ASSIGNMENT:

Windows Server Backup and Windows Server

Assignment Description:

"You are a system administrator in a company that is on the Server user _ime-SRV01, in the C:/Data folder, has financial data that needs to be backed up regularly. Use Windows Server Backup to make regular backups of all data on the server. You need to install Windows Server Backup on the server korisničko_ime-SRV01 and configure it according to the following requirements:

- *Backup/backup configuration: Full server (recommended);*
- *Backup start time: once a day 03:00;*
- *Backup destination type: Backup to a shared network folder;*
- *Remote folder://korisničko_ime-SRV03/BackupData;*
- *Username/username to configure the backup:Administrator*
- *Password: The password you use for your administrator account.*

Run Windows Server Backup on the SRV-1 server, after which you will run a one-time backup for the C:/Data folder.

Course: Windows Server 2022 OS - Infrastructure
Module: High Availability and Disaster Recovery
Student: Jovan Ljušić
03.05.2024

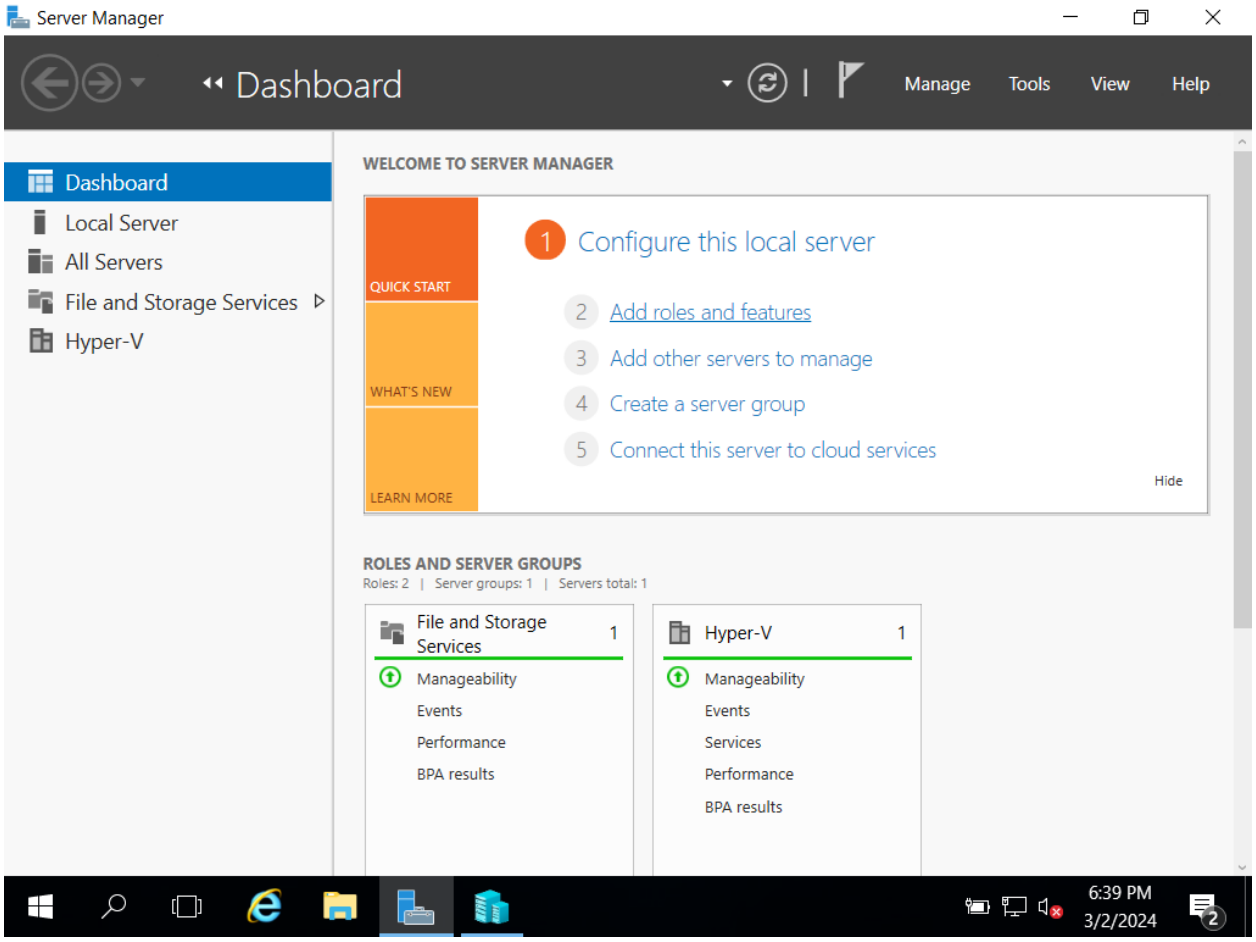
This document presents a step-by-step approach to solving a specific task, outlining the methodology, execution, and expected outcomes. By following the instructions, the reader will gain hands-on experience in applying technical concepts to practical situations, reinforcing both theoretical knowledge and problem-solving abilities.

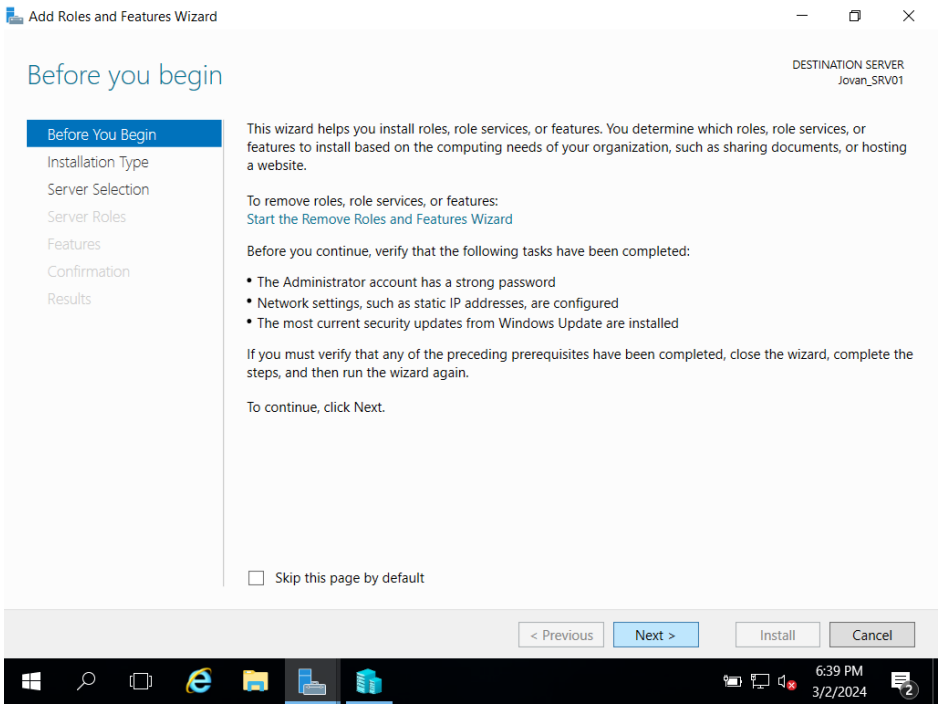
The structured approach ensures that each step is clearly defined, making the process easy to follow and implement in professional environments.

