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Installing IIPImage on IIS7

August 2, 2011 3:15 pm Ruven IIS, Server

How To Install IIPImage on Windows 2008/IIS7 – 2008R2/IIS7.5

It is now finally possible to install IIPImage on IIS7 and IIS7.5! Many thanks indeed to Ricardo Valdiviezo for getting this to work and for sending us the following detailed and illustrated tutorial.

Installation

1. First, if it is not already installed, install IIS 7/7.5.
2. Install the FastCGI extension
3. Download the IIPImage Windows package and unzip it into a folder (e.g. "C:\IIPServer")
4. Create a folder called `images` into the folder which was created in step 3
5. Create a new folder called `logs` into the folder which was created in step 3
6. Rename the file `iipsrv.fcgi` to `iipsrv.exe`
7. Now you should be able to see the following folders and files into the folder which was created in the step 3:

Name ▲	Date modified	Type	Size
Images	7/31/2011 6:41 PM	File folder	
Logs	7/31/2011 10:08 AM	File folder	
iipsrv.exe	4/19/2011 2:54 PM	Application	679 KB
libfcgi.dll	4/8/2011 8:26 PM	Application extension	238 KB
msvcp100.dll	4/8/2011 8:26 PM	Application extension	412 KB
msvcr100.dll	4/8/2011 8:26 PM	Application extension	753 KB
zlib1.dll	4/8/2011 8:26 PM	Application extension	98 KB

Folders and files created in previous step

Configure FastCGI

8. Open your Internet Information Service Manager and click on the server icon, then open the FastCGI Settings:


IIS Manager - FastCGI configuration
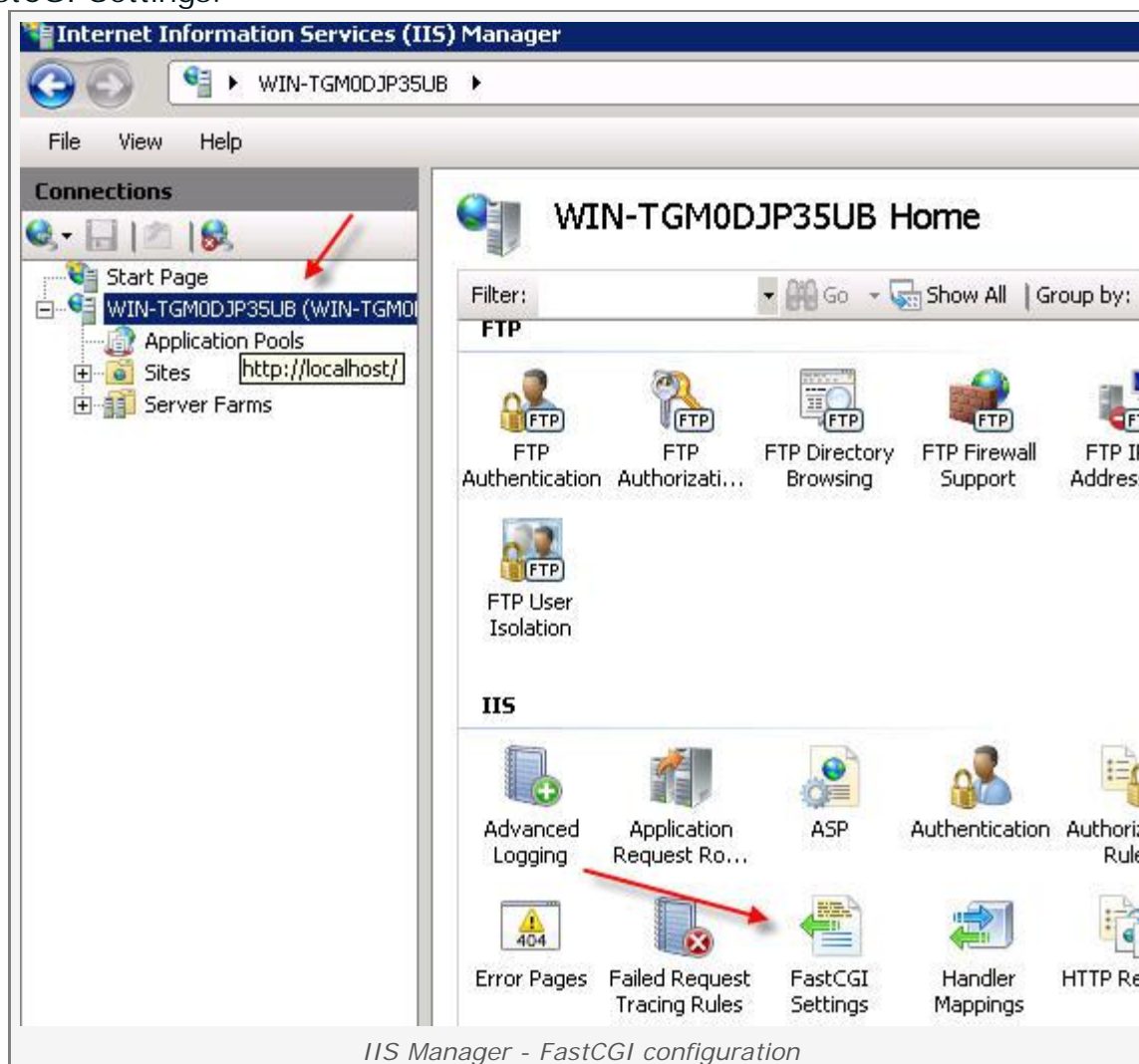
9. Give permissions to new folders and files

