

FileZilla FTP server installation for Windows[™] OS

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Date	Version	Note	Author
13/05/2015	1	First release	A.Cappellozza
16/02/2016	2	Second release ITA-ENG	R.Lubertino

1 Required software

Filezilla FTP server is a compatible software with Windows 7/8/8.1 both 32 and 64-bit. All these OSs versions are desktop operating systems and would not properly fit to act as a server because Microsoft limits the maximum concurrent connections to the PC up to a small number of units. This configuration, therefore, is not recommended in the case of many simultaneous accesses. SENECA recommends changing to enterprise hosting solutions that provide this service.

2 **Preparation**

The software can be downloaded from the official website at the following address:

https://filezilla-project.org/download.php?type=server

Once you have reached the link, click on "Show additional download options" and select the latest installer version for your Windows OS. You will be redirected to sourceforge page (which hosts the project) and wait until the download starts.

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2.1 Wizard Installation

One of the essential steps is to select the right components for the installation and the standard installation will be fine in our case.

🔁 🛛 🗧 FileZilla Server beta 0.9.50 Setup 🚽 🗖 🗙				
Choose Components Choose which features of FileZilla Server beta 0.9.50 you want to install.				
Check the components you winstall. Click Next to continue. Select the type of install: Or, select the optional components you wish to install:	vant to install and uncheck the components you don't want to Standard ✓ ✓ FileZilla Server (Service) Position your mouse over a component to see its description. ✓ Administration interface Source Code ✓ Start Menu Shortcuts ✓ Desktop Icon			
Space required: 5.5MB				
Nullsoft Install System v2,46-Un	< <u>B</u> ack <u>N</u> ext > Cancel			

This step is very important and defines the FileZilla server boot function during OS boot. If you want to set-up a ftp server always on, receiving continuous data, set the options as shown below.

🔁 FileZilla Server beta 0.9.50 Setup 🛛 – 🗖 🗙
Startup settings Select startup behaviour for FileZilla Server
Please choose how FileZilla Server should be started: Install as service, started with Windows (default)
Please choose the port, the admin interface of FileZilla Server should listen on (1-65535): 14147
☑ Start Server after setup completes
Nullsoft Install System v2,46-Unicode

With this configuration FileZilla service will start with the operating system and there will be no need to login. If you don't want an ftp server always on you can choose a different configuration from the first button. The installer will propose a different port from ftp standard (21) but the Administration Console. You could leave it as it is.



2.2 Set your internal network (LAN)

It's very important to make sure that your machine will allow incoming connections. According to this you need to check that there are no programs that block this functionality like i.e. antivirus. We can't specify the procedure for all types of software, you should check the guide or contact your software supplier to find out how to create an exception on the filter controls line. If you have a standard situation (Windows Firewall) you can add inbound and outbound rules like in we're going to describe.

ATTENTION: The procedure may vary depending on the Windows version, this is valid for Windows 8.1.

Open "Control Panel" and look for "Windows firewall", click Advanced Settings on the left side menu, you will open a panel like the one in the picture. The section that interests us is on the left tree.

👻	Windows	Firewall with Advanced S	ecurity	_ _ ×
<u>F</u> ile <u>A</u> ction <u>V</u> iew <u>H</u> elp				
🗢 🄿 🖄 🖬 🗟 🖬				
Prindows Firewall with Advance	Inbound Rules			Actions
K Inbound Rules	Name	Group	Profile ^	Inbound Rules
🚳 Outbound Rules 🚼 Connection Security Rules	☑ HTTP		Domain	🗽 New Rule
Connection security rules	☑ HTTPS		Domain _	
V and Monitoring	Of MSExchangelS		AII ≡	Filter by Profile
	MSExchangelS		All	▼ Filter by State
	MSExchangelS		All	🝸 Filter by Group
	MSExchangelS		All	View
	MSExchangelS		All	Q Refresh
	MSExchangelS		All	
	MSFteSql		All	🕞 Export List
	Networking - Address Mask Request (IC		Private	👔 Help
	Networking - Address Mask Request (IC Networking - Echo Request (ICMPv4-In)		Domain	
	Networking - Echo Request (ICMPV4-In)		Private Domain	
	Networking - Echo Request (ICMPv6-In)		Domain	
	Networking - Echo Request (ICMPv6-In)		Private	
	Networking - Redirect (ICMPv4-In)		Private	
	Networking - Redirect (ICMPv4-In)		Domain	
	Networking - Redirect (ICMPv6-In)		Domain	
	Networking - Redirect (ICMPv6-In)		Private	
	Whetworking - Router Solicitation (ICMPv		Private	
	Networking - Router Solicitation (ICMPv		Domain	
	🐼 Networking - Timestamp Request (ICMP		Private	
	Networking - Timestamp Request (ICMP		Domain	
	SMC Service		Public	
	SMC Service		Public	
	🖉 SNAC Service		Public	
	🖉 SNAC Service		Public	
	🕑 inetinfo (TCP-In)	@%ExchangeInstallPath%\B		
	MSExchange - IMAP4 (GFW) (TCP-In)	@%ExchangeInstallPath%\B		
	ØMSExchange - OWA (GFW) (TCP-In)	@%ExchangeInstallPath%\B		
	MSExchange - POP3 (GFW) (TCP-In)	@%ExchangeInstallPath%\B		
	MSExchange CAS (TCP-In)	@%ExchangeInstallPath%\B	Ý	
< III >	< 111		>]