At the very beginning of the task, I will start the virtual machine with the name assigned in the task, and after that I will begin the installation of Windows Server Backup features, as shown in the attached images.

"You are a system administrator in a company that is on the Server user _ime-SRV01, in the C:/Data folder, has financial data that needs to be backed up regularly. Use Windows Server Backup to make regular backups of all data on the server.

You need to install Windows Server Backup on the server korisničko_ime-SRV01"




Add Roles and Features Wizard
Before you begin
DESTINATION SERVER
Jovan_SRV01
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or hosting a website.
To remove roles, role services, or features:
Start the Remove Roles and Features Wizard
Before you continue, verify that the following tasks have been completed:
• The Administrator account has a strong password
• Network settings, such as static IP addresses, are configured
• The most current security updates from Windows Update are installed
If you must verify that any of the preceding prerequisites have been completed, close the wizard, complete the steps, and then run the wizard again.
To continue, click Next.
Skip this page by default
< Previous
Next >
Install
Cancel
6:39 PM
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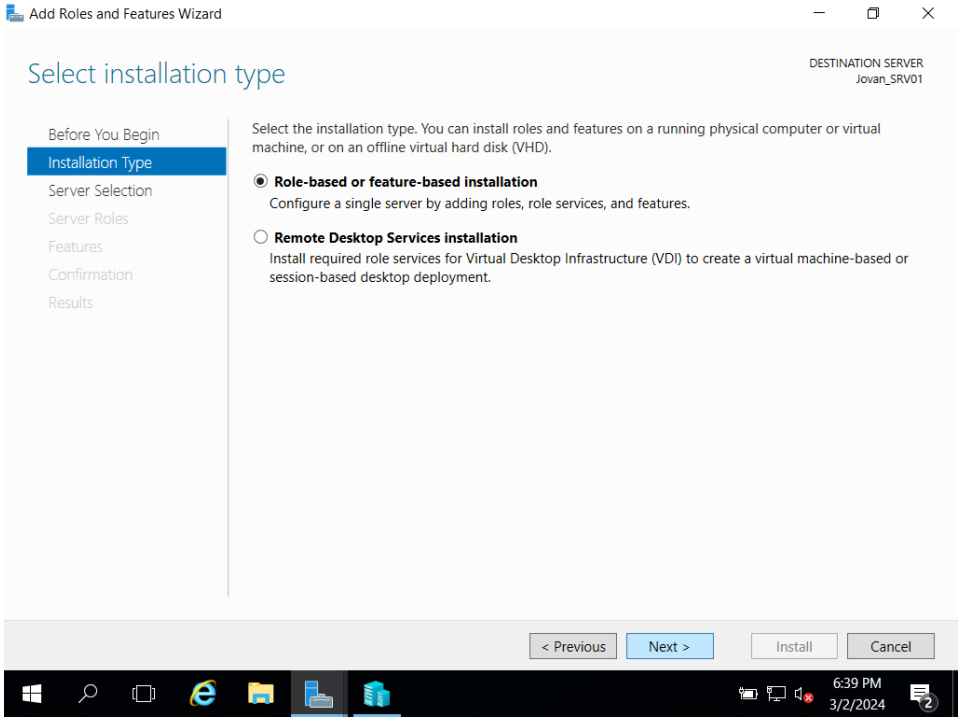
Add Roles and Features Wizard
Select installation type
DESTINATION SERVER
Jovan_SRV01
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on 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.
