

# Specializovano IKT systémy Windows

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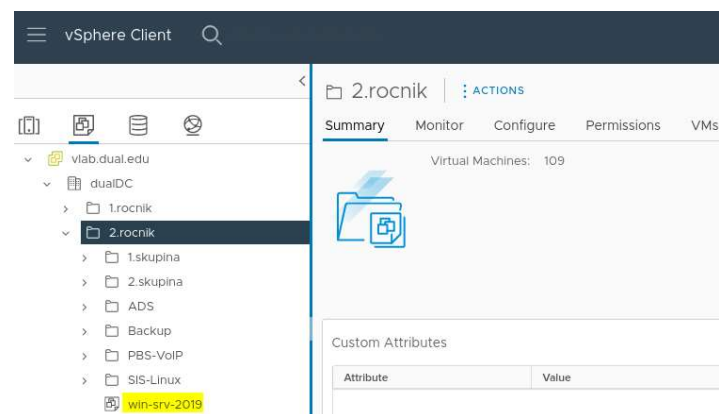
PRACTICE

# Inštalácia forestu a domény

Specializovano IKT systémy Windows

Predtým než začnete !

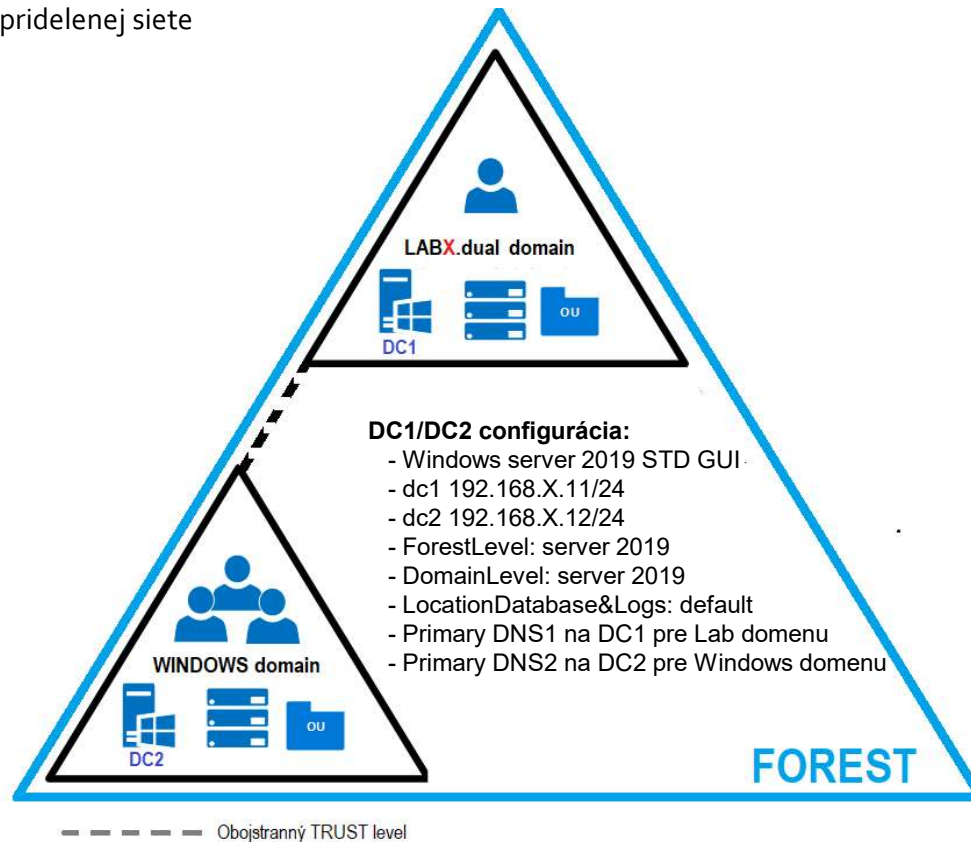
- Nainštalujte 2 rovnaké systémy DC1 a DC2 z nasledujúceho template:
- Použite správnu sieť i datastore
- Inštalujte ako THIN provisioning



- Urobte základnu customizáciu (hostname, IP, FirewallOFF) no oboch VMs ešte pred začatím inštalácie doménovej role
- Použite len IP zo siete, ktorú máte pridelenú
- DC2 musí mať nastavený vhodný primary DNS suffix a A records v DNS pred DC promo

## Cieľová konfigurácia::

Nainštalujte a nakonfigurujte forest podľa nasledujúceho obrázka **windows.labX.dual**  
X je číslo vašej pridelenej siete

