

The logo for centralpoint, with "central" in white and "point" in yellow, both in a bold, sans-serif font. The background of the header image is a blurred server room with blue and yellow light spots.

## Microsoft Azure – FTP Setup Guide



## Create an Account with Microsoft Azure

<https://portal.azure.com>

## Create a Virtual Machine

**Example:** Create virtual machine

1. Click **Create a resource** in the upper left-hand corner of the Azure portal.
2. Select **Compute**, and then select **Windows Server 2016 Datacenter**.
3. Enter the virtual machine information. The user name and password entered here is used to log in to the virtual machine. The password must be at least 12 characters long and meet the defined complexity requirements. Choose a Location such as East US 2 that supports availability zones. When complete, click OK.

The screenshot shows the Microsoft Azure portal interface for creating a new virtual machine. The browser address bar displays `portal.azure.com/#create/Microsoft.WindowsServer2016Datacenter-ARM`. The page title is "Microsoft Azure" and the breadcrumb navigation shows "New > Compute > Create virtual machine > Basics".

On the left, a sidebar lists the steps of the wizard: 1 Basics (Configure basic settings), 2 Size (Choose virtual machine size), 3 Settings (Configure optional features), and 4 Summary (Windows Server 2016 Datacenter...). The "Basics" step is currently selected.

The main content area is titled "Basics" and contains the following fields and options:

- Name:** `myVM` (with a green checkmark icon).
- VM disk type:** `SSD` (selected from a dropdown menu).
- User name:** `azureuser` (with a green checkmark icon).
- Password:** `*****` (with a green checkmark icon).
- Confirm password:** `*****` (with a green checkmark icon).
- Subscription:** `Windows Azure MSDN - Visual Studio Ultin` (selected from a dropdown menu).
- Resource group:** `myResourceGroup` (with a green checkmark icon). The options are ☒ Create new and ☐ Use existing.
- Location:** `East US 2` (selected from a dropdown menu).

Below these fields, there is a "Save money" section with the text "Save up to 40% with a license you already own." and a question "Already have a Windows Server license?" with ☐ Yes and ☒ No options.

At the bottom of the form is a blue "OK" button.

4. Choose a size for the VM. Select a recommended size, or filter based on features. Confirm the size is available in the zone you want to use.

Choose a size

Browse the available sizes and their features

Search: DS Compute type: General purpose Supported disk type: SSD Minimum vCPUs: 1

RECOMM...	SKU	TYPE	VCPUS	GB RAM	DATA DI...	MAX IOPS	LOCAL SS...	RDMA S...	PREMIU...	GRAPHICS	ZONES	USD/MO...
★	DS1_v2	Standard	1	3.5	4	3200	7 GB		✓		1,2,3	\$91.51
	DS2_v2	Standard	2	7	8	6400	14 GB		✓		1,2,3	\$183.02
	DS3_v2	Standard	4	14	16	12800	28 GB		✓		1,2,3	\$365.30
	DS4_v2	Standard	8	28	32	25600	56 GB		✓		1,2,3	\$731.35
	DS5_v2	Standard	16	56	64	51200	112 GB		✓		1,2,3	\$1,392.77
	DS2_v2	Promo	2	7	8	8000	14 GB		✓		1,2,3	\$156.98
	DS3_v2	Promo	4	14	16	16000	28 GB		✓		1,2,3	\$313.97
	DS4_v2	Promo	8	28	32	32000	56 GB		✓		1,2,3	\$628.88
	DS5_v2	Promo	16	56	64	64000	112 GB		✓		1,2,3	\$1,257.36
	DS1	Standard	1	3.5	4	3200	7 GB		✓		2,3	\$96.72
	DS2	Standard	2	7	8	6400	14 GB		✓		2,3	\$193.44
	DS3	Standard	4	14	16	12800	28 GB		✓		2,3	\$386.88
	DS4	Standard	8	28	32	25600	56 GB		✓		2,3	\$773.76

5. Under **Settings** > High availability (Not required), select one of the numbered zones from the **Availability zone** dropdown, keep the remaining defaults, and click **OK**.

