

# Operation Sheet 3.3 : FTP Server in Windows Server 2012 R2

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## Operation Sheet 3.3

### Installing and Configuring FTP Server in Windows 2012 Server

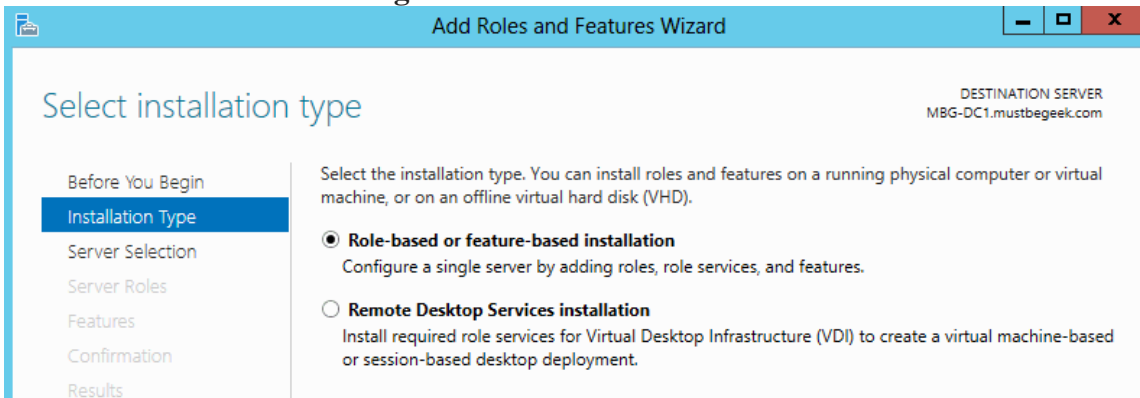
**Objectives:** After the end of the activity, the students will be able to:

- Install and Configure FTP Server
- Integrate FTP Serve with IIS Web Server
- Test FTP server from the client using FileZilla

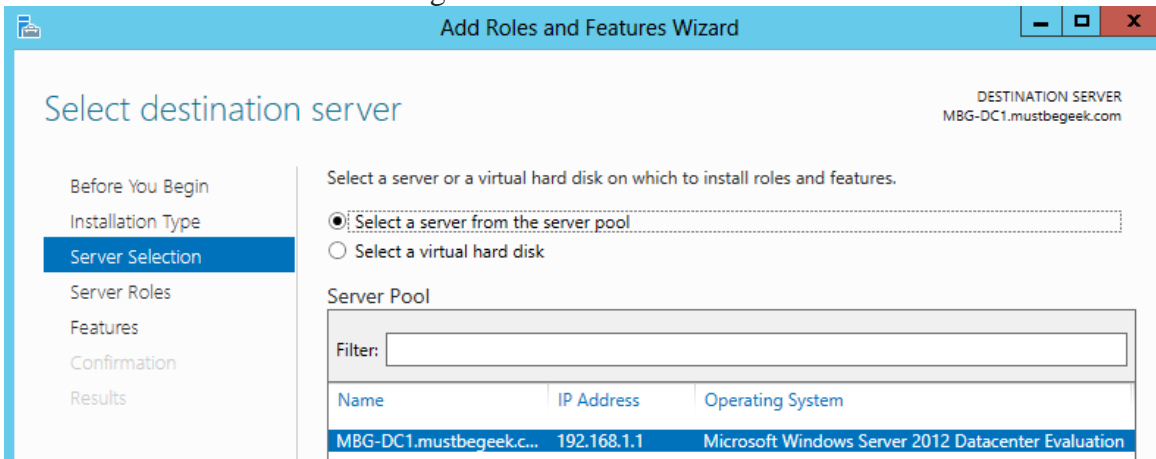
#### Procedure:

FTP (File Transfer Protocol) is a very popular protocol that allows users to upload and download files easily. At first, install the FTP server role. In Server 2012, you can install FTP server role under the IIS server role.