   This is a variable based on the authentication scheme selected for the website. For AppPoolIdentity you need assign the following permissions to the various directories you have created and to the dlls and .exe files:
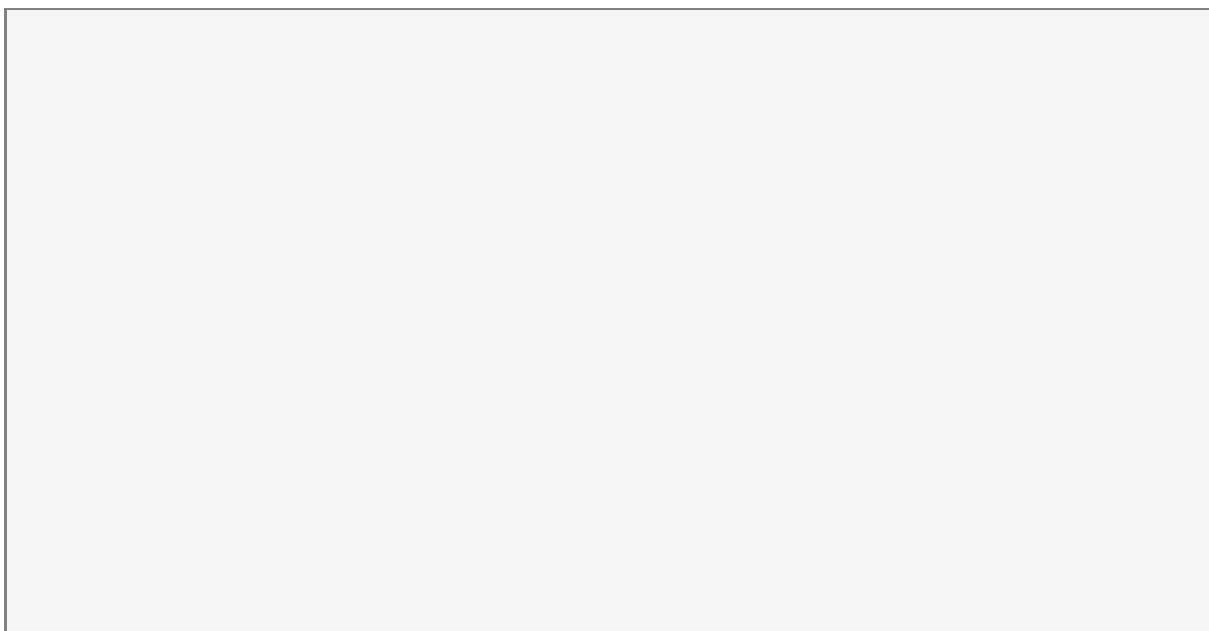
   C:\IIPServer