Settings

High availability

Availability zone ①

2

Storage

Use managed disks ①

No Yes

Network

\* Virtual network ①

(new) myResourceGroup9-vnet

\* Subnet ①

default (172.16.4.0/24)

\* Public IP address ①

(new) myVM-ip

\* Network security group (firewall) ①

(new) myVM-nsg

6. On the summary page, click **Create** to start the virtual machine deployment.

7. The VM will be pinned to the Azure portal dashboard. Once the deployment has completed, the VM summary automatically opens.

## Confirm zone for managed disk and IP address

When the VM is deployed in an availability zone, a managed disk for the VM is created in the same availability zone. By default, a public IP address is also created in that zone.

You can confirm the zone settings for these resources in the portal.

1. Click **Resource groups** and then the name of the resource group for the VM, such as myResourceGroup.
2. Click the name of the Disk resource. The **Overview** page includes details about the location and availability zone of the resource.

Home > myResourceGroup > myVM\_OsDisk\_1\_9b339ea95c8a485183a6afc1324c8e7e

myVM\_OsDisk\_1\_9b339ea95c8a485183a6afc1324c8e7e

Search (Ctrl+/) Save Discard Create snapshot Create VM Export Move Delete

Overview

Activity log

Access control (IAM)

Tags

SETTINGS

Locks

Automation script

SUPPORT + TROUBLESHOOTING

New support request

NAME

myVM\_OsDisk\_1\_9b339ea95c8a485183a6afc1324c8e7e

DISK STATE

Attached

\* Account type

Premium (SSD)

\* Size (GiB)

128

Disks can be resized or account type changed only when they are unattached or the owner VM is deallocated.

ESTIMATED PERFORMANCE

IOPS limit 500

Throughput limit (MB/s) 100

OWNER VM

myVM

OPERATING SYSTEM

Windows

SOURCE IMAGE

MicrosoftWindowsServer / WindowsServer / 2016-Datacenter / 2016.127.20171217

TIME CREATED

3/13/2018 2:26:24 PM

RESOURCE GROUP

MYRESOUREGROUP9

LOCATION

East US 2

AVAILABILITY ZONE

2

- Click the name of the Public IP address resource. The **Overview** page includes details about the location and availability zone of the resource.

The screenshot shows the Azure portal interface for a Public IP address resource named 'myVM-ip'. The breadcrumb navigation at the top indicates the path: Home > myResourceGroup9 > myVM-ip. The left sidebar contains a search bar and a list of navigation options: Overview (highlighted with a red box), Activity log, Access control (IAM), Tags, and SETTINGS. The main content area displays the 'Essentials' section for the resource. It includes a search bar, action buttons (Associate, Dissociate, Move, Delete), and a list of resource details. The 'Location' is highlighted with a red box and shows 'East US 2 (Zone 2)'. Other details include the Resource group (myResourceGroup9), SKU (Basic), IP address (40.70.67.133), DNS name (-), Subscription name (Internal), and Subscription ID (XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXX). The resource is associated with a virtual machine named 'myVM'.

