

# Installing SMTP server Framework NET Genium



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# **1** Preparation

- The procedure is described in detail for Windows Server 2016 in the English version. All actions must be performed under administrator rights.

#### 1.1 Windows Server 2016

♂ Start "Server Manager" via the "Start" menu.

Programs (3)     Server Manager     2     ServerManager.exe
ServerManagerLauncher.exe
Settings (1)
ᡖ Server Manager
• Files (1)
500-100.asp
See more results
Search the Internet
server manager K Log off 🕨
# 🔎 🗆 爸 🔚 📥 📽 🚦



- You will see a window with all kinds of server administration. If you do not have IIS installed, you must first install this service (see, for example, the "NET Genium Installation" guide). The next step assumes that IIS is already installed on the server. "Roles" and "Features" will be important for the installation of the IIS 6 Management Console and the SMTP server. IIS acts as a role on the server.
- Press "Add roles and features" and then select an option "Server Roles".

🔛 Dashboard	WELCOME TO SERVER MANAGER
<ul> <li>Local Server</li> <li>All Servers</li> <li>File and Storage Services ▷</li> <li>IIS</li> </ul>	QUICK START       1       Configure this local server         QUICK START       2       Add roles and features         3       Add other servers to manage         4       Create a server group         5       Connect this server to cloud services         Hide
📥 Add Roles and Features Wizard	- 🗆 ×
Select installation ty Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Destination type. You can install roles and features on a running physical computer or virtual achiever or on an offline virtual hard disk (VHD).     One-Dested or feature-Dested installation     Configure a single server by adding roles, role services, and features.     One for the provided installation     Mall required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.
	< Previous Next > Install Cancel



- **1** In the next step, the system lists all the "Server Roles" that are available on the server.
- Select the following sections here and press the button "Install":
- Management Tools
  - o IIS 6 Management Compatibility
    - IIS 6 Management Console
  - 📠 Add Roles and Features Wizard

# Select server roles Before You Begin Installation Type Server Selection Server Roles Features Confirmation Select one or more roles to install on the selected server. Roles Server Roles Web Server (IIS) (16 of 43 installed)

Web Server (13 of 34 installed)
 FTP Server
 Management Tools (3 of 7 installed)
 IIS Management Console (Installed)
 IIS 6 Management Compatibility (2 of 4 instal
 IIS 6 Management Console (Installed)
 IIS 6 WMI Compatibility
 IIS 6 WMI Compatibility
 IIS 6 WMI Compatibility
 IIS Management Service
 Windows Deployment Services
 Windows Server Essentials Experience
 Windows Server Update Services

DESTINATION SERVER deltax1

×

Description

IIS 6 Management Compatibility provides forward compatibility for your applications and scripts that use the two IIS APIs, Admin Base Object (ABO) and Active Directory Service Interface (ADSI). You can use existing IIS 6 scripts to manage the IIS 10 Web server.

< Previous Next >

Cancel

Install



- **1** The next step is to install the "SMTP server" application.
- In the "Server Manager" application, select "Add features" and select "SMTP server" in the list and press the button "Install".





### 2 SMTP server settings via IIS 6.0 Manager

Start "IIS 6.0 Manager" via the "Start" menu.



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**1** When the program starts, the following screen will appear.

🧐 Internet Information Services (IIS) 6.0 Manager - 🗆 🗙						$\Box$ ×
🐚 File Action View Win	dow Help					- 8 ×
🖛 🄿   📰   🗟   👔	鼻   ▶ ■ Ⅱ					
<ul> <li>Internet Information Service</li> <li>DELTAX1 (local compute</li> <li>(SMTP Virtual Server</li> </ul>	omputer)	Local Yes	Version IIS V7.5	Status		
< >	<					>



#### 2.1 SMTP Virtual Server

- **1** The next procedure for setting up an SMTP Server is in "Internet Information Services (IIS) 6.0 Manager".
- 🐚 Internet Information Services (IIS) 6.0 Manager  $\times$ 🐚 File Action View Window 8 × Help - 1 <u>\_</u> 🖛 🔿 📅 🔂 🖬 III. Internet Information Service Local Version Status ✓ S DELTAX1 (local compute omputer) Yes IIS V7.5 > 🏷 [SMTP Virtual Server Start Stop Pause New > New Window from Here Rename Refresh Properties Help < < > Opens the properties dialog box for the current selection.



