



REDATAM WEB SERVER

Loading the application in the Web Server

WEB environment

- The Webserver module allows the online processing of databases stored on a server (through Intranet or Internet) without the users having direct access to them.
- It allows to obtain tabulations carried out from the server through an application conformed of predefined pages that “simulate” the functions of the process module.

How do I start?

- Create a new folder named “**servers**” on the “C:” disk (**C:\servers**). It is important that you have read & write permissions to this disk.
- Extract the Redatam Webserver environment under the “**C:\servers**” directory by executing the *Red7_WebServer_V6Rev5.rar* file (double click on the filename), download from <http://celade.cepal.org/cdr/setup/>

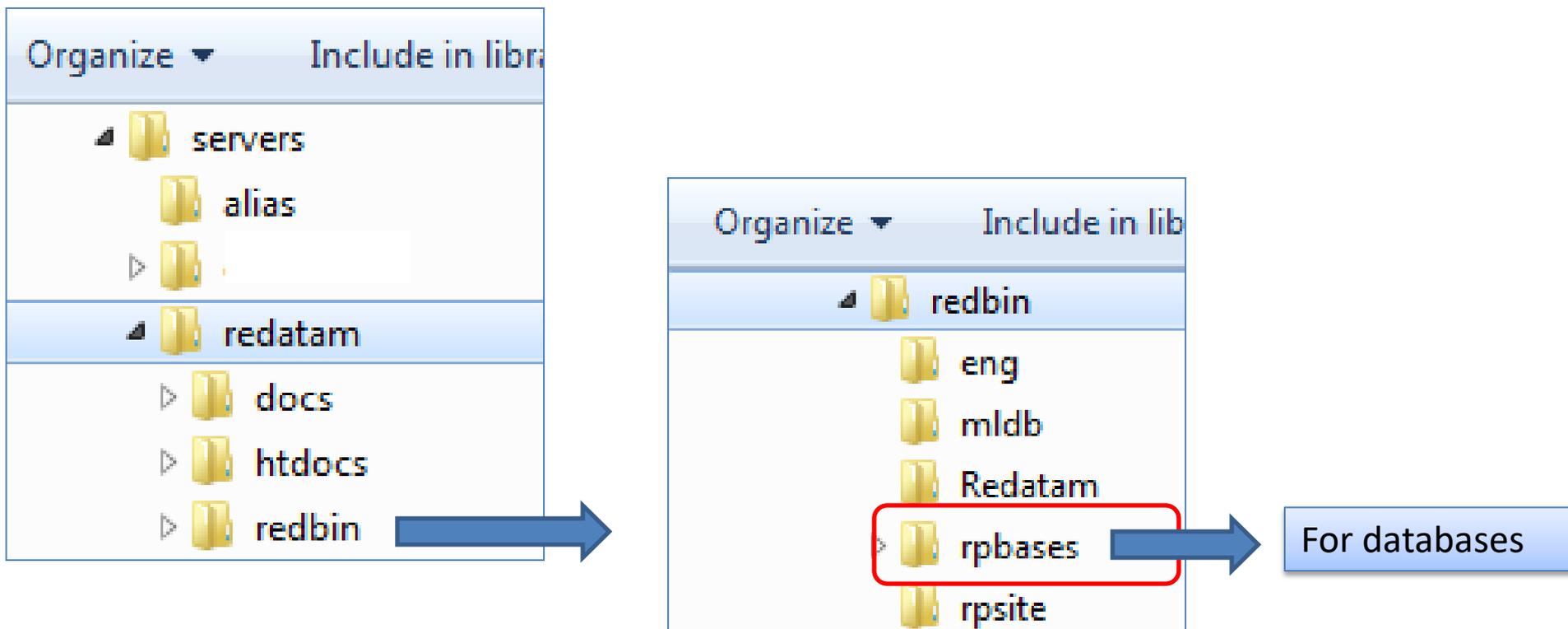
- Note: you can use another disk, as well as different directory names. However, be careful to change accordingly the remaining instructions in this document, specially IIS configuration.

File structure of the site

- Before you organize the site structure for another database it is important that you understand the file structure of the site.
- Be aware that the folders that were created when installing the R+SP WebServer are located under the root directory
`C:/servers/redatam`

WEB Environment

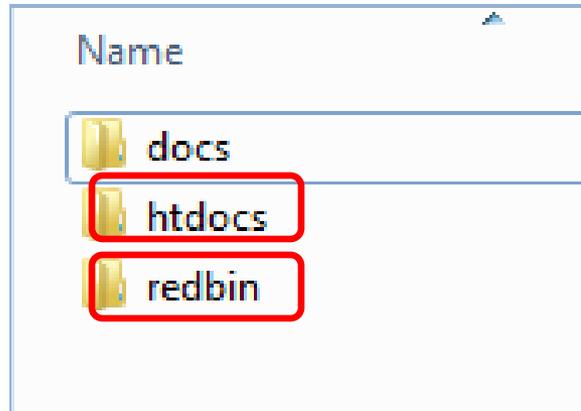
- The whole structure of the main installation directory will be as shown in the picture below



The Redatam Web Structure

- The ***Redatam*** directory is divided into three folders:
- ***redbin***, which contains the Redatam Webserver components, HTML templates and databases. It is the “protected” part of the server and is called when running a process through the IIS server by an virtual alias ***/redbin/***
- ***Docs***, with some documentation that you can browse
- ***htdocs***, the application’s “visible” part, where you can store .html, .pdf and images files. It should be called using IIS server by an virtual alias ***/redatam/***

File structure of the site



These two branches are related

- They contain all the files that are necessary to run Redatam Webserver applications.
- The first branch is named *htdocs* and it contains all public files and documents (help files, images, etc. in general, all files referenced by the html files executed in internet).
- The second branch *redbin* has a “private” nature as it contains the protected part of the application: databases, images, maps, inl files, etc.

The htdocs folder

- The *htdocs* folder stores all the public information of the application, that is, information available on internet for the users, such as images, help documents etc.
- Contains the web images that Redatam web page uses. The new Miranda help files and images as well and contains the layout templates that JQuery uses under css and js folders.