A. Please select "Inbound Rules"

B. Select "New rule .. " and it will open a wizard that will guide us in creating the filter.



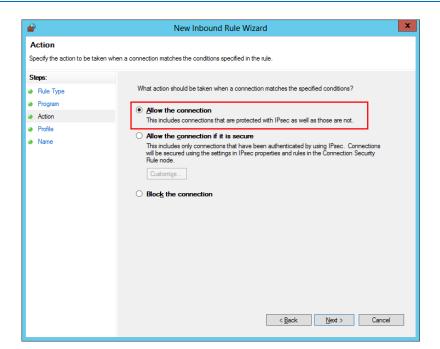
2	New Inbound Rule Wizard
Rule Type Select the type of firewall rule to	o create.
Steps: Rule Type Program	What type of rule would you like to create?
Action Profile	Program Rule that controls connections for a program.
Name	 Pgt Rule that controls connections for a TCP or UDP port. Pggdefined: ParachCache - Content Retrieval (Uses HTTP) v Rule that controls connections for a Windows experience. Qustom Custom Custom Nule.

C. and select "Program".

<i>🔐</i>	New Inbound Rule Wizard
Program	
Specify the full program path a	nd executable name of the program that this rule matches.
Steps:	Does this rule apply to all programs or a specific program?
 Rule Type Program 	Loes this fue appy to an programs of a specific program?
Action Profile	O All programs Rule applies to all connections on the computer that match other rule properties.
Name	● <u>T</u> his program path:
	C:\Program Files (x86)\Filezilla Server\FileZilla Server.exe Browse
	Example: c:\path\program.exe %ProgramFiles%browser/browser.exe
	< <u>B</u> ack Next > Cancel

D. Select the Filezilla Server executable (is commonly in "C:\Program Files (x86)\FileZilla Server\FileZillaServer.exe"). If you changed the installation folder during installation the path must be changed.





E. It should be set like "Allow the connection" allowing all ports connections to FileZilla.

@	New Inbound Rule Wizard
Profile Specify the profiles for which thi	s rule applies.
Steps: Rule Type Program	When does this rule apply?
Action Profile	Domain Applies when a computer is connected to its corporate domain.
Name	✓ Private Applies when a computer is connected to a private network location, such as a home or work place. ✓ Public Applies when a computer is connected to a public network location. Applies when a computer is connected to a public network location. <

F. Check all application types that the system offers. The figure above shows the standard ones.

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@	Creazione guidata nuova regola connessioni in entrata	×
Nome		
Specificare il nome e la descrizior	ine della regola.	
Passaggi:		
Tipo di regola		
Programma		
Operazione		
Profilo	Nome:	
Nome	Filezilla Server	
	Des <u>c</u> rizione (facoltativa):	
		_
	<u>≤</u> Indietro <u>Fi</u> ne Annulla	

- G. After this you have to give a label to the rule. Set which is preferred.
- H. Once you have created the "**Inbound rule**" you can proceed with the "**Outbound rule**" starting from the step named **A.** but choosing "Outbound rule". In case of problems, you can start troubleshooting disabling the firewall.

2.3 Access to the server from Internet (WAN)

What has been done until now is sufficient for in-LAN use of the FTP server. If you want to reach the FTP server from internet we will have to modify modem/router settings. All the istruction are general information so please check these details with your network administrator.