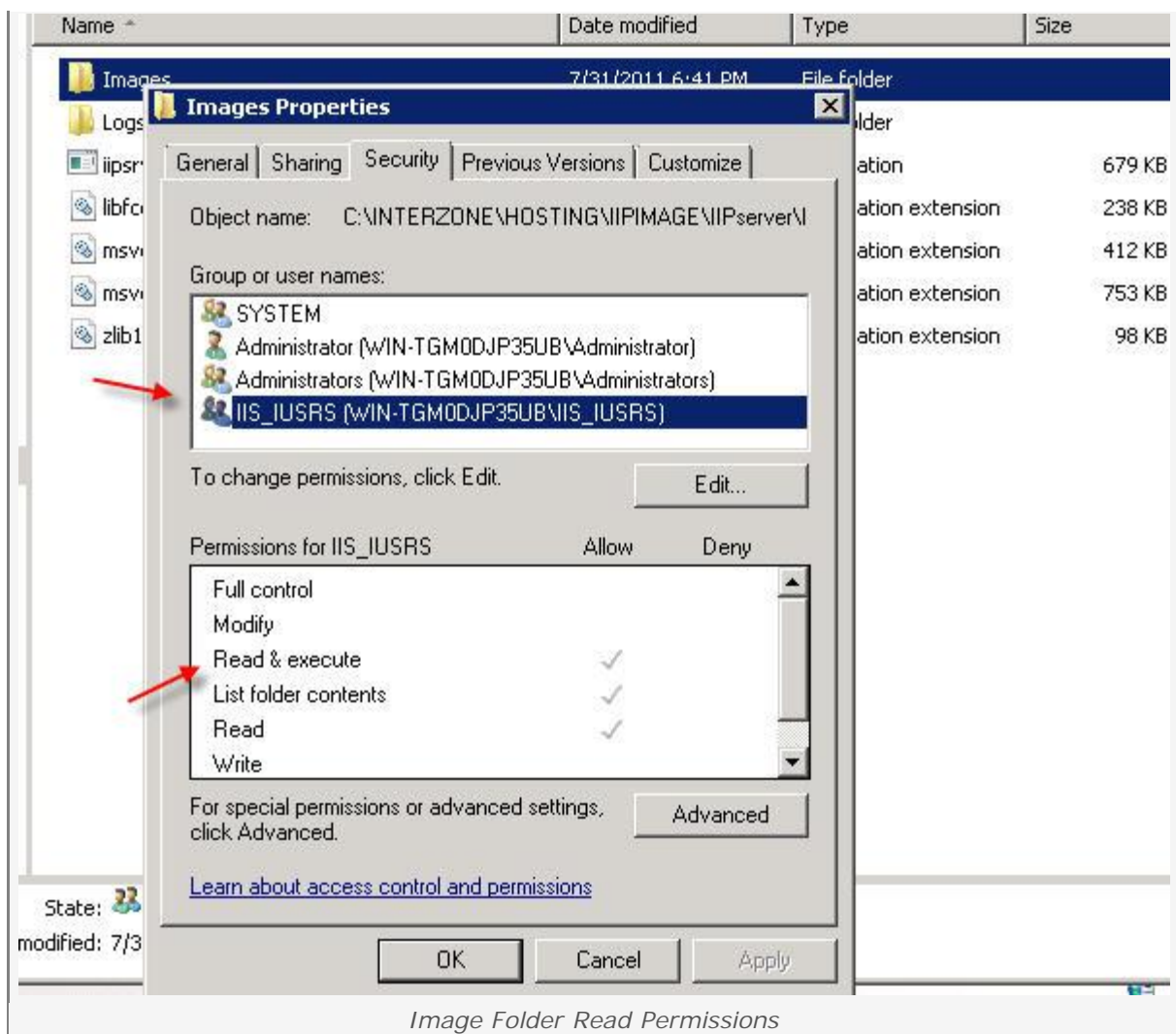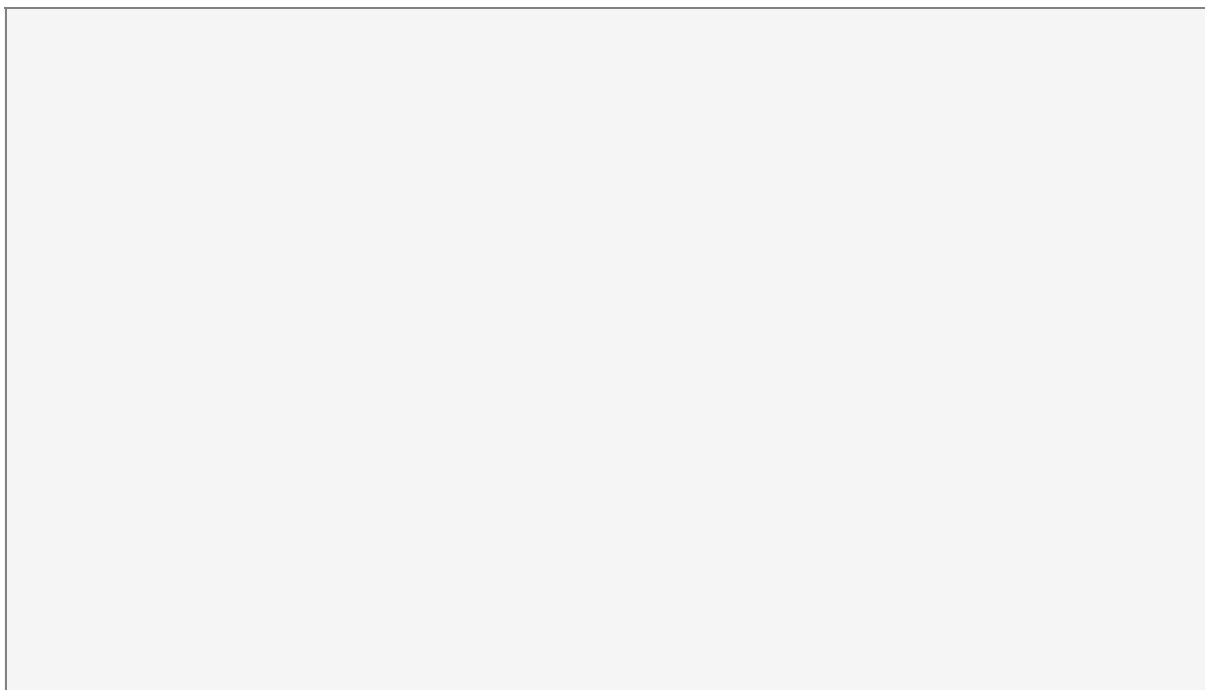   For dlls and exe files give execute permissions for IIS_IUSRS user:

Execute Permissions for DLLs and EXEs
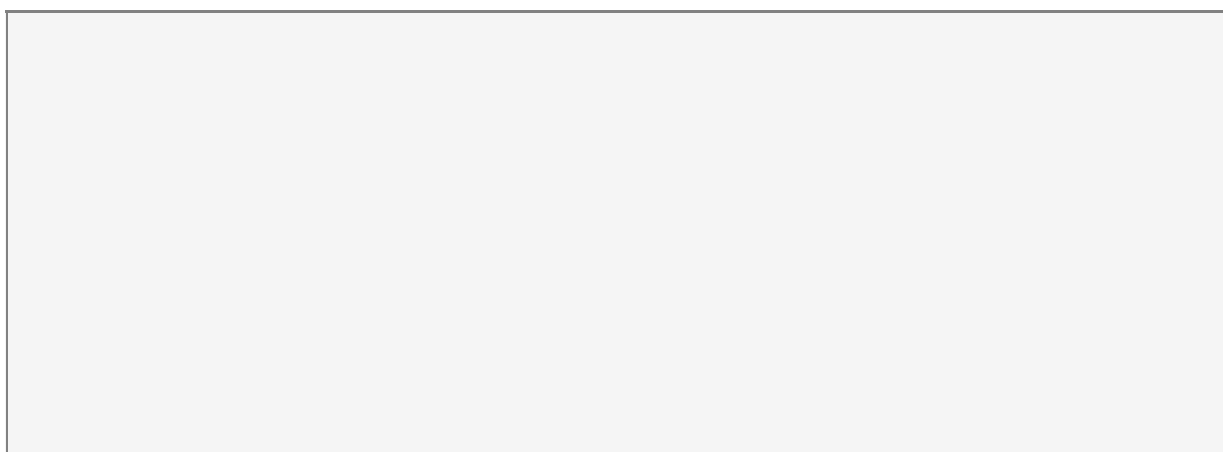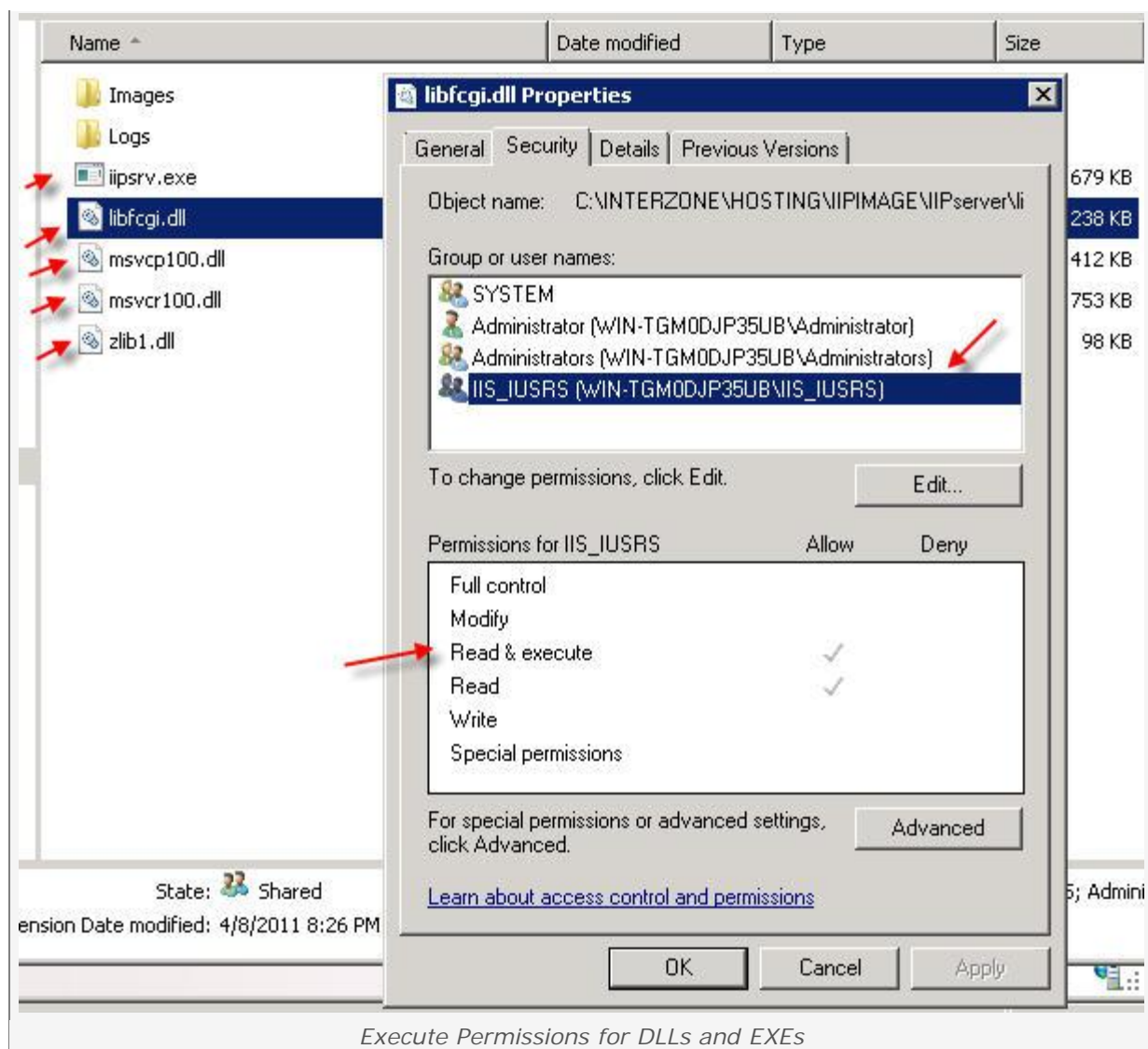
C:\IIPServer\Images
Only read permission is required for your images directory:

Image Folder Read Permissions

C:\IIPServer\Logs
Write permission must be allowed for the **IIS_IUSRS** user for logging:

Log Permissions
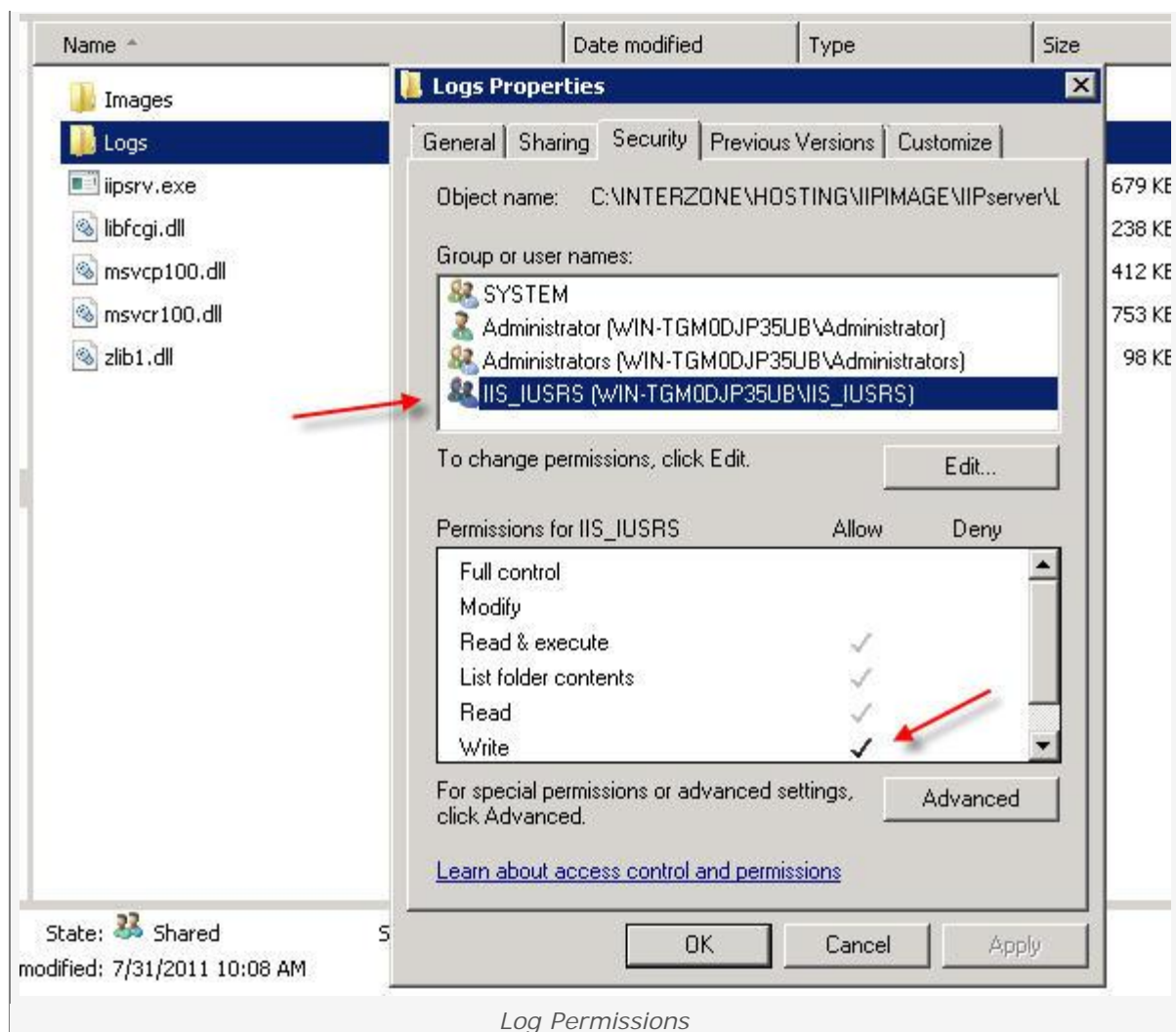
Application Configuration

10. Add a new Application and configure it.

   10.1 Click on **Add Application** in the **Actions** pane.

   10.2 Enter the full path of the file "iipsrv.exe" (e.g. `c:\iipServer\iipsrv.exe`)

   10.3 Leave **Arguments** empty.

   10.4 In **FastCGI Properties** add various FCGI parameters.

   For example:

```
- Instance MaxRequest : 200
- Standard Error Mode: ReturnStdErrIn500
- Activity TimeOut: 30
- Idle Timeout: 300
- Queue Length: 1000
```

   And so on. You can change these values at any time and tailor them to your needs.