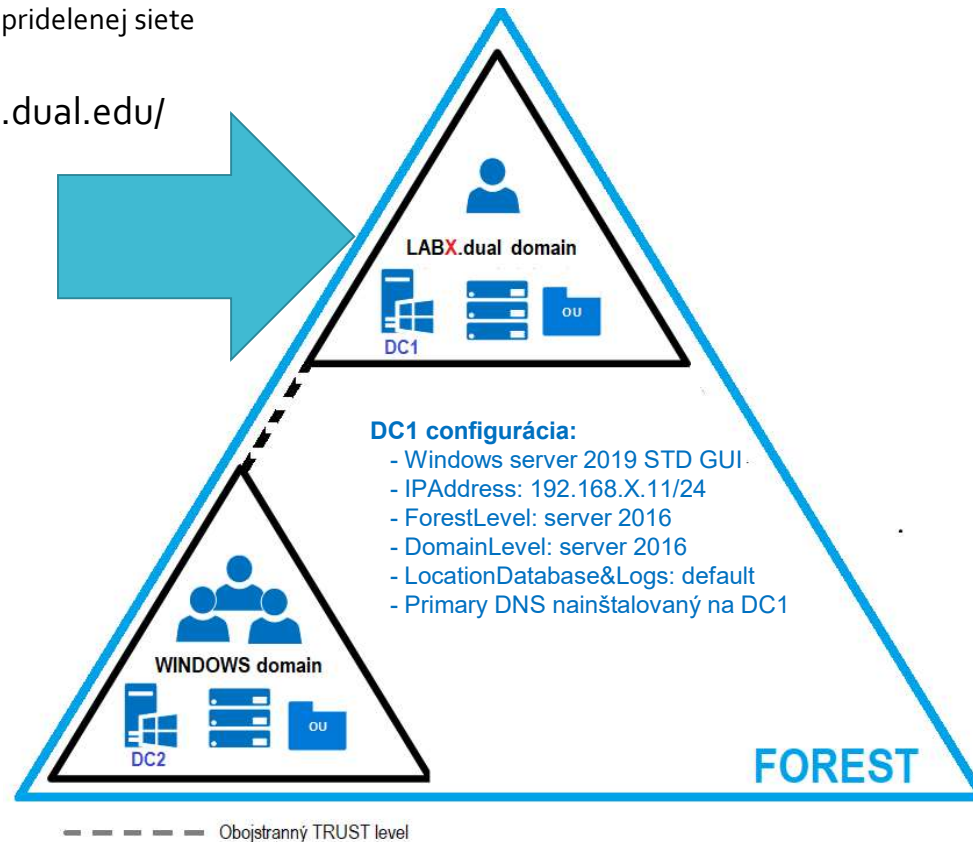


Krok#1: Inštalácia DC1

# Krok1:: Inštalácia Forestu a Domény

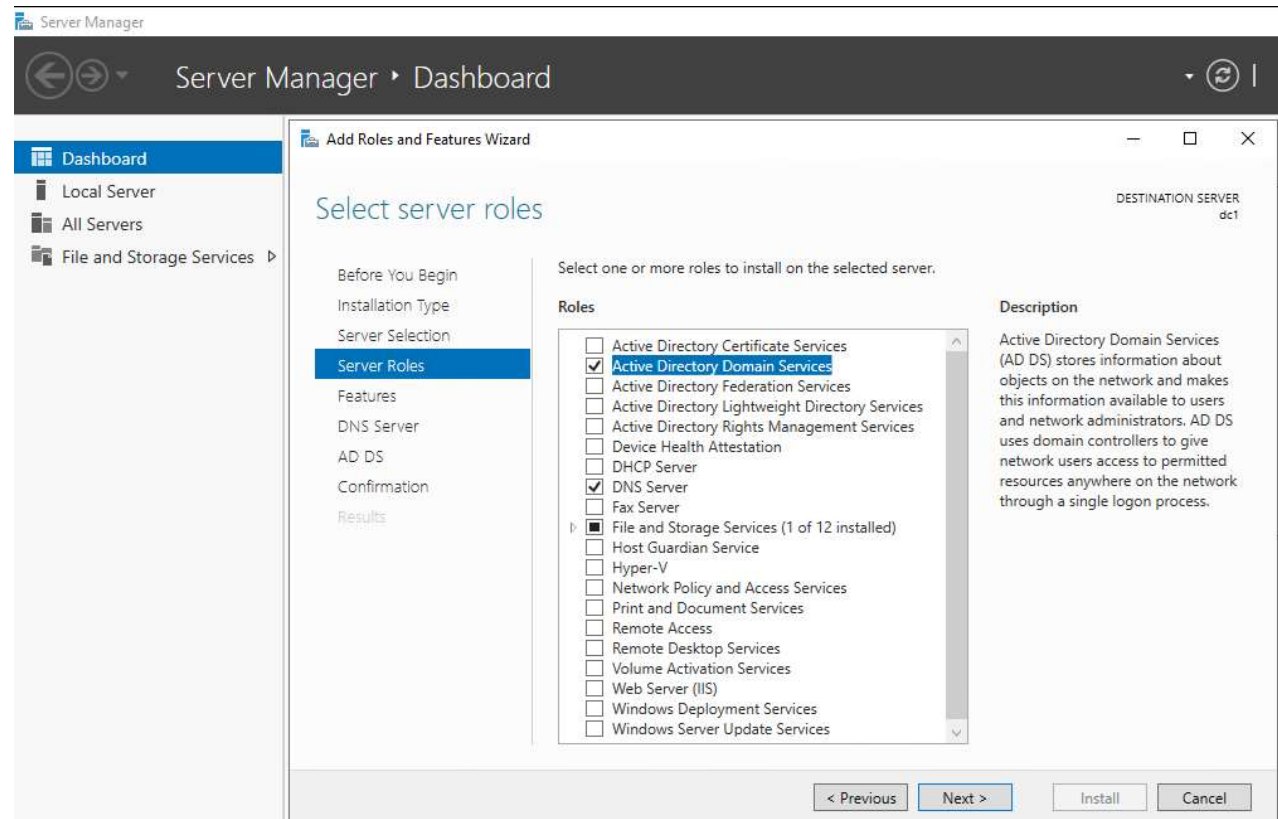
Nainštalujte a nakonfigurujte forest podľa nasledujúceho obrázka **windows.labX.dual**  
X je číslo vašej pridelenej siete

