

Migracija SBS 2003 na Windows Server 2012 R2

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Sadržaj:

- Kratka povijest SBS-a
- Software i hardware zahtjevi prije migracije
- Kratki put migracije s SBS 2003 na SBS 2011 (teorijski)
- Kratki put migracije s SBS 2011 na Server 2012 R2 (demo)
- Demo migracije Mailbox-a
- Ćide i pizza 😊

Povijest SBS-a:

1997

1999

2001

2003

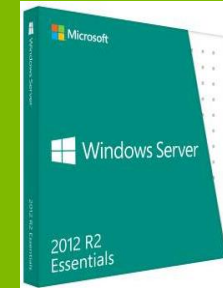
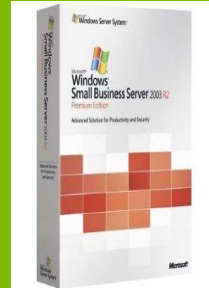
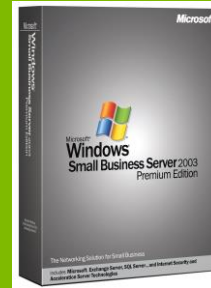
2006

2008

2010

2012

2013



BackOffice Small Business Server 4.0

BackOffice Small Business Server 4.5

Small Business Server 2000

Small Business Server 2003

Small Business Server 2003 R2

Small Business Server 2008

Small Business Server 2011

Windows Server 2012 Essential

Windows Server 2012 R2 Essential

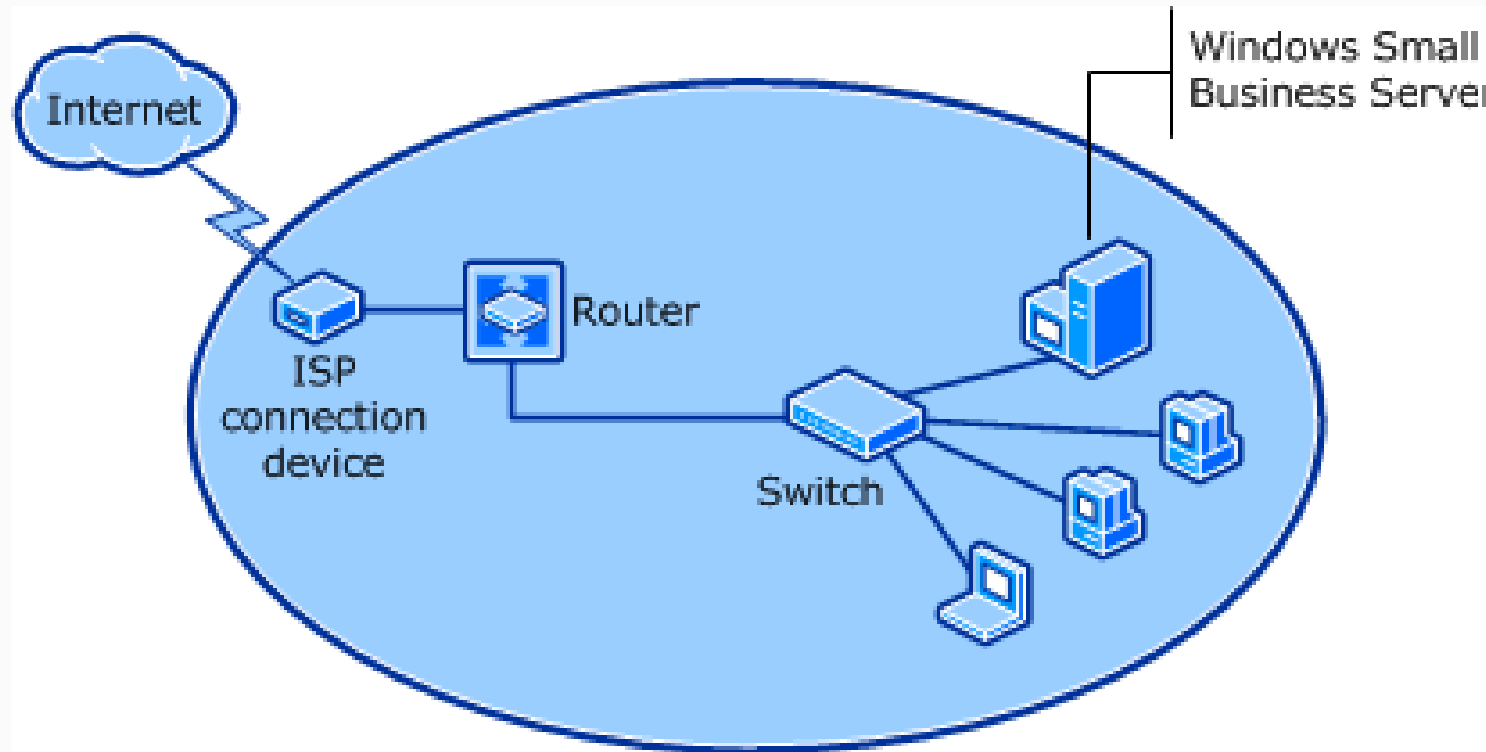
Priprema starog servera za migraciju:

- prvo napraviti **BACK UP !!!**
 - Instalacija zadnjih dostupnih nadogradnji
 - Potrebno određeno vrijeme ne dostupnosti
-
- SBS 2003 SP1
 - SBS 2003 SP2
 - Exchange 2003 SP2
 - Windows SharePoint SP3
 - MS Core XML Services 6.0 SP1
 - MS SQL Server Management Studio Express SP2

Priprema starog servera za migraciju:

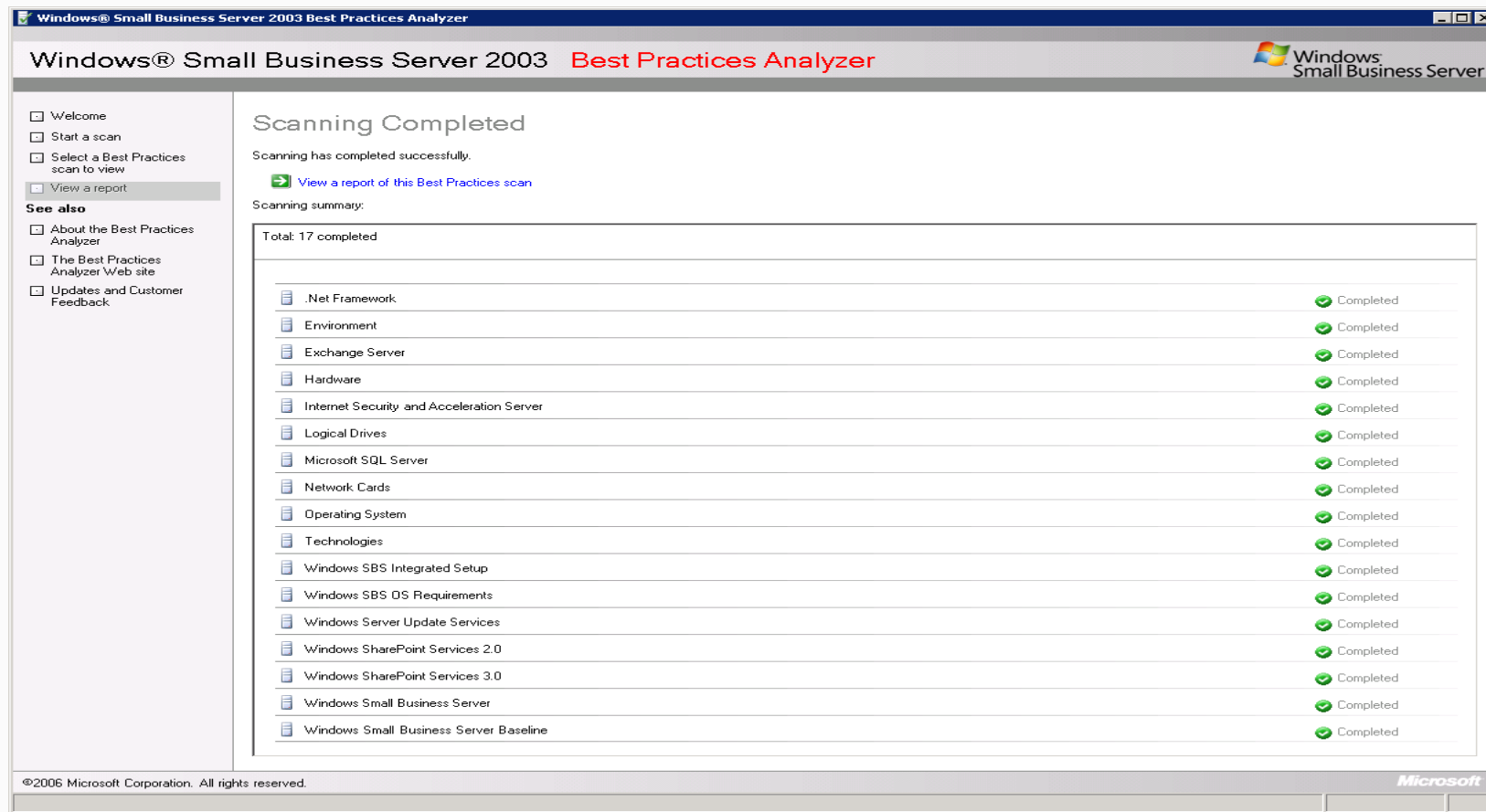
- Napraviti rekonfiguraciju mrežne infrastrukture starog servera (korištenje jednog mrežnog adaptera)
- Isključiti VPN ukoliko je u statusu „running“
- Ukoliko je SBS služio za routing prema broadband-u treba instalirati router

Izgled nove mrežne konfiguracije:



SBS 2003 Best Practice Analyzer:

- Pomoću BPA alata možemo provjeriti „zdravstveno stanje servera“



Critical Issues (3 items)

Print report Export report Find Arrange by: Class

 The DNS client is not configured
The DNS client is not configured to point only to the internal IP address of the server. For detailed instructions about how to configure the DNS client, see the "Configurations" section of the Knowledge Base article "How to configure Internet access in Windows Small Business Server 2003" at <http://go.microsoft.com/fwlink/?LinkId=95289>. Note: If you have another domain controller or DNS server in your domain, it may not be necessary to point the DNS client only to the internal IP address of the server.
 Do not show me this item again for all instances.

 Internet Connection Sharing should be disabled

 Task Offloading is enabled

 DHCP Server Service not set at default Startup Type

 DHCP Server Service not started

 EDNS is enabled

 IIS Admin Service not set at default Startup Type

 Managed recipient policies

 Managed recipient policies

 Microsoft Exchange Management service not at default

 Microsoft Exchange Management Service not started

 Microsoft Outlook 2003 missing

 MSSQL\$SharePoint service not set to start automatically

 MSSQL\$SharePoint service not started

 Outlook Mobile Access is not using .Net Framework version 1.1.4322

 OWA update for Exchange Server is not installed
You should install the Update for Exchange 2003 (KB911829). Doing so will ensure that your Outlook Web Access installation is compatible with Windows Vista. For more information, see the Knowledge Base article "You receive an error message when you try to perform any editing tasks, or you must click to enable the compose frame in Outlook Web Access" at <http://go.microsoft.com/fwlink/?LinkId=77013>.

 Do not show me this item again for all instances.

 Reverse DNS Zone does not allow Secure updates

 SBSMonitoring Agent service not set at default value

 SBSMonitoring instance not at default value

 The installed version of samsrv.dll is not current

Mogućnost
exporta u XML

Optimizacija Exchange MailBox-a:

- Prenijeti korisnicima da očiste „Deleted Items“
- Napraviti Arhiviranje starih mail-ova
- Obavezno napraviti sinkronizaciju vremena s NTP servisom
 - **w32tm /config /syncfromflags:domhier /reliable:no /update**
 - **net stop w32time**
 - **net start w32time**
- **Provjera vremena** na odredišnom serveru, mora biti unutar 5 minuta

Dodatna prava:

- Dodati grupi built-in „Administrators” pravo „logon as batch job” ukoliko nije

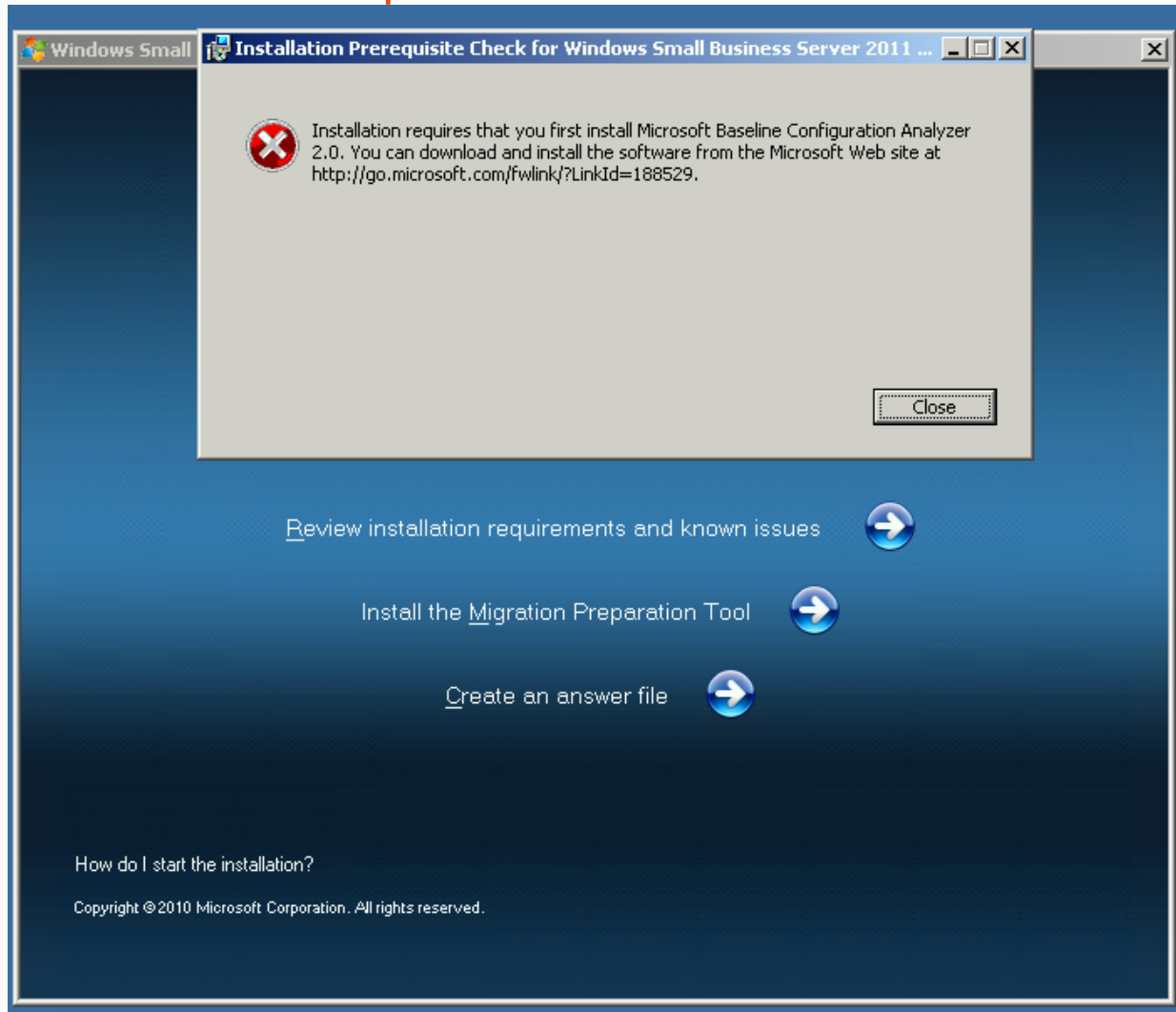
To give the built-in Administrators group the right to log on as a batch job

1. On the Destination Server, click **Start**, click **All Programs**, and then click **Administrative Tools**.
2. In the **Administrative Tools** menu, select **Group Policy Management**.
3. In the **Group Policy Management** Console tree, click **Forest: <ServerName>**, and then click **Domains**.
4. Click the name of your server, expand **Domain Controllers**, right-click **Default Domain Controllers Policy**, and then click **Edit**.
5. In the **Group Policy Management Editor**, click **Default Domain Controllers Policy<ServerName>Policy**, expand **Computer Configuration**, and then click **Policies**.
6. In the **Policies** tree, expand **Windows Setting**, and then click **Security Settings**.
7. In the **Security Settings** tree, expand **Local Policies**, and then click **User Rights Assignment**.
8. In the results pane, scroll to **Log on as Batch Job**, and then click **Log on as a batch job**.
9. In the **Log on as a batch job Properties** dialog box, click **Add User or Group**.
10. In the **Add User or Group** dialog box, click **Browse**.
11. In the **Select Users, Computers, or Groups** dialog box, type **Administrators**.
12. Click **Check Names** to verify that the built-in Administrators group appears, and then click **OK** three times.