< Previous
Next >
Install
Cancel
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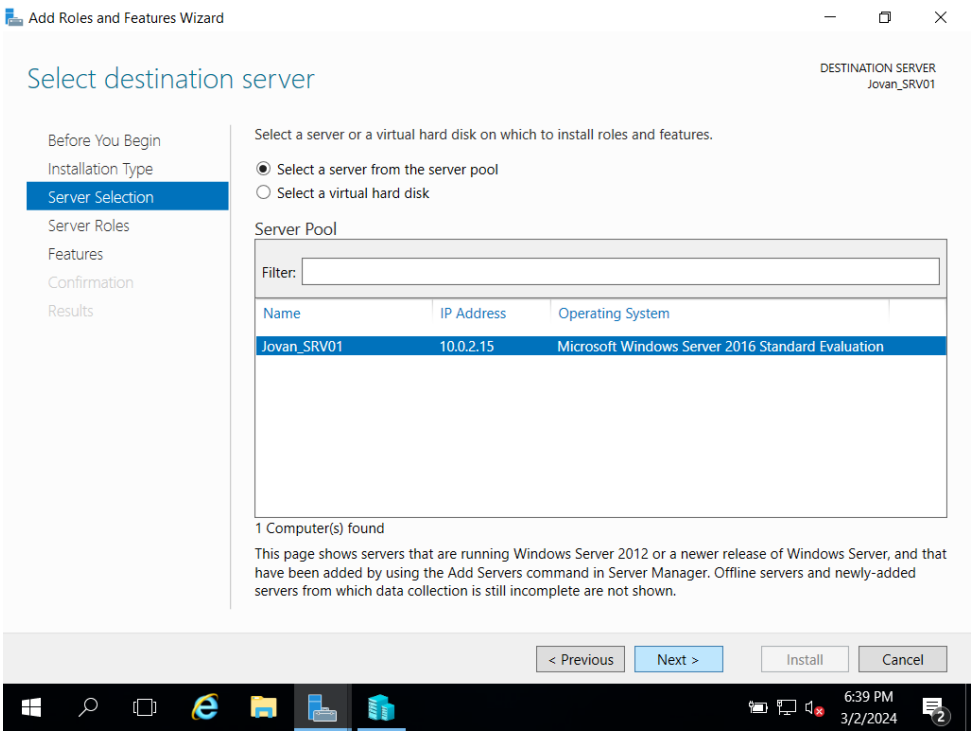
Add Roles and Features Wizard
Select destination server
DESTINATION SERVER
Jovan_SRV01
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select a server or a virtual hard disk on which to install roles and features.
Select a server from the server pool
Select a virtual hard disk
Server Pool
Filter:
Name
IP Address
Operating System
Jovan_SRV01
10.0.2.15
Microsoft Windows Server 2016 Standard Evaluation
1 Computer(s) found
This page shows servers that are running Windows Server 2012 or a newer release of Windows Server, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.
< Previous
Next >
Install
Cancel
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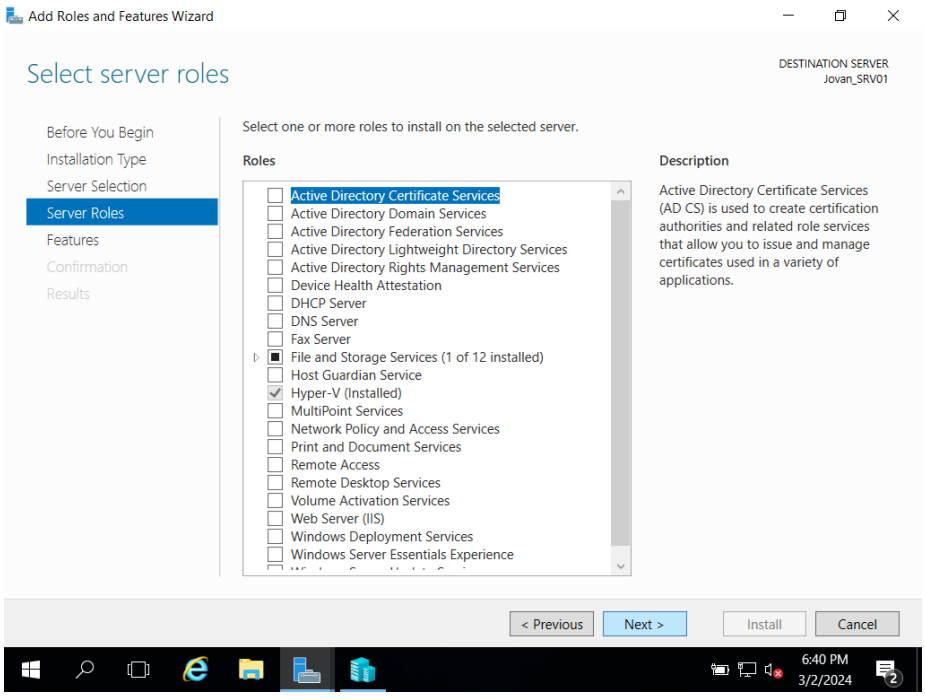
Add Roles and Features Wizard
Select server roles
DESTINATION SERVER
Jovan_SRV01
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select one or more roles to install on the selected server.
Roles
Active Directory Certificate Services
Active Directory Domain Services
Active Directory Federation Services
Active Directory Lightweight Directory Services
Active Directory Rights Management Services
Device Health Attestation
DHCP Server
DNS Server
Fax Server
File and Storage Services (1 of 12 installed)
Host Guardian Service
Hyper-V (Installed)
MultiPoint Services
Network Policy and Access Services
Print and Document Services
Remote Access
Remote Desktop Services
Volume Activation Services
Web Server (IIS)
Windows Deployment Services