<https://vlab.dual.edu/>



# HELP

Instalácia forestu a domény na DCx



# HELP

Instalácia forestu a domény na DCx

Server Manager ▶ Dashboard

Active Directory Domain Services Configuration Wizard

TARGET SERVER  
dc1

## Domain Controller Options

Deployment Configuration

- Domain Controller Options
- DNS Options
- Additional Options
- Paths
- Review Options
- Prerequisites Check
- Installation
- Results

Select functional level of the new forest and root domain

Forest functional level: Windows Server 2016

Domain functional level: Windows Server 2016

Specify domain controller capabilities

- ☒ Domain Name System (DNS) server
- ☒ Global Catalog (GC)
- ☐ Read only domain controller (RODC)

Type the Directory Services Restore Mode (DSRM) password

Password: .....

Confirm password: .....

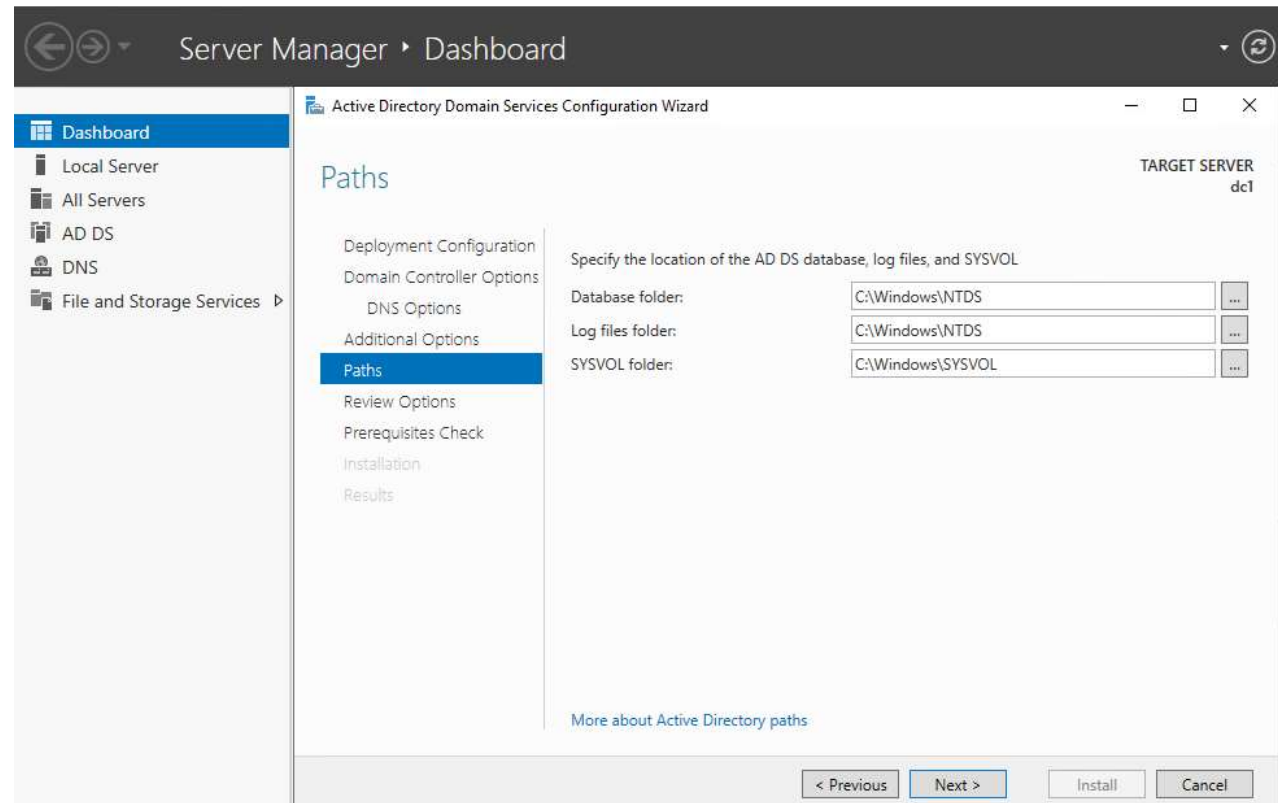
[More about domain controller options](#)

< Previous   Next >   Install   Cancel



# HELP

Instalácia forestu a domény na DCx



# HELP

Instalácia forestu a domény na DC1

The screenshot shows the 'Active Directory Domain Services Configuration Wizard' window. The title bar reads 'Server Manager ▸ Dashboard'. The left sidebar contains a tree view with 'Dashboard' selected, and other options like 'Local Server', 'All Servers', 'AD DS', 'DNS', and 'File and Storage Services'. The main pane is titled 'Deployment Configuration' and shows a list of steps: 'Deployment Configuration' (selected), 'Domain Controller Options', 'DNS Options', 'Additional Options', 'Paths', 'Review Options', 'Prerequisites Check', 'Installation', and 'Results'. The 'Select the deployment operation' section has three radio buttons: 'Add a domain controller to an existing domain', 'Add a new domain to an existing forest', and 'Add a new forest' (which is selected). Below this, the 'Specify the domain information for this operation' section has a text box for 'Root domain name:' containing 'lab0.dual'. At the bottom right, there are buttons for '< Previous', 'Next >', 'Install', and 'Cancel'. A link 'More about deployment configurations' is also present.