gpupdate /force

Pokretanje SBS 2011 Migration Prep Tool:

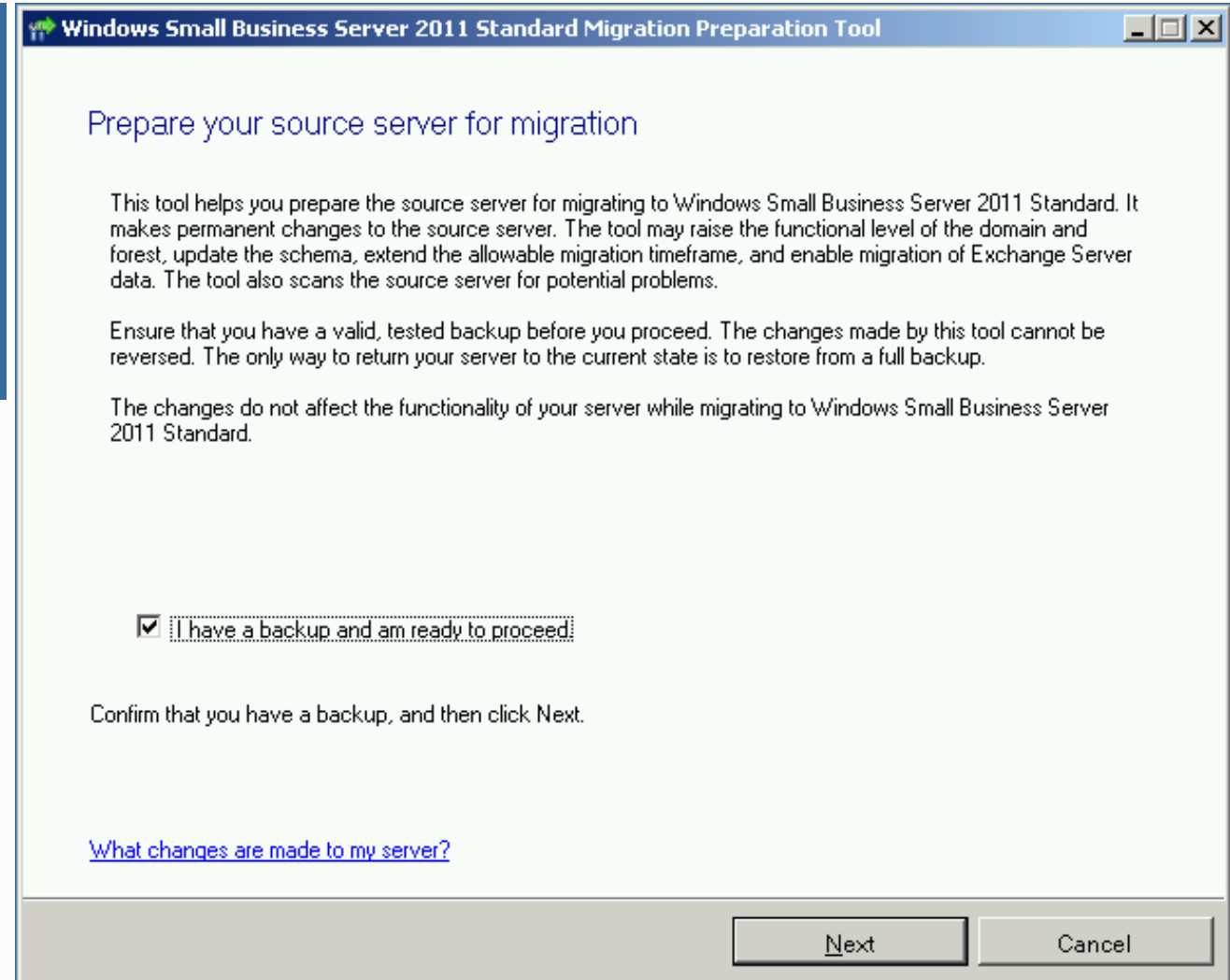
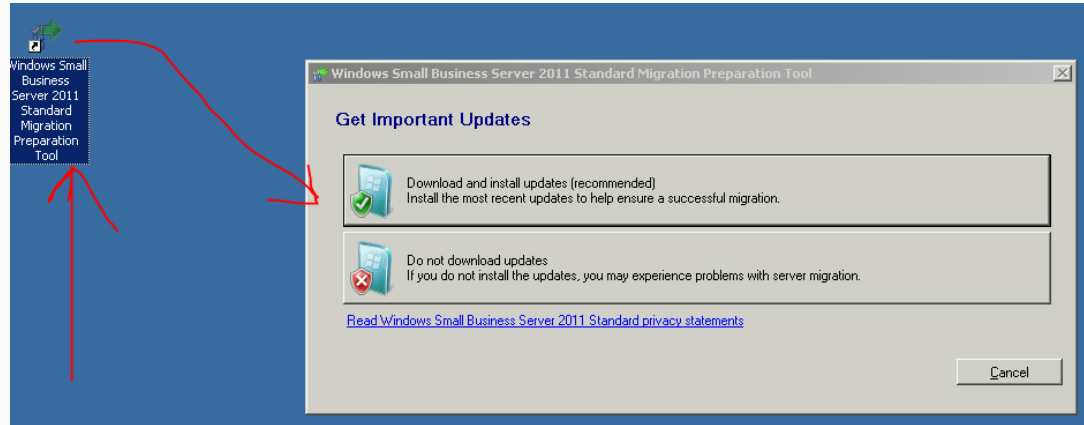
- Pokrenuti setup.exe s SBS 2011 ISO ili DVD na SBS 2003

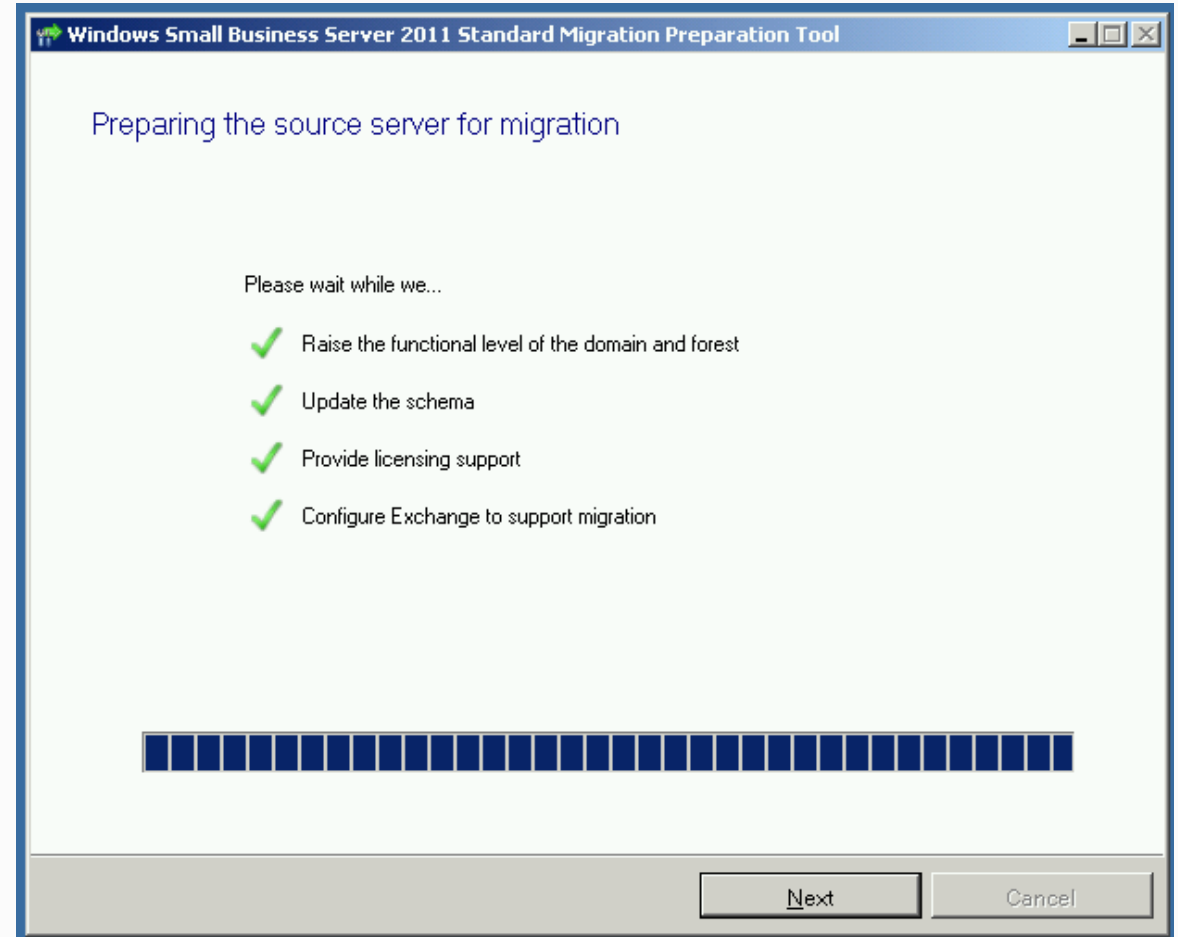
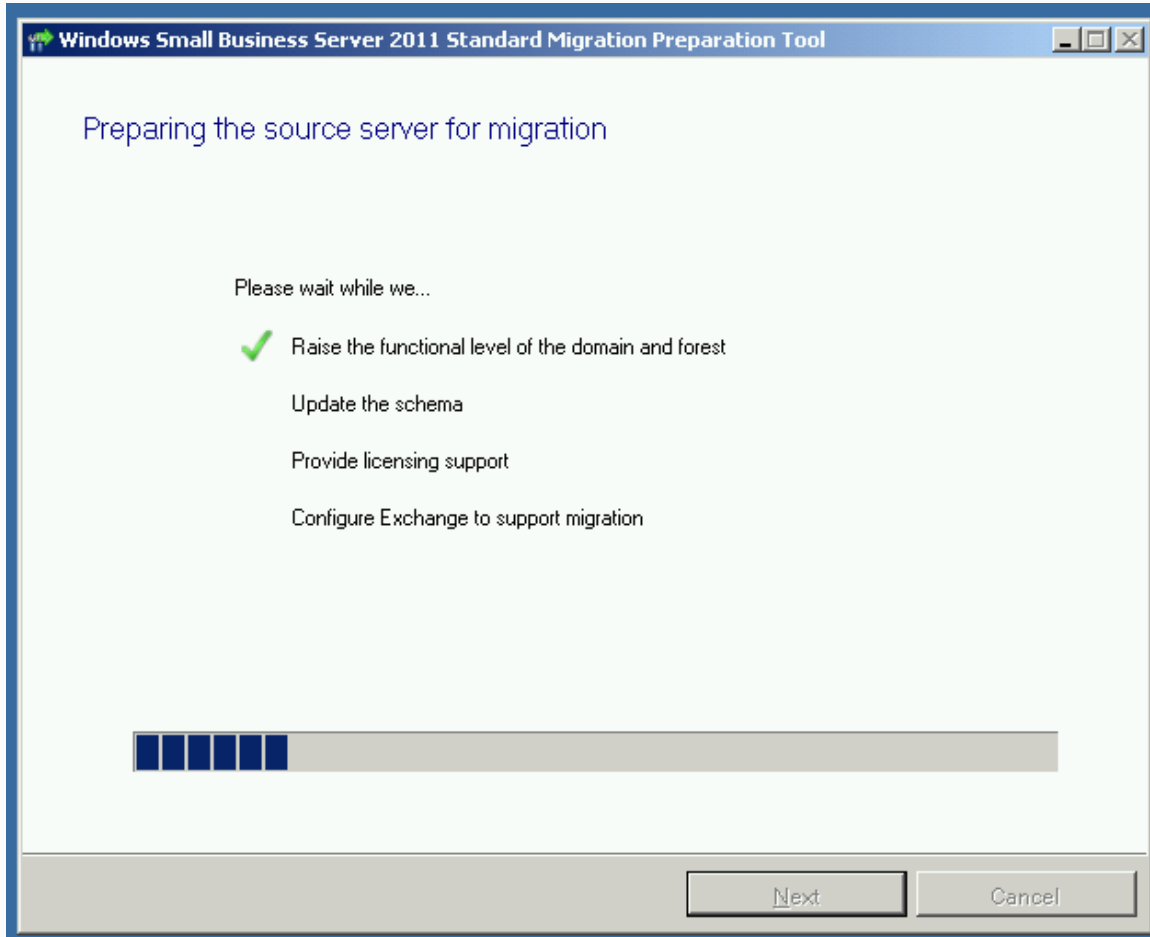


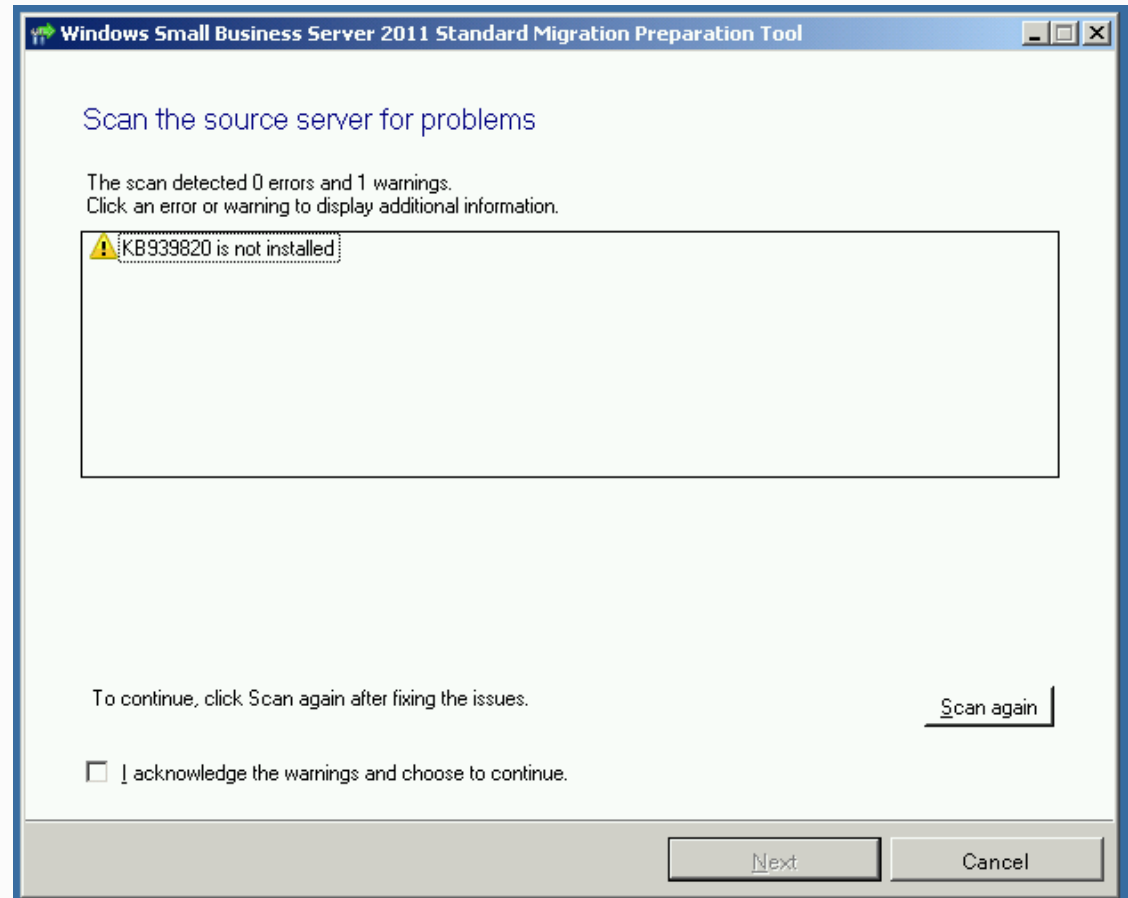
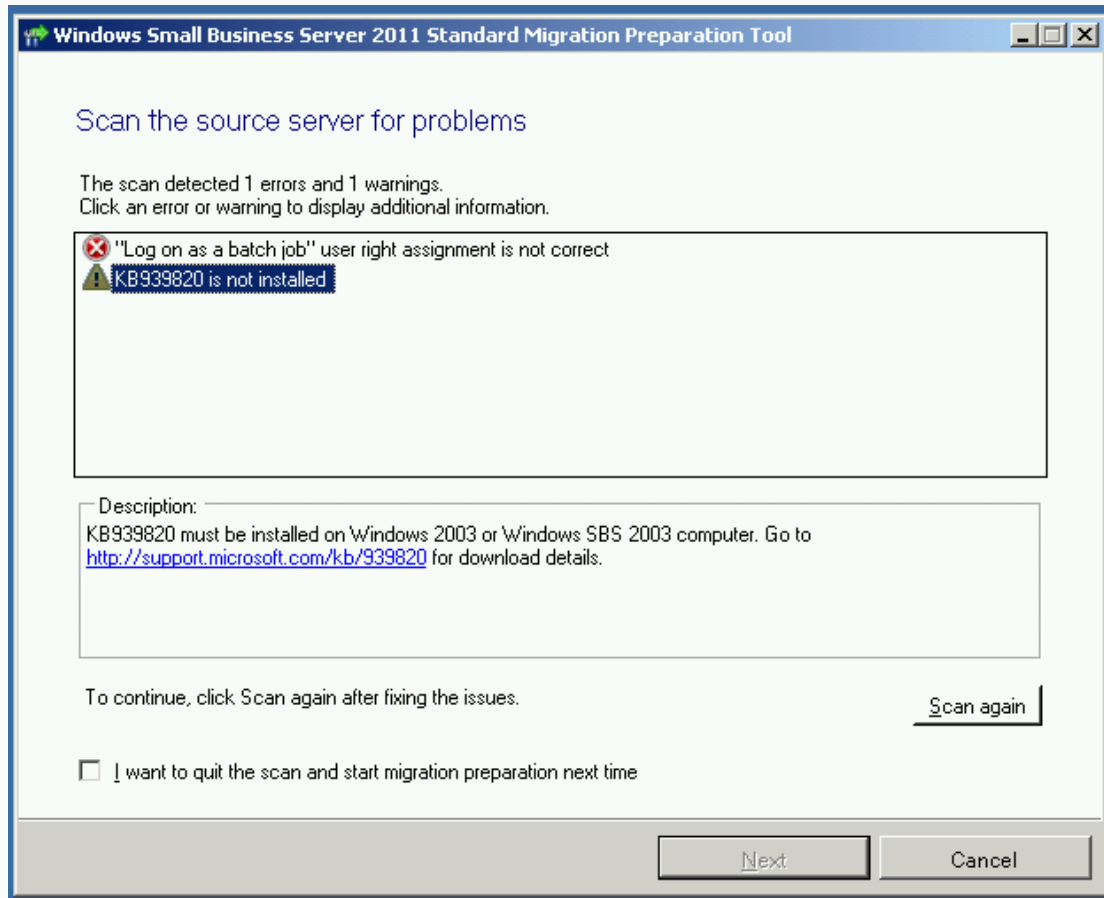
- MS Baseline Configuration Analyzer 2.0