## Configuring Networking

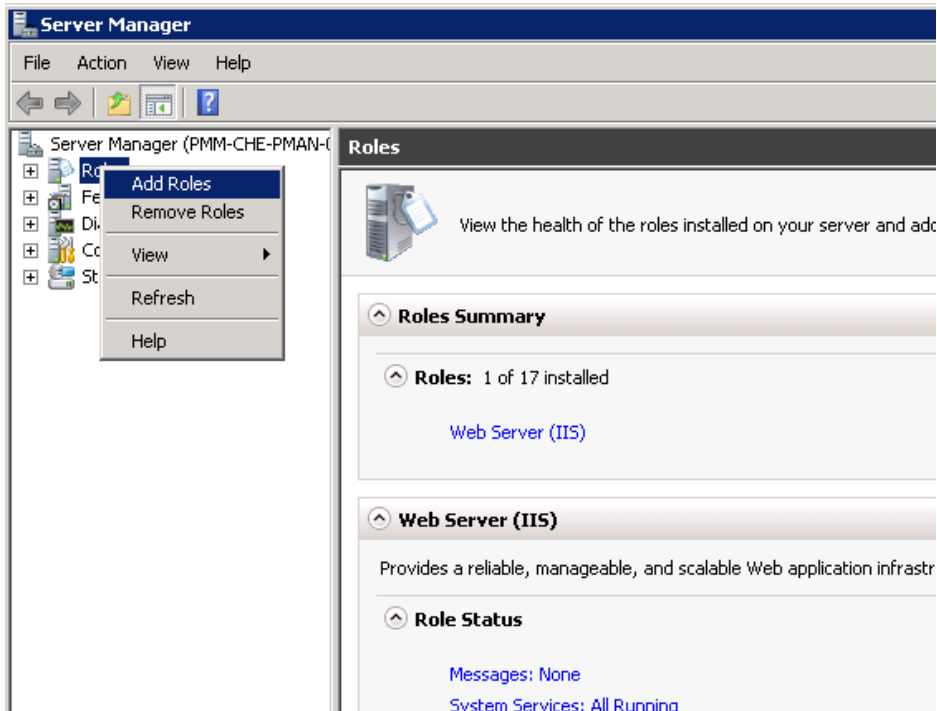
PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINATION	ACTION	
100	Port_8080	80	Any	Any	Any	✔ Allow	...
110	Port_3389	3389	Any	Any	Any	✔ Allow	...
120	Port_21	21	Any	Any	Any	✔ Allow	...
130	Port_3389	22	Any	Any	Any	✔ Allow	...
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	✔ Allow	...
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	✔ Allow	...

## Enabling FTP in Windows

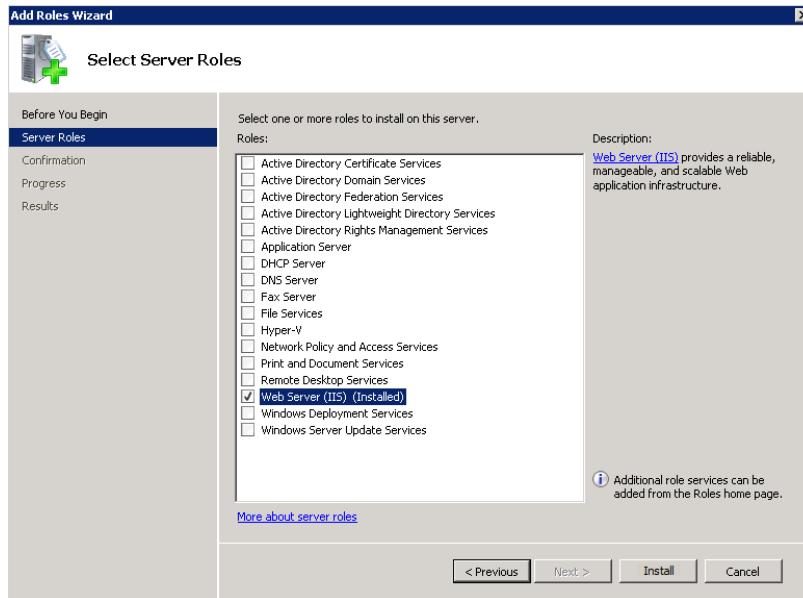
In this example, we will use Windows Server 2008 R2 to configure FTP.

If IIS is not installed,

1. Navigate to **Start > Control Panel > Administrative Tools > Server Manager** in Windows Server Manager
2. Go to **Roles** node. Right-click on **Roles**, and click **Add Roles**.



