Table of Contents

Assignment 1

Part 1

Description

This part will result in creating two VMs, promoting one of the servers to a Directory Controller and creating a domain.

Screenshots

Figure 1.DC configuration

Figure 2. MS configuration

Part 2

Description

This part will result in creating required OUs, security groups and users.

Screenshots
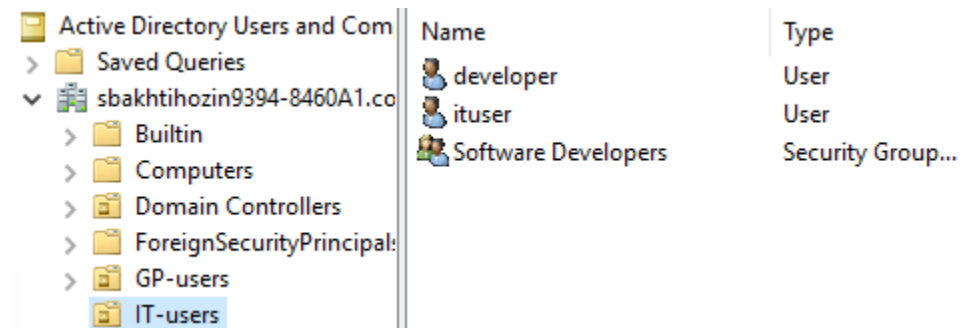
Figure 3. IT-users OU

Figure 4. GP-users OU

Discussion
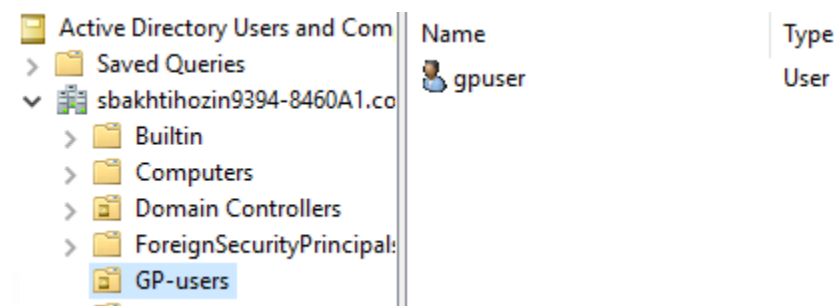
IT users usually require special privileges and permissions so separate IT-users OU was created. Software Developers security group was added to this OU since developers also usually require more permissions than plain users.

Common users have their own GP-users OU.

Part 3

Description

In this part we will create several GPOs and demonstrate their effect in Group Policy Modeling tool.

Screenshots

dev IT-users on IT-users

Summary | Details | Query

Windows Firewall with Advanced Security		
Global Settings		
Inbound Rules		
Name	**Description**	**Winning GPO**
Windows Management Instrumentation (WMI-In)	Inbound rule to allow WMI traffic for remote Windows Management Instrumentation. [TCP]	Default Domain Policy
This rule might contain some elements that cannot be interpreted by the current version of GPMC reporting module		
Enabled	True	
Remote Event Log Management (NP-In)	Inbound rule for the local Event Log service to be remotely managed over Named Pipes.	Default Domain Policy
This rule might contain some elements that cannot be interpreted by the current version of GPMC reporting module		
Enabled	True	
Remote Event Log Management (RPC)	Inbound rule for the local Event Log service to be remotely managed via RPC/TCP.	Default Domain Policy
This rule might contain some elements that cannot be interpreted by the current version of GPMC reporting module		
Enabled	True	
Remote Event Log Management (RPC-EPMAP)	Inbound rule for the RPCSS service to allow RPC/TCP traffic for the local Event Log Service.	Default Domain Policy
This rule might contain some elements that cannot be interpreted by the current version of GPMC reporting module		
Enabled	True	

Figure 5. Firewall configuration

Windows Components/Windows Installer		
Policy	**Setting**	**Winning GPO**
Turn off Windows Installer	Enabled	IT-users Workstation Policy
Disable Windows Installer	Never	