Name

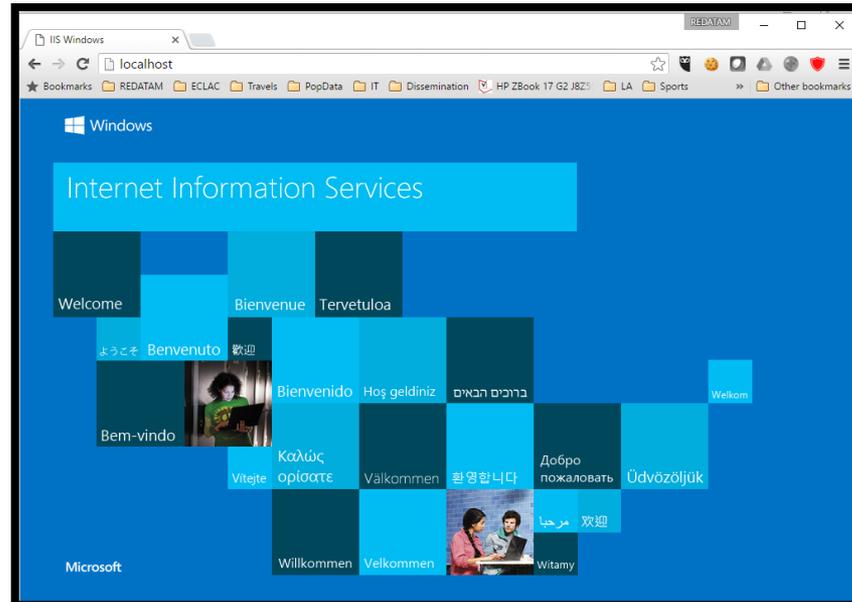
-  css
-  images
-  js
-  Nmir
-  RpHelp
-  Default.htm
-  index.html

IIS Web Server

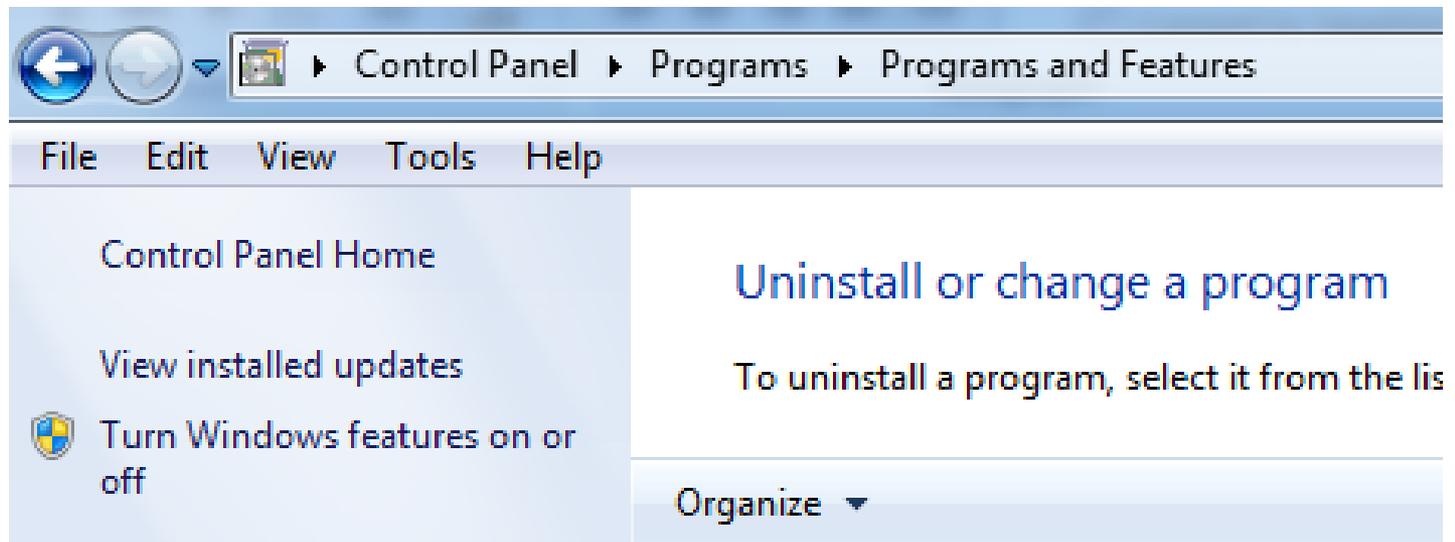
Verify that IIS works!!

Using any Internet browser of your choice, access the IIS web server by typing the following:

localhost



If it is not working it will be necessary to activate it using the following window from the control panel (under uninstall programs)



ADD IIS FEATURE

Check in the Control Panel if IIS feature is ON

The screenshot shows the Windows Control Panel 'Programs and Features' window. A 'Windows Features' dialog box is open, titled 'Turn Windows features on or off'. The dialog box contains a list of features with checkboxes. The 'Internet Information Services' feature is highlighted with a blue arrow. The 'OK' button is also highlighted with a blue box.

Windows Features dialog box content:

- .NET Framework 3.5 (includes .NET 2.0 and 3.0)
- .NET Framework 4.6 Advanced Services
- Active Directory Lightweight Directory Services
- Embedded Shell Launcher
- Hyper-V
- Internet Explorer 11
- Internet Information Services
- Internet Information Services Hostable Web Core
- Isolated User Mode
- Legacy Components
- Media Features
- Microsoft Message Queue (MSMQ) Server

Background window content (Programs and Features):

