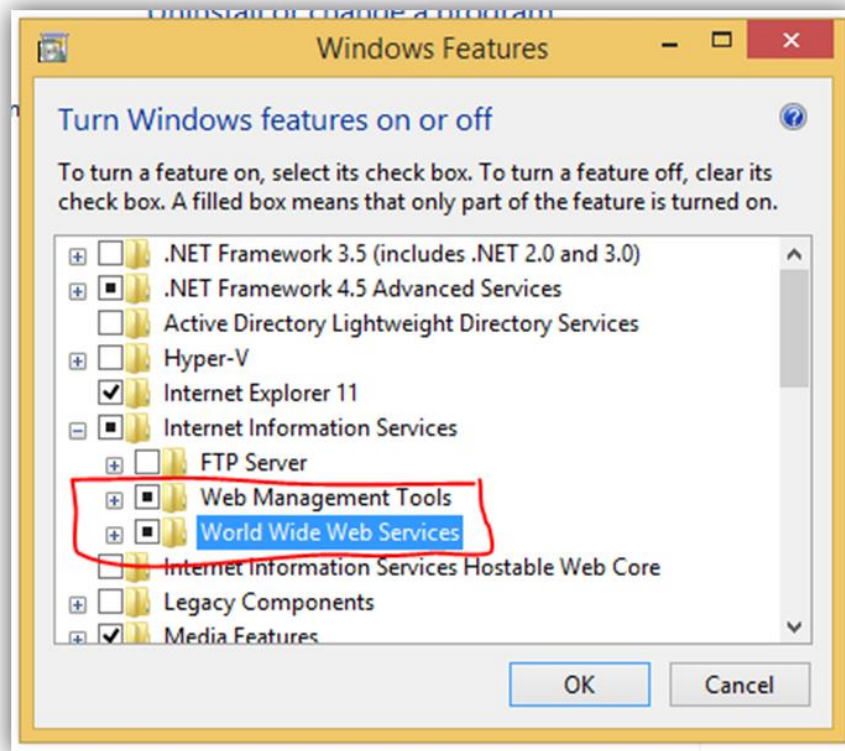
Open Control Panel



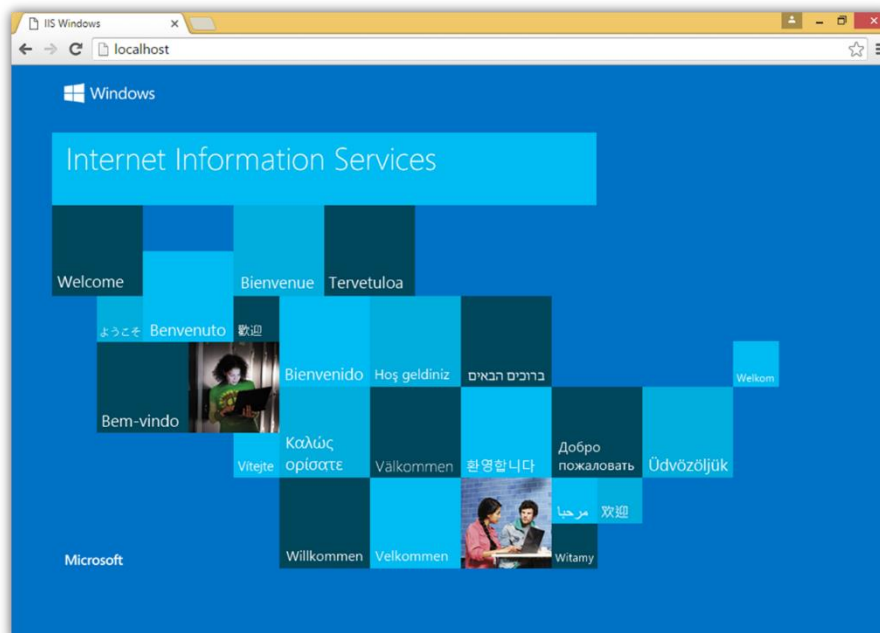
Search for **Programs and Features**. Open the link, then press the **Turn Windows features on or off** link