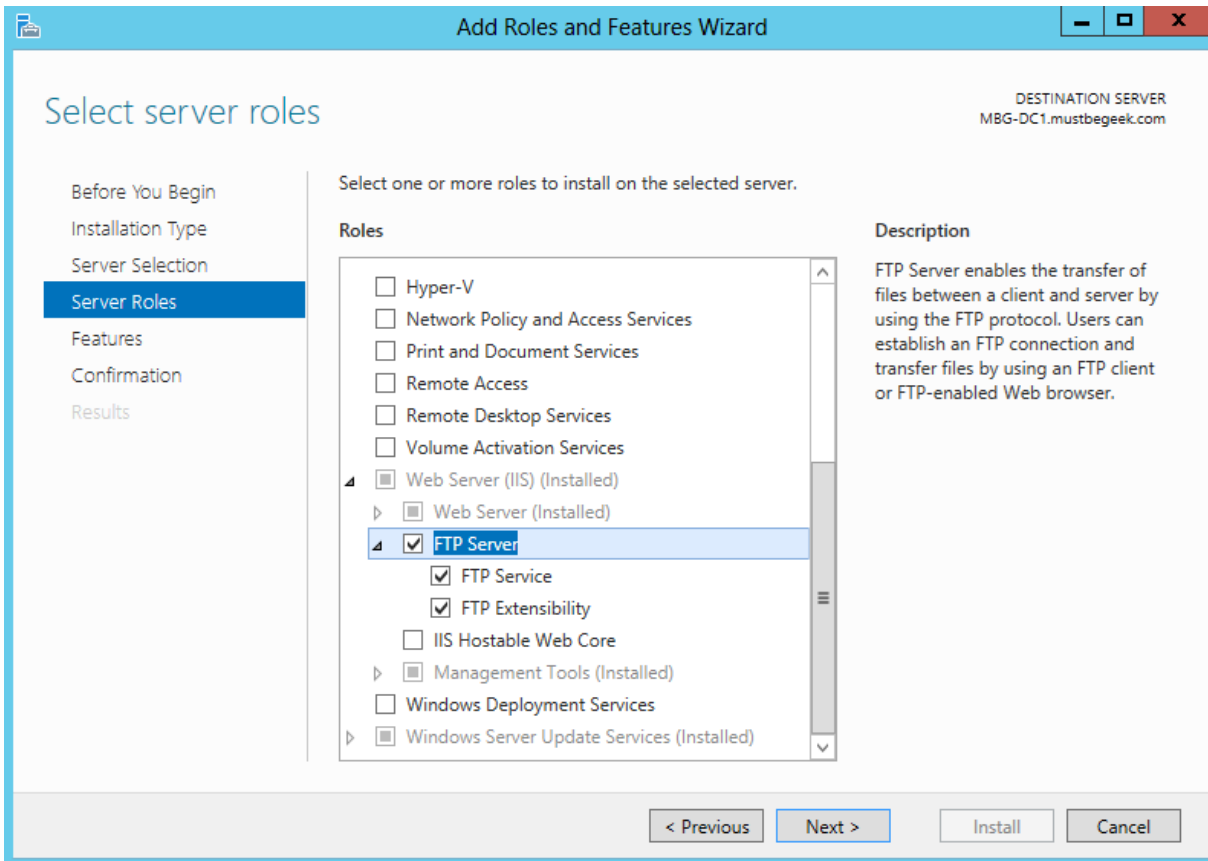
**Step 1: Open Server Manager. On the menu, click Manage and click Add Roles and Features. Click Next on Before You Begin window. Click Role-based or feature based installation and click Next.**