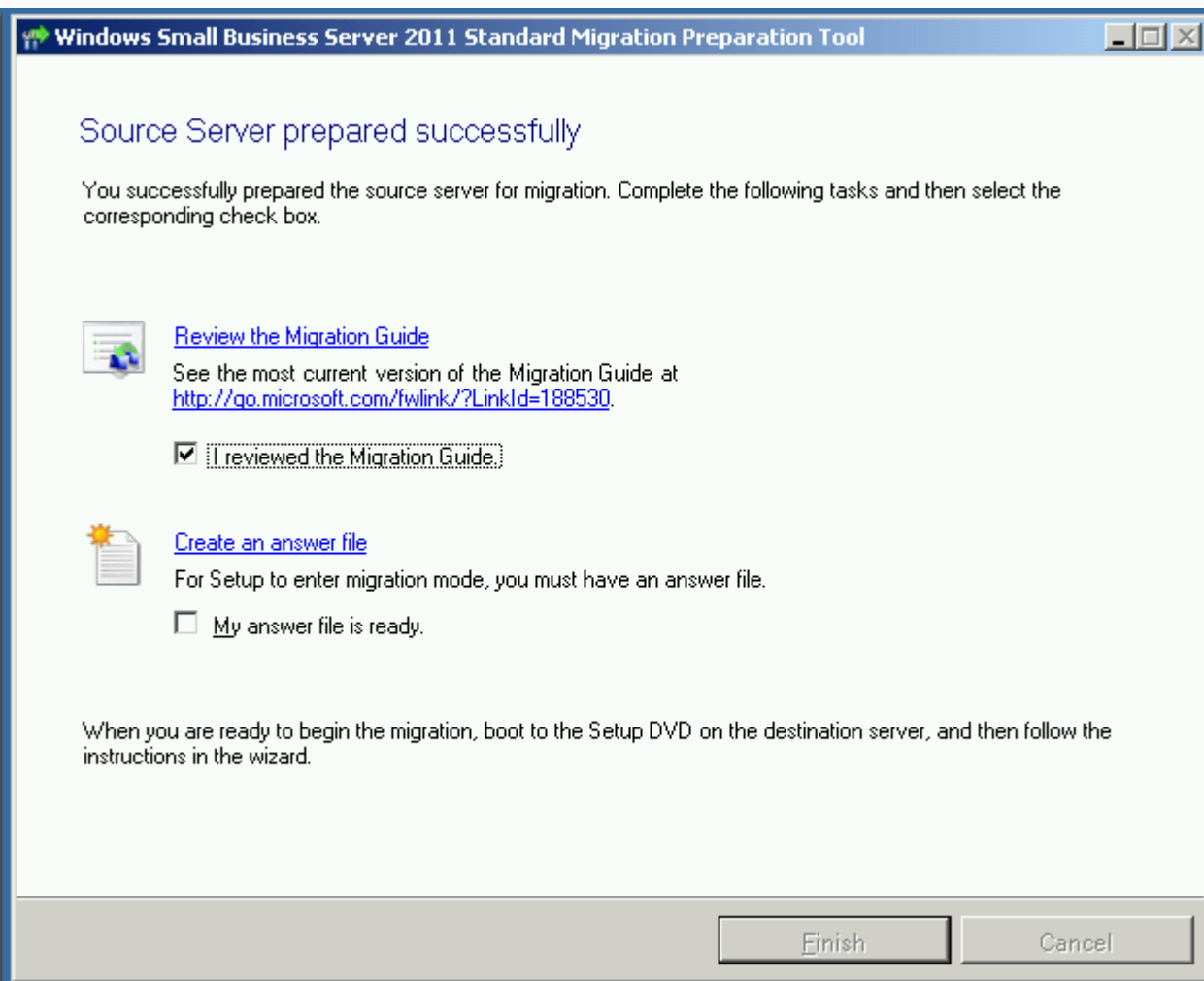
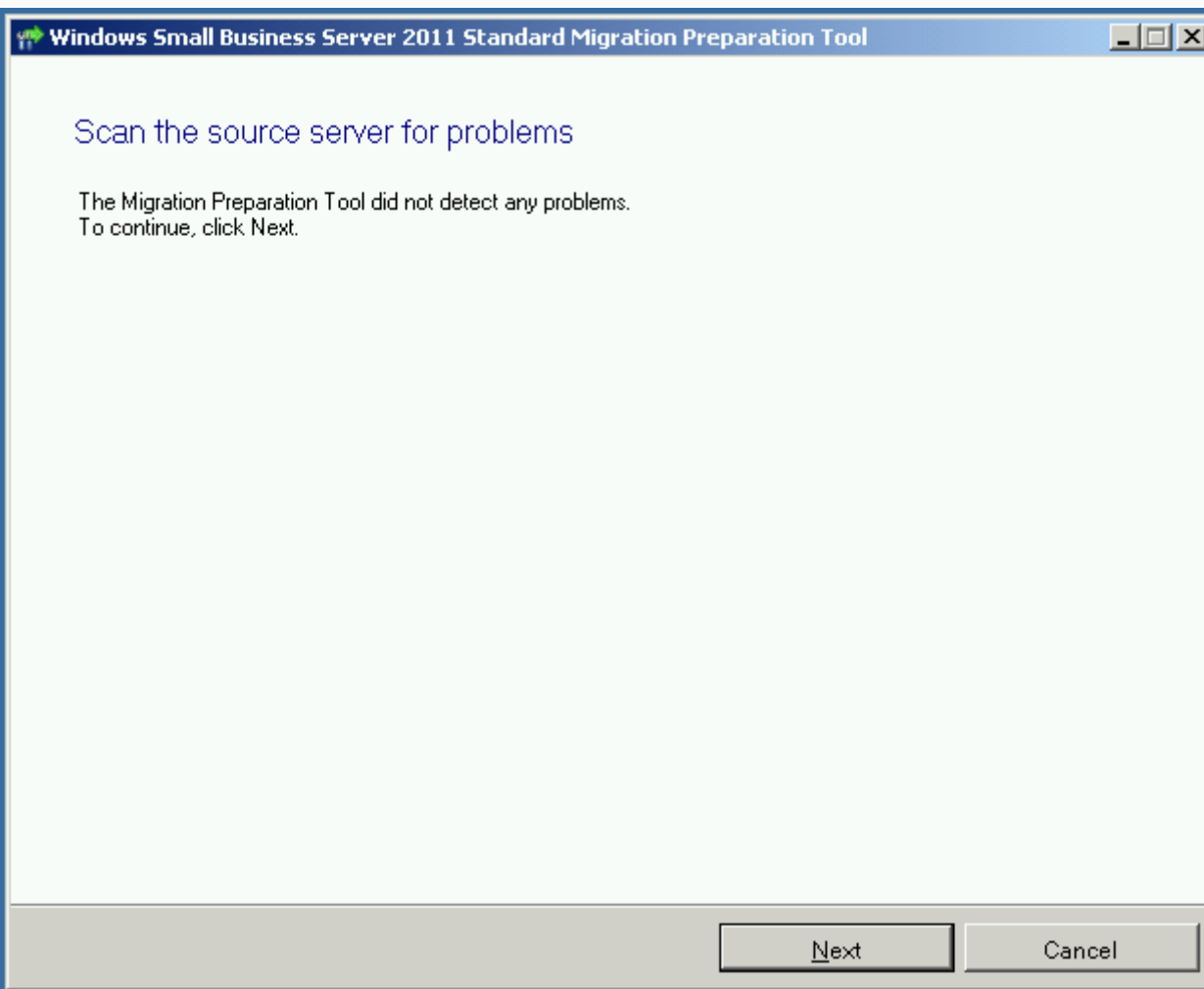
- Migration Preparation Tools

Pokretanje MS SBS 2011 Migr Prep Tool:









Izrada „answer filea” za install SBS 2011:

Windows Small Business Server 2011 Standard Answer File Tool

Installation type

☐ New installation

☒ Migration from existing server (Join existing domain)

Installation settings

☒ Get installation updates

☒ Run unattended

Clock and time zone settings

☐ Manually set the clock and the time zone for the server

☒ Use the following time zone:

(GMT+01:00) Sarajevo, Skopje, Warsaw, Zagreb

NOTES

- You cannot set the system clock automatically by using an Answer File. Before you start the installation on the server, ensure that the clock on the server's BIOS is set to the correct time.
- If you select the option to set the clock and time zone manually, then you will be prompted to set the clock during unattended installations.

Company information

Business name	City	
Bull d.o.o.	Zagreb	
Street address 1	State / Province	
Koturaska 69	Grad Zagreb	
Street address 2	Zip / Postal code	Country / Region
	10000	Croatia

Source (existing) server information

Domain administrator account name	Source domain name
administrator	itpro.hr
Password	Default gateway
fikus123.	172.16.90.254
Source Server name	Source Server IP address
SRV01	172.16.90.1

☒ DHCP is running on the Source Server

Destination (new) server information

Destination Server name	Destination Server IP address
SRV02	172.16.90.2

[How do I use an answer file?](#)

Print Open **Save As** Cancel

Instalacija 2011 SBS-a:

Install Windows Small Business Server 2011 Standard

Source and Destination Server information

Type information about your Source Server and source domain.

Source Server name

SRV01

Domain administrator user account name

administrator

Full DNS name for internal domain

itpro.hr

Password

Type the name of your Destination Server.

Destination Server name

SRV02

Where can I find this information?

Back

Next

Cancel

Cannot find the Source Server

 Verify that the Source Server name is correct, and then try again.

OK

Install Windows Small Business Server 2011 Standard

Source and Destination Server information

Type information about your Source Server and source domain.

Source Server name

SRV01

Domain administrator user account name

administrator

Full DNS name for internal domain

itpro.hr

Password

••••••••

Type the name of your Destination Server.

Destination Server name

SRV02

Where can I find this information?

Back

Next

Cancel

 Microsoft Community

Install Windows Small Business Server 2011 Standard

Connecting your server

Windows SBS is setting up your server on the network and is installing updates, if you chose that option. This may take several minutes.

If you chose to install updates, your server may need to restart.

After this phase of installation finishes, you are prompted for information that is used to finish your server installation.



Cancel

Install Windows Small Business Server 2011 Standard

Expanding and installing files

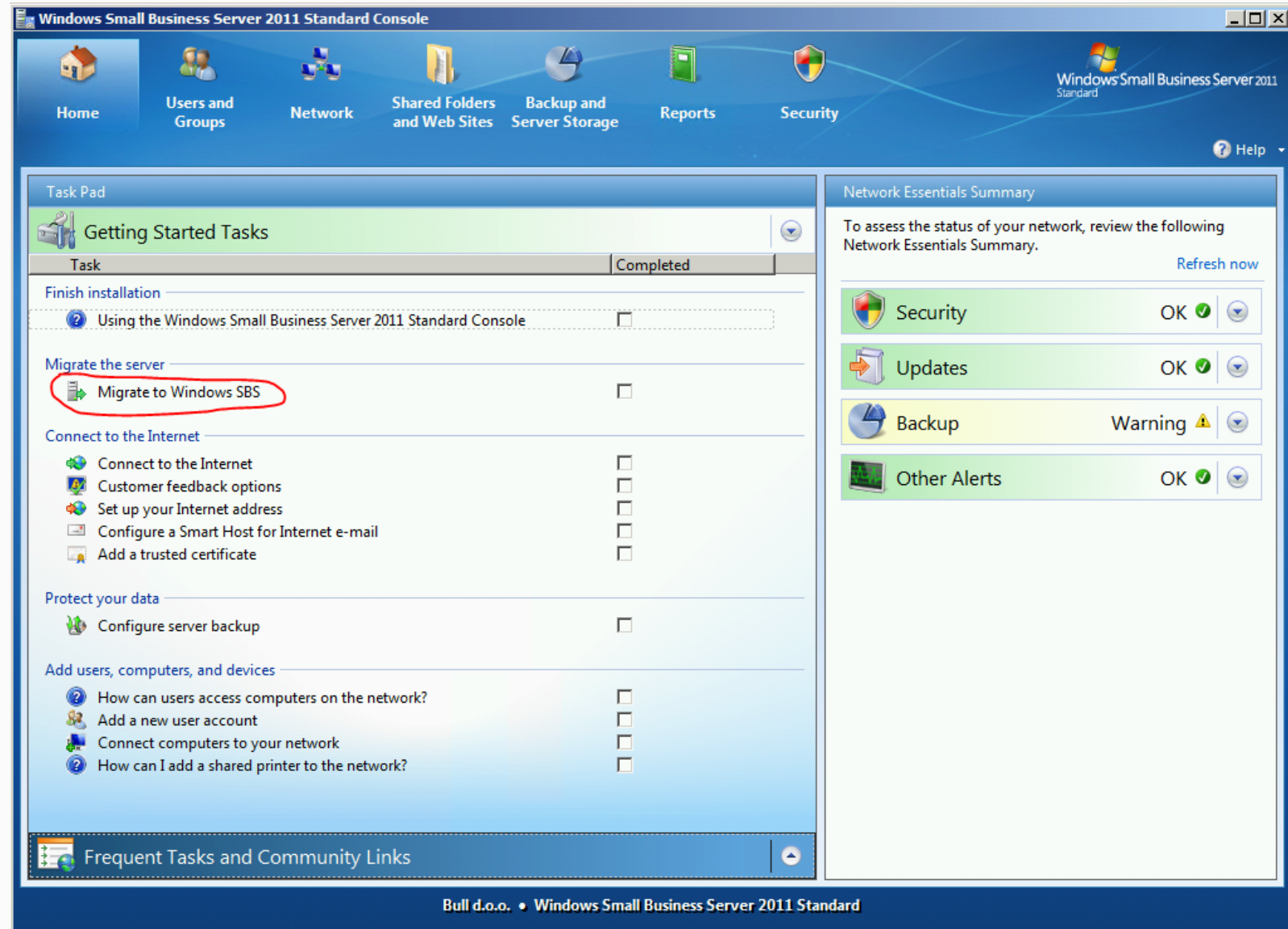
That is all the information needed. This step can take 30 minutes or longer, depending on your hardware and on whether you chose to get updates. Your server may restart several times.