Turn on **IIS Web Managing Tools** and **IIS www Services**. Then press OK. It will take some time to apply changes



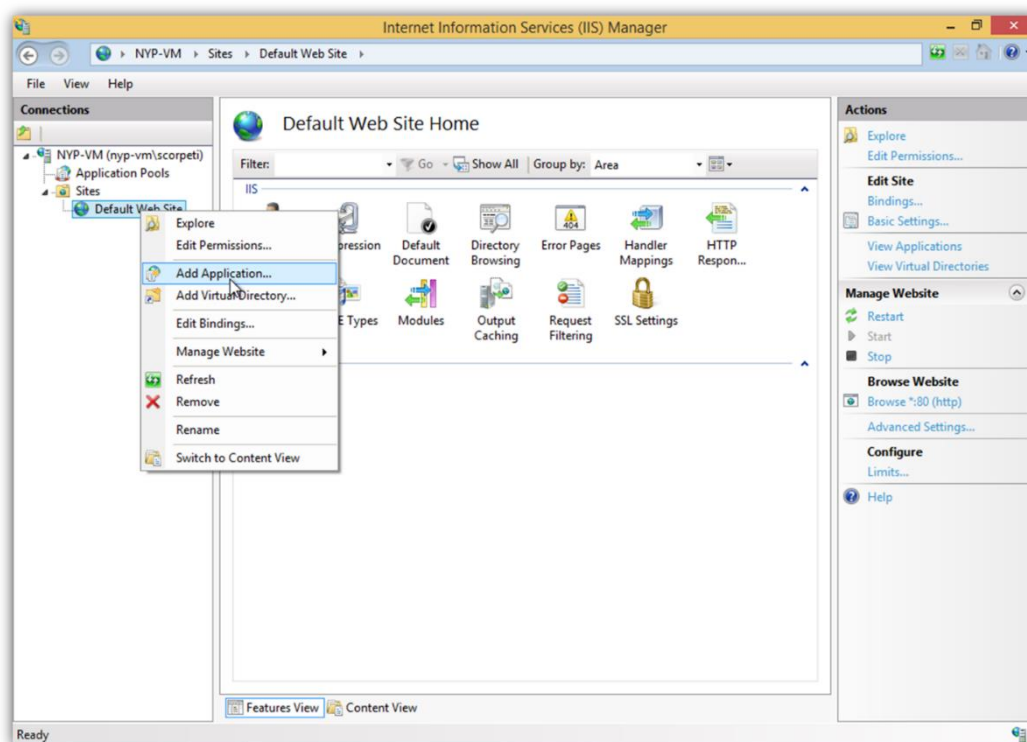
If the installation was successful, you will see the following page on <http://localhost>



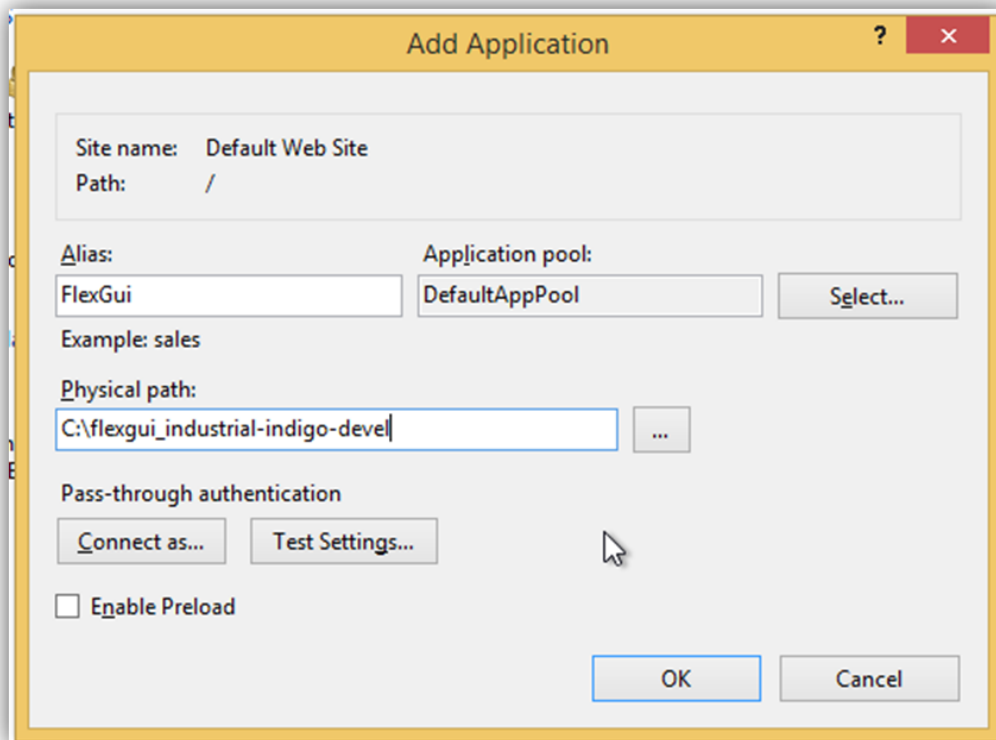
Open IIS Manager. To do this press **Start** button then type **iis**. Then select the manager program