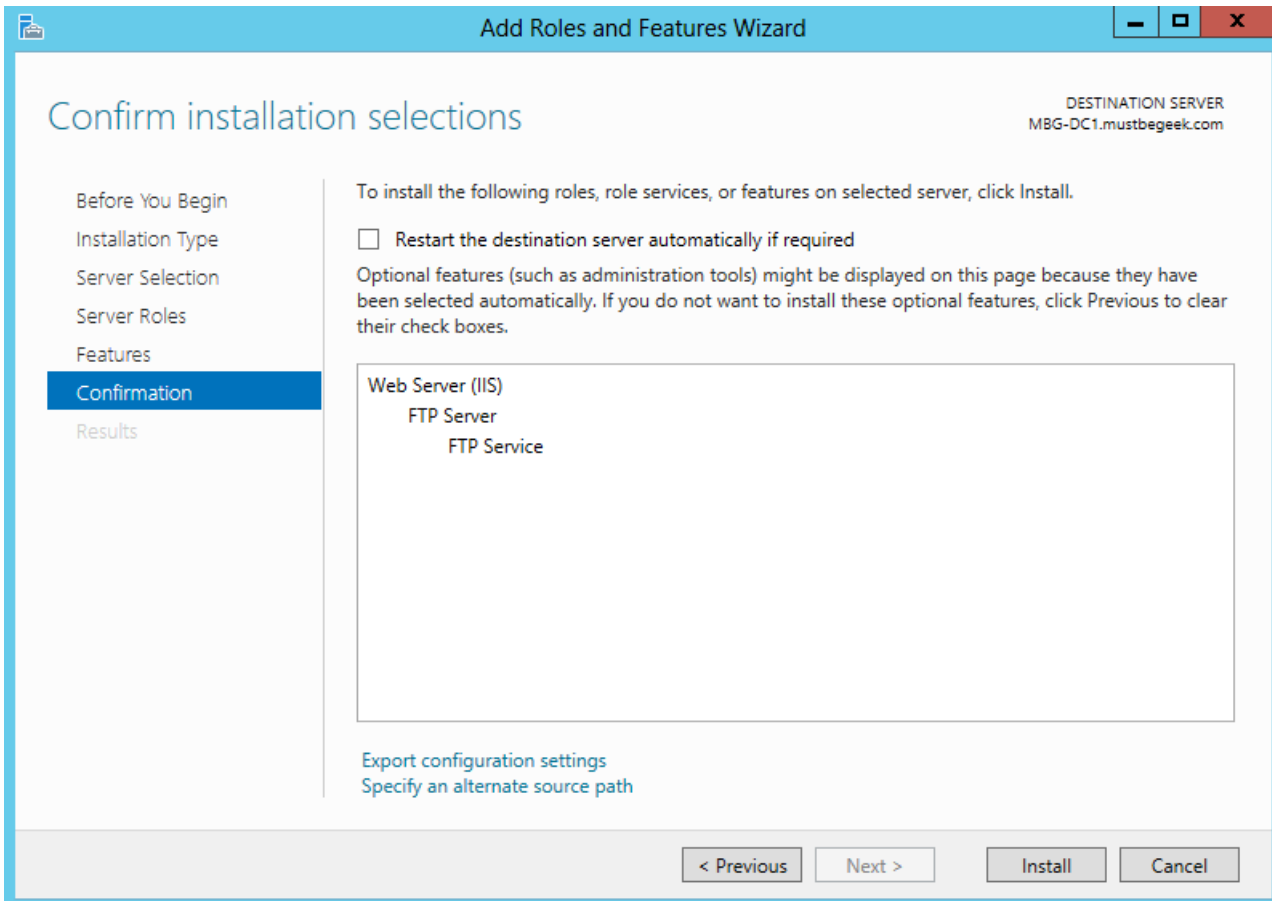
Select the server and click **Next** again.