Control Panel Home

Uninstall or change a program

To uninstall a program, select it

View installed updates

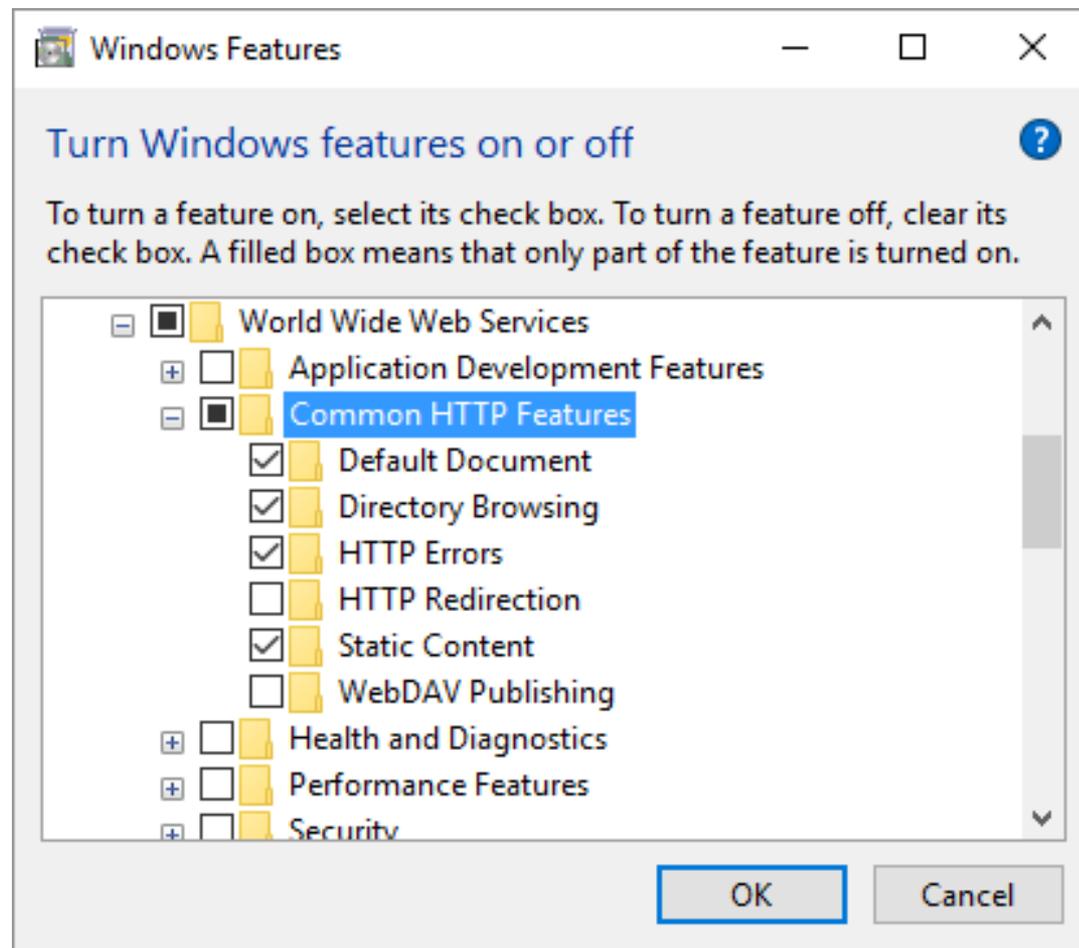
Turn Windows features on or off

Name	Version
360 Total Security	200 MB 8.2.0.1120
Alcor Micro Smart Card Reader Driver	584 KB 1.7.39.0
Boost Libraries for Embarcadero Developer	4.99 GB 17.0
Citrix online plug-in - web	12.3.0.8
CyberLink Power2Go 8	159 MB 8.0.3.5229
Embarcadero InterBase XE7	Embarcadero InterB...
Embarcadero RAD Studio 10 Seattle	4.99 GB 17.0
FileZilla Client 3.62.0	21.7 MB 3.16.1
Foxit PhantomPDF	1.16 GB 6.0.25.1029
Google Chrome	316 MB 49.0.2623.110
Google Drive	68.2 MB 1.28.1549.1322
HP 3D DriveGuard	4.00 MB 6.0.28.1
HP BIOS Configuration Utility	15.7 MB 4.0.15.1
HP Client Security Manager	66.1 MB 8.3.17.2042
HP Drive Encryption	98.5 MB 8.6.23.46
HP ESU for Microsoft Windows 8.1	Hewlett-Packard Company 3/18/2016 3.43 MB 1.1.1
HP ESU for Microsoft Windows 10	HP 3/18/2016 3.43 MB 1.1.1
HP Hotkey Support	HP 3/18/2016 33.4 MB 6.2.17.1
HP SoftPaq Download Manager	HP 3/18/2016 81.2 MB 4.2.4.0

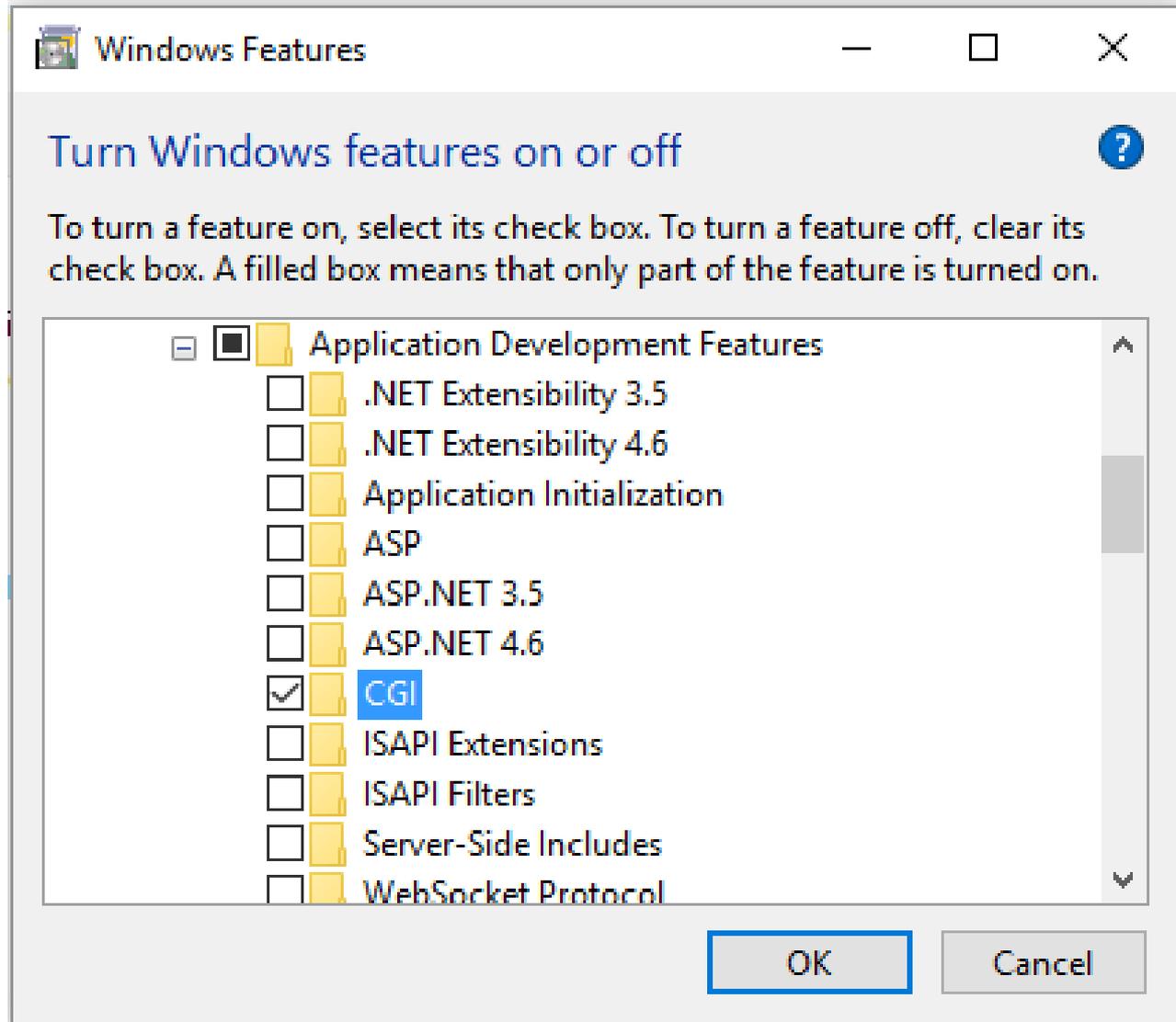
Currently installed programs Total size: 18.2 GB
70 programs installed