Server Manager ▸ Dashboard

Active Directory Domain Services Configuration Wizard

Deployment Configuration

TARGET SERVER  
dc1

Deployment Configuration

- Domain Controller Options
- DNS Options
- Additional Options
- Paths
- Review Options
- Prerequisites Check
- Installation
- Results

Select the deployment operation

- ☐ Add a domain controller to an existing domain
- ☐ Add a new domain to an existing forest
- ☒ Add a new forest

Specify the domain information for this operation

Root domain name:

[More about deployment configurations](#)

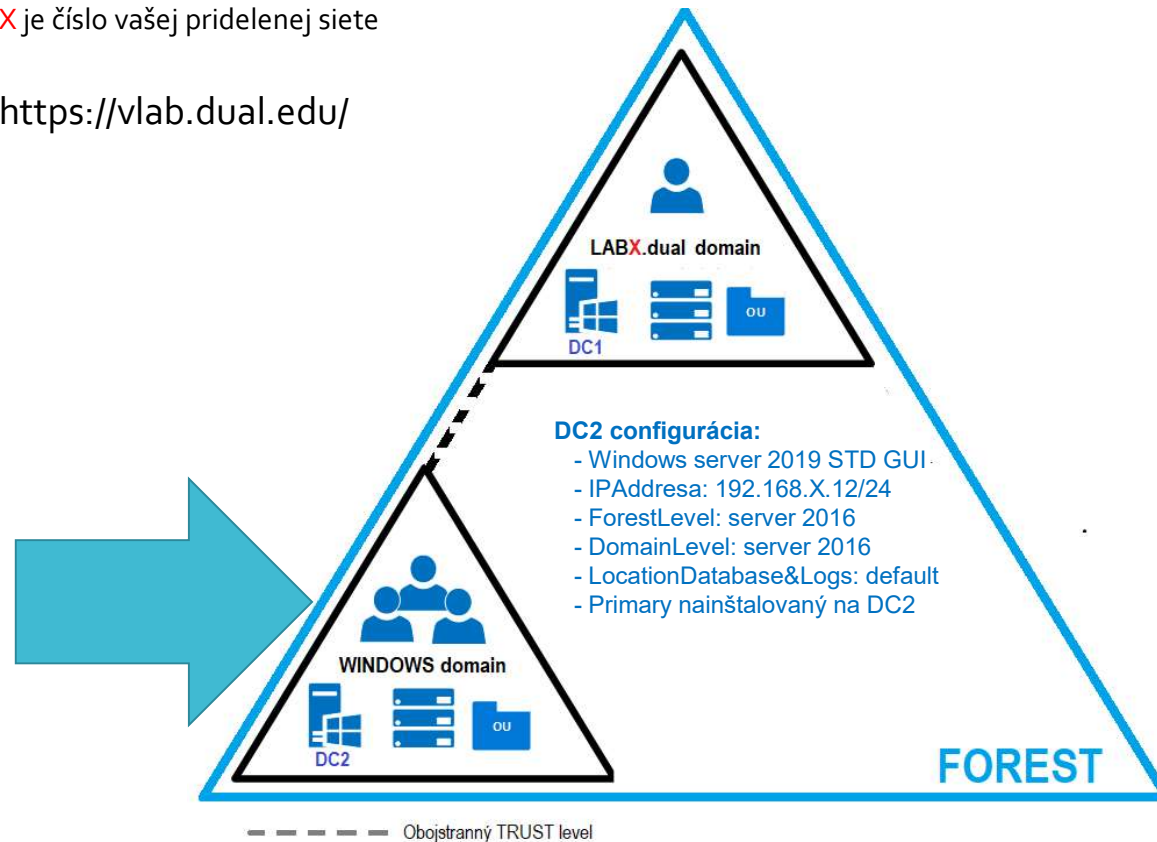
< Previous   Next >   Install   Cancel

Krok#2: Inštalácia DC2

## Krok2:: Inštalácia Forestu a Domény

Nainštalujte a nakonfigurujte forest podľa nasledujúceho obrázka **windows.labX.dual**  
X je číslo vašej pridelenej siete

<https://vlab.dual.edu/>



# HELP

Instalácia forestu a domény na DC2

The screenshot shows the 'Active Directory Domain Services Configuration Wizard' in the 'Server Manager' dashboard. The wizard is at the 'Deployment Configuration' step. The left sidebar shows the navigation pane with 'Dashboard', 'Local Server', 'All Servers', 'AD DS', 'DNS', and 'File and Storage Services'. The main pane shows the 'Deployment Configuration' step with the following options:

- Select the deployment operation:
  - ☐ Add a domain controller to an existing domain
  - ☒ Add a new domain to an existing forest
  - ☐ Add a new forest
- Specify the domain information for this operation:
  - Select domain type:
  - Parent domain name:
  - New domain name:
- Supply the credentials to perform this operation:
  - lab0.dual/administrator

At the bottom of the wizard, there are navigation buttons: '< Previous', 'Next >', 'Install', and 'Cancel'. A link 'More about deployment configurations' is also present.