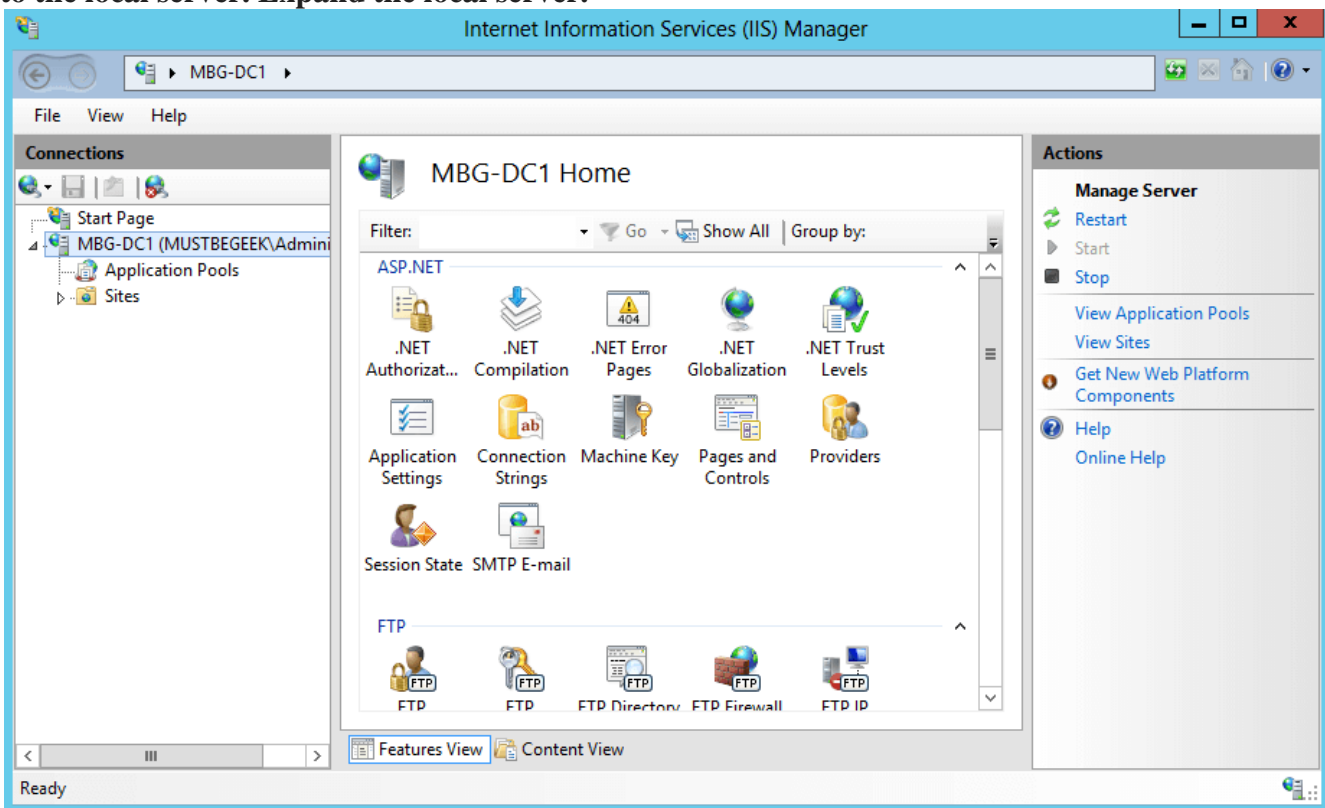
**Step 2: Now, expand the web server (IIS) role. Select the FTP server and click Next.**