Windows Server Essentials Experience
Description
Active Directory Certificate Services (AD CS) is used to create certification authorities and related role services that allow you to issue and manage certificates used in a variety of applications.
< Previous
Next >
Install
Cancel
6:40 PM
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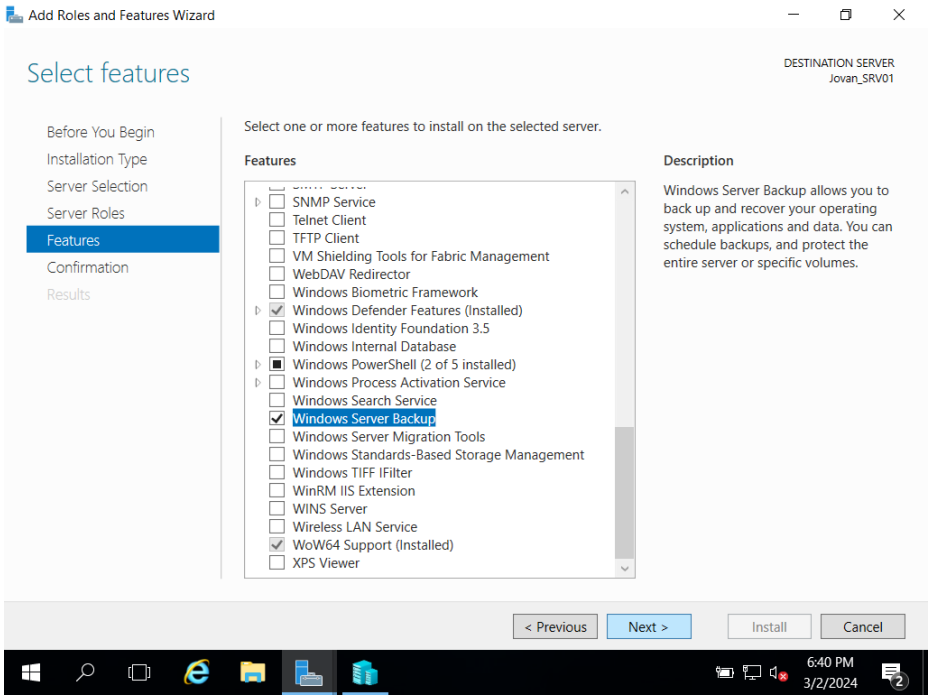
Add Roles and Features Wizard
Select features
DESTINATION SERVER
Jovan_SRV01
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select one or more features to install on the selected server.
Features
SNMP Service
Telnet Client
TFTP Client
VM Shielding Tools for Fabric Management
WebDAV Redirector
Windows Biometric Framework
Windows Defender Features (Installed)
Windows Identity Foundation 3.5
Windows Internal Database
Windows PowerShell (2 of 5 installed)
Windows Process Activation Service
Windows Search Service
Windows Server Backup
Windows Server Migration Tools
Windows Standards-Based Storage Management
Windows TIFF IFilter
WinRM IIS Extension
WINS Server
Wireless LAN Service
WoW64 Support (Installed)
XPS Viewer
Description
Windows Server Backup allows you to back up and recover your operating system, applications and data. You can schedule backups, and protect the entire server or specific volumes.
< Previous
Next >
Install
Cancel
6:40 PM
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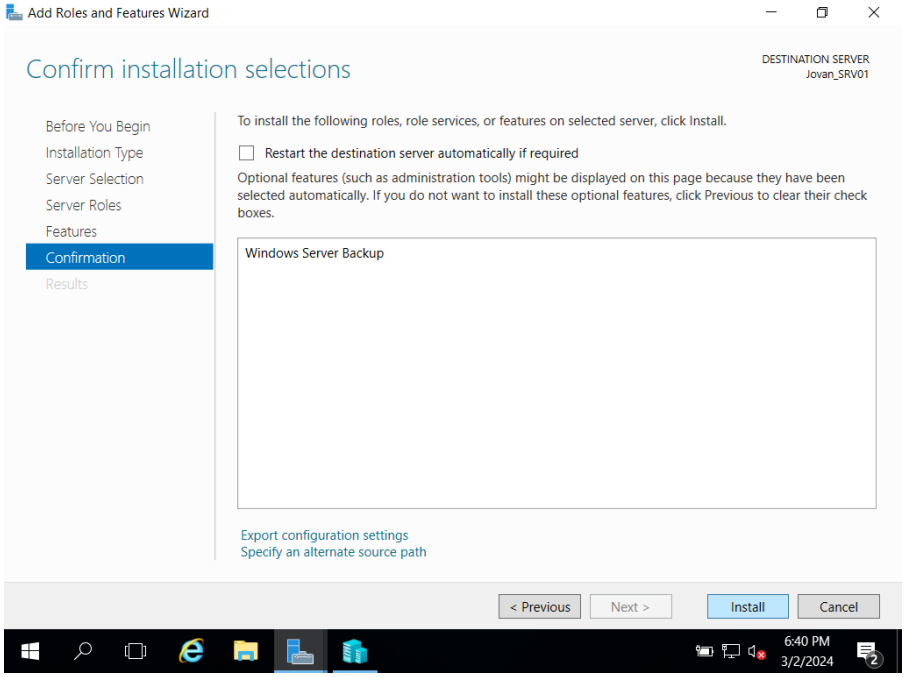
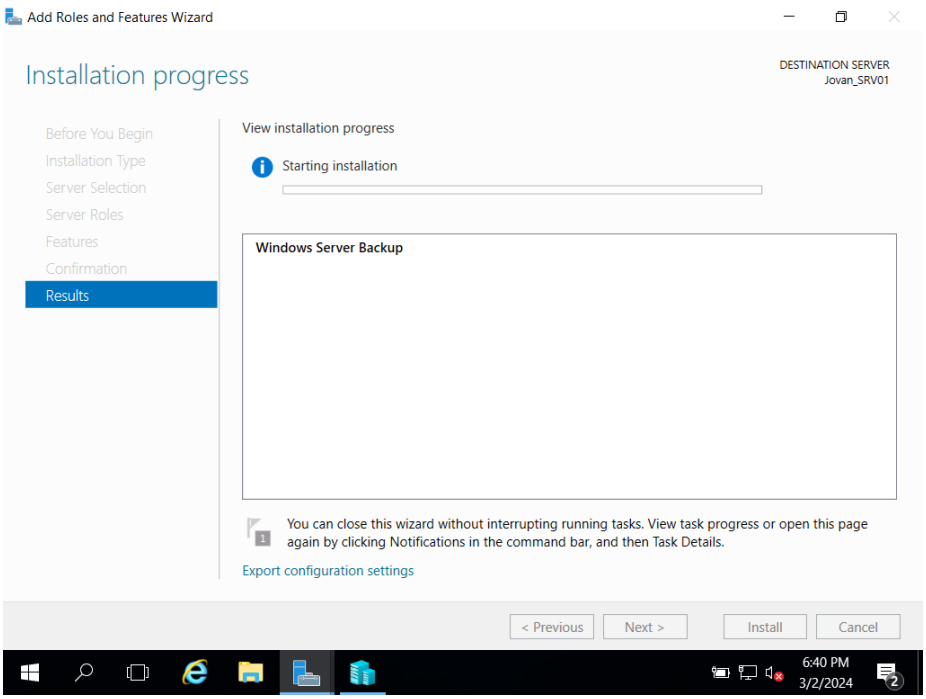
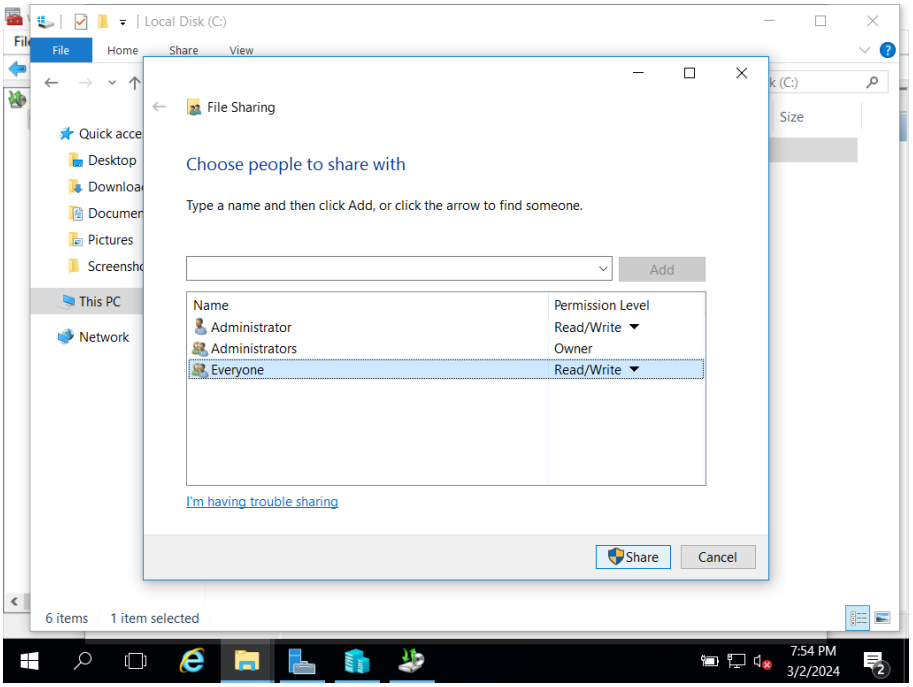
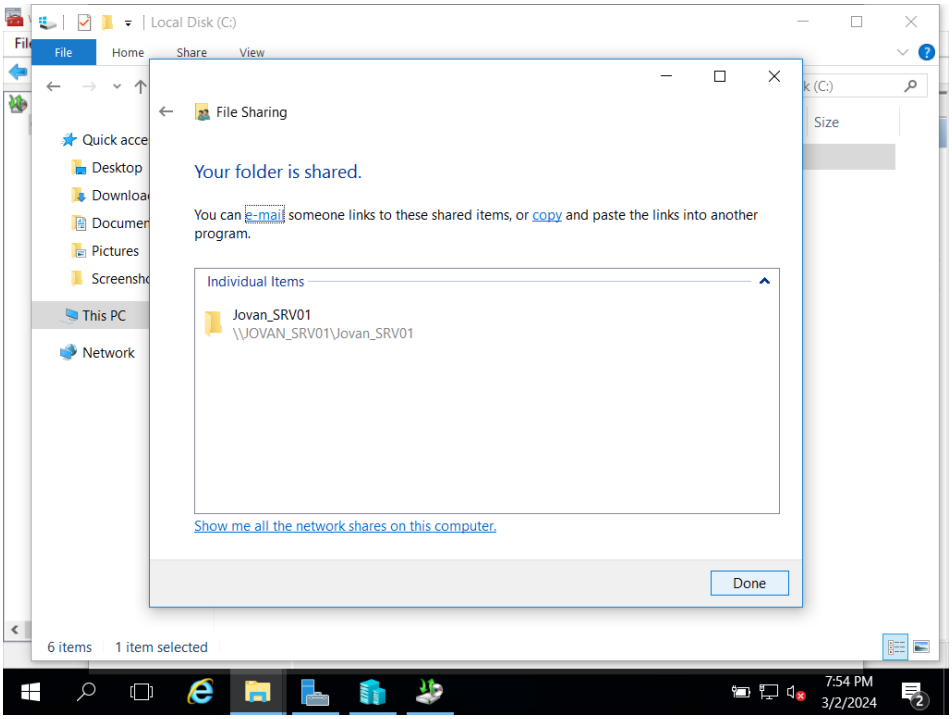

