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Windows FTP Server

Digital Team Academy

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FTP service on Windows

Anonymous access

First, we need to install FTP Server, to do this, let's open the server manager and install a new feature as follows:



Once the FTP server is installed, you can see that the functionality has been added to IIS.

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So we add an FTP site and we can name it whatever we want.



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Enable Virtual Host Names: Virtual Host (example: ftp.contoso.com): Start FTP site automatically SSL Allow SSL Allow SSL Require SSL SSL Certificate: Not Selected Select View	Help
Previous Next Finish Cancel	
Ready	

The default port number is 21. SSL encryption is not activated.

We check the anonymous authentication box and for the authorization part, we allow anonymous users and read permission

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We will enable authentication for reading and writing to registered users. Here is how to enable authentication:

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Configuration: 'applicationHost.config'	

We will enable writing and reading as follows for the "test" user

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	Full control	^		Add		Remove		
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	Read		Modify		245			
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	For special permissions or advanced set click Advanced.	ings. Advanced	List folder contents Read					
	ОК	Cancel		OK Can	cel	Apply		

Here we will go to the properties of the root folder in order to give the rights to the users:

Finally, we can test the upload of the file to the server. Everything is going as it should!

🔁 test@10.130.25.29 -	FileZilla					
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Host: 10.130.25.29	Username: test Passy	word: ••••••• Port: Quickconne	ct 💌			
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Insulation

Isolation is a very good method of giving a user specific rights to folders belonging to them.

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We add a second user "test1" with read and write rights.

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We create a specific folder for him.

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Quick access Quic	Name View Sort by Group by	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Date modified 24.10.2022 05:53	Type File folder	Size	0	Search rtproot	تر
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	Properties	>	Forder Shortcut Bitmap image Rich Text Document Text Document Compressed (zipped)	Folder				

And now we can define that users will have direct access to the folder with the same name as the user account when they login.



For the following configuration you have to pay attention to the tree structure on the left of the picture. We give rights to one user and deny access to the other folder.

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Download a file

To download a file you need to open a first PuTTY session with the necessary connection information:

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Then we need to configure the firewall of the FTP server



Let's define the port range so that everything can work

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File View Help					
Connections Start Page WIN-3FRKIOVO1IR (WIN-3FR) Application Pools - Sites - Si	FTP Firewall Support The settings on this page let you configure your FTP server to accept passive connections from an external firewall. Data Channel Port Range: 1025-65535 Example 5000 6000	Alerts To accept connecti using FTF when you filter pacl external firewall. Actions	: passive ons whe ? over S ur firew kets, co Pv4 add	e en you a SL (FTPS all does onfigure dress of	are 5) or not the your
✓	Example: 500-6000 by External IP Address of Firewall: Example: 10.0.0.1	Apply Cancel			



And let's configure the site's firewall with the IP address of the FTP server.

We can then enter passive mode and do the port calculation to open a second session as follows and download the file in CLI mode.



Everything is working fine, we can read the contents of the file from the FTP server in the right-hand window.



Upload a file

To upload the file we need to log in with a user who has write access, i.e. the "test" account.

🕵 PuTTY Configuration		? ×
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We can proceed in the same way as above with the download.