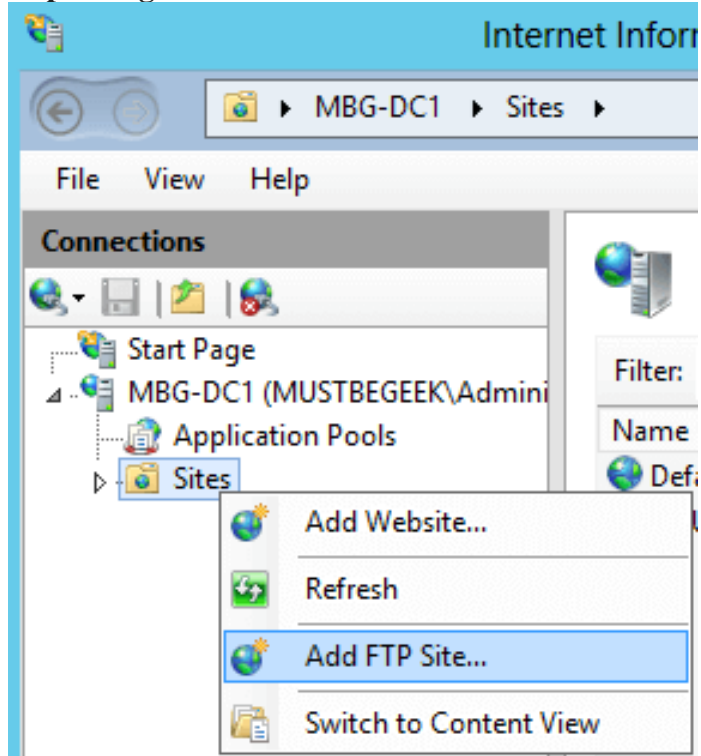
**Step 3:** We don't need to add any features, so click Next again. Click Finish on the Confirmation window.



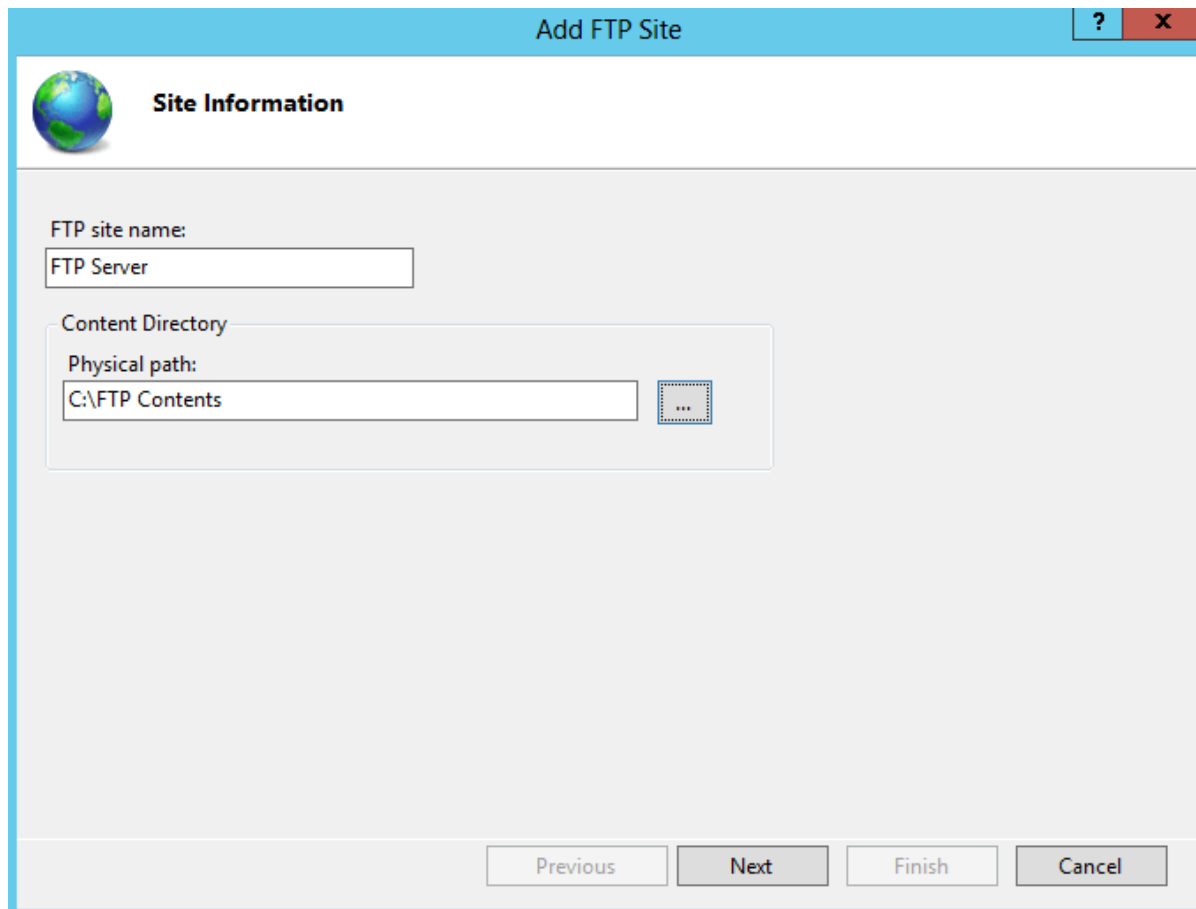
**Step 4: After installing FTP server role, open the Internet Information Services (IIS) console. Connect to the local server. Expand the local server.**



