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Skonfiguruj usługę Active Directory w systemie Windows Server 2016

18 STYCZNIA 2016 RPRZEZ CHRISADMIN

Jak skonfigurować usługę Active Directory w systemie Windows Server 2016 jako nowy kontroler domeny.

Tutaj zajmiemy się pierwszą częścią zakładania domeny; promowanie naszego nowego serwera jako kontrolera domeny.

Jest to uważane za samouczek numer trzy w serii wideo zatytułowanej: **Podstawy serwera 2016**. <u>Samouczek nr 1</u> dotyczył pobierania serwera 2016 i krótkiego przeglądu. <u>Samouczek nr 2</u> dotyczył instalacji serwera 2016.

Obecnie jest to dość prosty proces, ponieważ system przeprowadzi Cię przez cały proces. Dołącz do mnie w filmie lub w instrukcjach tekstowych poniżej.

Pamiętaj, że konfigurujemy środowisko testowe tylko w wirtualnym laboratorium testowym. Korzystam z VirtualBox dla mojej podstawy VM, ponieważ jest darmowy i bardzo łatwy w użyciu.



Windows Server 2016

Jak skonfigurować AD DS (kontroler domeny)

Kroki konfiguracji usługi Active Directory

• Z pulpitu nawigacyjnego Menedżera serwera kliknij Dodaj role i funkcje .





• Wybierz instalację opartą na rolach lub funkcjach i kliknij przycisk Dalej.

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	• • • • • • • • • • • • • • • •		
Dashboard	Add Roles and Features Wizard	— L .	×
All Servers	Select installation	type Destination server	
File and Sto	Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	 Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD). Role-based or feature-based installation Configure a single server by adding roles, role services, and features. Remote Desktop Services installation Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment. 	Hide
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• Wybierz serwer, podświetlając wiersz i wybierz Dalej.

		Server 201	2 (TP4) (New Inst	all - Post Updates) [Running	g]			
	Add Roles and Features Wiza	rd	I		<u> </u>	Tools	View H	łelp
Da:	Select destinatic	n server			DESTINATION SERVER adserver			
File	Before You Begin Installation Type Server Selection Server Roles Features	Select a server or a virtua Select a server from t Select a virtual hard of Server Pool Filter:	il hard disk on which he server pool disk	to install roles and features.				
	Confirmation Results	Name adserver	IP Address 10.0.2.15	Operating System Microsoft Windows Server 2	016 Technical Preview 4			
		1 Computer(s) found This page shows servers t and that have been adde newly-added servers fror	that are running Wir d by using the Add 3 n which data collecti	dows Server 2012 or a newer re Servers command in Server Mar on is still incomplete are not sh	elease of Windows Server, hager. Offline servers and own.		Hide	
			< Pre	evious Next >	Install Cancel			
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• Wybierz usługi domenowe w usłudze Active Directory, a następnie wybierz Dalej .

Server Ma	anager			— 🗇 🔿 Tools View Help
Da: Loc All File	Add Roles and Features Wizard Select server roles Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Select one or more roles to install on the selected server. Roles Active Directory Certificate Services Active Directory Domain Services Active Directory Federation Services Active Directory Lightweight Directory Services Active Directory Rights Management Services DHCP Server DNS Server Fax Server Fax Server File and Storage Services (1 of 12 installed)	DESTINATION SERVER adserver Description Active Directory Domain Services (AD DS) stores information about objects on the network and makes this information available to users and network administrators. AD DS uses domain controllers to give network users access to permitted resources anywhere on the network through a single logon process.	
		Host Guardian Service Hyper-V MultiPoint Services Network Controller Network Policy and Access Services Print and Document Services Remote Access Remote Desktop Services Volume Activation Services Volume Activation Services Web Server (IIS) Windows Deployment Services	> Install Cancel	Hide

	BPA results	Performance BPA results	
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• Kliknij Dodaj funkcje .



	✓ Include management tools (if applicable) Add Features Cancel	
	< Previous Next > Install Cancel BPA results	
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• Nie musisz nic wybierać w funkcjach Wybierz, więc po prostu wybierz Dalej.

		Server 2012 (TP4) (New Install - Post Updates) [Run	ning]	
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€⊛∙	Server Manager	Dashboard	🔹 🧭 🚩 Manage Tools	View Help
Dashboard	Add Roles and Features Wizard		– – ×	
Local Server All Servers File and Sto	Select features		DESTINATION SERVER adserver	
	Before You Begin Installation Type Server Selection Server Roles Features AD DS Confirmation Results	Select one or more features to install on the selected server. Features Image: NET Framework 3.5 Features Image: NET Framework 3.6 Features Image: NET Framework 4.6 Features Image: Network Unlock Image: Network 0 Features Image: Network 0 Features Image: Network 0 Features Image: Network 0 Features Image: Networ	Description .NET Framework 3.5 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of	Hide

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• Click **Next** in the **AD DS** section.

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• On the confirmation window, review everything and then click Install.



Before You Begin	to instan the following foles, fole services, or reactices on selected server, electrostani	
Installation Type	Restart the destination server automatically if required	
Server Selection	Optional features (such as administration tools) might be displayed on this page because they have	
Server Roles	been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes	
Features		
AD DS	Active Directory Domain Services	
Confirmation	Group Policy Management	
Results	Remote Server Administration Tools Role Administration Tools AD DS and AD LDS Tools	Hide
	Active Directory module for Windows PowerShell	
	AD DS Tools	
	Active Directory Administrative Center	
	AD DS Snap-Ins and Command-Line Tools	L,
	Export configuration settings Specify an alternate source path	
	< Previous Next > Install Cancel	_
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- The installation will begin.
- When the installation is complete, you need to now promote the server to a domain controller.
- Click Promote this server to a domain controller (small hyperlink in the results window)





• Or, if you are like me and you clicked Close, **click** on the **yellow exclamation mark** in the upper-right section of the Server Manager Dashboard.