# HELP

Instalácia forestu a domény na DC2

The screenshot shows the 'Active Directory Domain Services Configuration Wizard' in the 'Server Manager' dashboard. The wizard is titled 'Domain Controller Options' and is running on the 'TARGET SERVER dc2.lab0.dual'. The left sidebar shows the navigation pane with 'Dashboard', 'Local Server', 'All Servers', 'AD DS', 'DNS', and 'File and Storage Services'. The 'AD DS' section is expanded, showing 'Domain Controller Options' as the selected step. The main pane displays the configuration options for the new domain. The 'Domain functional level' is set to 'Windows Server 2016'. Under 'Specify domain controller capabilities and site information', the 'Domain Name System (DNS) server' and 'Global Catalog (GC)' are checked, while 'Read only domain controller (RODC)' is unchecked. The 'Site name' is set to 'Default-First-Site-Name'. The 'Directory Services Restore Mode (DSRM) password' is being entered in two fields: 'Password' and 'Confirm password', both masked with dots. At the bottom, there are buttons for '< Previous', 'Next >', 'Install', and 'Cancel'. A link for 'More about domain controller options' is also present.

Server Manager ▶ Dashboard

Active Directory Domain Services Configuration Wizard

Domain Controller Options

TARGET SERVER  
dc2.lab0.dual

Deployment Configuration  
Domain Controller Options  
DNS Options  
Additional Options  
Paths  
Review Options  
Prerequisites Check  
Installation  
Results

Select functional level of the new domain

Domain functional level: Windows Server 2016

Specify domain controller capabilities and site information

☒ Domain Name System (DNS) server  
☒ Global Catalog (GC)  
☐ Read only domain controller (RODC)

Site name: Default-First-Site-Name

Type the Directory Services Restore Mode (DSRM) password

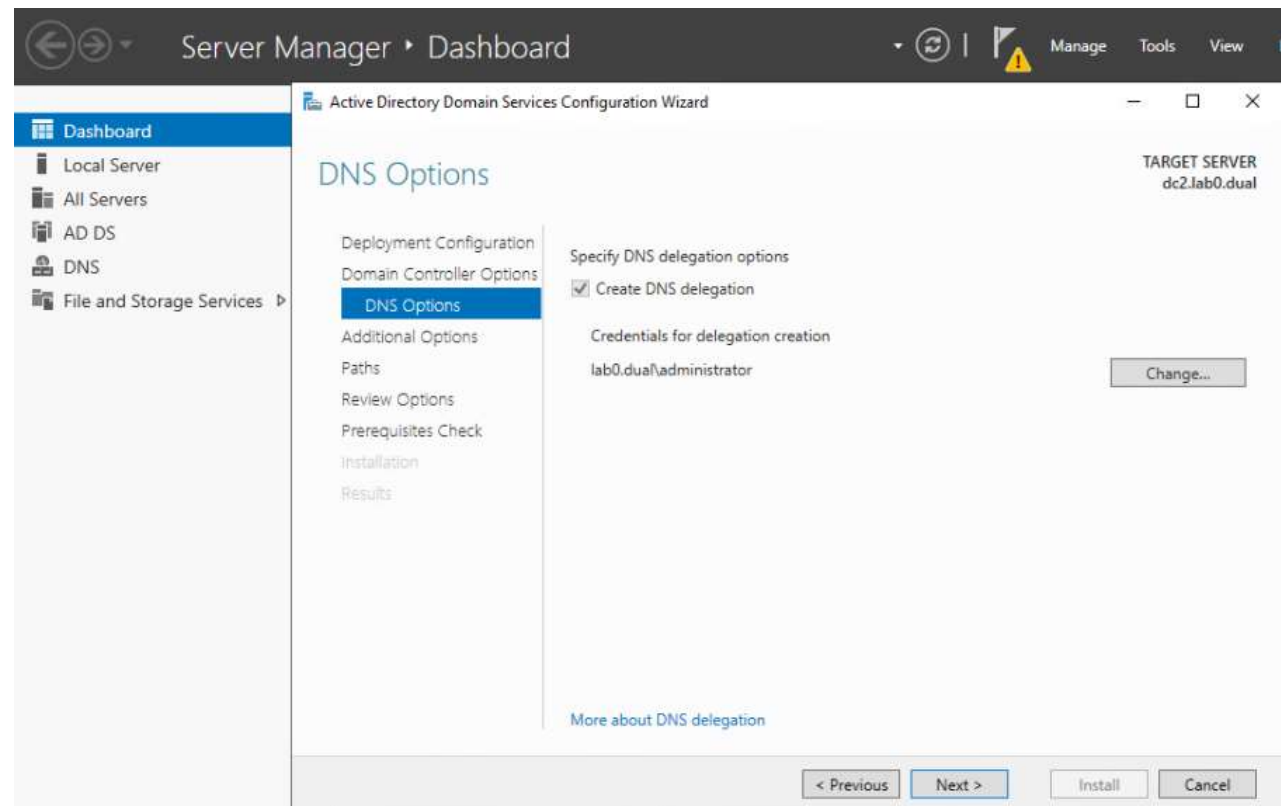
Password: .....  
Confirm password: .....