**Step 5: Right-click the sites and click Add FTP Site.**




**Step 6: Now type the name for the FTP site. Configure the folder where the files will be stored. Create some files in the folder for test purpose. I will create a file and a folder. These files will be accessed via FTP client by users. Now click Next.**



**Step 7: Configure the IP address of this server. The IP address must match the address configured in the network adapter of this server. This IP address will be used by client to access the FTP server. Check the start FTP site automatically. Choose No SSL and click Next.**

Add FTP Site ? X

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 **Binding and SSL Settings**

**Binding**

IP Address:  Port:

Enable Virtual Host Names:  
Virtual Host (example: ftp.contoso.com):

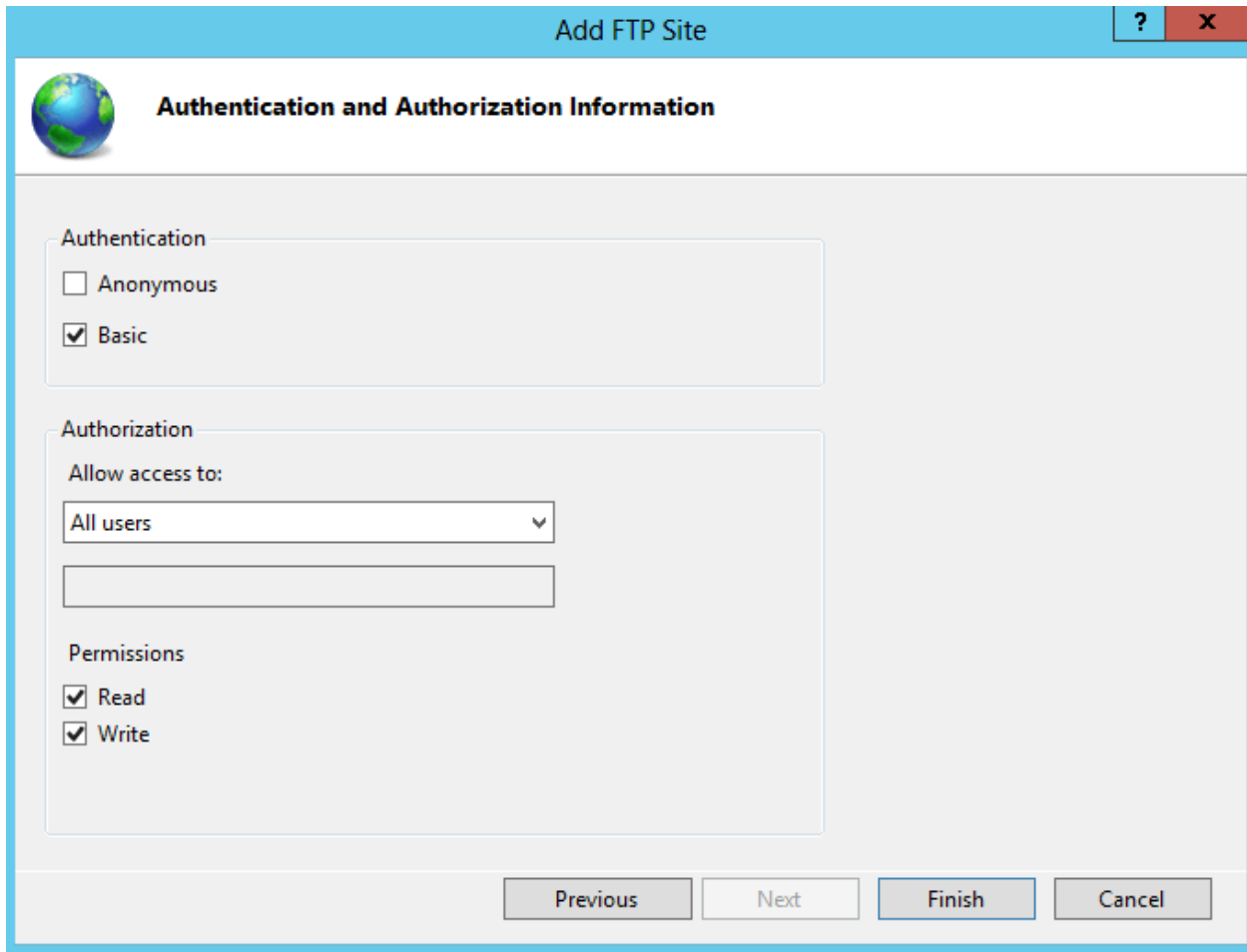
Start FTP site automatically

**SSL**

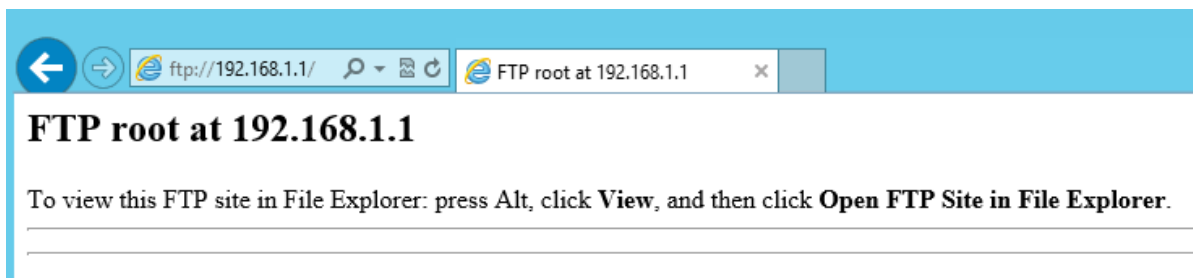
No SSL  
 Allow SSL  
 Require SSL

SSL Certificate:

**Step 8: Choose Basic for authentication. Basic authentication doesn't use encryption mechanism so username/password are sent in clear text. By default, basic authentication matches username/password from Active Directory database or you can create user accounts in IIS. You can create users in IIS after installing Management Server under Management Tools which is in Web Server (IIS) role. Under authorization, select all users to allow FTP access to all users of the domain. Check both read and write under permissions.**



**Step 9:** Now browse FTP server from the client machine. Type the IP address on the browser as *ftp://192.168.1.1/*. It will show the following page.



### **Step 10: Using FileZilla to upload file from the client machine**

To Connect to Your Web Server

- a) In the FileZilla Quick Connect bar at the top of the page, enter your Web site URL in the Hostfield. For example, **www.tveti.com**
- b) Enter your FTP user name and password (you can leave the Port field blank).
- c) 3. Click Quickconnect.



Host:  Username:  Password:  Port:   ▼

- d)
- e) While FileZilla connects to your Web server, a number of messages display in the messlog. To Transfer Your Web Site, in the Local Site pane, navigate to the location of your Web site.
- f) Select the files you want to upload to your Web site. You can select multiple files by holding down the Ctrl key and clicking on the files you want.
- g) Drag the files you want to transfer from the Local Site pane to the Remote Site pane.
- h) FileZilla automatically transfers your files to your Web site.
- i) When you are finished uploading your files, close FileZilla and check your Web site in your favorite browser to make sure that your files uploaded correctly.