Integrated Management

An integrated administration console helps you work more efficiently and add more value to your business.

Cancel



Migrate to Windows Small Business Server 2011 Standard

Migration Wizard Home

You can view the status of tasks here. After you finish a task, the wizard returns to this page, where you can either begin a new task or Stop the wizard.

Change where to store data on the Destination Server	Not started
Configure the network	Not started
Configure the Internet address	Not started
Migrate network settings	Not started
Migrate Exchange mailboxes and settings	Not started
Remove legacy group policies and logon settings	Not started
Migrate Users' Shared Data	Not started
Migrate SharePoint Web site	Not started
Migrate Fax Data	Not started

Description:

 You must finish the migration within 21 days of beginning the installation. After 21 days, the Source Server shuts down, and it continues to shut down after about an hour each time you restart it.

If you click Next, the next unfinished task in the list starts.

Next Cancel

Migrate to Windows Small Business Server 2011 Standard

Change where to store data on the Destination Server

Before you migrate your data to the Destination Server, you can change where you want to store the data.

Skip this step if you want to migrate the data to the default locations on the Destination Server.

To change where you want to store the migrated data, click the links below. Each link starts the appropriate wizard to choose the storage location for each application.

[Change the Exchange Server data location](#)

[Change the Microsoft SharePoint Foundation data location](#)

[Change the users' shared data location](#)

[Change the users' Redirected Documents data location](#)

[Change the Windows Update Repository data location](#)

☒ Task in progress

☐ Task complete

☐ Skip task

[Tell me more about managing storage of server data](#)

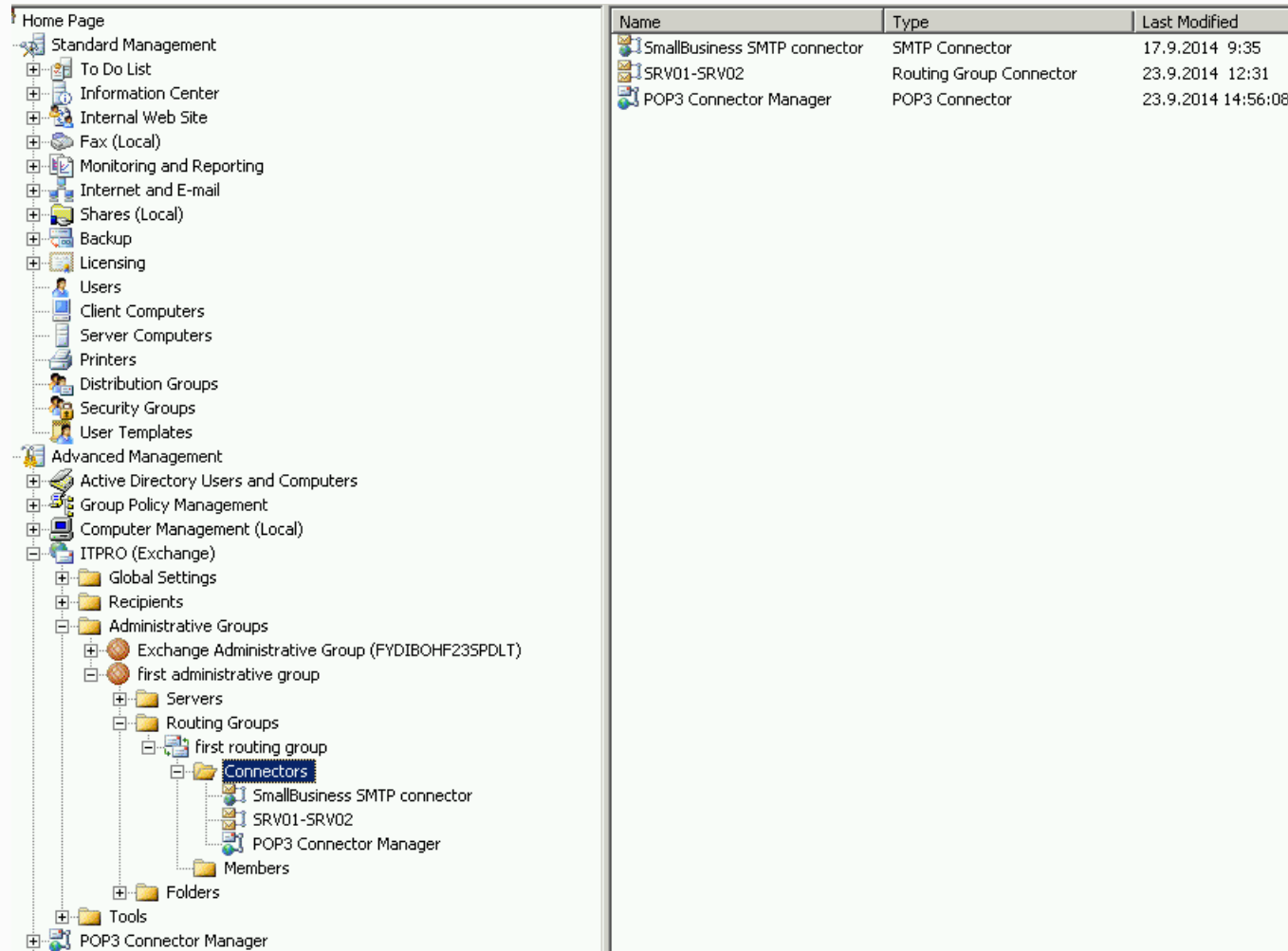
Back Next Cancel

Migracija Exchangea na SBS 2011:

- Preporučeni redoslijed migracije
- Obavezno prije migracije treba proći Internet **Address Managment Wizard**
 - Obrisati sve „Internet konektore“
 - Napraviti prebacivanje POP3 konektora (opcionalno)
 - Prebaciti Exchange Server Public Folder-e
 - Prebaciti OAB (Offline Address Book)
 - Prebaciti Server Mailbox-e

Brisanje „Internet konektor-a“:

- Nakon ovog koraka privremeno nema primanja mailova

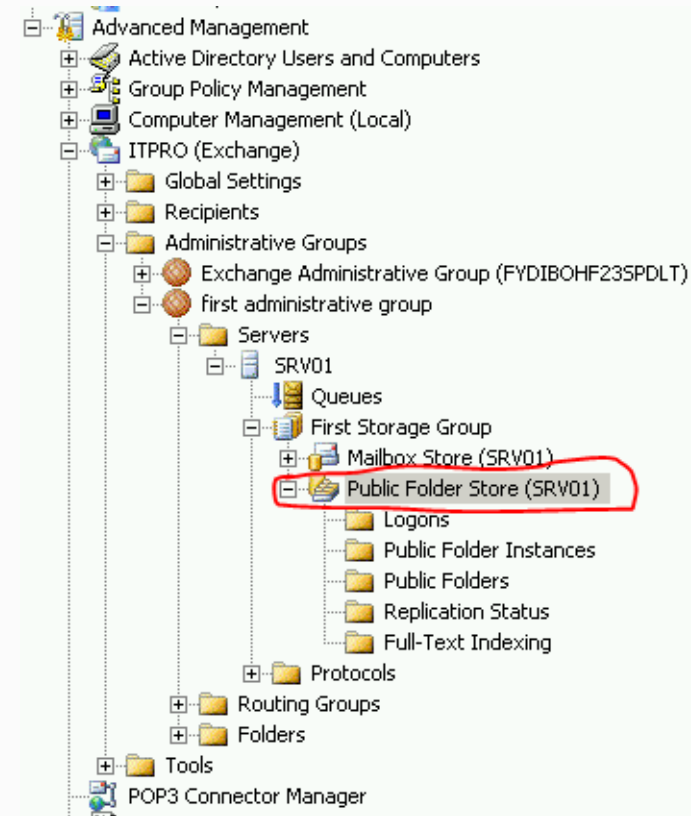


The screenshot displays the Microsoft Exchange Management Console (EMC) interface. On the left, the 'Home Page' navigation pane is expanded to show the 'Connectors' folder under the 'ITPRO (Exchange)' section. The right pane shows a list of connectors with the following details:

Name	Type	Last Modified
SmallBusiness SMTP connector	SMTP Connector	17.9.2014 9:35
SRV01-SRV02	Routing Group Connector	23.9.2014 12:31
POP3 Connector Manager	POP3 Connector	23.9.2014 14:56:08

Exchange Server Public Folders:

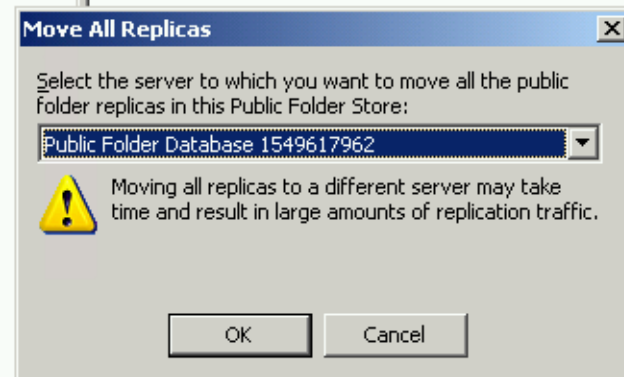
Desnom tipkom miša na PFStore -> Move All Replicas



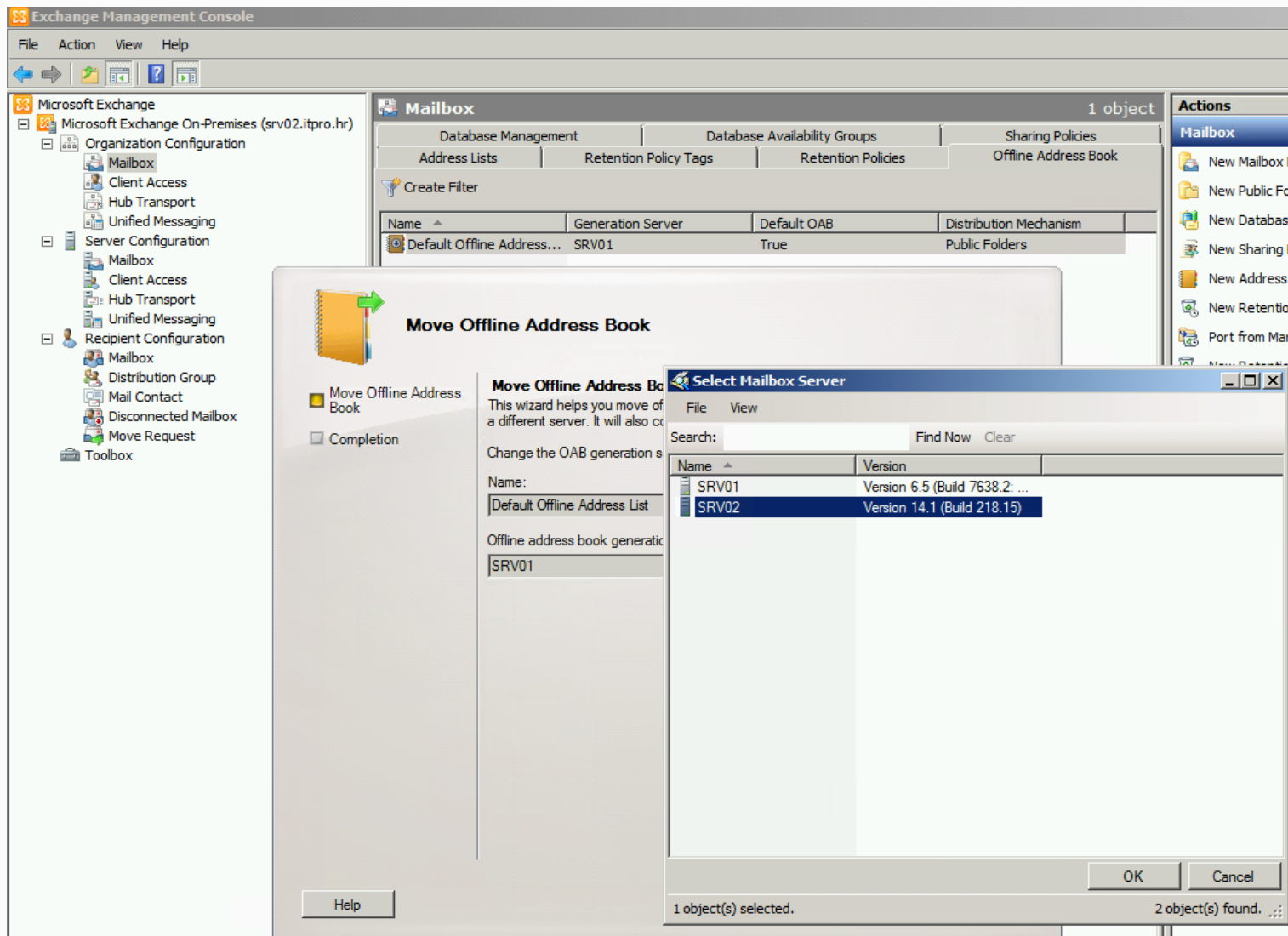
```
Mark Machine: SRV02.ITPRO.hr
[PS] C:\Windows\system32>Get-PublicFolderDatabase -Server srv02 ! Format-wide

Public Folder Database 1549617962

[PS] C:\Windows\system32>
```

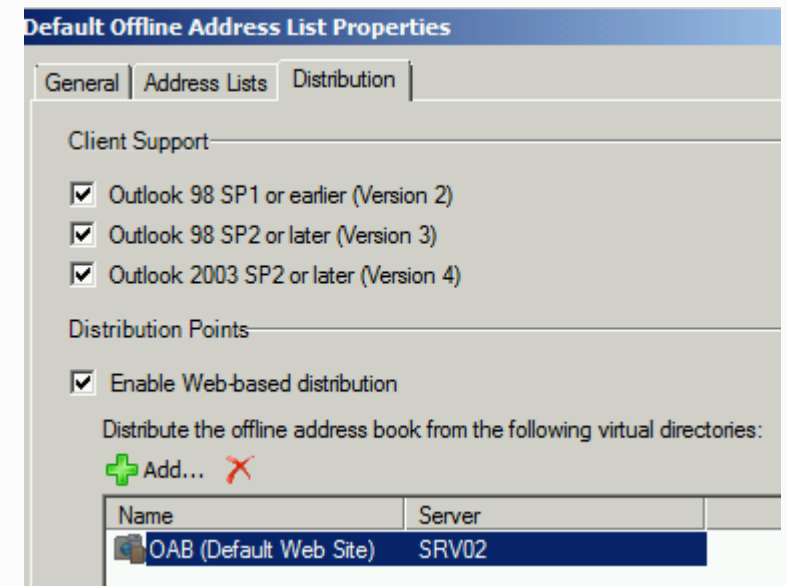


Exchange Server OAB:

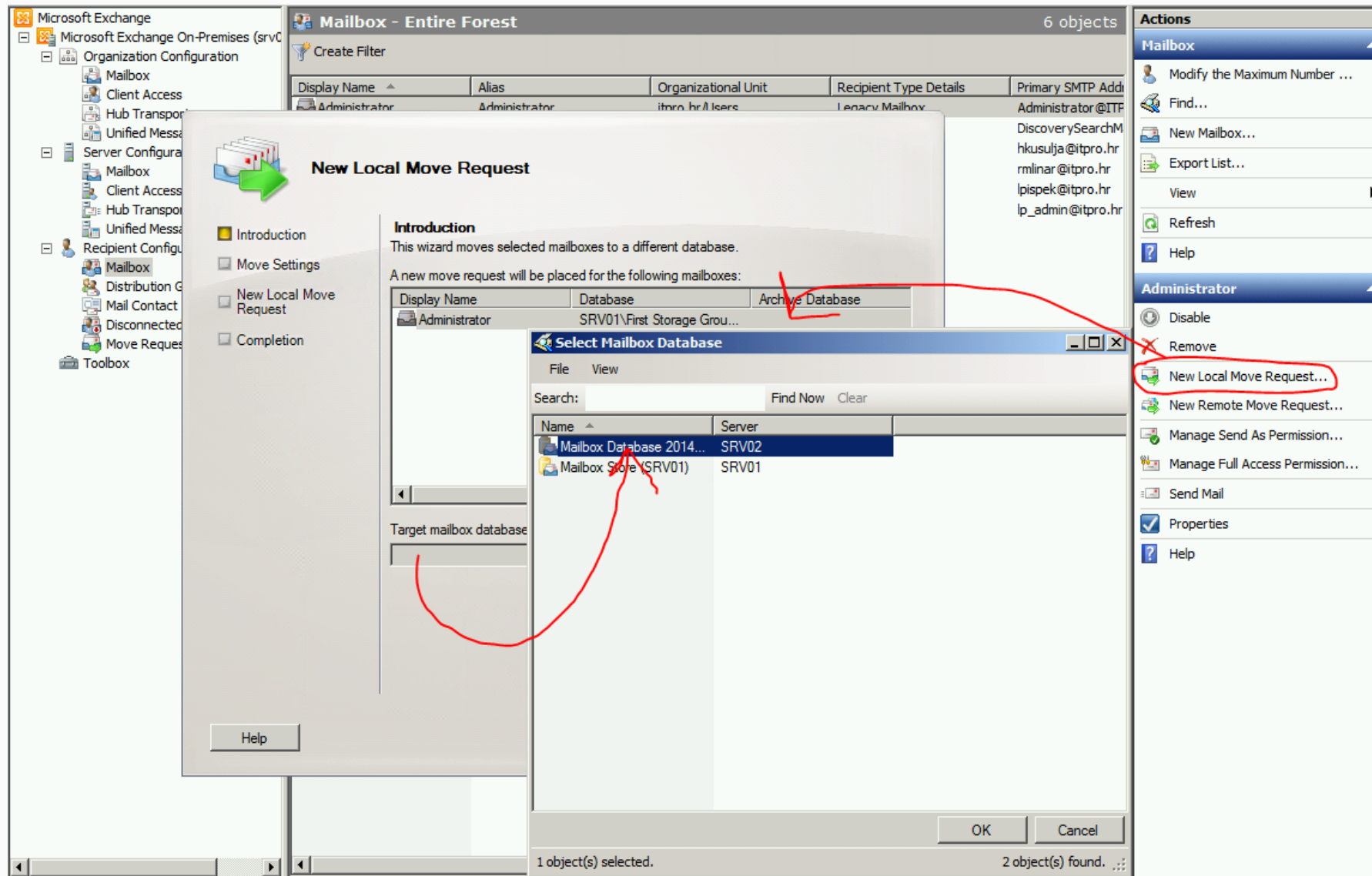


PowerShell:

Exchange Management Shell command completed:
`move-OfflineAddressBook -Identity "Default Offline Address List" -Server 'SRV02'`



Exchange Server 2003 Mailbox:

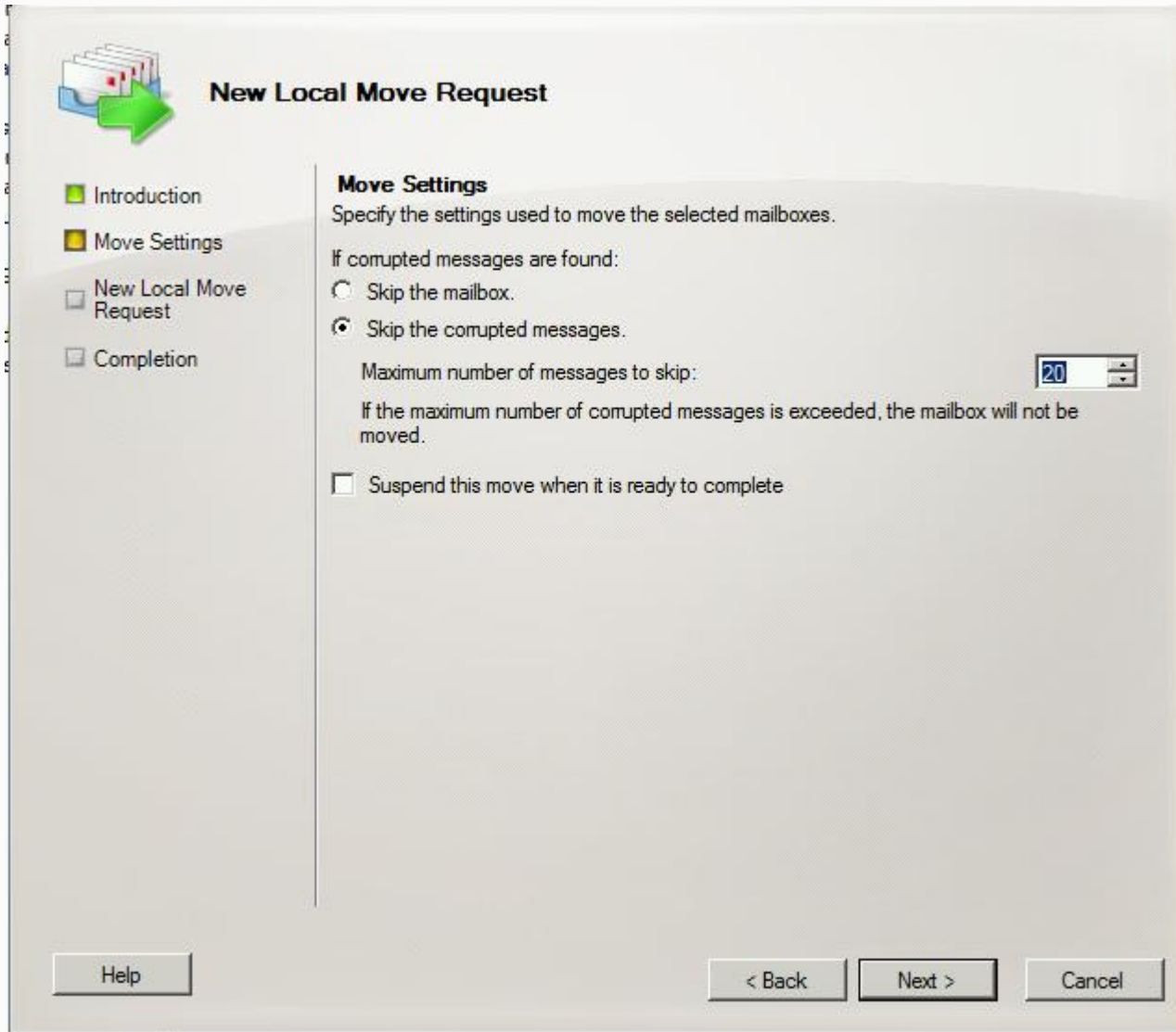


Napraviti ovaj korak za svaki "Legacy Mailbox", pokretanje migracije.

Nakon migracije postaje "User Mailbox"

Exchange Server 2003 Mailbox:

Preporuka:



New Local Move Request

Introduction
Move Settings
New Local Move Request
Completion

Move Settings
Specify the settings used to move the selected mailboxes.

If corrupted messages are found:

- ☐ Skip the mailbox.
- ☒ Skip the corrupted messages.

Maximum number of messages to skip:

If the maximum number of corrupted messages is exceeded, the mailbox will not be moved.

☐ Suspend this move when it is ready to complete

Help < Back Next > Cancel

Odabrati opciju „Skip the corrupted messages” i upisati vrijednost količine poruka koje se mogu preskočiti. U slučaju prekida migracije treba ponoviti „wizard”, ako onda ne prode obrisati stari mailbox prije deinstalacije Exch 2003.

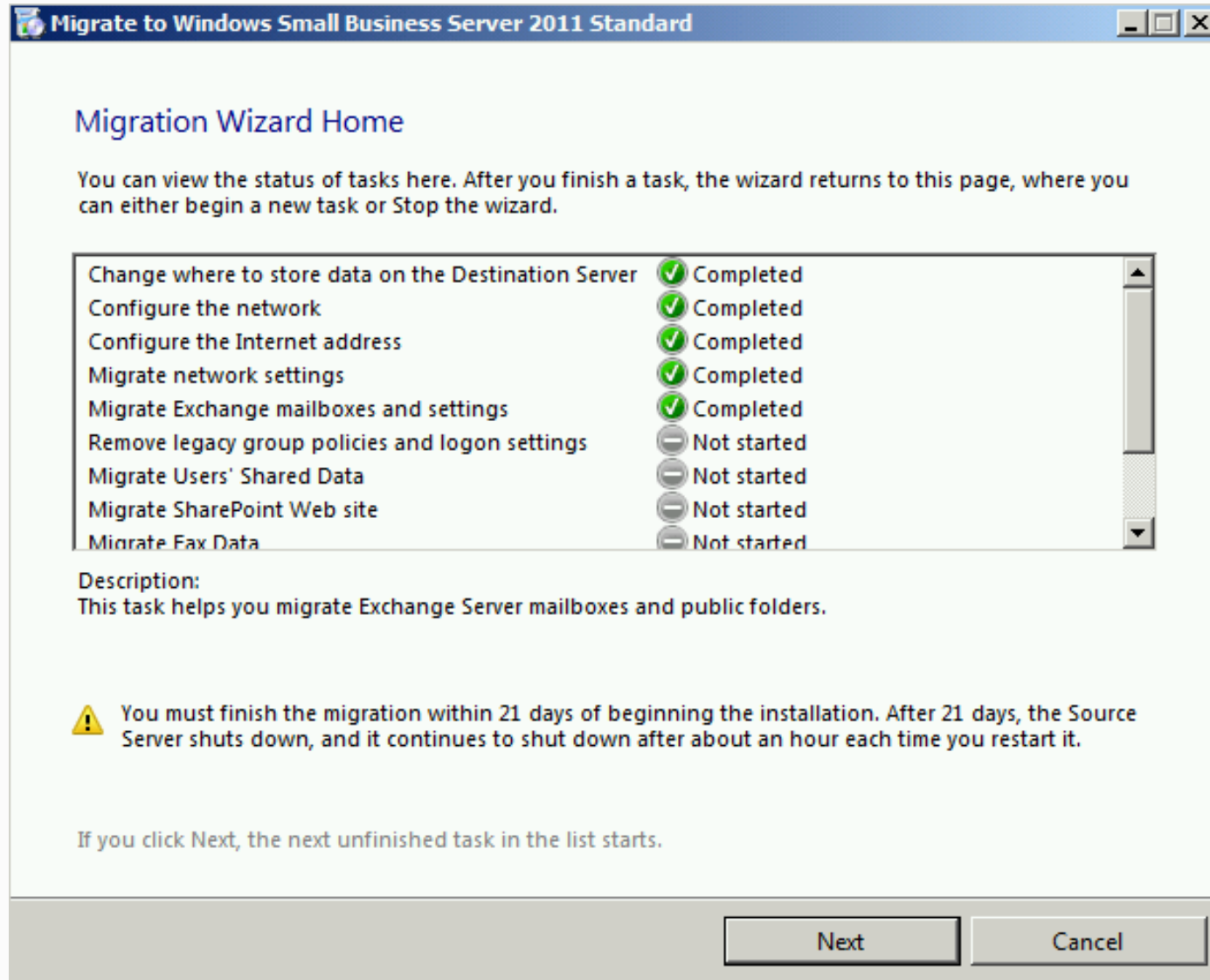
Exchange Server 2010 Mailbox:

The screenshot shows the Microsoft Exchange Management Console interface. On the left is the navigation pane with categories like Organization Configuration, Server Configuration, and Recipient Configuration. The 'Move Request' task pane is active, displaying a table with 5 objects. The table has columns for Display Name, Alias, Move Request Status, and Move Request Type. All five requests are marked as 'Completed'. On the right, the 'Actions' pane shows 'Clear Move Request' as an available action, which is circled in red. A red arrow points from this action to a confirmation dialog box titled 'Clear Move Request' that is open in the center of the screen. The dialog box contains a warning icon and the text 'Are you sure you want to clear these 5 move requests?' with 'Yes' and 'No' buttons.

Display Name	Alias	Move Request Status	Move Request Type
Administrator	Administrator	Completed	Local
Hrvoje Kusulja	hkusulja	Completed	Local
Romeo Minar	rmlinar	Completed	Local
Zeljko Lav Pispek	lpispek	Completed	Local
Zeljko Pispek	lp_admin	Completed	Local

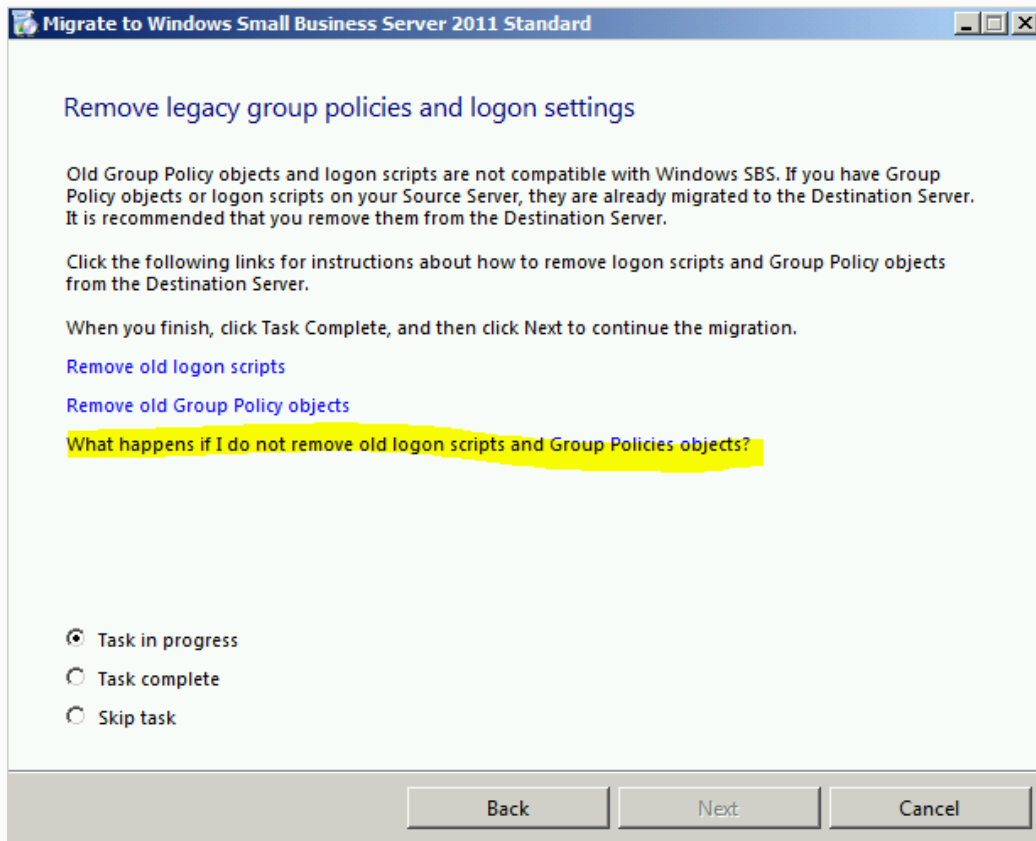
Za sve "Request
statuse" koji su
"Completed"
možemo ih
obrisati.

Remove legacy group policy and logon settings:



Nakon uspješne migracije Mailbox vraćamo se na SBS migration wizard putem kojeg brišemo dodatne BAT skripte koje koristi SBS 2003 za korisnike.

Remove legacy group policy and logon settings:



Navedeni korak je potreban iz razloga sto policy sa SBS 2003 ne mogu se koristiti na SBS 2011 i prilikom logon-a mogu se generirati različite greške kao što je "program compatibility warning".

Remove legacy group policy:

The screenshot displays the Group Policy Management console for the domain ITPRO.hr. The left pane shows the hierarchy: Active Directory Users and Computers > Group Policy Management > Forest: ITPRO.hr > Domains > ITPRO.hr > Group Policy Objects. The right pane, titled 'Group Policy Objects in ITPRO.hr', shows a list of policies. The 'Small Business Server' policies are highlighted with a red box, indicating they are the legacy policies to be removed.