Add Roles and Features Wizard
Confirm installation selections
DESTINATION SERVER
Jovan_SRV01
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
To install the following roles, role services, or features on selected server, click Install.
Restart the destination server automatically if required
Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.
Windows Server Backup
Export configuration settings
Specify an alternate source path
< Previous
Next >
Install
Cancel
6:40 PM
3/2/2024



Each image shows a step that follows the process of adding specific options, such as Windows Server Backup. After that, I will create a folder that will contain the purpose of the task and will be named *Remote Folder://korisničko_ime-SRV03/BackupData.*



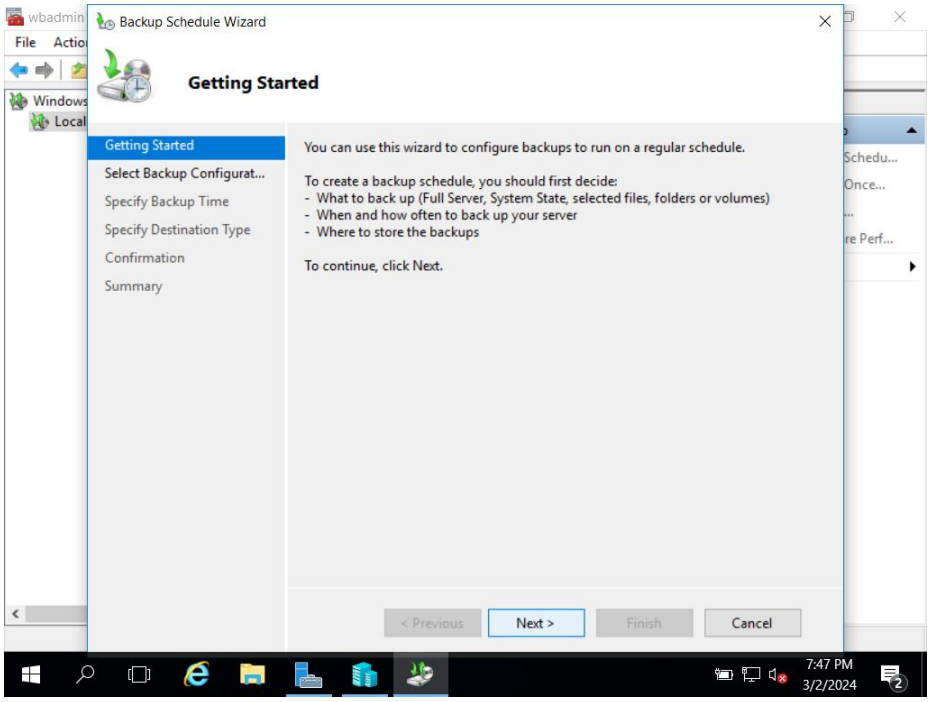


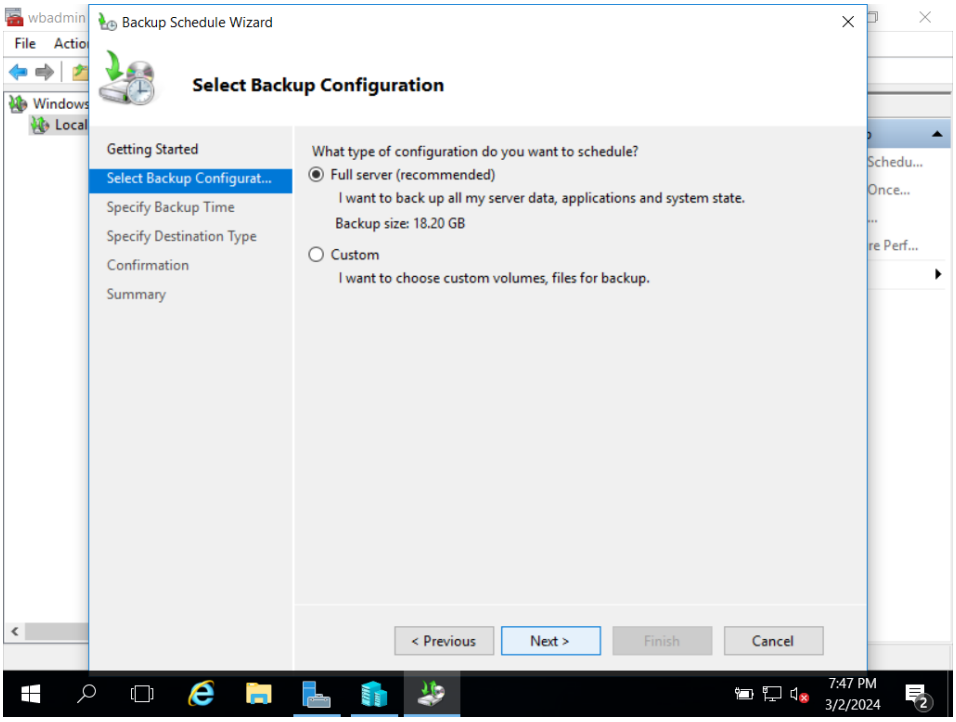
The next part of the task includes setting the backup options, as stated in the task, as well as the process of starting the backup as can be seen in the following images.

You need to install Windows Server Backup on the server korisničko_ime-SRV01 and configure it according to the following requirements:

- *Backup/backup configuration: Full server (recommended);*
- *Backup start time: once a day 03:00;*
- *Backup destination type: Backup to a shared network folder;*
- *Remote folder://korisničko_ime-SRV03/BackupData;*
- *Username/username to configure the backup:Administrator*
- *Password: The password you use for your administrator account.*

Run Windows Server Backup on the SRV-1 server, after which you will run a one-time backup for the C:/Data folder.


Backup Schedule Wizard
Getting Started
Getting Started
Select Backup Configurat...
Specify Backup Time
Specify Destination Type
Confirmation
Summary
You can use this wizard to configure backups to run on a regular schedule.
To create a backup schedule, you should first decide:
- What to back up (Full Server, System State, selected files, folders or volumes)
- When and how often to back up your server
- Where to store the backups
To continue, click Next.
< Previous
Next >
Finish
Cancel
7:47 PM
3/2/2024