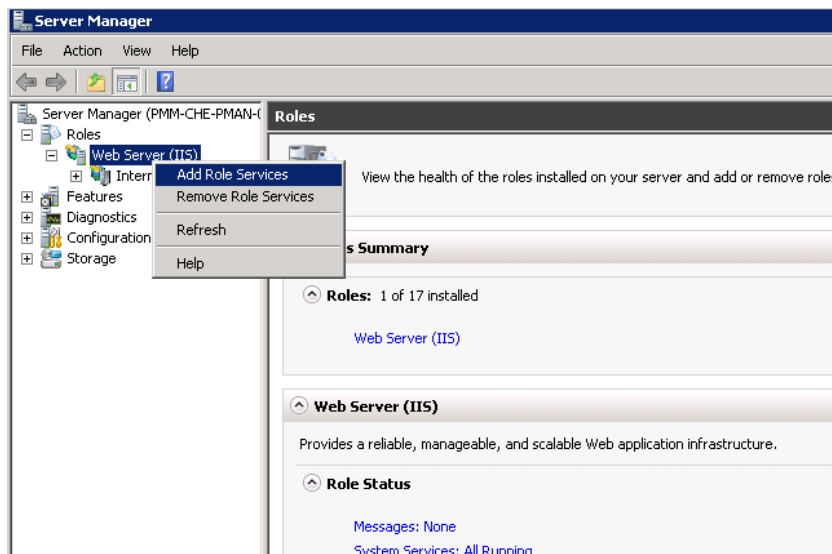
3. Right-click on Web Server (IIS), and click on Add Role Services.



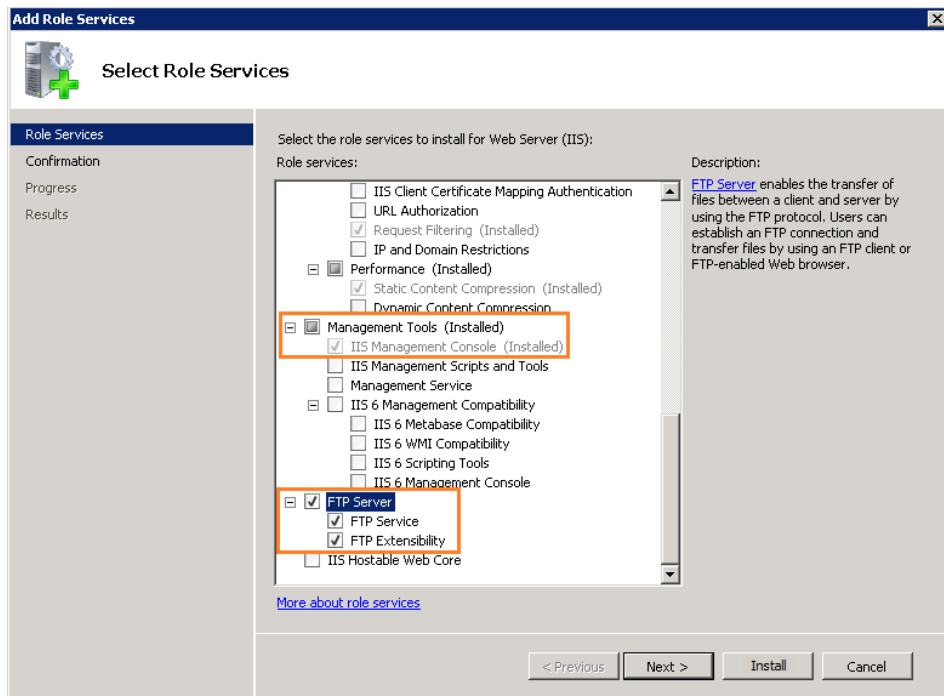
4. Confirm that IIS Management Console is checked under Management Tools.