   10.5 Now configure the IIPImage server parameters. For IIS7/7.5, unlike IIS6, there is

no `fcgiext.ini` file, so you will need to enter these parameters as Environment variables individually. See the [server documentation](#) for a full list of available parameters.
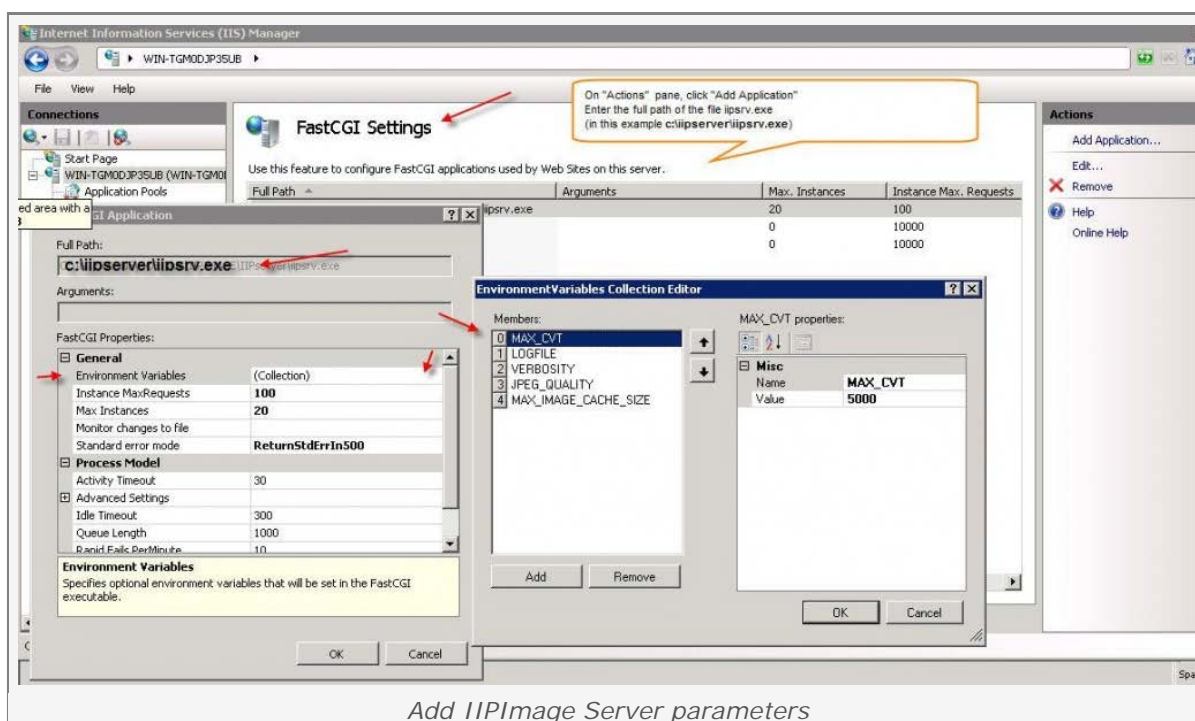
Add IIPImage Server parameters

Site configuration

11. You need to configure a "Handler Mappings" for the new extension ".fcgi" or any other do you want. This can be configured at Server level, Site level, directory or virtual directory level. In this example we configure it as virtual directory.
12. Create a Virtual Directory (fcgi-bin)
13. Create an empty file **iipsrv.fgci** inside this new directory. (You may name this something else if you wish)
14. Create a **Handler Mapping**:
    1. In the **Actions** pane click **Add Module Mapping**
    2. In **Request path** enter `*.fcgi`
    3. In **Module** select `FastCGIModule`
    4. On **Executable (optional)**" enter the full path of the exe file, e.g. `c:\iipServer\iipsrv.exe` (This is **NOT** in fact optional for IIPImage)
    5. Click **Request Restrictions** then on **Access** tab, select `Execute`
    6. Click `OK`, `OK` and accept the Warning message that will appear.
15. Copy the client samples into the website (It can be copied at any location, not necessarily in a virtual directory)
16. To test with `IIPZoom 0.2`, adjust the following javascript vars:

```
//This is the path to your empty file created in step 13
var server = "/fcgi-bin/iipsrv.fcgi";

//This is the full path to your source TIFF image
var image = "/IIPServer/images/flower2T.tif";
```

Optionally, on IIS 7/7.5 you can configure the "Application Request Routing Cache" in order to
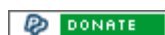
improve its performance.

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