#### 2.1.1 Connection

[SMTP Virtual Server #1] Properties						?	×
General Access Messages Delivery LDAP Routing Secu							
Access control Edit the authentication methods for this resource.					Auther	ntication.	
Secure communication TLS is not available without a certificate.							
Connection control Grant or deny access to this resouce using IP addresses or Internet domain names.					Co <u>n</u> n	ection	
Relay restrictions Grant or deny permissions to relay e-mail Relay through this SMTP virtual server.							
		ОК	Cancel	A	oply		Help



In the next window, set the list of all IP addresses from which the connection to the SMTP Server will be allowed. If you will only be able to connect from our server, check "Only the list below" and add the IP address to the list "127.0.0.1".

Connection >					
Select which computers r <u>Only the list below</u> O All except the list be	nay access this virtual server: pelow				
Computers:					
Access	IP Address (Mask) / Domain Name				
I Granted	127.0.0.1				
Add Rem	nove	_			
	OK Cancel <u>H</u> elp				

#### 2.1.2 Relay

In the window that will open, select the "Access" tab and press the button "Relay...".





In the next window, set a list of all IP addresses from which forwarding to the SMTP Server will be enabled. If forwarding from only our server will be enabled, check "Only the list below" and add the IP address to the list "127.0.0.1".

Relay Restrictions						
Select which computer may relay through this virtual server: © Only the list below © All except the list below Computers:						
Access	IP Address (Mask) /	Domain Nam	ie			
<b>∂</b> Granted 127.0.0.1						
Add						
Allow all computers which successfully authenticate to relay, regardless of the list above.						
	ОК	Cancel	<u>H</u> elp			

#### 2.1.3 Messages

Next, go to the "Messages" tab, where you can disable the message size limit, the "session" limit and the number of messages within one connection.

[SMTP Virtual Server #1] Properties	? ×				
General Access Messages Delivery LDAP Routing	Security				
Specify the following messaging information.					
I Limit message size to (KB):	10240				
Limit session size to (KB):	10240				
☑ Limit number of messages per connection to:	20				
Limit number of recipients per message to:	1000				
Send copy of Non- <u>D</u> elivery Report to:					
Badmail directory:					
C:\Inetpub\mailroot\Badmail	Browse				
OK Cancel Apply	Help				



#### 2.1.4 Delivery

Then go to the "Delivery" tab and click on the "Advanced..." button.

[SMTP Virtual Server #1] Properties	? ×	
General Access Messages	AP Routing Security	
Outbound First retry interval (minutes): Second retry interval (minutes): Third retry interval (minutes):	15 30 60	
Subsequent retry interval (minutes):	240	
Delay notification:	12 Hours -	
Expiration timeout:	2 Days 💌	
Local		
Delay notification:	12 Hours 💌	
Expiration timeout:	2 Days 💌	$\sim$
Outbound Security Outbound conne	Advanced	2
OK Cancel	Apply Help	



#### Set FQDN (Fully-qualified domain name)

**A** Important note: You need to contact your ISP to create a reverse lookup (PTR) that must match your FQDN.

Advanced Delivery	×
Maximum hop count:	
Masquerade domain:	
]	
Fully-qualified domain name:	
domainname.cz	Check DNS
Smart host:	
Attempt direct delivery before sending to smart host	
Perform reverse DNS lookup on incoming messages	
OK Court	





# 3 Services settings

Start "Services" via the "Start" menu.







#### 3.1 Simple Mail Transfer Protocol

✤ Find the "Simple Mail Transfer Protocol" service, right-click on it and select "Properties".