If IIS is installed already (as a Web server),

1. Navigate to **Start > Control Panel > Administrative Tools > Server Manager**
2. In the Windows Server Manager, go to **Roles** node, and expand **Web Server (IIS)**.
3. Right-click on **Web Server (IIS)**, and click on **Add Role Services**.



4. In the **Add Role Services** window, go to **Roles Services**, and check **FTP Server**.
5. Confirm that **IIS Management Console** is checked under **Management Tools**.



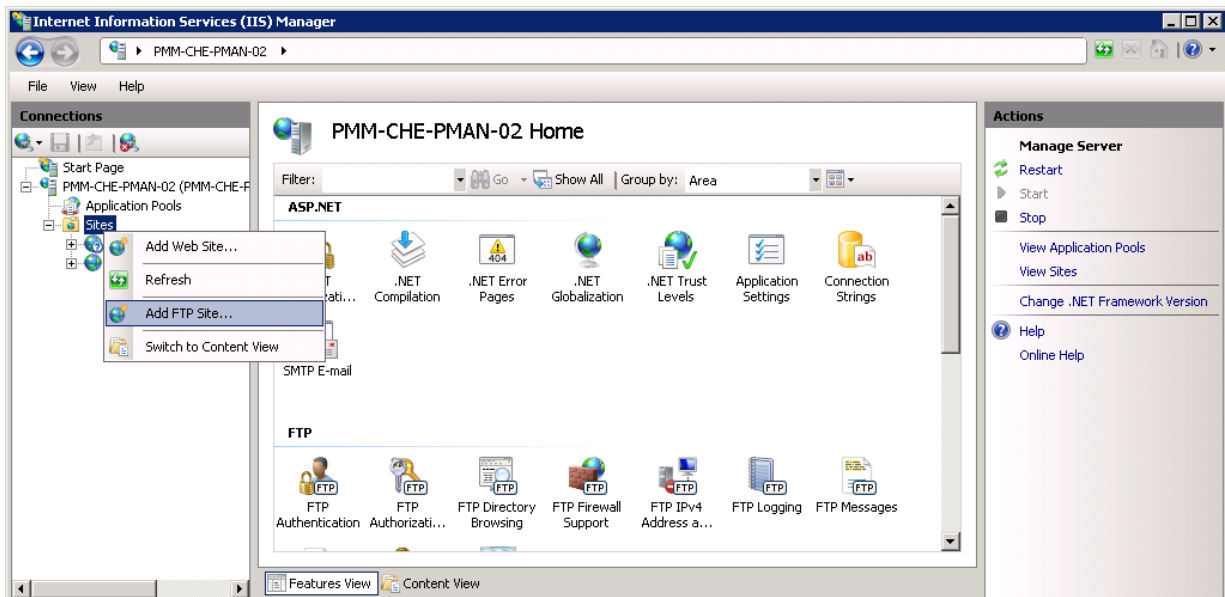
6. Click **Next**, and then **Install**. Wait for the installation to complete.

## Transferring files

To transfer files, you should add an FTP site. Once the FTP site is enabled, clients can transfer to and from the site using the FTP protocol.