Name	GPO Status	WMI Filter	Modified	Owner
Default Domain Controllers Policy	Enabled	None	23.9.2014 12:43:46	Domain Admins
Default Domain Policy	Enabled	None	23.9.2014 9:29:00	Domain Admins
Small Business Server Client Computer	Enabled	None	17.9.2014 9:04:44	Domain Admins
Small Business Server Domain Password Policy	Enabled	None	17.9.2014 9:35:30	Domain Admins
Small Business Server Internet Connection Firewall	Enabled	PreSP2	17.9.2014 9:04:44	Domain Admins
Small Business Server Lockout Policy	User configuration setti...	None	16.9.2014 18:54:28	Domain Admins
Small Business Server Remote Assistance Policy	User configuration setti...	None	16.9.2014 18:54:28	Domain Admins
Small Business Server Windows Firewall	Enabled	PostSP2	17.9.2014 9:04:44	Domain Admins
Update Services Client Computers Policy	Enabled	None	23.9.2014 13:18:30	Domain Admins
Update Services Common Settings Policy	Enabled	None	23.9.2014 13:18:30	Domain Admins
Update Services Server Computers Policy	Enabled	None	23.9.2014 13:25:16	Domain Admins
Windows SBS Client - Windows 7 and Windows...	Enabled	Windows SBS Client ...	23.9.2014 12:38:24	Domain Admins
Windows SBS Client - Windows XP Policy	Enabled	Windows SBS Client ...	23.9.2014 12:38:24	Domain Admins
Windows SBS Client Policy	Enabled	None	23.9.2014 13:21:20	Domain Admins
Windows SBS CSE Policy	Enabled	Windows SBS Client	23.9.2014 13:21:20	Domain Admins
Windows SBS User Policy	Enabled	Windows SBS Client	23.9.2014 13:21:20	Domain Admins

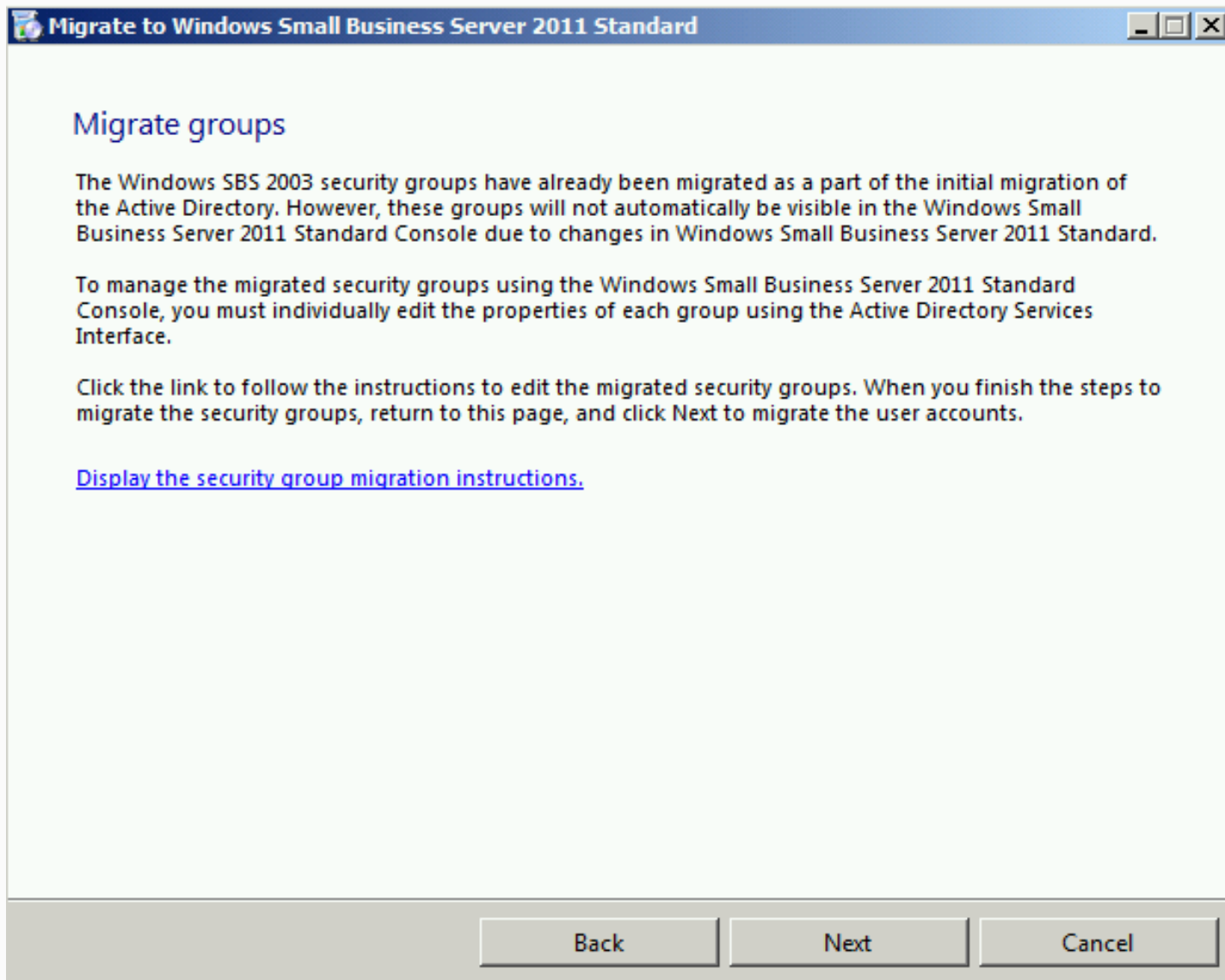
Popis legacy GPO:

- Small Business Server Client Computer
- Small Business Server Domain Password Policy
- Small Business Server Internet Connection Firewall
- Small Business Server Lockout Policy
- Small Business Server Remote Assistance Policy
- Small Business Server Windows Firewall
- Small Business Server Windows Vista Policy
- Small Business Server Update services Client Computer Policy
- Small Business Server Update Services Common Settings Policy
- Small Business Server Update Services Server Computer Policy

Migrate Users shared data:

- Copy users shared folders
 - **robocopy** \\<SourceServerName>\Users \\<DestinationServerName>\UserShare /E /COPY:DATSOU /R:10 /LOG:C:\Copyresults.txt
- Copy additional shared folders
 - **robocopy** \\<SourceServerName>\<ShareName>\<disk>:\<FolderName> /E /R:10 /COPY:DATSOU /LOG:C:\Copyresults.txt
- Create shared folders and restore permissions
 - \HKLM\SYSTEM\CurrentControlSet\Services\LanmanServer\Shares
 - \HKLM\SYSTEM\CurrentControlSet\Services\LanmanServer\Shares\Security

Migrate groups:



Detaljna uputa
u Notes

Migrate users:

Change a User Role

Select new user role

The user role that you select is applied to the users you choose on the next page of this wizard. You can also choose to replace or add to permissions or settings for the users.

Choose user role

Role Name
Network Administrator
Standard User
Standard User with administration lin

Standard User
Has access to shared folders, printers, faxes, e-mail, Remote Web Access, Microsoft SharePoint Foundation, and the Internet.

☐ Replace user permissions or settings
☐ Add user permissions or settings

Next Cancel

Change a User Role

Select user accounts

Choose the users whose role you want to change.

All user accounts

Name	User role
Zeljko Pisppek	This user role no I
STS Worker	This user role no I
SharePoint Farm ...	This user role no I
SharePoint Searc...	This user role no I
Windows SBS In...	This user role no I

Add >>
<< Remove

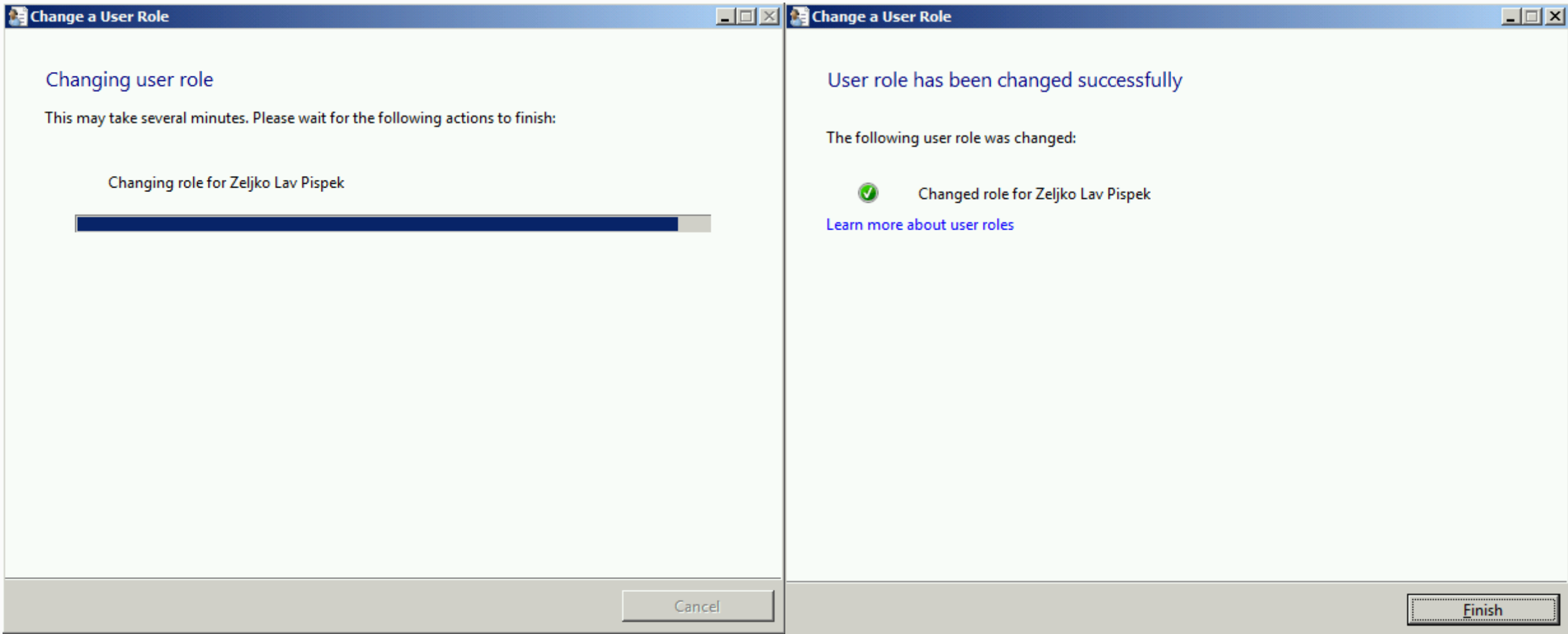
Change user role for:

Name	User role
Zeljko Lav Pisppek	This user role no I
Hrvoje Kusulja	This user role no I
Romeo Mlinar	This user role no I

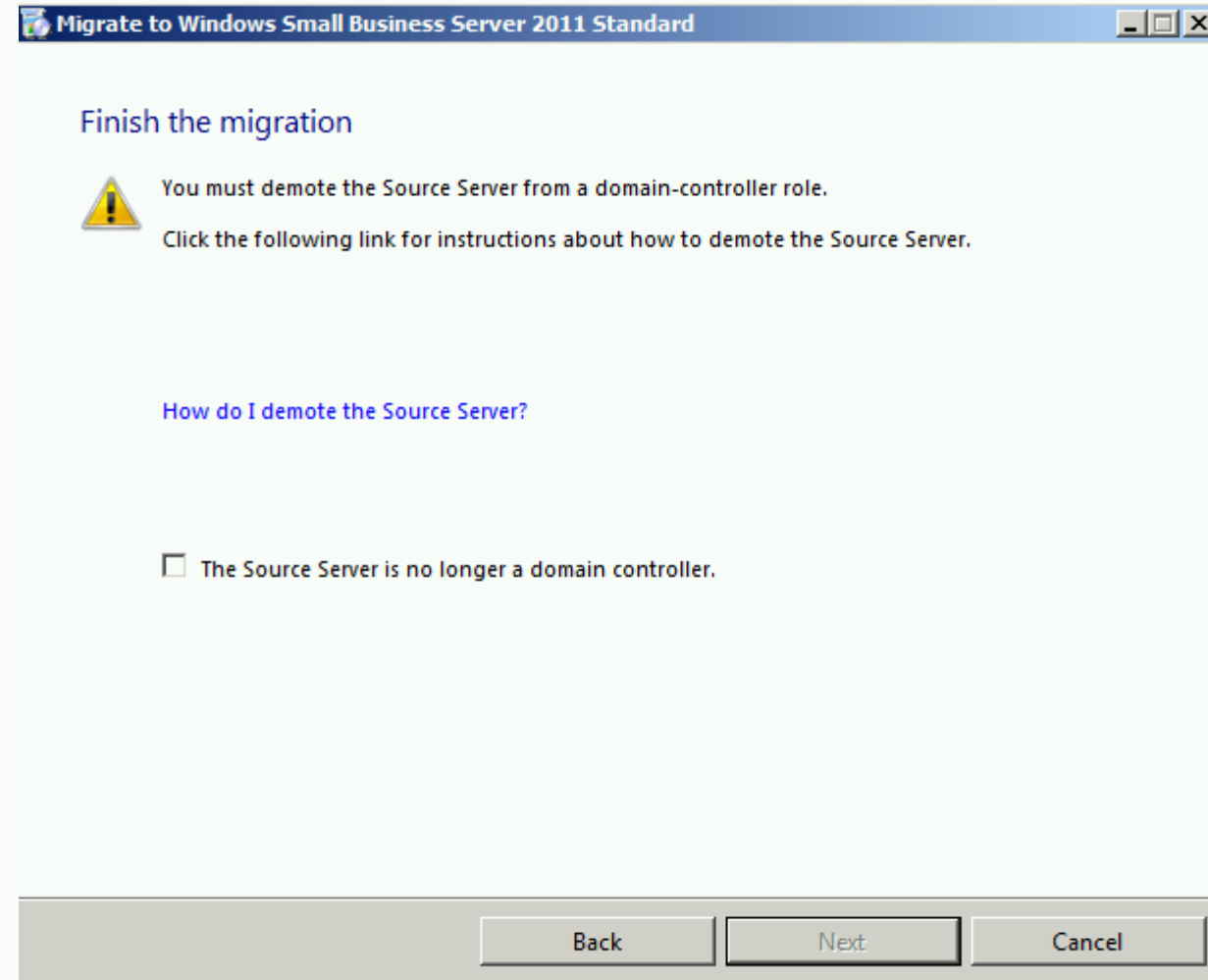
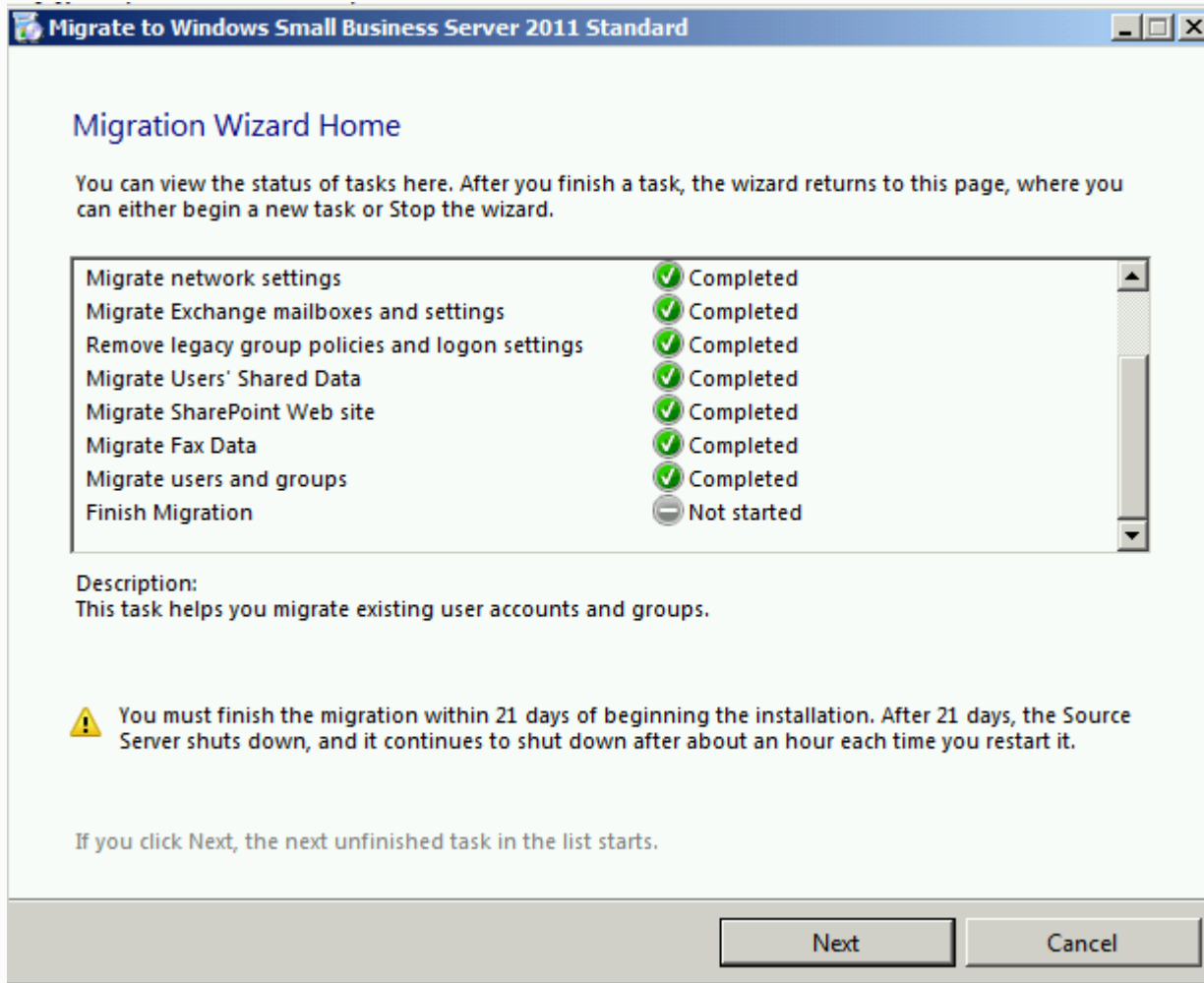
☒ Display all user accounts in the Active Directory