S () S P R	iimple Mail Transfer Protocol SMTP)	Name	Description	~			
C	Description:	Security Accounts Manager Sensor Data Service Sensor Monitoring Service Sensor Service Server	Provides su The startup Delivers dat Monitors va A service fo Supports fil	Running	Startup Type Manual Automatic Manual (Trig Manual (Trig Automatic	Log On As Local Service Local Syste Local Syste Local Syste Local Syste Local Syste	
T	ransports electronic mail across the etwork.	Shell Hardware Detection	Transports e	Running	Automatic	Local Syste	
		Smart Card Smart Card Device Enumera Smart Card Removal Policy SNMP Trap Software Protection Special Administration Con	Manages ac Creates soft Allows the s Receives tra Enables the Allows adm	Running	Disabled Manual (Trig Manual Manual Automatic (E Manual	<u>Start</u> St <u>o</u> p Pa <u>u</u> se Resu <u>m</u> e Restart	
		Spot Verifier     SSDP Discovery     State Repository Service	Verifies pote Discovers n Provides re	Running	Manual (Trig Manual Manual	All Tas <u>k</u> s Refresh	>
		Still Image Acquisition Events Storage Service	Launches a Provides en Optimizes t		Manual Manual (Trig Manual	Properties Help	

Opens the properties dialog box for the current selection.



Simple Mail Transfe	er Protocol (SMTP) Properties (Local Computer)	×
General Log On	Recovery Dependencies	
Service name:	SMTPSVC	
Display name:	Simple Mail Transfer Protocol (SMTP)	
Description:	Transports electronic mail across the network.	
Path to executable C:\Windows\system	: m32\inetsrv\inetinfo.exe	
Startup type:	Automatic ~	(2)
		$\smile$
Service status:	Running	
Start	Stop Pause Resume	
You can specify the from here.	e start parameters that apply when you start the service	
Start parameters:		
	OK Cancel Apply	





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# 4 Firewall settings

✤ Via the "Start" menu, start the Firewall settings, such as administrator.

<ul> <li>Programs (2)</li> <li>Windows Firewall with Advanced Security</li> <li>Firewall.cpl</li> <li>Settings (5)</li> <li>Windows Firewall with Advanced Security</li> <li>Allow an app through Windows Firewall</li> <li>Check firewall status</li> <li>Windows Firewall</li> <li>Check security status</li> </ul>	Open         Open file location         Pin to Start menu (Classic Shell)         Author         Image: Second start for the start start         Image: Pin to Start         Image: Second start start         Image: Open with         Unpin from taskbar         Restore previous versions         Send to       >         Cut         Copy	3
See more results Search the Internet Firewall C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C C	Create shortcut Explore Properties	



In order for anyone not to be able to log in to the SMTP server and send messages from it, it is necessary to block the SMTP-In Protocol. SMTP-In Protocol can be blocked in two different ways.

#### 4.1 Complete blocking of all IP addresses

In "Inbound rules", right-click on "Simple Mail Transfer Protocol (SMTP-In)" and select "Disable Rule".
Windows Firewall with Advanced Security

File Action View Help				
🗢 🏟  📷 🗟 🔽 📻				
Windows Firewall with Advance	Inbound Rules			
Cuthound Rules	Name	Group	Profile	E ^
Connection Security Rules	Inbound Rule for Remote Shutdown (TC	Remote Shutdown	All	1
> 🔜 Monitoring	Remote Scheduled Tasks Management ( Remote Scheduled Tasks M			1
,	Remote Scheduled Tasks Management ( Remote Scheduled Tasks M			1
	Remote Volume Management - Virtual Di Remote Volume Management			1
	Remote Volume Management - Virtual Di	Remote Volume Management	All	1
	Remote Volume Management (RPC-EPM	Remote Volume Management	All	1
	Routing and Remote Access (GRE-In)	Routing and Remote Access	All	1
	Routing and Remote Access (L2TP-In) Routing and Remote Access			1
	Routing and Remote Access (PPTP-In) Routing and Remote Access			1
	Secure Socket Tunneling Protocol (SSTP Secure Socket Tunneling Pr			1
	World Wide Web Services (HTTPS Traffic	Secure World Wide Web Ser	All	1
	Simple Mail Transfer Protocol (SMTD Le)	Circula Mail Transfer Protoc	All	
	SNMP Trap Service (UDP In)	able Rule	Domain	1
	SNMP Trap Service (UDP In) Cut	:	Private	1
	Software Load Balancer Multiplex	ancer	All	1
	TPM Virtual Smart Card Manager	Card Ma	Domain	1
	TPM Virtual Smart Card Manager	Card Ma	Private	1
	TPM Virtual Smart Card Manager Pro	perties Card Ma	Private	1
	TPM Virtual Smart Card Manager	Card Ma	Domain	1
	Virtual Machine Monitoring (DCC	P Ionitoring	All	1
	Virtual Machine Monitoring (Echo Reque	Virtual Machine Monitoring	All	1
	Virtual Machine Monitoring (Echo Reque	Virtual Machine Monitoring	All	1
	Virtual Machine Monitoring (NB-Session	Virtual Machine Monitoring	All	1
	Virtual Machine Monitoring (RPC)	Virtual Machine Monitoring	All	1 🗸
< >>	<			>

Disable Rule



#### 4.2 Block all IP addresses except selected ones

In "Inbound rules", right-click on "Simple Mail Transfer Protocol (SMTP-In)" and select "Properties".