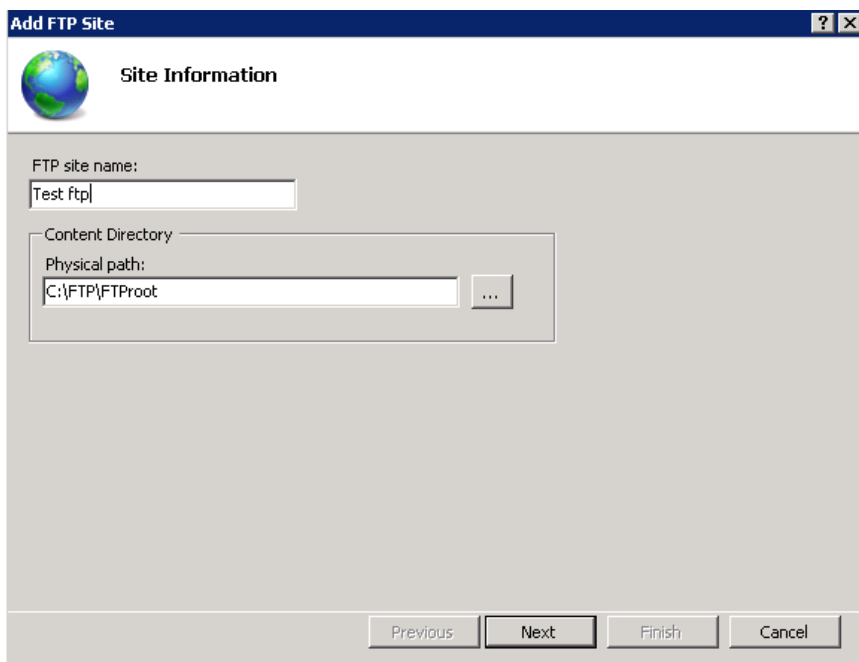
## Setting up an FTP site

1. Navigate to **Start > Control Panel > Administrative Tools > Internet Information Services (IIS) Manager**.
2. Once the IIS console is open, expand the local server.
3. Right-click on **Sites**, and click on **Add FTP Site**.

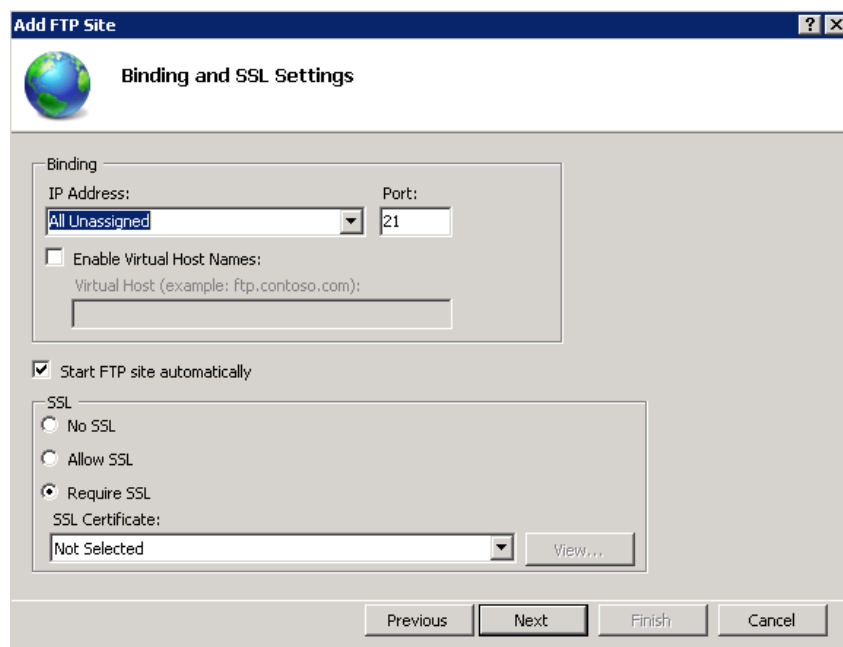


4. In the Add FTP Site window, type the FTP server name and the content directory path, and click Next. The directory path should be the same as the one we set permissions to allow anonymous access above, we used:

%SystemDrive%\ ftp \ftproot



5. In the Binding and SSL Settings window, type the IP address of the server. Check the **Start FTP Site Automatically** option. Choose **SSL Based on Constraint**. Click **Next**.



The screenshot shows the 'Add FTP Site' window with the 'Binding and SSL Settings' tab selected. The 'Binding' section has 'IP Address' set to 'All Unassigned' and 'Port' set to '21'. The 'Start FTP site automatically' checkbox is checked. The 'SSL' section has 'Require SSL' selected. The 'SSL Certificate' dropdown is set to 'Not Selected'. At the bottom are 'Previous', 'Next', 'Finish', and 'Cancel' buttons.