IIS Components

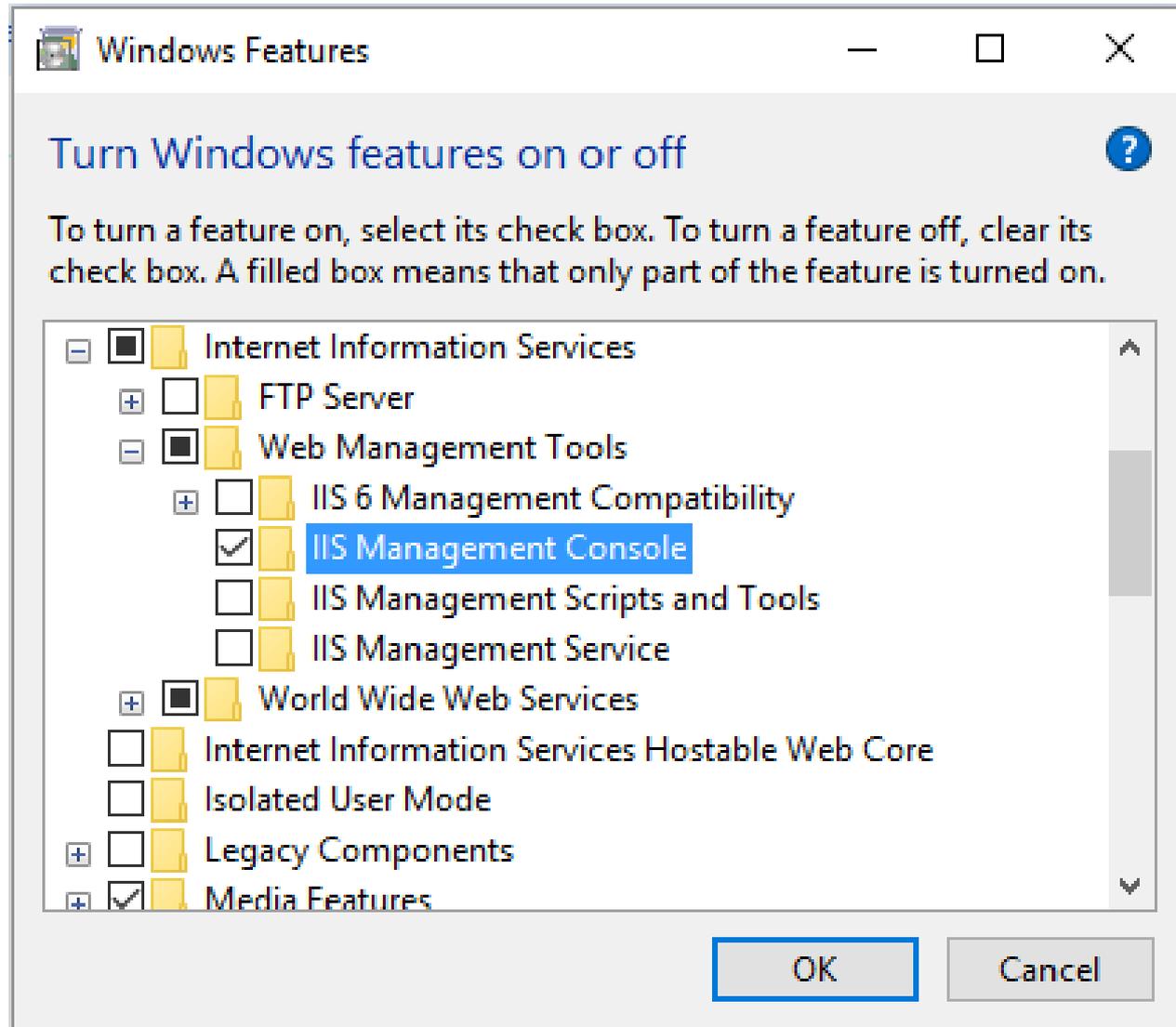
1. Add the IIS components



2. Add the CGI application



3. Add the IIS console to manage the IIS configuration

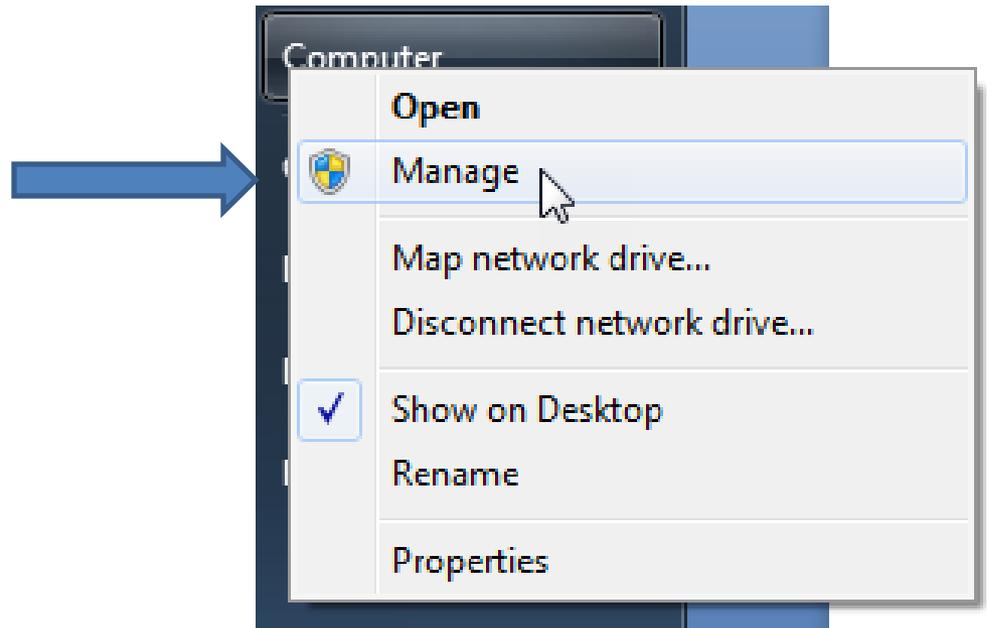


IIS7 MANAGEMENT CONSOLE

- **If the console is not available follow this instructions:**
- IIS 7 provides two Microsoft Management Console (MMC) snap-ins. Use the Internet Information Services (IIS) Manager snap-in to manage a Web server that runs IIS 7. Use the Internet Information Services (IIS) 6.0 Manager snap-in to manage FTP sites on a Web server that runs IIS 7, or for remote management of an IIS 6.0 Web server.
- **Important:**
- It may be necessary to run MMC and the associated snap-ins with elevated user rights even if your account is a member of the Administrators group.