• Select Add a new forest, type in a domain name that you want to use (pro-tip: use something like <something>.internal), then click Next.



	Services	Performance	
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• Type in a password you want to use for DSRM, then click Next.

	Server 2012 (TP	24) (New Install - Post Updates) [Runnii	ng]				
Server Manager Active Directory Domain Services	s Configuration Wizard		- 🗆 X				×
Domain Controlle	r Options		TARGET SERVER adserver	Manage	Tools	View	Help
Deployment Configuration Domain Controller Options DNS Options Additional Options Paths Review Options Prerequisites Check Installation Results	Select functional level of the new for Forest functional level: Domain functional level: Specify domain controller capabilitie Image: Domain Name System (DNS) ser Image: Global Catalog (GC) Image: Read only domain controller (RC Type the Directory Services Restore Password: Confirm password:	erest and root domain Windows Server Technical Previe Windows Server Technical Previe Windows Server Technical Previe owner DDC) Mode (DSRM) password ••••••••				Hide	

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• Click Next on the NDS Options page.



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• Click Next in the Additional Options page.

	Server 2012 (TP	4) (New Install - Post Updates) [Runr	ing]						
Server Manager							-	- 0	×
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Additional Option	S		TAR	GET SEF adse	RVER erver				
Deployment Configuration Domain Controller Options DNS Options	Verify the NetBIOS name assigned to The NetBIOS domain name:	o the domain and change it if necessary TESTDOMAIN							
Additional Options Paths									
Review Options									

	Installation Results	More about additional op	tions		Hide
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• Click Next on the Paths sections.



	ono optiono				
i i i	Additional Options	Log files folder:	C:\Windows\NTDS		
	Paths	SYSVOL folder:	C:\Windows\SYSVOL		
	Review Options				
	Prerequisites Check				
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• Click Next on the Review Options screen, then click Install on the Prerequisites Check page.



pc-addicts.com/setup-active-directory-server-2016/



- The installation (promotion process) will begin. The server will reboot during this process.
- When the installation is complete, log back in (this time you will be logging into the server with domain credentials).

- Let's verify Active Directory is setup and our server is classified as a DC (domain controller).
- From within Server Manager, click Tools then Active Directory Users and Computers.





• Expand the domain root (in my case, it's TESTDOMAIN.internal), then click on Domain Controllers.

Server Manad	jer	Server 2	012 (TP4) (New	/ Install - Post Up	dates) [Running]			-	- 0	×
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AD DS DNS File and	Active Directory Users and Com Saved Queries TESTDOMAIN.internal Builtin Computers Domain Controllers ForeignSecurityPrincipal: Managed Service Accour Users	Name ADSERVER	Type Computer	DC Type GC	Site Default-First-Si	Description	>		Hide	
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	Performance BPA results	Performance BPA results	
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- You should see your new server being displayed.
- One las thing I want to do at this point is enable RDP (Remote Desktop Protocol).
- From Server Manager Dashboard, click Local Server then click Disabled next to Remote Desktop.

	Server 201	2 (TP4) (New Install - Post Updates) [Running]		
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🗲 🗸 Server Ma	anager • Local Se	rver - 🤅	🕑 🚩 Manage Tools View	Help
Dashboard	PROPERTIES For adserver		TASKS	•
Local Server All Servers AD DS DNS	Computer name Domain	adserver TESTDOMAIN.internal	Last installed updates Windows Update Last checked for updates	
■ File and Storage Services ▷	Windows Firewall Remote management Remote Desktop NIC Teaming Ethernet	Private: On Enabled Disabled Disabled IPv4 address assigned by DHCP, IPv6 enabled	Windows Defender Windows Error Reporting Customer Experience Improvement Program IE Enhanced Security Configuration Time zone Product ID	
	Operating system version Hardware information	Microsoft Windows Server 2016 Technical Preview 4 innotek GmbH VirtualBox	Processors Installed memory (RAM)	

EVENTS All events 33	total				TASK	s 🔻
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Server Name	e ID	Severity	Source	Log	Date and Time	
ADSERVER	10016	Error	Microsoft-Windows-DistributedCOM	System	1/16/2016 5:21:54 PM	~
ADSERVER	1129	Error	Microsoft-Windows-GroupPolicy	System	1/16/2016 5:07:27 PM	
ADSERVER	6006	Warning	Microsoft-Windows-Winlogon	Application	1/16/2016 5:07:27 PM	
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- Select Allow remote connections to this computer
- Uncheck the option Allow connections only from computers running Remote Desktop with Network Level Authentication, then click OK.



Allow remote connections t Allow connections only f Desktop with Network L	to this computer from computers running Remo Level Authentication (recomm	ote ended)	bled IE I address assigned by DHCP, IPv6 enabled Tin Pro	Enhanced Secu ne zone oduct ID	rity Configuration	(
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We are done with the basic Active Directory setup!

Next up: Configuring Active Directory OU (Organizational Unit) structure.

Server Basics 2016 Series Navigation

- Tutorial #1: Downloading Windows Server 2016
- Tutorial #2: Installing Windows Server 2016
- Tutorial #3: Setup Active Directory on Windows Server 2016 (this article)

- Samouczek nr 4: <u>Struktura jednostki organizacyjnej na serwerze 2016</u>
- Samouczek nr 5: Utwórz użytkowników i grupy reklam
- Samouczek nr 6: Konfiguracja roli DHCP na serwerze 2016
- Samouczek nr 7: Dołącz system Windows 10 do domeny Server 2016
- Samouczek nr 8: (wkrótce)

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