**Add FTP Site**

**Binding and SSL Settings**

**Binding**

IP Address: All Unassigned Port: 21

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

☒ Start FTP site automatically

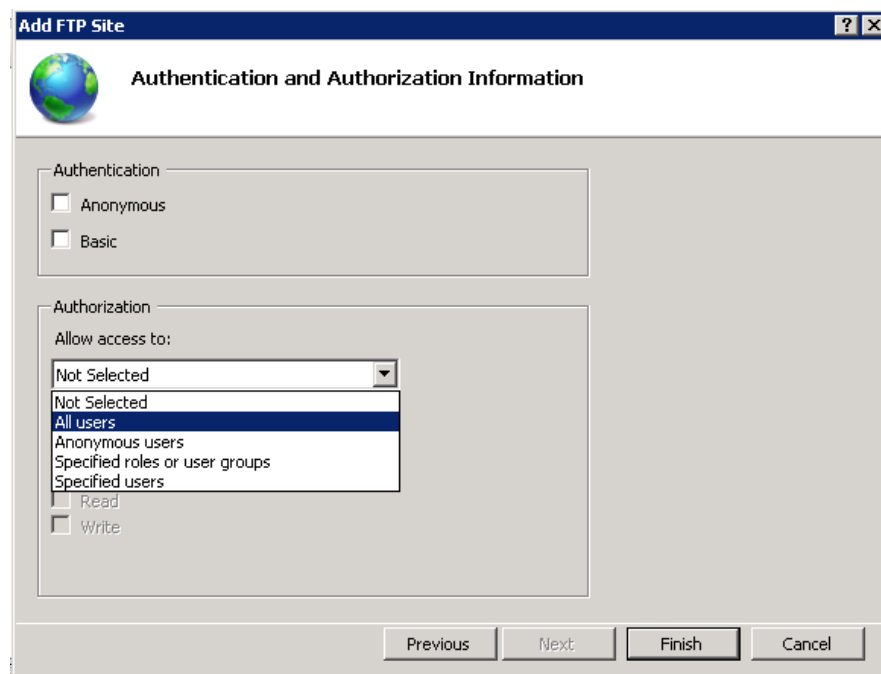
**SSL**

☐ No SSL  
☐ Allow SSL  
☒ Require SSL

SSL Certificate: Not Selected View...

Previous Next Finish Cancel

6. Now, select **Basic** for authentication.



The screenshot shows the 'Add FTP Site' window with the 'Authentication and Authorization Information' tab selected. The 'Authentication' section has 'Basic' selected. The 'Authorization' section has 'Allow access to:' set to 'All users'. At the bottom are 'Previous', 'Next', 'Finish', and 'Cancel' buttons.

**Add FTP Site**

**Authentication and Authorization Information**

**Authentication**

☐ Anonymous  
☒ Basic

**Authorization**

Allow access to:

Not Selected  
All users  
Anonymous users  
Specified roles or user groups  
Specified users

☐ Read  
☐ Write

Previous Next Finish Cancel

Note: Basic authentication means there is no encryption used. Thus, username/password are sent in clear text. Basic authentication matches the username/password from the Active Directory database. You can also create accounts in IIS. This can be done from under Management Tools in Web Server (IIS) role. Under **Authorization**, you can select **All Users** to allow FTP access to all users from the domain. Also, check both **Read** and **Write** under **Permissions Based on Requirement**.

Click **Finish**. Now, the FTP site creation is complete.

## Accessing files on the FTP server

To access files on the FTP server, open a file explorer and type **ftp://serverIP**. The FTP server asks for a username and password. Enter the username and password (Windows or Active Directory credentials) and click **Logon**. The files and folders display under the FTP server.