Backup Schedule Wizard
Select Backup Configuration
Getting Started
Select Backup Configurat...
Specify Backup Time
Specify Destination Type
Confirmation
Summary
What type of configuration do you want to schedule?
Full server (recommended)
I want to back up all my server data, applications and system state.
Backup size: 18.20 GB
Custom
I want to choose custom volumes, files for backup.
< Previous
Next >
Finish
Cancel
7:47 PM
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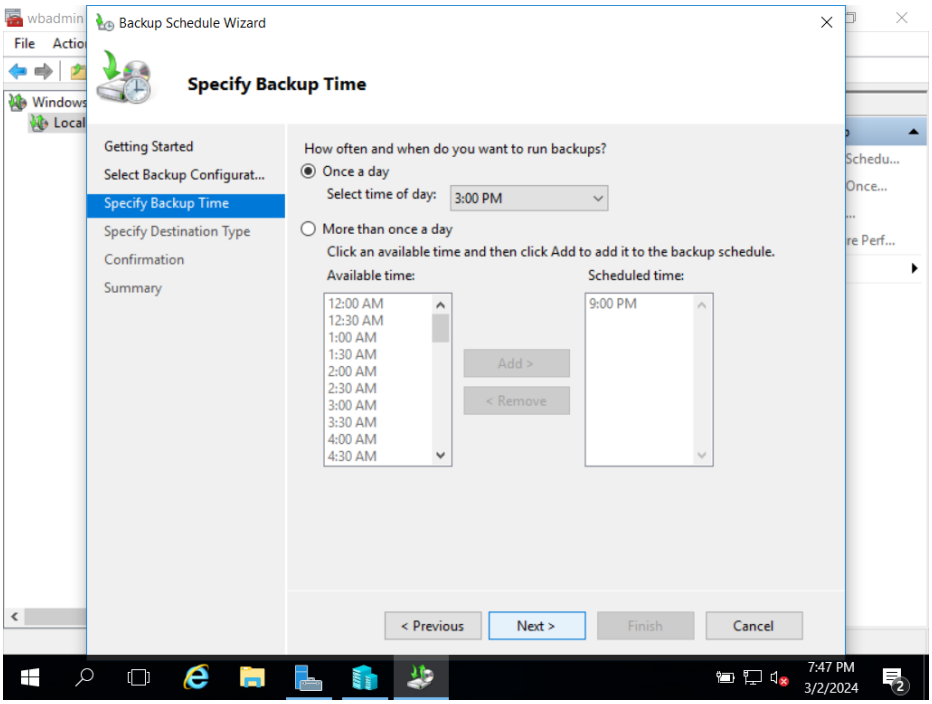
Backup Schedule Wizard
Specify Backup Time
Getting Started
Select Backup Configurat...
Specify Backup Time
Specify Destination Type
Confirmation
Summary
How often and when do you want to run backups?
Once a day
Select time of day:
3:00 PM
More than once a day
Click an available time and then click Add to add it to the backup schedule.
Available time:
12:00 AM
12:30 AM
1:00 AM
1:30 AM
2:00 AM
2:30 AM
3:00 AM
3:30 AM
4:00 AM
4:30 AM
Add >
< Remove
Scheduled time:
9:00 PM
< Previous
Next >
Finish
Cancel
7:47 PM
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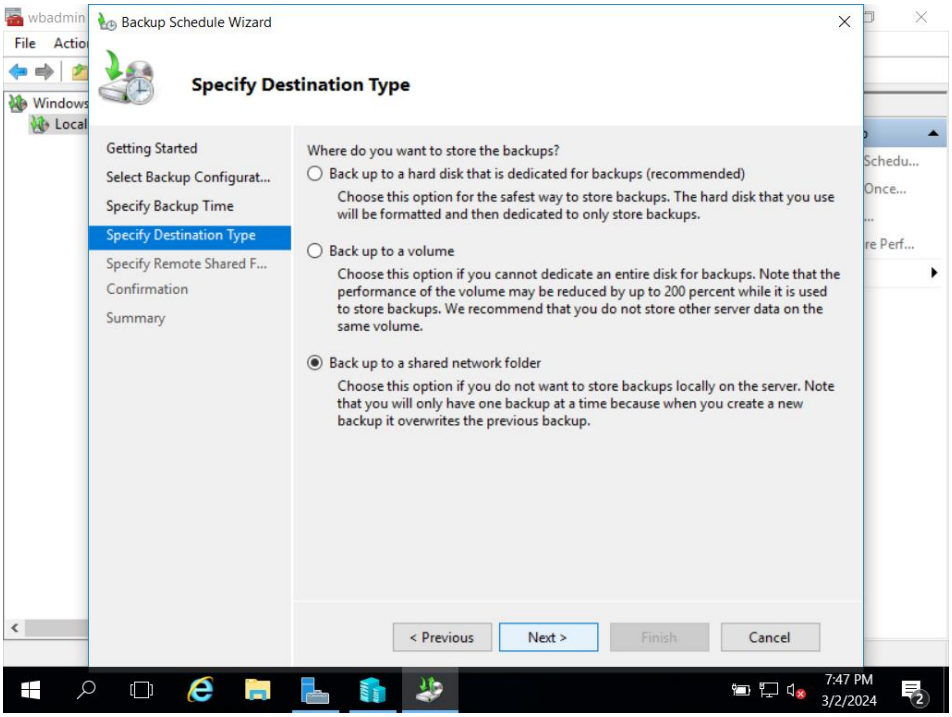
Backup Schedule Wizard
Specify Destination Type
Getting Started
Select Backup Configurat...
Specify Backup Time
Specify Destination Type
Specify Remote Shared F...
Confirmation
Summary
Where do you want to store the backups?
Back up to a hard disk that is dedicated for backups (recommended)
Choose this option for the safest way to store backups. The hard disk that you use will be formatted and then dedicated to only store backups.
Back up to a volume
Choose this option if you cannot dedicate an entire disk for backups. Note that the performance of the volume may be reduced by up to 200 percent while it is used to store backups. We recommend that you do not store other server data on the same volume.
Back up to a shared network folder
