1. Разяснения относно курсовия проект

- Курсовият проект ще се вземе предвид само ако са предадени необходия брой домшни.
- За курсовия проект ще ви трябват 3 виртулани машини.
- Използвайте само Windows 7 и Windows 2008 R2! Инструментът за оценяване няма да работи коректно с други версии!
- Следвайте много внимателно инструкциите. Много е важно всички имена и настройки да се копират точно както са в инструкциите!
- Ако някоя настройка не е изрично указана, използвайте стойностите по подразбиране.
- Инструментът за оценяване има три бутона, като на всеки от тях пише за коя виртуална машина е предназначен. След натискане на бутона изчакайте и ще видите генериран файл в директорията на инструмента.
- Генерираните файлове за всяка машина трябва да се архивират в един архив.
- Курсовият проект се предава през системата на Telerik, като домашно.

2. Инструкции

2.1 Server DC01

Step	Additional Notes
1. Create new virtual machine	VM Minimum requirements: - 1 CPU - 768 RAM - 15 GB (Expanding/Thin Disk) - Network Adapter (Isolated/Internal Net)
2. Install Windows 2008 R2 Standard Edition	Select Full installation option
3. Configure server name: DC01	
4. Set static IP Address configuration	192.168.75.10 255.255.255.0
5. Enable Remote Desktop	
6. Disable Windows Firewall for all profiles	
7. Set Windows Service "Windows Audio" to disable	
8. Install Active Directory Domain Services Role	
9. Promote server to a domain controller	Create new Domain in new Forest Domain name: <yourTelerikUserName>.local Forest and Domain Functional Level: 2008 R2

10. Create OU Structure	-domin.local
	  - BG
	    - Users
	    - Computers
	    - Groups
	  - UK
	    - Users
	    - Computers
	    - Groups

		- US
		- Users
		- Computers
		- Groups
		- Global Groups
		- Admin Users
11.	Create Accounts and Groups	Create the following accounts and groups: Global Groups/Global Admins Global Groups/All Finance Users BG/Groups/BG Finance Users UK/Groups/UK Finance Users BG/Users/Ivan.Dimitrov BG/Users/Denislav.Petkov UK/Users/Moyra.Kelly UK/Users/John.Smith Admin Users/Petar.Ivanov Admin Users/Ivan.Georgiev Admin Users/Johny.Thompsan
12.	Add users and groups nesting	Add Petar.Ivanov, Ivan.Georgiev and Johny.Thompsan to **Global Admins** Add Ivan.Dimitrov and Denislav.Petkov to **BG Finance Users** Add **BG Finance Users** and **UK Finance Users** to **All Finance Users**
13.	Enable Active Directory Recycle Bin	

14.	Create GPO AppLocker	GPO Name: GlobalAppLockerPolicy
		 GPO Settings:
		   • Enable Applocker
		   • Enforce rules for all categories
		   • Create default rules
		 GPO Links: Link the GPO to BG/UK/US OUs

15.	Create GPO DesktopPolicy	GPO Name: GlobalDesktopPolicy GPO Settings: Set custom desktop background image GPO Links: Link the GPO to the domain
16.	Find the Domain SID of your domain	Find the domain SID and save it in C:\domainSID.txt

17.	Install File Service Role	Install File Service Role and select:
		  DFS Namespace role service
		  File Server Resource Manager

18.	Create new Shared Folder	Location: C:\Shared Documents Share Name: Shared Documents Share Permissions: Everyone – Full Control NTFS Permissions:

		• Deselect – "Include inheritable permissions from this object's parent" • Add Administrators – Full Control • Add Authenticated Users – Read • Add All Finance Users – Modify
19.	Create new DFS Namespace	Name: DATA
20.	Create DFS Link Target (New Folder)	\\domain\DATA\SharedDocs -> \\DC01\Shared Documents
21.	Set folder quota on C:\Shared Documents	Set Hard Quota 300 MB

2.2   Server SRV01

Step	Additional Notes
1. Create new virtual machine	VM Minimum requirements: - **1** CPU - **768** RAM - **30 GB** (Expanding/Thin Disk) - Network Adapter (Isolated/Internal Net)
2. Install Windows 2008 R2 Standard Edition	Select Full installation option
3. Configure server name: SRV01	
4. Set static IP Address and DNS	192.168.75.11 255.255.255.0 DNS: 192.168.75.10
5. Join server in the domain	
6. Enable Remote Desktop	
7. Disable Windows Firewall for all profiles	
8. Install DHCP Role	
9. Create new DHCP Scope	Scope Settings: Range: 192.168.75.1 – 192.168.75.254 Exclusion: 192.168.75.1 – 192.168.75.128 DNS: 192.168.75.10
10. Install WDS Role	
11. Add Boot and Install Images	Add WIMs from Windows 2008 R2 Set default names for Install Images

Step	Additional Notes
12. Create Capture Image	Set capture image name "Capture" and filename "capture.wim"
13. Create new user defined Performance Monitor DataCollectorSet	Name: CPUandMemory Add Performance counters: • Processor: %Processor Time • Memory: Available MBytes

2.3   Client machine CL01

Step	Additional Notes
1. Create new virtual machine	VM Minimum requirements: - 1 CPU - 768 RAM - 15 GB (Expanding/Thin Disk) - Network Adapter (Isolated/Internal)
2. Install Windows 7	Ultimate or Enterprise
3. Configure name: CL01	
4. Set dynamic IP and DNS configuration	
5. Join workstation in the domain	
6. Disable Windows Firewall for all profiles	
7. Run Sysprep	Select OOBE and Generalize options
8. Shutdown Workstation	
9. Boot Capture Image	
10. Capture Win7 Image and upload it on the WDS	Set image name "Win7Prep" and description "Win7Prep"

2.4   Capture all configurations

Step	Additional Notes
1. Download **ExamAssessmentTool**	
2. Copy **ExamAssessmentTool** to each VM	
3. Run **ExamAssessmentTool** on each VM and select the proper button (computername)	
4. Copy all output files to a single folder	
5. Create zip file that contains all output files	
6. Upload the zip file as homework in the Telerik Academy system	