In order to reach the FTP server through internet via 2G/3G+/Ethernet devices, FTP server must be visible from the Internet: this argument implies a series of important considerations concerning the security of data, so we strongly suggest you to set strong passwords. It is necessary to set minimum password 8 characters, uppercase, lowercase, numbers and special characters, and then verify it, for example, here:

https://www.microsoft.com/es-xl/security/pc-security/password-checker.aspx

ATTENTION: strong password, with keeping the updated software (operating system, FileZilla FTP server etc.) are only the first step to have a minimum level of security.

Using a browser, you have to access to the modem/router webserver and look for a section called "virtual server" or "port forwarding" (in this regard refer to the modem manual or consult your IT support). What we need to do is to ensure that the specific incoming requests from the Internet have to be forwarded from the router to your computer.

Once you found the section above set port 21 and the address/port which has to be forwarded to (ip of the computer with FileZilla FTP server installed and the port defined in **2.2 paragraph**).

With this configuration you have to choose ONLY the active method for the FTP connection.

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3 Users creation and administration

From programs menu please select Filezilla Server administration interface and perform the login. If you have not changed settings can be accessed without a password.

Connect to Ser	er ×		
Server Address: [::1]	<u>P</u> ort: 14147		
Administration password:			
Always connect to this serve			
ОК Са	icel		

The server address is 127.0.0.1 (IPV4) or [:: 1] in the case of machines that enabled the IPV6.

Z	FileZilla Ser	ver (::1)	-	×
File Server Edit 2 File Zilla Server version 0.9.50 beta Copyright 2001-2015 by Tim Kosse (tim kosse (https://filezilla-project.org/ Connecting to server [::1]:14147 Connected, waiting for authentication Logged on Retrieving settings, please wait Done retrieving settings				
ID 🛆 Account	μ	Transfer		
< Ready			0 bytes receiv	> 0 B/s:

Console shows the server status, if you have connection problems you will see error messages, check the cause of the problem based on the error reported. In the top bar there are toolbar icons for FileZilla FTP server administration. Press the button shown in the figure and proceed with users configuration.



age:	Account settings	Users
General Shared folders Speed Limits IP Filter	Enable account Password: Group membership:	
	Bypass userlimit of server Maximum connection count: Connection limit per IP: Eorce SSL for user login	Add Remove Rename Copy
	Description	
	^	
ОК	v.	
Cancel	You can enter some comments about the user	

Press "Add" to create a new user. This will open a definition screen name.

	Add u	ser a	ассо	unt		>
Please ente be added:	rthe <u>n</u> ame o	of the	user a	accour	t that	should
l leer should	be member	of the	follo	wina ar		
User should <none></none>	be member	of the	e follov	wing gr	oup:	Ŷ

Please leave the group as it is. Advanced details will not be specified in this guide.



ge: General	Account settings	<u>U</u> sers utente		
Shared folders	Password: ••••		utente	
Speed Limits IP Filter	Group membership: <pre><none< pre=""></none<></pre>	> *	3	
	Bypass userlimit of server	0	-	
	Maximum connection count:			
	Connection limit per IP:	0	Add	Remove
	Eorce SSL for user login			
			Rename	Copy
	Description			
		^		
ОК		~		
Cancel	You can enter some comment	ts about the user		

Once the user is created you must assign a password. Check password and enter it in the box as shown in the next figure.

		Users			×
Page: General Shared folders Speed Limits IP Filter	Shared folders Directories Add Remove Adirectory alias will also appear path. Separate multiple aliases filf using aliases, please avoid cy	or one directory	with the pipe charact	er ()	Remove Copy tual
OK Cancel					

At this point, the user needs an home directory, this is the folder that the user will see just logged in with its FTP client. In the left section, navigate the "Shared Folders" menu.



	Users
Page: General Shared folders Speed Limits IP Filter	Shared folders Files Directories Aliases H C:\sources Write Pelete Append Directories Pelete Pelete Append Directories Pelete Pelete Pelete Pietete P
OK Cancel	

Select a folder, we suggest you to create a folder **not** linked to a specific user (neither desktop folder or user document folder). For example, create a folder in the local drive like **C:\ftp_server**.

Permissions have to be set on files/folders. For standard applications please select all; this will mean that you will do everything in his home. Then press "Set as home dir" to mark that folder as user home directory. Once you select OK the configuration will be operational and you can start working.



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