- To open MMC with elevated user rights, click Start, click All Programs, click Accessories, right-click Command Prompt and then point to Run as administrator. In the command prompt that opens, type `mmc.exe` to start MMC. In the console tree of MMC, click File, click Add/Remove Snap-in, select either Internet Information Services (IIS) Manager or Internet Information Services (IIS) 6.0 Manager, and then click Add.

OPEN THE IIS
MANAGEMENT
CONSOLE FROM
THE START MENU
BY TYPING IIS... OR

OPEN THE IIS
MANAGEMENT
CONSOLE SELECTING
THE OPTION
MANAGE FROM THE
POPUP MENU AT THE
COMPUTER ICON

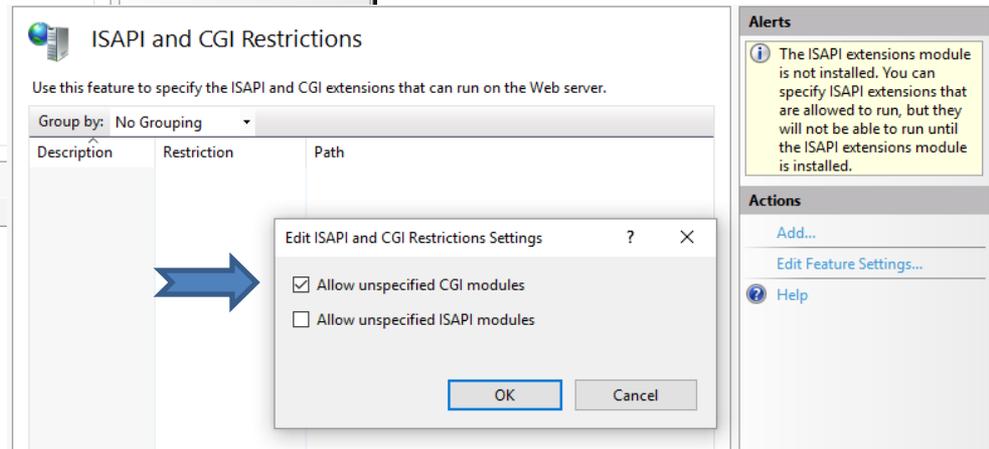
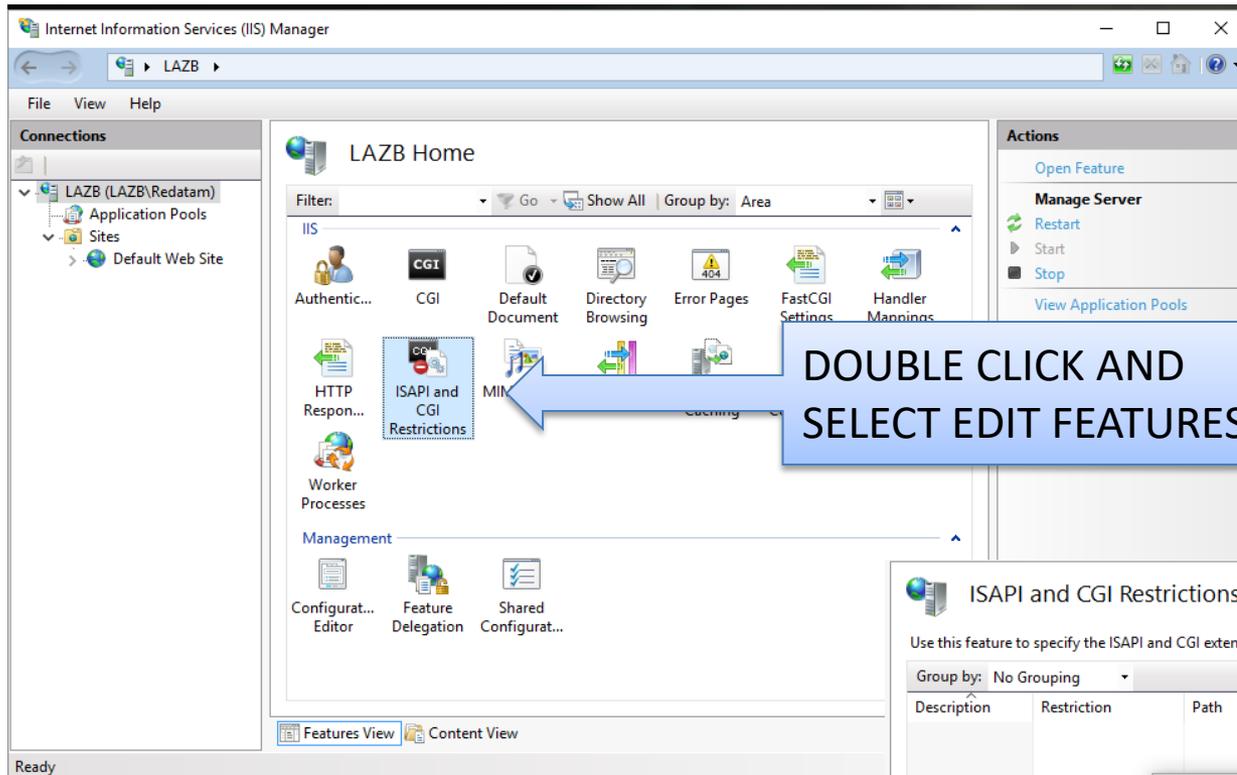