Back Change user role Cancel

Migrate Users:

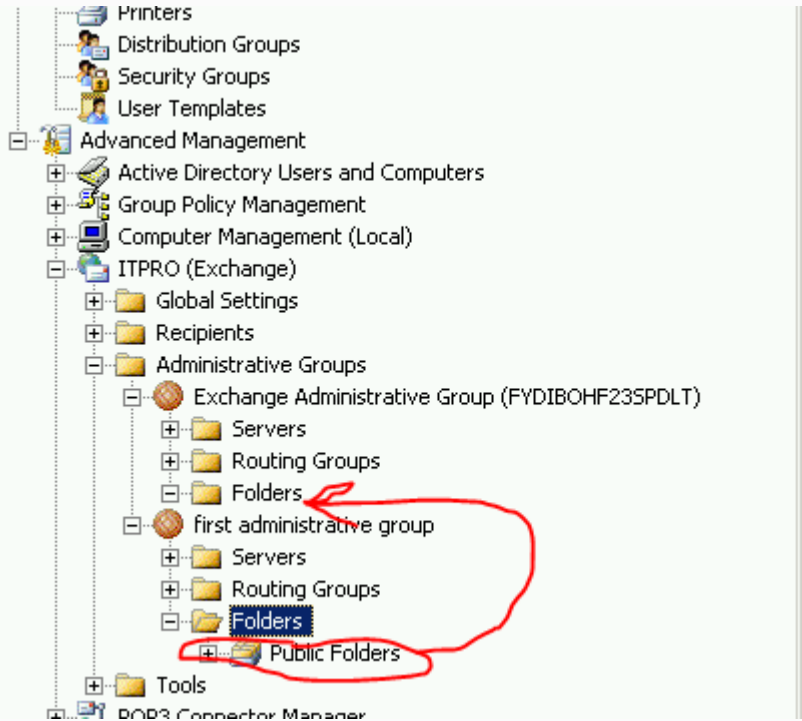


Finish Migration:



Deinstalacija Exchange 2003:

- Potrebno napraviti migraciju strukture „Public Foldera“ na Exchange 2010



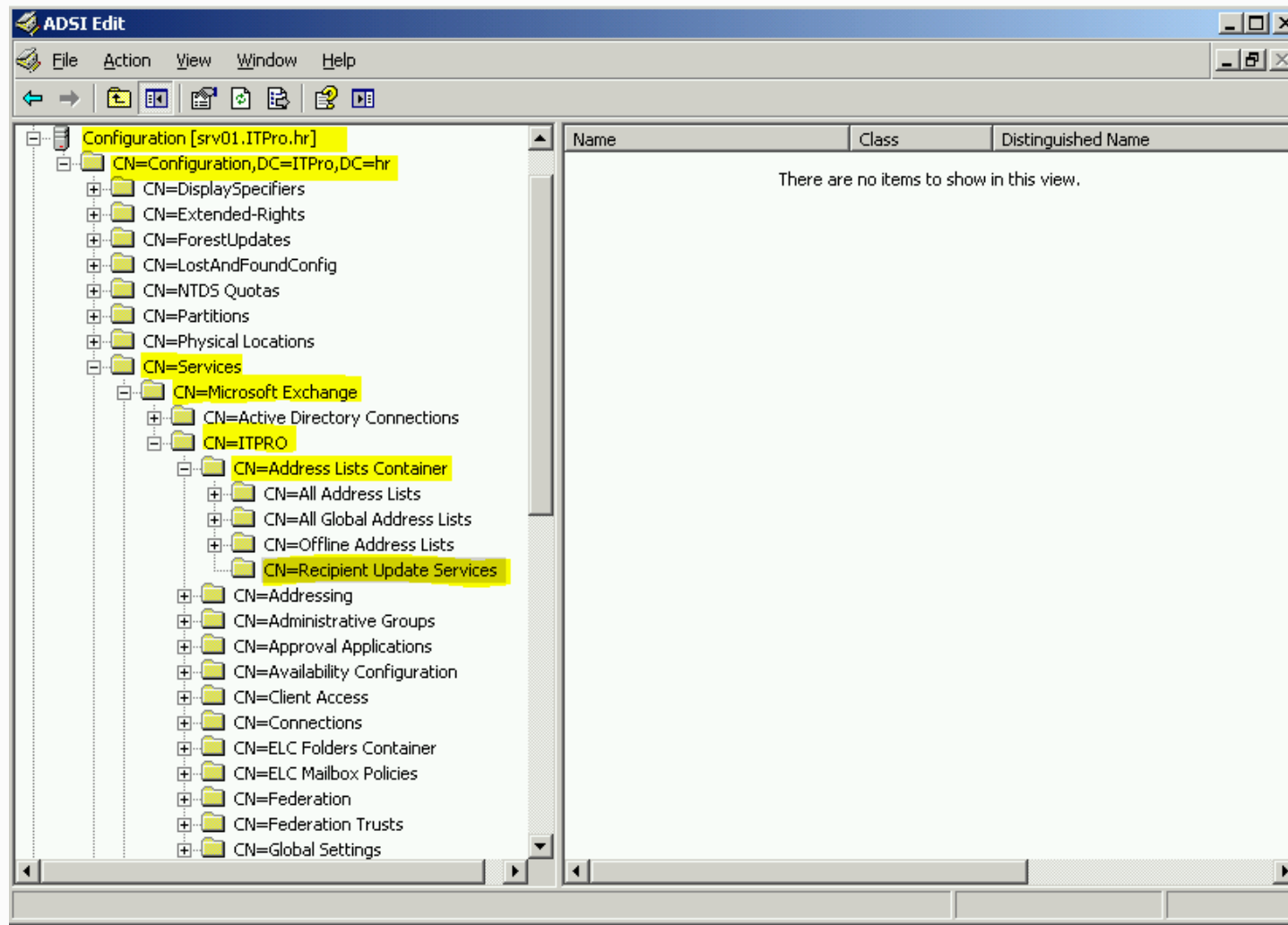
Brisanje „Recipient Update Service“:

Update Service se može obrisati jedino putem ADSI-a:

Configuration > CN=Configuration,CN=<*domain*> > CN=Services >
CN=Microsoft Exchange > CN=<*Exchange organization name*> >
CN=Address Lists Container > CN=Recipient Update Services

In the result pane, right-click **Recipient Update Service (Enterprise Configuration)**, click **Delete**, and then click **Yes** to confirm the deletion

Brisanje „Recipient Update Service“:



Recipient Update Service (Enterprise Configuration)

Remove Routing Group Connector:

```
VERBOSE: Connecting to SRV02.ITPro.hr
VERBOSE: Connected to SRV02.ITPro.hr.
[PS] C:\Windows\system32>Get-RoutingGroupConnector
```

Name	SourceRoutingGroup	TargetRoutingGroup
SRV02-SRV01	Exchange Routing Group (DWBGZMFDD1QNBJR)	first routing group

Kroz PowerShell brišemo RGC prije deinstalacije

```
[PS] C:\Windows\system32>Remove-RoutingGroupConnector -Identity SRV02-SRV01
```

Confirm
Are you sure you want to perform this action?
Removing routing group connector "SRV02-SRV01".
[Y] Yes [A] Yes to All [N] No [L] No to All [?] Help (default is "Y"):
[PS] C:\Windows\system32>

Uninstall Exchange 2003:

▶ To Uninstall Exchange Server 2003 from the Source Server

1. Click **Start**, click **Control Panel**, and then click **Add or Remove Programs**.
2. In the list of programs, select **Windows Small Business Server 2003**, and then click **Change/Remove**.
3. In the Setup Wizard, click **Next** until the **Component Selection** page appears.
4. On the Component Selection page, expand **Exchange Server**, and then choose **Remove**.



Note

Exchange Server will check to make sure that there are no mailboxes or public folders on the server. If any data remains, an error message appears when you click **Remove**. To avoid this issue, make sure that you have completed all of the procedures in Step 1 of this topic.

5. Click **Next**.
6. When prompted, insert Windows Small Business Server 2003 CD#3, and follow the onscreen instructions.

Demote the Source Server:

▶ To demote the Source Server

1. On the Source Server, click **Start**, click **Run**, type **dcpromo**, and then click **OK**.
2. Click **Next** twice.

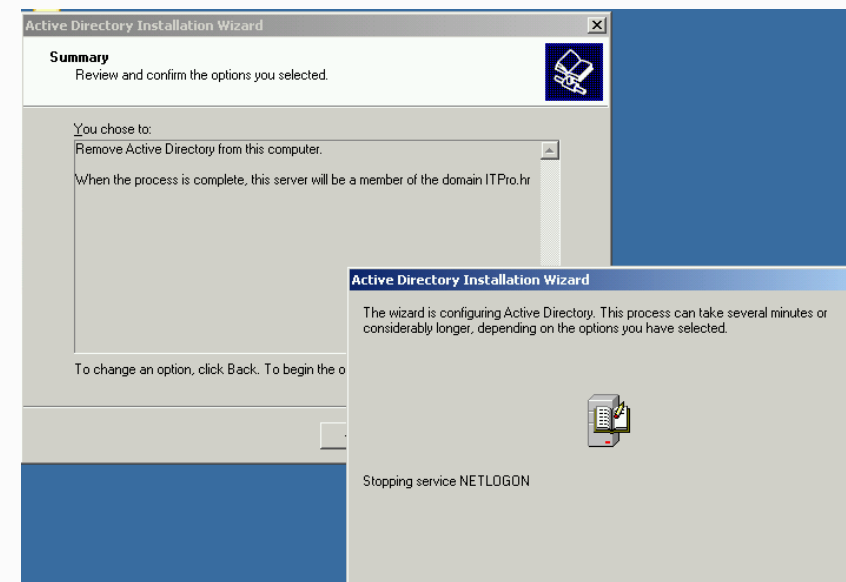


Note

Do not select **This server is the last domain controller in the domain**.

3. In the **Summary** dialog box, you are informed that AD DS will be removed from the computer and that the server will become a member of the domain. Click **Next**.
4. Click **Finish**. The Source Server restarts.
5. After the Source Server restarts, add the Source Server as a member of a workgroup before you disconnect it from the network.

After you add the Source Server as a member of a workgroup and disconnect it from the network, you must remove it from AD DS on the Destination Server.



Priprema SBS 2011 za migraciju:

- prvo napraviti **BACK UP !!!**
 - Instalacija zadnjih dostupnih nadogradnji
 - Potrebno određeno vrijeme ne dostupnosti
-
- SBS 2011 SP1
 - Exchange 2010 SP3 – Obavezna instalacija SP3 zbog dodane podrške za 2013 exchange

SBS 2011:

Instalirati Windows Server Solutions Best Practices Analyzer 1.0 i pokrenuti scan servera za pripremu migracije.

Microsoft Baseline Configuration Analyzer 2.0
(Connected to: Local)

Home

Enter Parameters

View Report

See Also

Help

Microsoft Windows Server Solutions Best Practices Analyzer 1.1

View Baseline Configuration Analyzer Report

1.10.2014. 19:30:40

Select Report Type: ☒ Results ☐ Collected Data

Noncompliant

All

Exclusions

All (11 items)

Export Report

Filter

Arrange by: Severity

⚠ Application pool for SharePoint does not use the default .NET Framework version

⚠ Application pool for SharePoint does not use the default Bitness level

⚠ Application pool for SharePoint does not use the default Managed Pipeline Mode

⚠ Free disk space is very low

Compliant

✓ The server can ping the IP address of the default gateway

✓ Windows SBS is the Domain Naming Master

✓ Windows SBS is the Infrastructure Master

✓ Windows SBS is the Primary Domain Controller Master

✓ Windows SBS is the RID Master

✓ Windows SBS is the Schema Master

✓ You are now running Windows Server Solutions BPA on a computer that is running Windows Small Business Server 2011 Standard

 Microsoft Community

Server 2012 R2:

- Instalirati Server 2012 R2 Std
- Instalirati sve dostupne nadogradnje za 2012 R2
- Nakon instalacije dodati 2012 R2 u domenu od SBS-a
- Instalirati server role potrebne za Exchange 2013
 - Instalaciju najlakše izvršiti putem PowerShella
 - Microsoft Unified Communications Manager API 4.0, Core Runtime 64-bit
 - Microsoft Office 2010 Filter Pack 64 bit
 - Microsoft Office 2010 Filter Pack 64 bit SP1

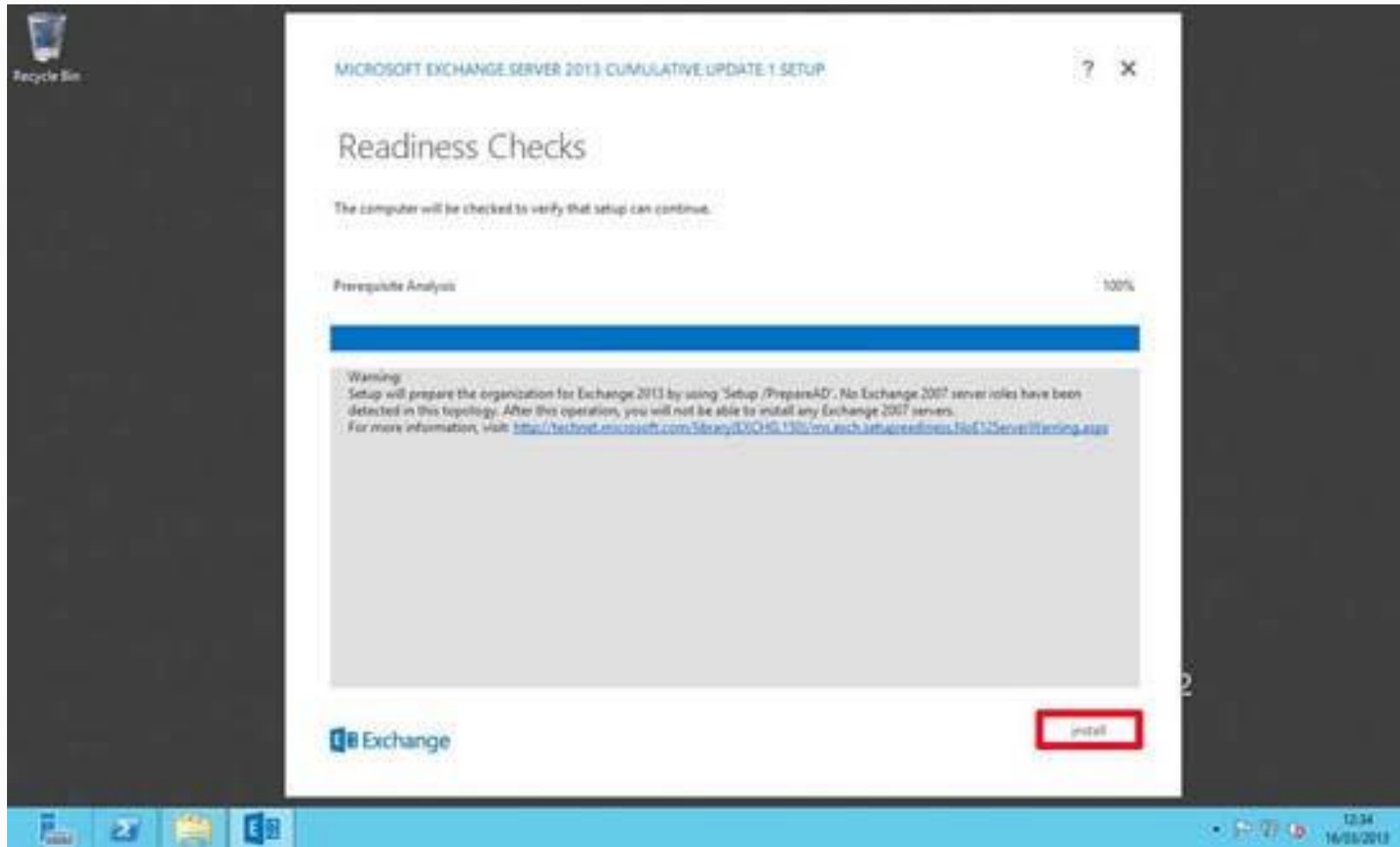
Exchange 2013 prereq:

```
Windows PowerShell
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Windows\system32> Install-WindowsFeature AS-HTTP-Activation, Desktop-Experience, NET-Framework-45-Features, RPC-over-HTTP-proxy, RSAT-Clustering, RSAT-Clustering-CmdInterface, RSAT-Clustering-Mgmt, RSAT-Clustering-PowerShell, Web-Mgmt-Console, WAS-Process-Model, Web-Asp-Net45, Web-Basic-Auth, Web-Client-Auth, Web-Digest-Auth, Web-Dir-Browsing, Web-Dyn-Compression, Web-Http-Errors, Web-Http-Logging, Web-Http-Redirect, Web-Http-Tracing, Web-ISAPI-Ext, Web-ISAPI-Filter, Web-Lgcy-Mgmt-Console, Web-Metabase, Web-Mgmt-Console, Web-Mgmt-Service, Web-Net-Ext45, Web-Request-Monitor, Web-Server, Web-Stat-Compression, Web-Static-Content, Web-Windows-Auth, Web-WMI, Windows-Identity-Foundation_
```

- Prije instalacije exchange 2013 servera bitno je da ne postoji exchange 2003 server
- Outlook client access:
 - Outlook 2013.
 - Outlook 2010 (With SP1 and this update).
 - Outlook 2007 (With SP3 and this update).
 - Outlook for Mac 2011.
 - Entourage 2008 for Mac, Web Services Edition.