Figure 6. IT-users software installation permission

Windows Settings	
Folder Redirection	
Desktop	
Winning GPO	IT-users Policy
Setting: Basic (Redirect everyone's folder to the same location)	
Path: \\8569394-A1MS\redirection\%USERNAME%\Desktop	
Options	
Documents	
Winning GPO	IT-users Policy
Setting: Basic (Redirect everyone's folder to the same location)	
Path: \\8569394-A1MS\redirection\%USERNAME%\Documents	

Figure 7. IT-users folder redirection

Administrative Templates		
Policy definitions (ADMX files) retrieved from the local computer.		
System		
Policy	**Setting**	**Winning GPO**
Prevent access to registry editing tools	Enabled	Developers Policy
Disable regedit from running silently?	Yes	

Figure 8. Developers cannot use registry editing tools

Administrative Templates

Policy definitions (ADMX files) retrieved from the local computer.

System

Policy	Setting	Winning GPO
Prevent access to registry editing tools	Disabled	IT-users Policy

Figure 9. IT-users have permission to edit registry

Administrative Templates

Policy definitions (ADMX files) retrieved from the local computer.

System

Policy	Setting	Winning GPO
Prevent access to registry editing tools	Enabled	Domain User Policy
Disable regedit from running silently?	Yes	

Figure 10. GP-users cannot edit registry

Windows Settings

Folder Redirection

Desktop

Winning GPO	GP-users Policy

Setting: Basic (Redirect everyone's folder to the same location)

Path: \\8569394-A1MS\\redirection\%USERNAME%\Desktop

Options

Documents

Winning GPO	GP-users Policy

Setting: Basic (Redirect everyone's folder to the same location)

Path: \\8569394-A1MS\redirection\%USERNAME%\Documents

Options

Figure 11. GP-users folder redirection

Administrative Templates

Policy definitions (ADMX files) retrieved from the local computer.

Windows Components/Windows Installer

Policy	Setting	Winning GPO
Turn off Windows Installer	Enabled	Default Domain Policy
Disable Windows Installer	Always	

Figure 12. GP-users cannot install software

IT-users

Linked Group Policy Objects | Group Policy Inheritance | Delegation

This list does not include any GPOs linked to sites. For more details, see Help.

Precedence	GPO	Location	GPO Status	WMI Filter
1	Developers Policy	IT-users	Computer configuration settings disabled	None
2	IT-users Policy	IT-users	Computer configuration settings disabled	None
3	IT-users Workstatio...	IT-users	User configuration settings disabled	None
4	Default Domain Policy	sbakhtihozin9394...	User configuration settings disabled	None
5	Domain User Policy	sbakhtihozin9394...	Computer configuration settings disabled	None

Figure 13. IT-users policy load order

Assignment, INFO8460

GP-users

Linked Group Policy Objects | Group Policy Inheritance | Delegation

This list does not include any GPOs linked to sites. For more details, see Help.

Precedence	GPO	Location	GPO Status	WMI Filter
1	GP-users Policy	GP-users	Enabled	None
2	Default Domain Policy	sbakhtihozin9394...	User configuration settings disabled	None
3	Domain User Policy	sbakhtihozin9394...	Computer configuration settings disabled	None

Figure 14. GP-users policy load order

Discussion

Default Domain Policy has User Configurations disabled. It contains Firewall configurations and disables Windows Installer. Domain User Policy has Computer Configurations disabled. It turns off registry editing tools. Both mentioned GPOs are linked to the whole domain.

GP-users Policy configures folder redirection. It is linked to GP-users OU.

IT-users Policy configures folder redirection and turns on Windows Installer. IT-users Workstation Policy enables registry editing tools. Both IT-users policies are linked to IT-users OU however first one has only User configurations and second one only Computer configurations.

Developers Policy disables registry editing tools. Last GPO is linked to IT-users OU but only applied to Software Developers security group. In the future other configurations can be added to this GPO.

References

Morimoto, R., Shapirro, J., Yardeni, G., Droubi, O., Noel, M., Abbate, A. & Amaris, C. (2017). *Windows Server 2016 Unleashed*. USA: Pearson Education

Retrieved Feb 18, 2019, from https://medium.com/tech-jobs-academy/configuring-folder-redirection-through-group-policy-b38d1faeb833