4. IIS console manager

The screenshot displays the Windows Computer Management console. On the left, the tree view shows 'System Tools' expanded to 'Internet Information Services (IIS) Manager'. The main pane shows the 'LAZB Home' website configuration. The 'Connections' pane on the left of the main view shows 'LAZB (LAZB\Redatam)'. The main content area displays a grid of IIS features for the selected website, including: Authentic..., CGI, Default Document, Directory Browsing, Error Pages, FastCGI Settings, Handler Mappings, HTTP Respon..., ISAPI and CGI Restri..., MIME Types, Modules, Output Caching, Server Certificates, WebDAV Authori..., and Worker Processes. On the right, the 'Actions' pane is visible, showing options under 'Manage Server' such as Restart, Start, and Stop, along with other management tasks like 'View Application Pools', 'View Sites', 'Change .NET Framework Version', 'Get New Web Platform Components', and 'Help'.

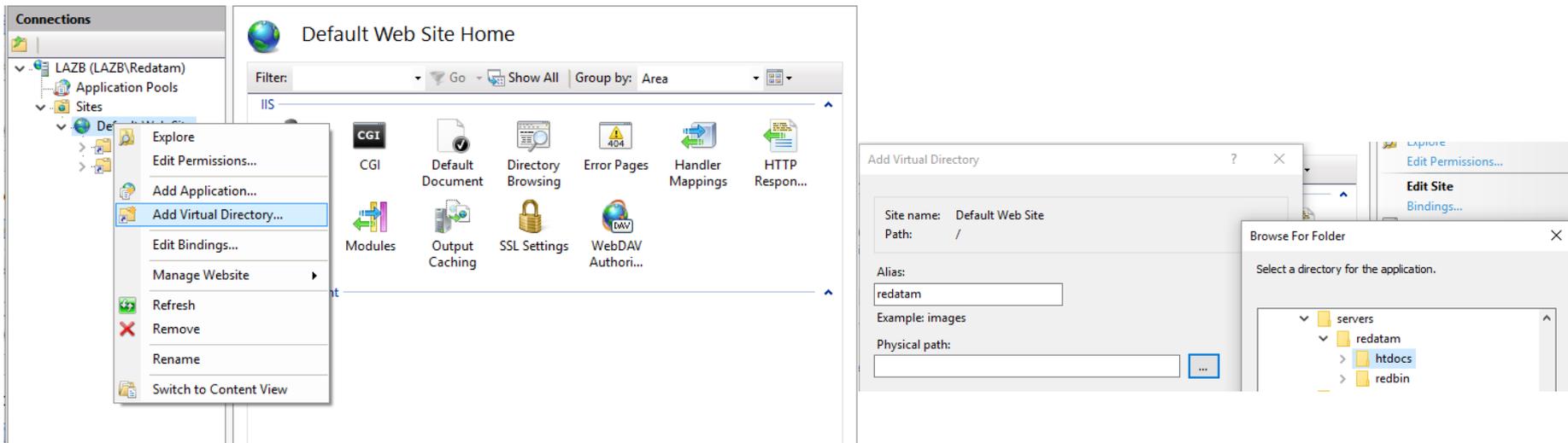
IIS Configuration

Enabling CGI restrictions (at the top level “root” of IIS)