Instalacija 2013 exchange-a:

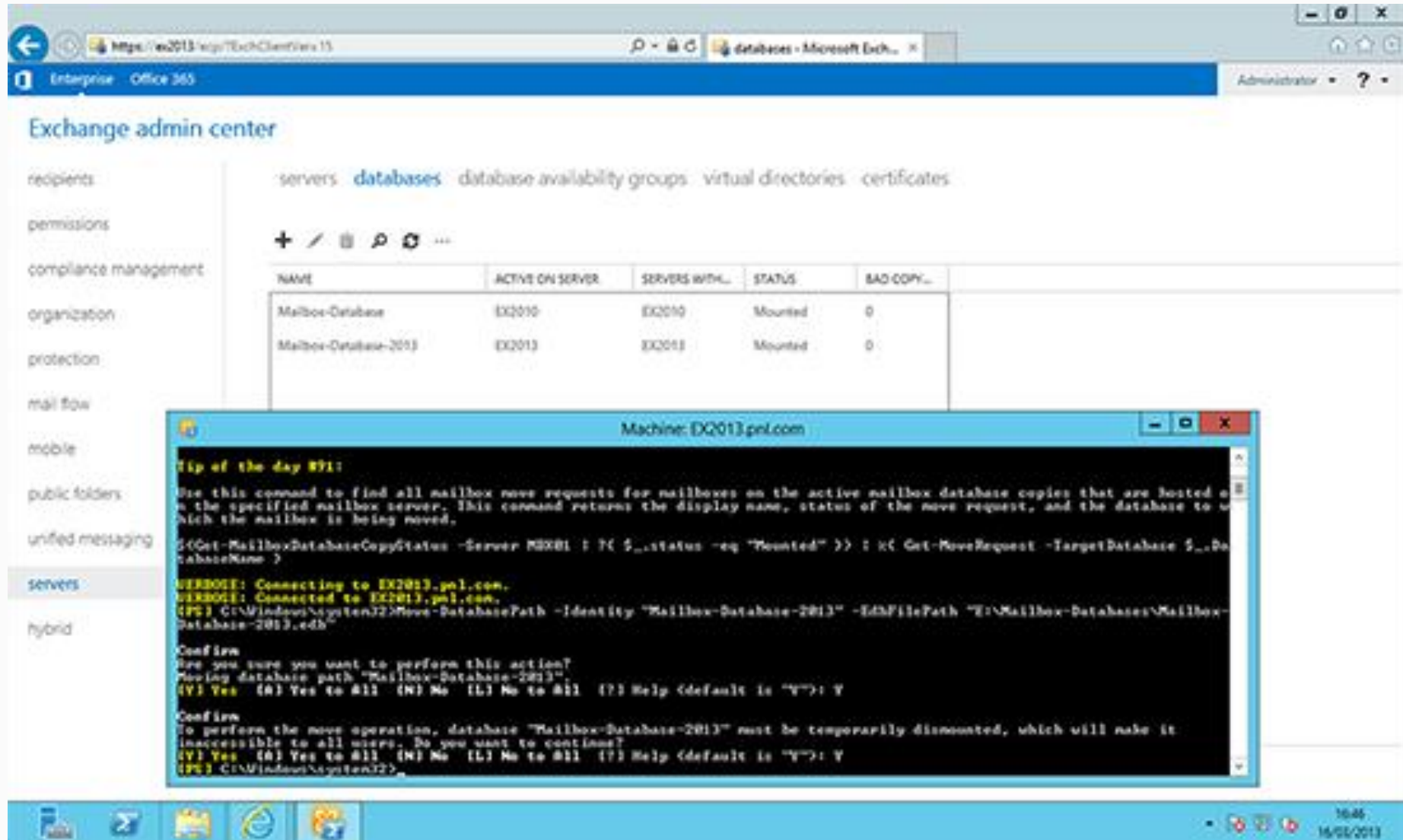


- Popraviti sve greške koje se pojavljuju na provjeri servera prije instalacije

Exchange baza:

- Nakon instalacije prije administrativnog login-a poželjno je prebaciti exchange bazu na za to predviđeno mjesto
- PowerShell
 - `Move-DatabasePath -Identity "Database Name" -EdbFilePath "E:\Folder Name\Database name.edb" -LogFolderPath "E:\Folder Name"`

PowerShell DB move:



The screenshot shows the Exchange Admin Center (EAC) interface with the 'databases' tab selected. A table lists the mailbox databases. Overlaid on this is a PowerShell console window titled 'Machine: EX2013.pnl.com' showing the execution of a move command.

Exchange Admin Center - databases

NAME	ACTIVE ON SERVER	SERVICES WITH...	STATUS	SAO COPY...
Mailbox-Database	EX2010	EX2010	Mounted	0
Mailbox-Database-2013	EX2013	EX2013	Mounted	0

PowerShell Console Window (Machine: EX2013.pnl.com)

```
Tip of the day #91:
Use this command to find all mailbox move requests for mailboxes on the active mailbox database copies that are hosted a
in the specified mailbox server. This command returns the display name, status of the move request, and the database to w
which the mailbox is being moved.

Get-MailboxDatabaseCopyStatus -Server MBOX1 | ?{ $_.status -eq "Mounted" } | % { Get-MoveRequest -TargetDatabase $_.Da
tatabaseName }

VERBOSE: Connecting to EX2013.pnl.com.
VERBOSE: Connected to EX2013.pnl.com.
[PS] C:\Windows\system32>Move-DatabasePath -Identity "Mailbox-Database-2013" -EdbFilePath "E:\Mailbox-Databases\Mailbox-
Database-2013.edb"

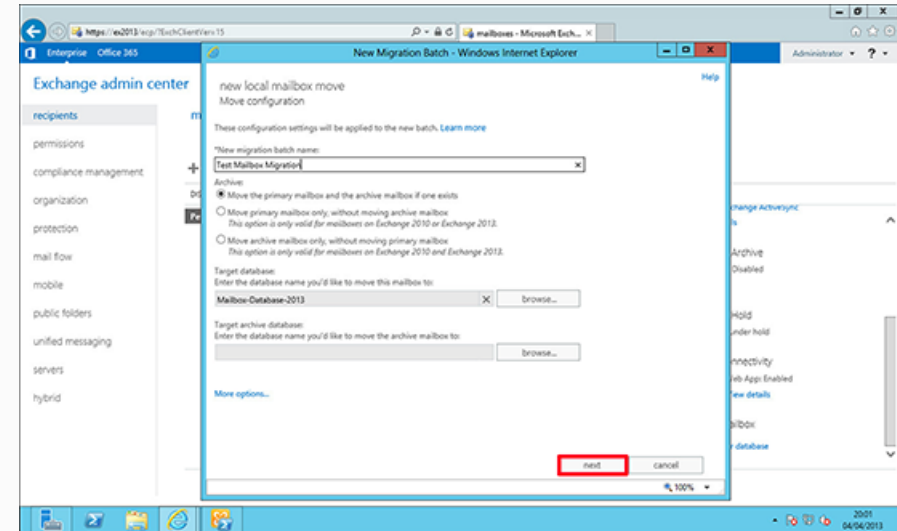
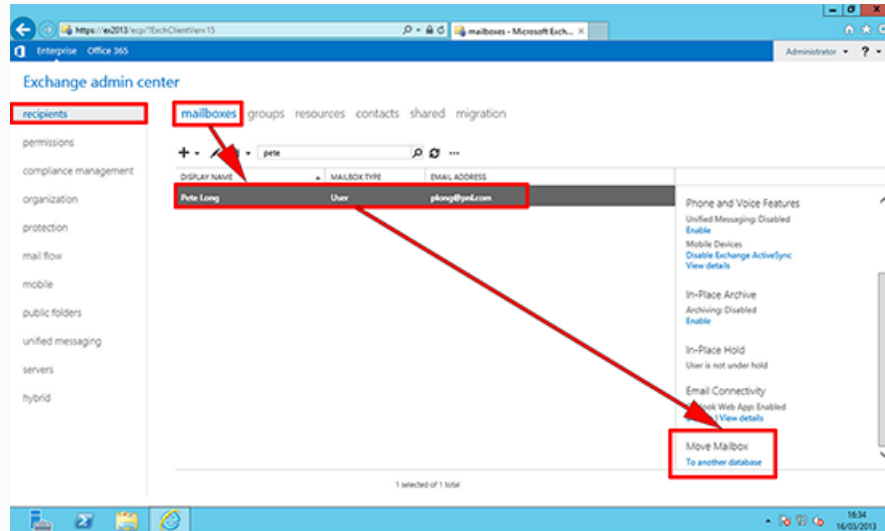
Confirm
Are you sure you want to perform this action?
Moving database path "Mailbox-Database-2013":
[Y] Yes [N] No [A] Yes to All [D] No to All [?] Help (default is "Y"): Y

Confirm
To perform the move operation, database "Mailbox-Database-2013" must be temporarily dismounted, which will make it
inaccessible to all users. Do you want to continue?
[Y] Yes [N] No [A] Yes to All [D] No to All [?] Help (default is "Y"): Y
[PS] C:\Windows\system32>
```

Migracija MailBox-a:

- Prije migracije potrebno usmjeriti OWA korisnike na novi CAS server
- „Move” mailboxa stvara puno logova !!!
- Provjera kroz novi ECP da server vidi stari
- Admin login otvara stari ECP:
 - <https://{Exchange-2013-Server-Name}/ecp/?ExchClientVer=15>
- migrirati testni mailbox i provjeriti slanje mailov-a

MailBox move:



Get-Mailbox -Database Mailbox-Database | New-MoveRequest -TargetDatabase Mailbox-Database-2013

Mailbox move – status:

The screenshot shows the Exchange Admin Center (EAC) interface. In the left-hand navigation pane, the 'migration' tab is selected. The main content area displays a table of migration batches. A red box highlights the 'Test Mailbox Migration' batch, which has a status of 'Completed'. A red arrow points from this batch to a detailed view window titled 'Migration Batch Users - Windows Internet Explorer'. This window shows a table with one row for 'plong@pnl.com' with a status of 'Completed'. Another red arrow points from the 'View details' link in the right-hand pane of the detailed view window to the PowerShell code block below.

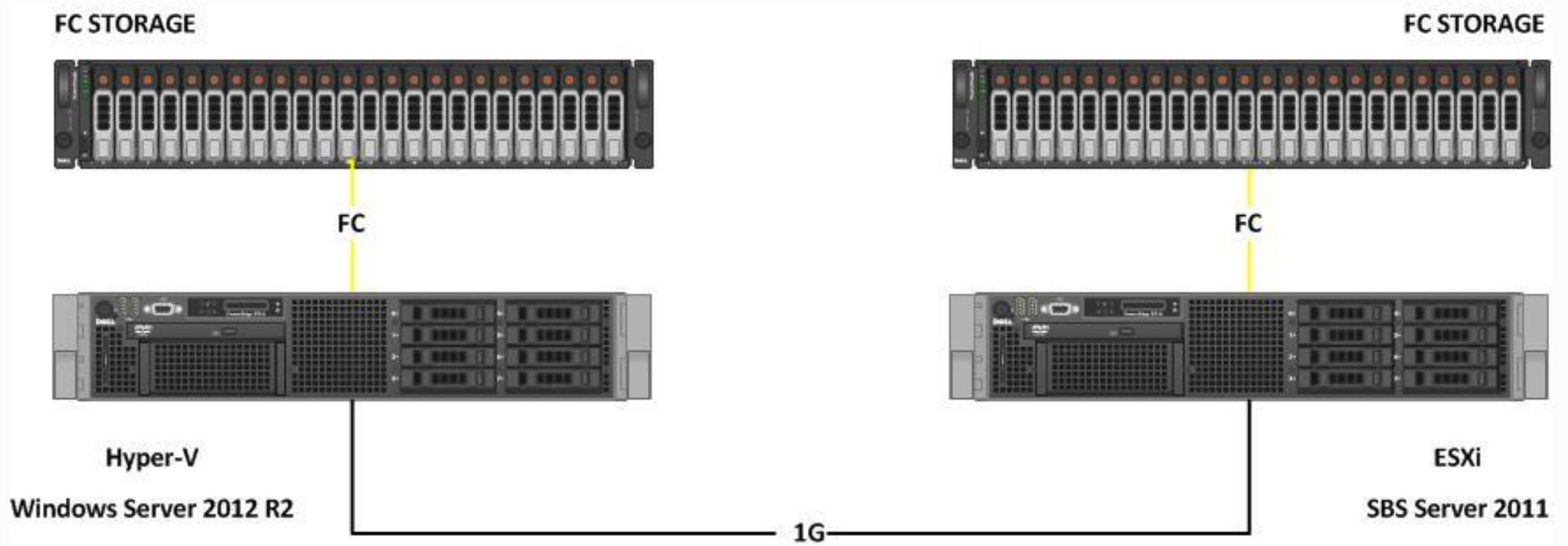
NAME	STATUS	TOTAL	SYNCED	FINALIZED	FAILED
Test Mailbox Migration	Completed	1	0	1	0

EMAIL ADDRESS	STATUS	ITEMS SYNCED	ITEMS SKIPPED
plong@pnl.com	Completed	1	0

```
1 add-pssnapin Microsoft.Exchange.Management.PowerShell.SnapIn #Enable Exchange cmdlets
2 do
3 {
4     $jobs = Get-MoveRequest | where {$_.Status -eq "InProgress"} | select DisplayName;
5
6     foreach ($job in $jobs)
7     {
8         Get-MoveRequestStatistics $job.DisplayName | select DisplayName,StatusDetail,PercentComp
9     }
10
11     Start-Sleep -s 5;
12
13     Write-Host "*****~r~n";
14
15 } while ($True)
```

[Wikidesk](#)

DEMO



Promjena toka mailova:

- Provjera mailboxa na kojem su serveru
- Get-MailboxDatabase -Identity "Mailbox-Database" | Get-Mailbox

The image displays two side-by-side screenshots of the Exchange Admin Center (EAC) interface, illustrating the configuration of mail flow connectors.

Left Screenshot: Exchange Send Connector - Windows Internet Explorer

- The left sidebar shows the navigation pane with "mail flow" selected.
- The "Send-Connector" link is highlighted in the "mail flow" section.
- The "general" tab is active, showing the "Name" field with the value "PeteNetLiveNet".
- The "scoping" tab is selected, showing the "Address space" table with one entry: "SMTP" with a cost of "1".
- The "Source server" table lists the following entries:

SRV...	SITE	ROLE	VERSION
EX2010	pm1com/Conf...	Mailbox, Clie...	Version ...
- A red arrow points from the text "Remove the 2010 server, and add in the 2013 server" to the "EX2010" entry in the "Source server" table.
- The "save" button is highlighted in the bottom right corner.

Right Screenshot: Exchange Receive Connector - Windows Internet Explorer

- The left sidebar shows the navigation pane with "mail flow" selected.
- The "Receive Connector" link is highlighted in the "mail flow" section.
- The "Default Frontend EX2013" connector is selected.
- The "security" tab is active, showing the "Authentication" section with the following settings:
 - ☒ Transport Layer Security (TLS)
 - ☒ Enable domain security (mutual Auth TLS)
 - ☒ Basic authentication
 - ☒ Offer basic authentication only after starting TLS
 - ☒ Integrated Windows authentication
 - ☒ Exchange server authentication
 - ☐ Externally secured (for example, with IPsec)
- The "Permission groups" section shows the following settings:
 - ☒ Exchange servers
 - ☒ Legacy Exchange servers
 - ☐ Partners
 - ☐ Exchange users
 - ☒ Anonymous users
- The "save" button is highlighted in the bottom right corner.



Wiki

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