Choose this option if you do not want to store backups locally on the server. Note that you will only have one backup at a time because when you create a new backup it overwrites the previous backup.
< Previous
Next >
Finish
Cancel
7:47 PM
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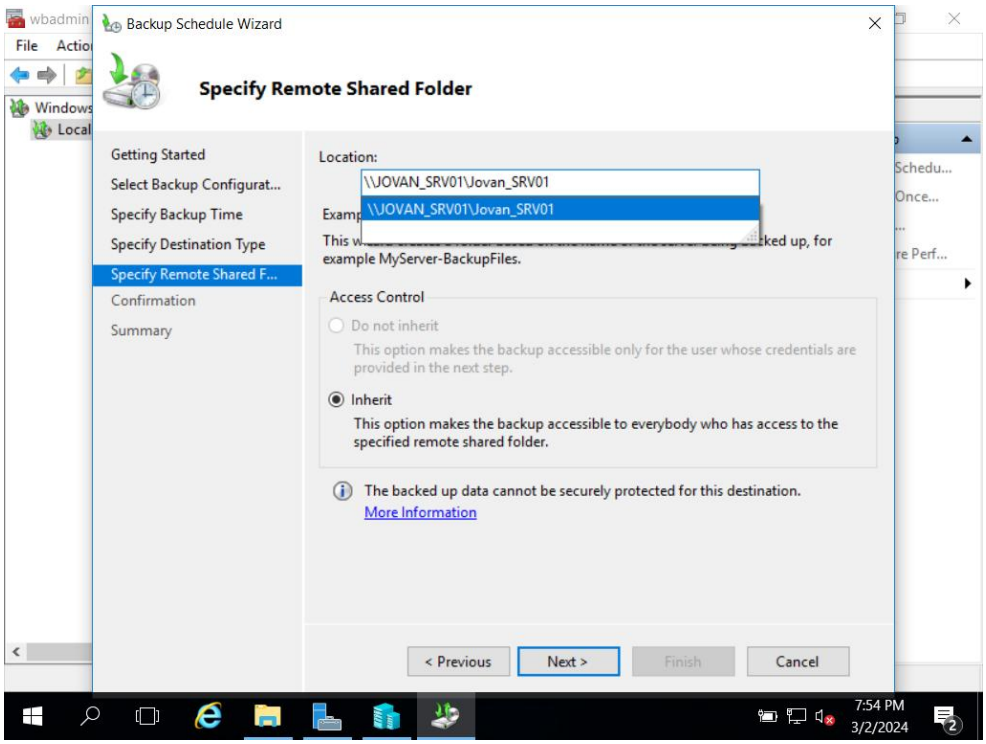
Backup Schedule Wizard
Specify Remote Shared Folder
Getting Started
Select Backup Configurat...
Specify Backup Time
Specify Destination Type
Specify Remote Shared F...
Confirmation
Summary
Location:
\\JOVAN_SRV01\Jovan_SRV01
\\JOVAN_SRV01\Jovan_SRV01
example MyServer-BackupFiles.
Access Control
Do not inherit
This option makes the backup accessible only for the user whose credentials are provided in the next step.
Inherit
This option makes the backup accessible to everybody who has access to the specified remote shared folder.
The backed up data cannot be securely protected for this destination.
More Information
< Previous
Next >
Finish
Cancel
7:54 PM
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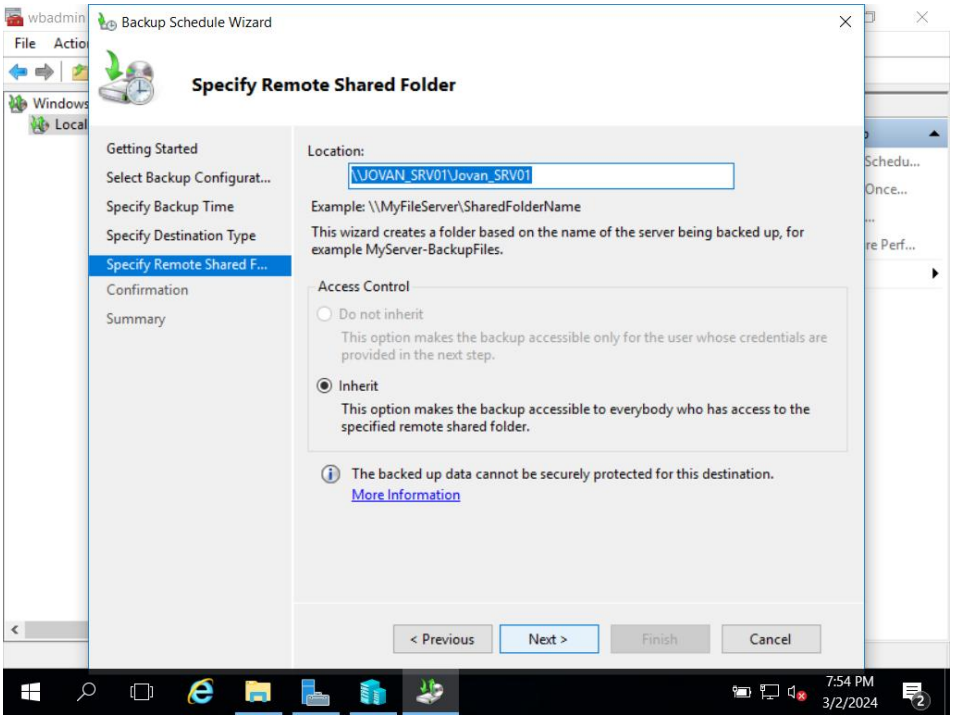
Backup Schedule Wizard
Specify Remote Shared Folder
Getting Started
Select Backup Configurat...
Specify Backup Time
Specify Destination Type
Specify Remote Shared F...
Confirmation
Summary
Location:
\\JOVAN_SRV01\Jovan_SRV01
Example: \\MyFileServer\SharedFolderName
This wizard creates a folder based on the name of the server being backed up, for example MyServer-BackupFiles.
Access Control
Do not inherit
This option makes the backup accessible only for the user whose credentials are provided in the next step.
Inherit
This option makes the backup accessible to everybody who has access to the specified remote shared folder.
The backed up data cannot be securely protected for this destination.
More Information
< Previous
Next >
Finish
Cancel
7:54 PM
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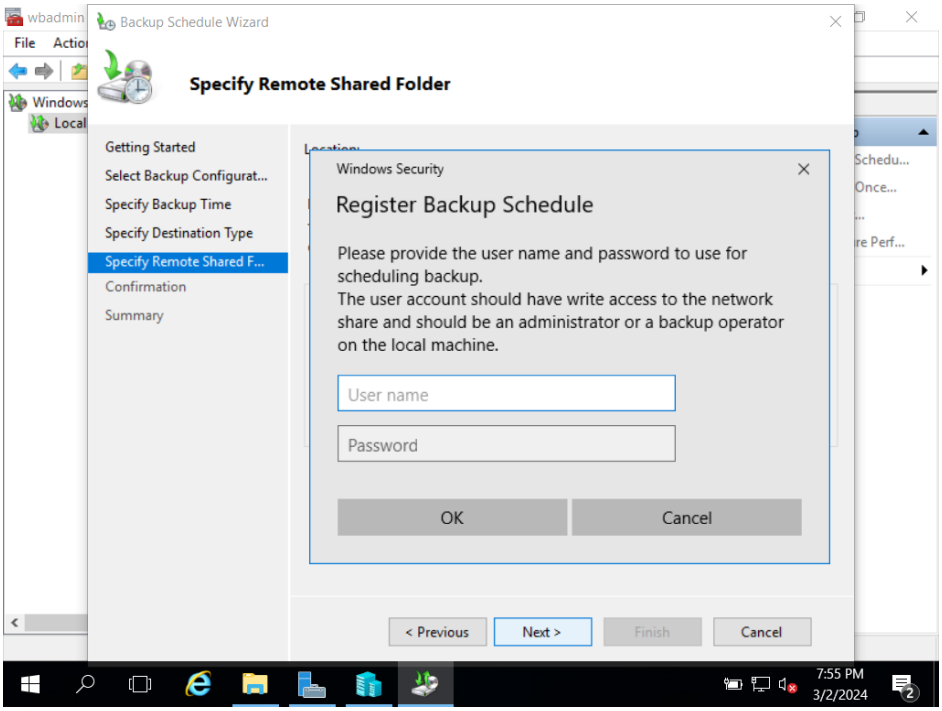
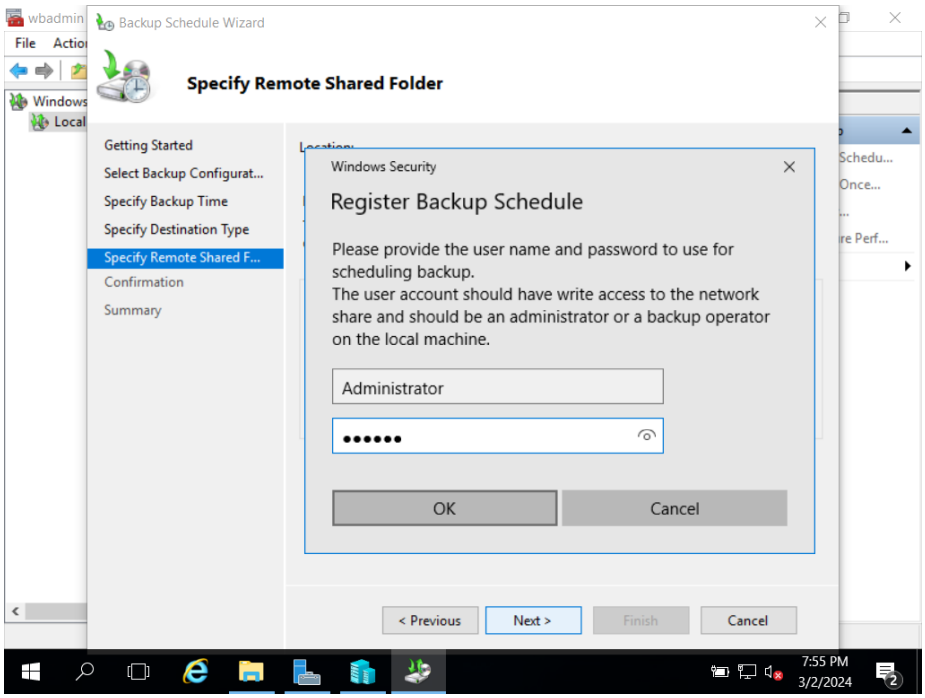