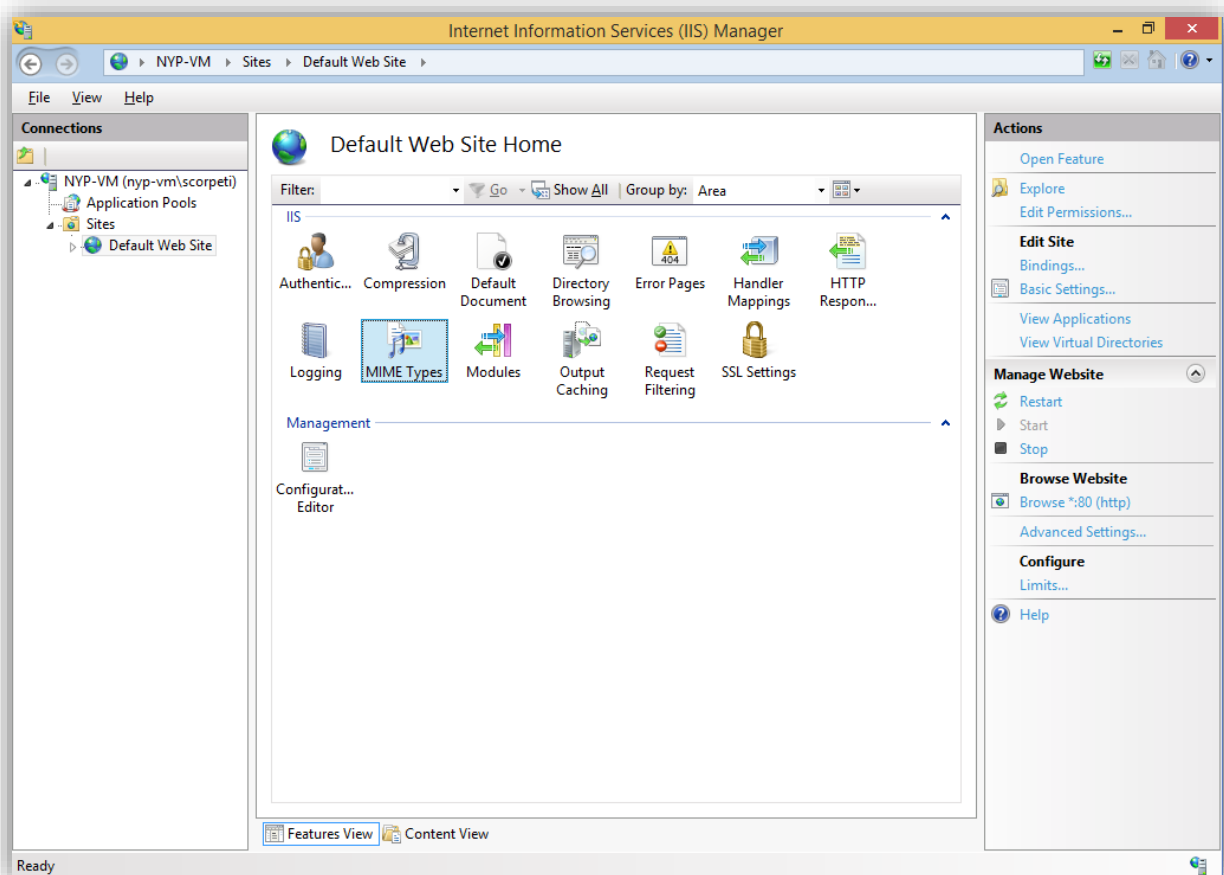
Add a new application to the **Default Web Site**