[More about domain controller options](#)

< Previous Next > Install Cancel

# HELP

Instalácia forestu a domény na DC2



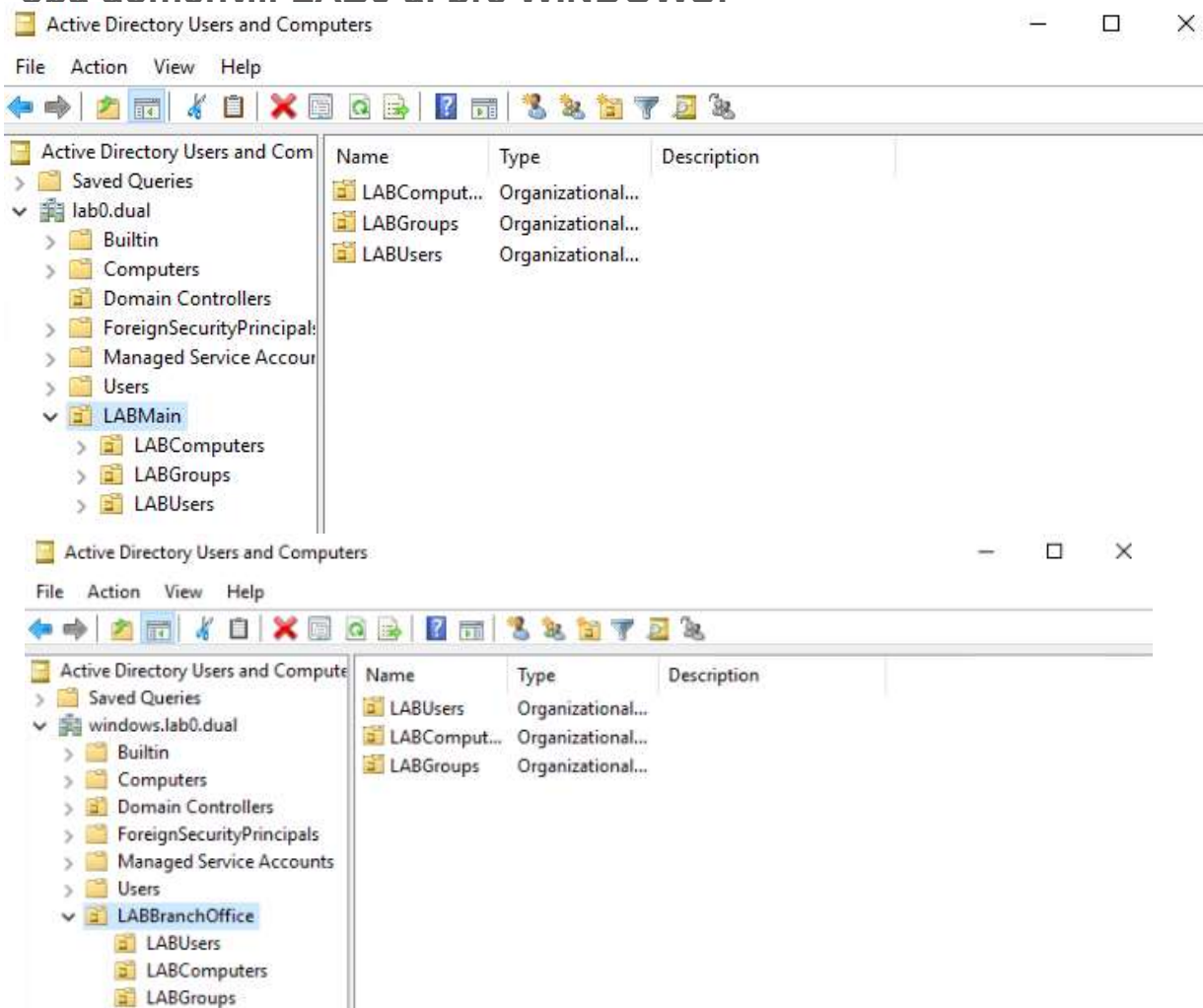
Krok#3: Vytvorenie OU štruktúr v doménach



## Krok3:: Vytvorenie OU

AD Objects

Vytvorte nasledujúce 4 Ous “LAB” v štruktúre ako na obrázku pre oba doménv... LAB0 ai pre WINDOWS:

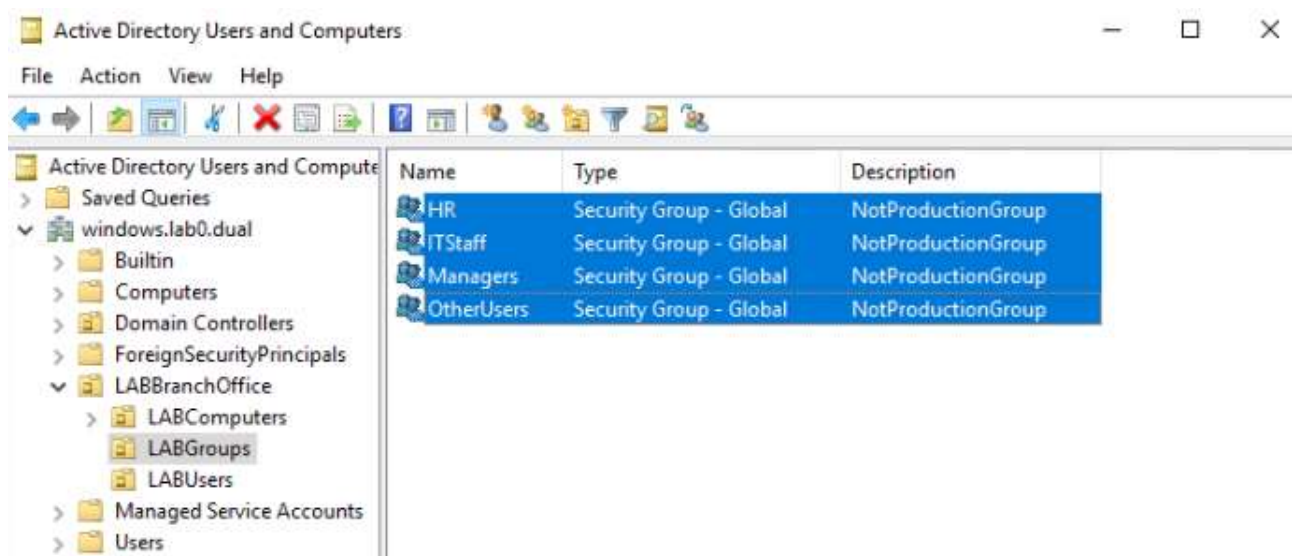


## Krok3:: Vytvorenie OBJ

AD Objects

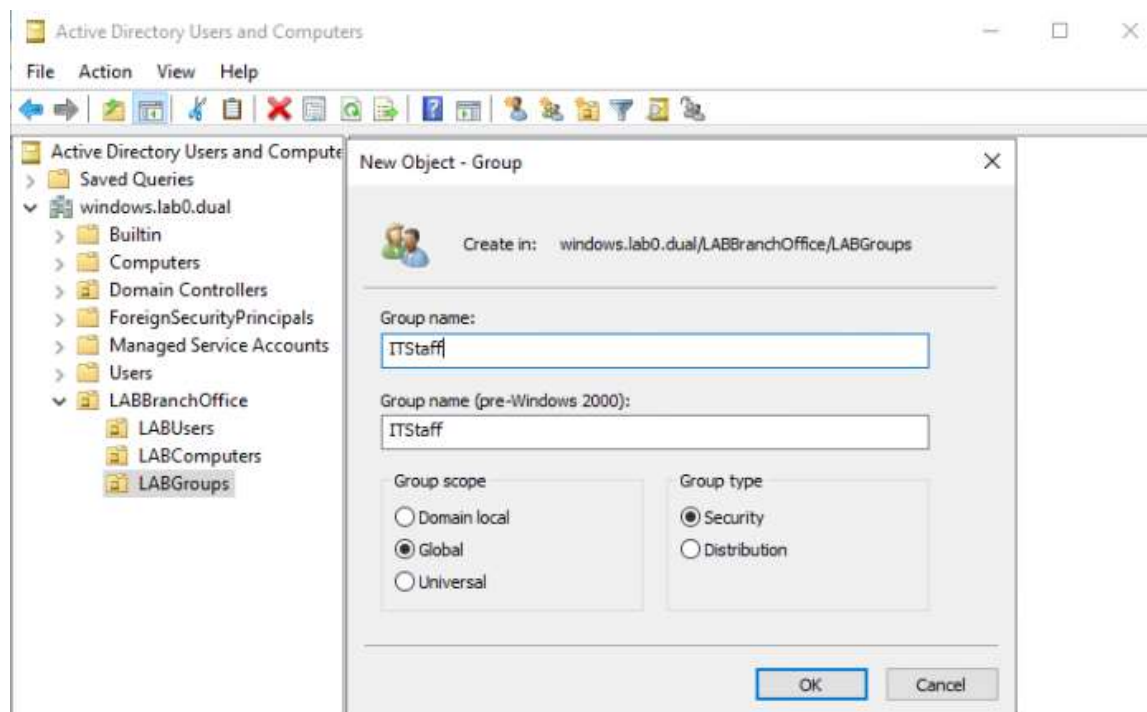
Vytvorte nasledujúce DOMAIN SECURITY GROUPS v doméne WINDOWS::

(vyskúšajte i AD Administraive center tool)