Backup Schedule Wizard
Specify Remote Shared Folder
Getting Started
Select Backup Configurat...
Specify Backup Time
Specify Destination Type
Specify Remote Shared F...
Confirmation
Summary
Windows Security
Register Backup Schedule
Please provide the user name and password to use for scheduling backup.
The user account should have write access to the network share and should be an administrator or a backup operator on the local machine.
User name
Password
OK
Cancel
< Previous
Next >
Finish
Cancel
7:55 PM
3/2/2024


Backup Schedule Wizard
Specify Remote Shared Folder
Getting Started
Select Backup Configurat...
Specify Backup Time
Specify Destination Type
Specify Remote Shared F...
Confirmation
Summary
Windows Security
Register Backup Schedule
Please provide the user name and password to use for scheduling backup.
The user account should have write access to the network share and should be an administrator or a backup operator on the local machine.
Administrator
OK
Cancel
< Previous
Next >
Finish
Cancel
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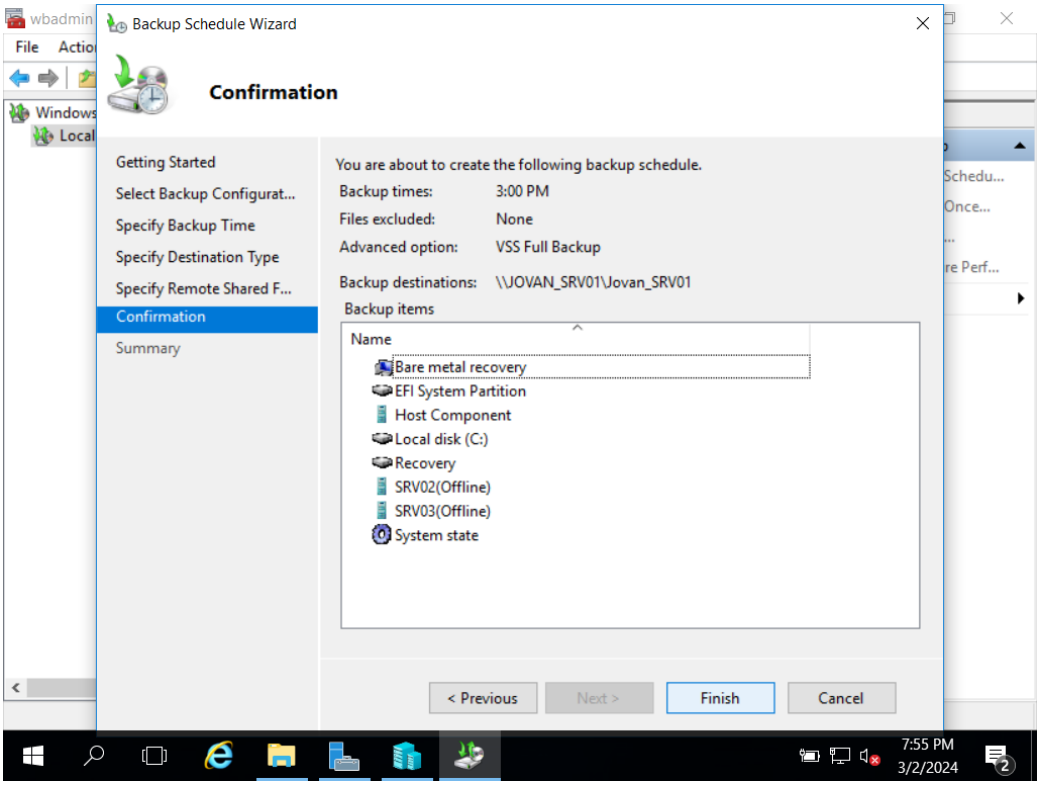
3/2/2024


wbadmin
File Actio
Windows
Local
Backup Schedule Wizard
Confirmation
Getting Started
Select Backup Configurat...
Specify Backup Time
Specify Destination Type
Specify Remote Shared F...
Confirmation
Summary
You are about to create the following backup schedule.
Backup times: 3:00 PM
Files excluded: None
Advanced option: VSS Full Backup
Backup destinations: \\JOVAN_SRV01\Jovan_SRV01
Backup items
Name
Bare metal recovery
EFI System Partition
Host Component
Local disk (C:)
Recovery
SRV02(Offline)
SRV03(Offline)
System state
< Previous
Next >
Finish
Cancel
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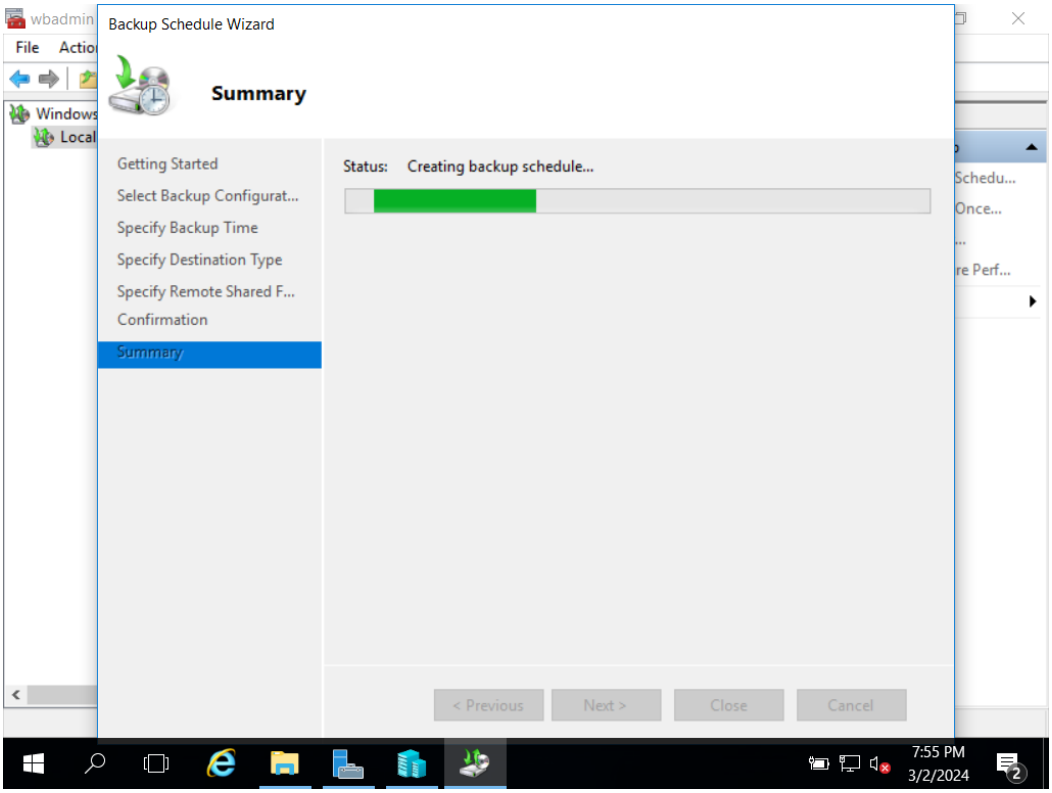
3/2/2024


wbadmin
File Actio
Windows
Local
Backup Schedule Wizard
Summary
Getting Started
Select Backup Configurat...
Specify Backup Time
Specify Destination Type
Specify Remote Shared F...
Confirmation
Summary
Status: Creating backup schedule...
< Previous
Next >
Close
Cancel
7:55 PM
3/2/2024