Set site name to **FlexGui** and directory to the downloaded FlexGui folder. Press OK



You need to check MIME Types



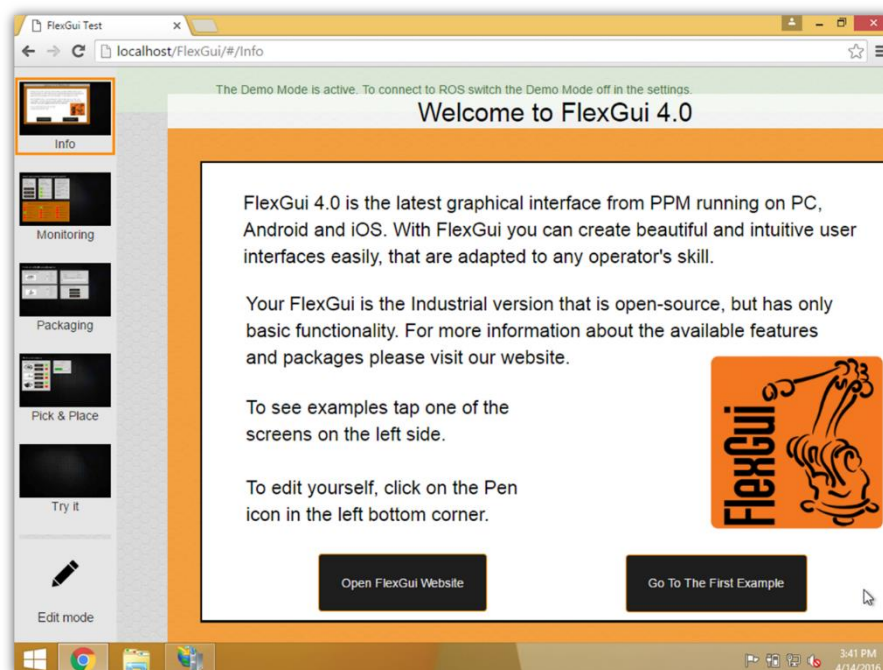
Search for this extensions: `.woff` (`font/x-woff`), `.woff2` (`font/x-woff`), `.json` (`application/javascript`), `.less` (`text/css`) and `.ttf` (`application/octet-stream`)

If you can't find any of them in the list, insert in manually

.wmlc	application/vnd.w...	Inherited
.wmls	text/vnd.wap.wml...	Inherited
.wmlsc	application/vnd.w...	Inherited
.wmp	video/x-ms-wmp	Inherited
.wmv	video/x-ms-wmv	Inherited
.wmx	video/x-ms-wmx	Inherited
.wmz	application/x-ms-...	Inherited
.woff	font/x-woff	Inherited
.woff2	font/x-woff	Local
.wps	application/vnd....	Inherited
.wri	application/x-ms...	Inherited
.wrl	x-world/x-vrml	Inherited
.wrz	x-world/x-vrml	Inherited
.wsdl	text/xml	Inherited
.wtv	video/x-ms-wtv	Inherited

Now you can close the IIS Manager. Open Google Chrome and open <http://localhost/FlexGui>

You should see FlexGui up and running



Some Windows versions handle MIME types differently. If your FlexGui doesn't work correctly (meaning doesn't load correctly with the default project, the console of browser shows some missing fonts), try the next trick:

- Delete /web.config file
- Delete /fonts/web.config file
- Delete /styles/fonts/web.config file

Reload in the browser and check if the errors are gone.

For more information about webserver installation visit the Microsoft's webpage
<https://technet.microsoft.com/>