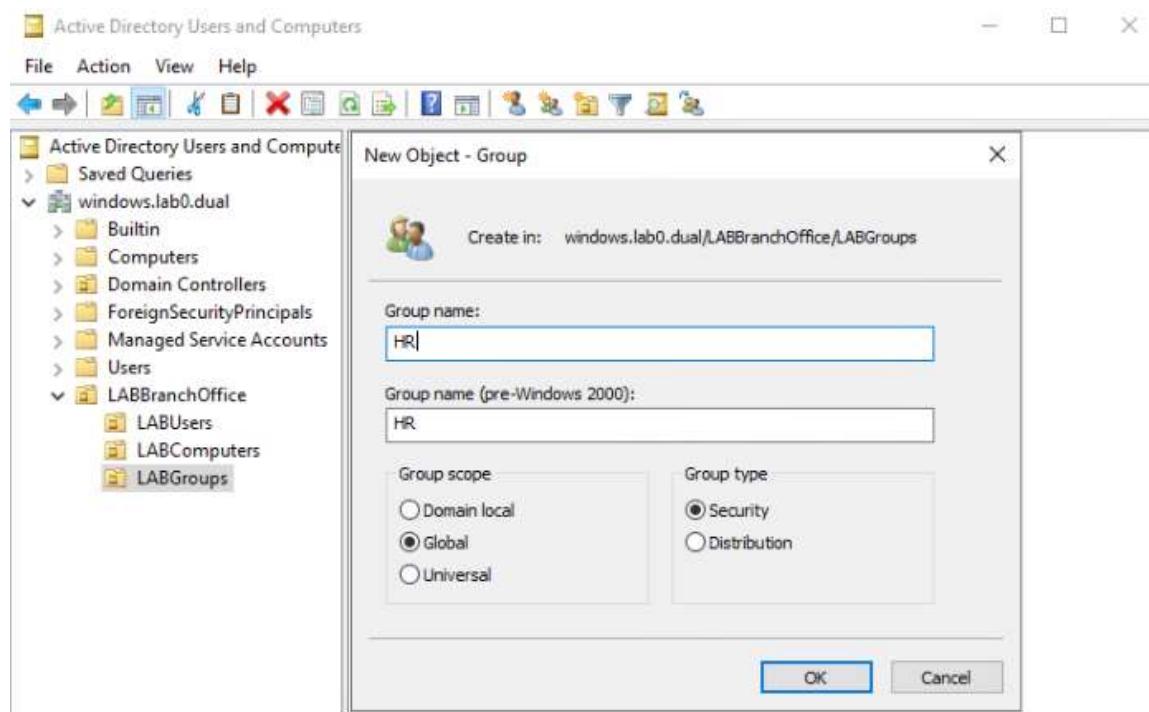
# HELP

Vytvorenie security GROUP(s)



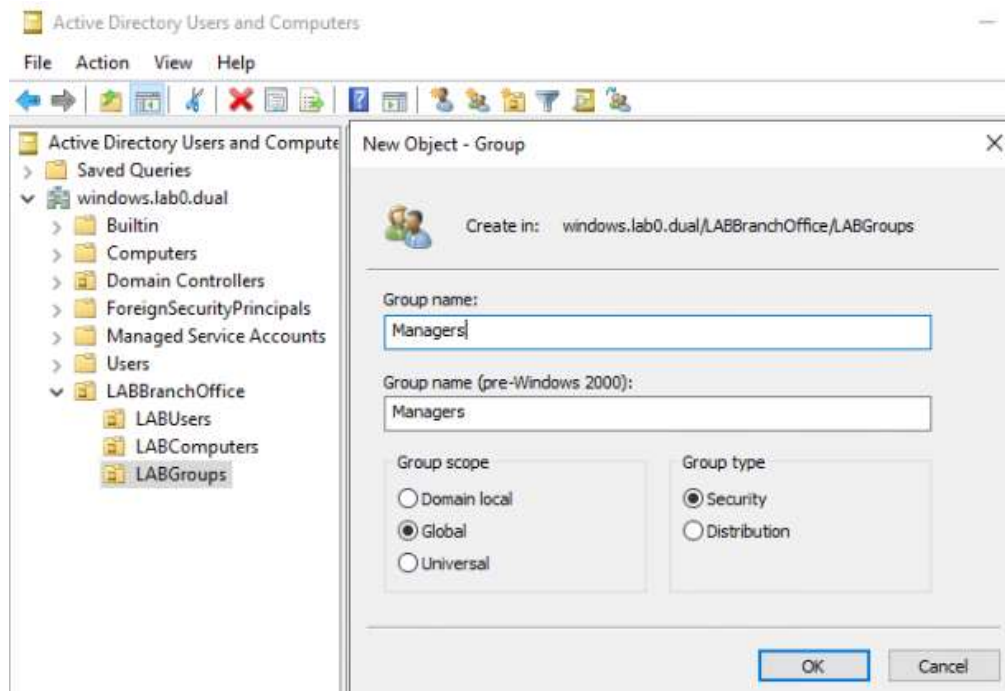
# HELP

Vytvorenie security GROUP(s)



# HELP

Vytvorenie security GROUP(s)



## Krok3:: Vytvorenie OBJ

### Vytvorte nasledujúce DOMAIN USERS v doméne WINDOWS

(vyskúšajte i AD Administraive center tool)

Permissions	FullName	LogonName	Office	Department	Telephone	Email	Country
ENT+DOM Admin	Slavomir Tabak	st	Moldavska	ITT	+421 123 455	sl@windows.lab	Slovakia
Users	Jan Martinko	jm	Moldavska	ITT	+421 123 456	jm@windows.lab	Slovakia
Users	Zuzana Bocek	zb	Zriedlova	HR	+420 123 457	zb@windows.lab	Czech republic
Users	Peter Kraus	pk	Zriedlova	User	+420 123 458	pk@windows.lab	Czech republic

AD Objects



# Koniec

**Additional reading**

<https://learn.microsoft.com/en-us/windows-server/identity/ad-ds/active-directory-domain-services>