#### Windows Firewall with Advanced Security File Action View Help (= 📥 | 👛 🖬 📑 ? 🖬 B Windows Firewall with Advance Inbound Rules 🔣 Inbound Rules E ^ Profile Name Group 🔣 Outbound Rules All Inbound Rule for Remote Shutdown (TC... Remote Shutdown t. 🐜 Connection Security Rules Remote Scheduled Tasks M... All Remote Scheduled Tasks Management (... > Nonitoring 1 Remote Scheduled Tasks Management (... Remote Scheduled Tasks M... All I Remote Volume Management - Virtual Di... Remote Volume Management All I Remote Volume Management - Virtual Di... Remote Volume Management All t Remote Volume Management (RPC-EPM... All Remote Volume Management t Routing and Remote Access (GRE-In) Routing and Remote Access All r Routing and Remote Access (L2TP-In) Routing and Remote Access All t Routing and Remote Access (PPTP-In) Routing and Remote Access All Secure Socket Tunneling Protocol (SSTP-... Secure Socket Tunneling Pr... All 🔮 World Wide Web Services (HTTPS Traffic... Secure World Wide Web Ser... All Simple Mail Transfer Protocol (SMTP-In) All **Disable Rule** SNMP Trap Service (UDP In) Domain 1 SNMP Trap Service (UDP In) Private... 1 Cut Software Load Balancer Multiplexer (TCP... All Copy TPM Virtual Smart Card Management (D... Domain Delete TPM Virtual Smart Card Management (D... Private... TPM Virtual Smart Card Management (T... Properties Private... TPM Virtual Smart Card Management (T... Domain I Help Virtual Machine Monitoring (DCOM-In) All r All Virtual Machine Monitoring (Echo Reque... Virtual Machine Monitoring t. Virtual Machine Monitoring (Echo Reque... Virtual Machine Monitoring All t. Virtual Machine Monitoring (NB-Session... Virtual Machine Monitoring All t Virtual Machine Monitoring (RPC) Virtual Machine Monitoring All t. No. < | > < ъ

Opens the properties dialog box for the current selection.



#### 4.2.1 General

In the newly opened "Simple Mail Transfer Protocol (SMTP-In) Properties" window, go to the "General" tab, select the "Allow the connection" option and press the "Apply".





#### 4.2.2 Scope

To allow only certain IP addresses to log in to the SMTP server, enter the list of IP addresses on the "Scope" tab in the "Remote IP address" field.

Simple Mail Transfer Protocol (SMTP-In) Properties						
Genera	General Programs and Services Remo		Remote	e Computers		
Protocols a	nd Ports	Scope	Advanced	Loca	l Principals	Remote Users
Local IP	address Any II These	P address e IP address	ses:		Add	
Remote	IP address				Edit Remove	
<b>1</b>	<ul> <li>Any II</li> <li>These</li> </ul>	P address e IP address	ses:			
					Add	
					Edit	
					Remove	
			ОК		Cancel	<u>A</u> pply



# 5 Start the SMTP server in IIS 6.0 Manager

After successfully setting up the SMTP server, start the SMTP server via "Internet Information Services (IIS) 6.0 Manager". In the program, right-click the SMTP Server and select an option "Start".

🗐 Internet Information Services (IIS) 6.0 Manager	_	
🐚 File Action View Window Help		_ 8 ×
🗢 🔿   🚈 📰   🖼 🗟   👔   🕨 💻 II		
Internet Information Service Name Service Service Department of Service Name Service Service Domains		
Start		
Pause		
New >		
View > New Window from Here		
Rename Refresh Export List		
Properties		
Help		
< >> Start the server		