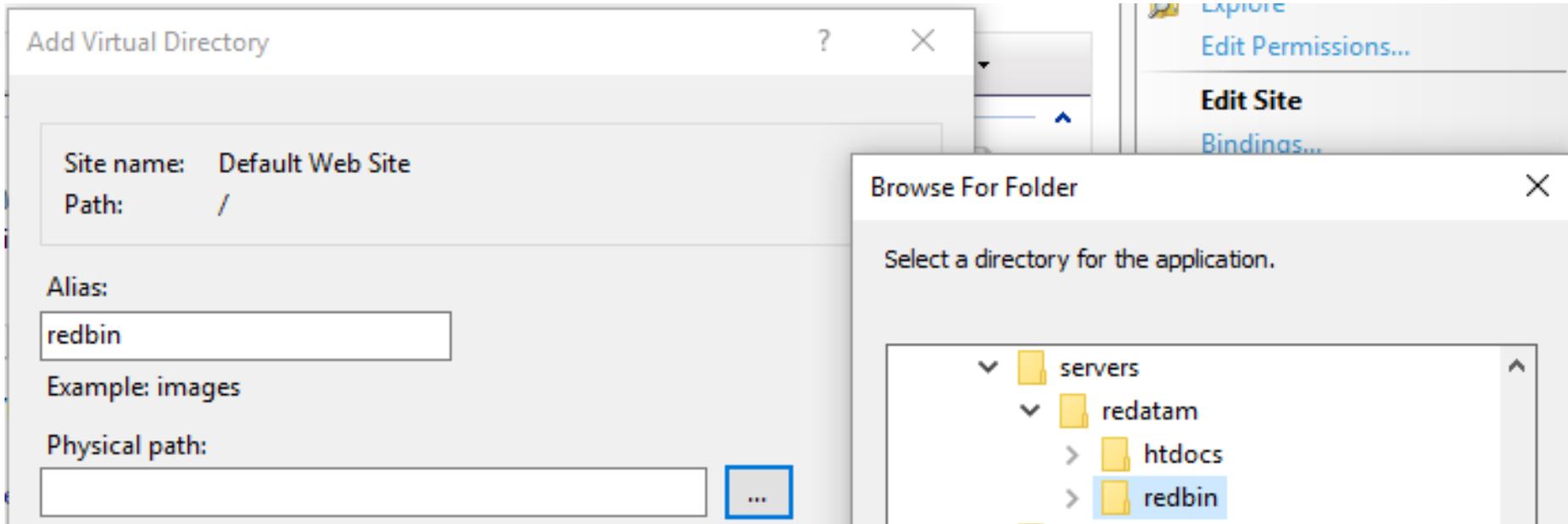
IIS Configuration

Add virtual directory “redatam” - public



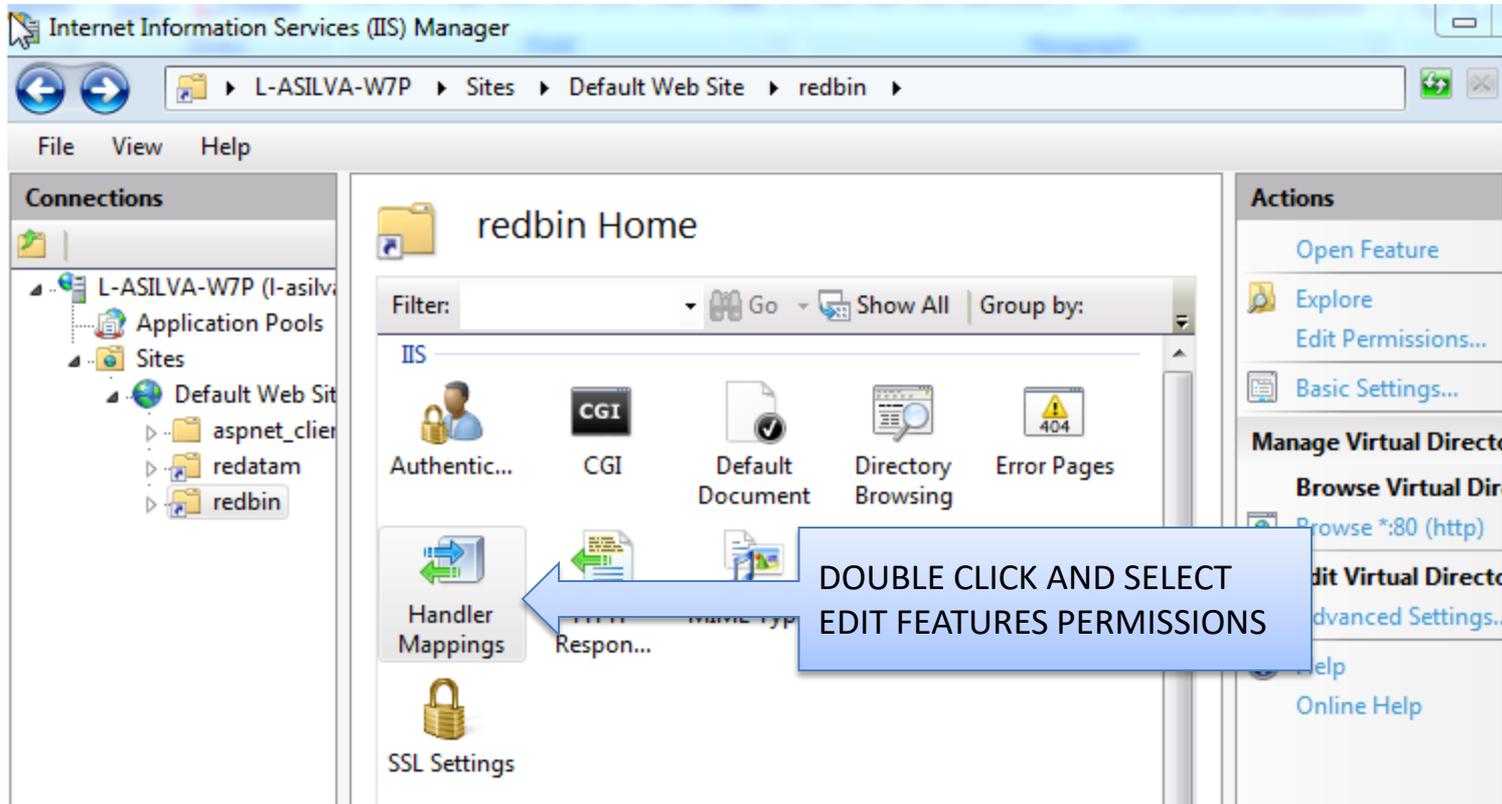
IIS Configuration

Add virtual directory “redbin” - private



IIS Configuration

Edit Feature permissions of “redbin” - private



IIS Configuration

Edit Feature permissions of “redbin” - private

Handler Mappings

Use this feature to specify the resources, such as DLLs and managed code, that handle responses for specific request types.

Group by: State

Name	Type	Handle
Enabled		
OPTIONSVerbHandler	Specified	Protoc
TRACEVerbHandler	Specified	Protoc
StaticFile	or Folder	StaticFi
CGI-exe		CgiMo

Permissions:

- Read
- Script
- Execute

CLICK the boxes

OK Cancel

Actions

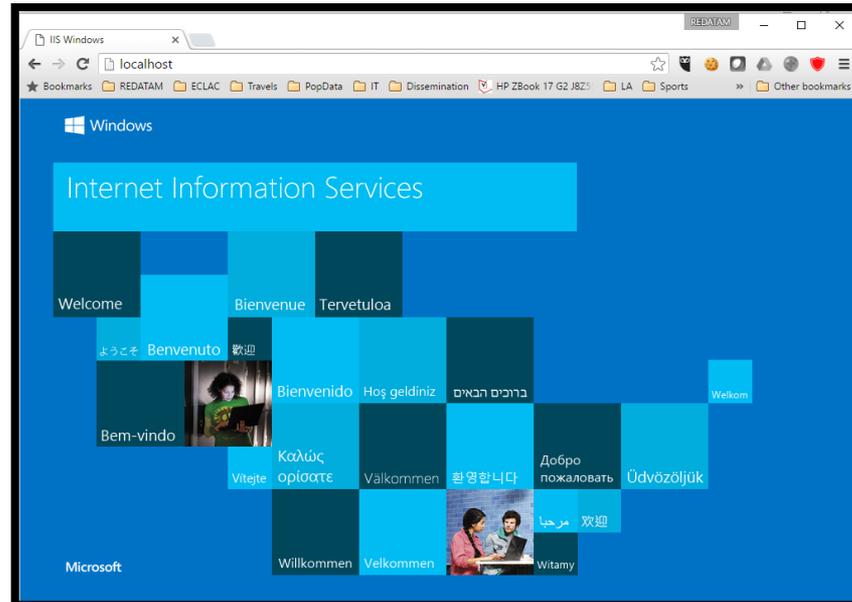
- Add Managed Handler...
- Add Script Map...
- Add Wildcard Script Map...
- Add Module Mapping...
- Edit Feature Permissions...
- Revert To Parent
- View Ordered List...
- Help

Close the console and go back to the browser, reload IIS by typing localhost

Verify that IIS works!!

Using any Internet browser of your choice, access the IIS web server by typing the following:

localhost



Check the Web Server Installation

- Using any Internet browser of your choice, access the REDATAM front page by typing the following:

localhost/redatam



Redatam Webserver

ECLAC

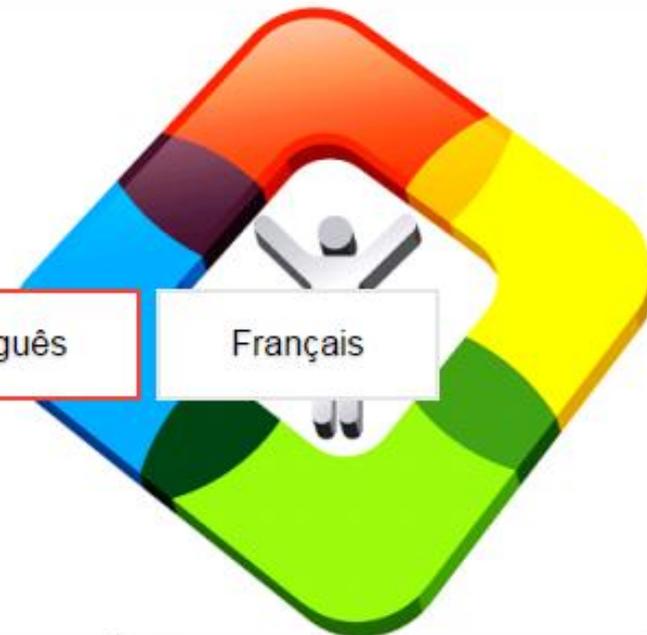
Select Language

English

Español

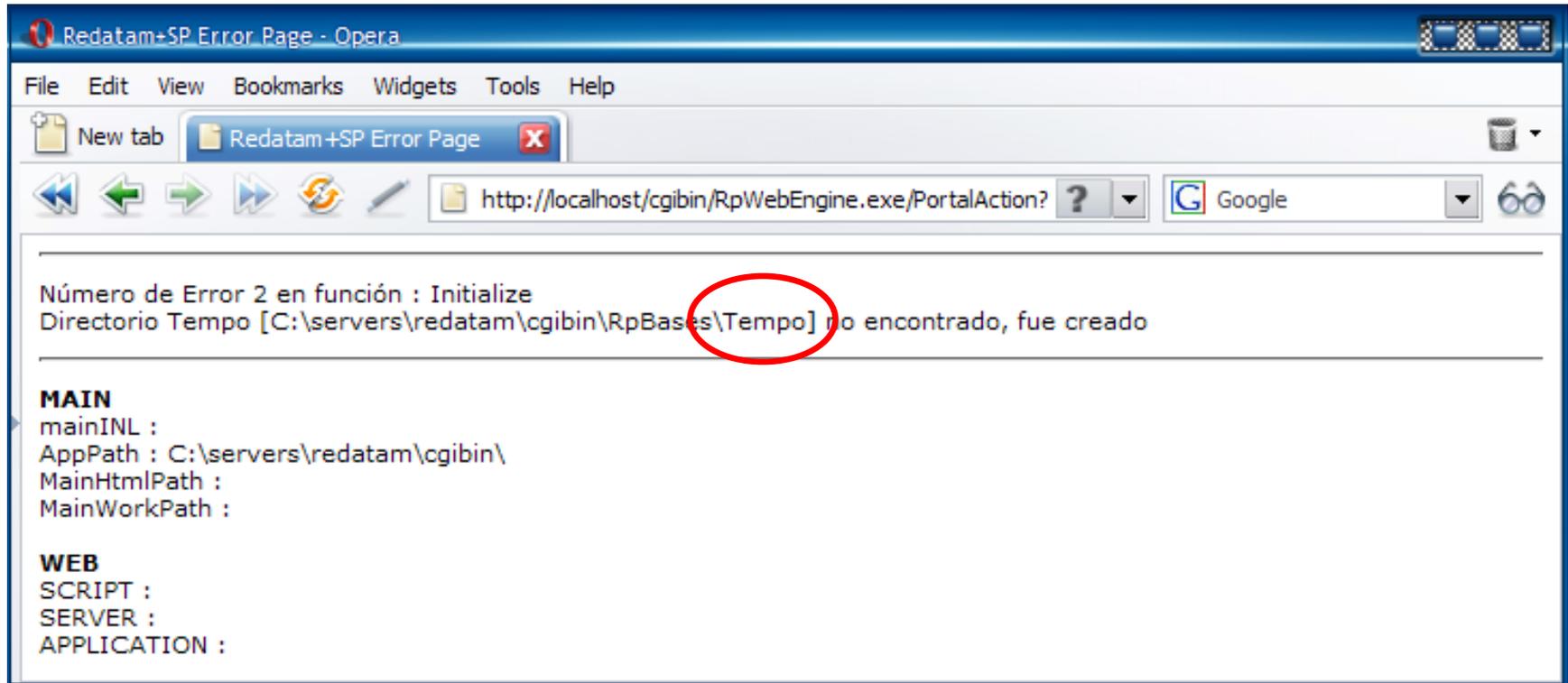
Português

Français



Check the Web Server Installation

- After clicking the **On-Line Process** button the system should display the following screen:



The WebServer application is running and will proceed to create a "Tempo" directory required to store temporary Redatam files.

It is important that this folder is created by the application and not copied or created on the outside by the user.

Refresh the page (F5) to list the available local applications



UNECLAC / CELADE

REDATAM On-Line Process

▼ New Miranda

[xPlan Style](#)

[Plantillas/Templates](#)



Redatam⁷

Fast & Friendly

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Starting from this Redatam web page we will develop an application using a given template that you can modify later on with your own database.