Windows Essential Business Server 2008
Del 1 af 3 - Planlægning og migrering

Windows Essential Server Solutions

Windows Essential Business Server 2008

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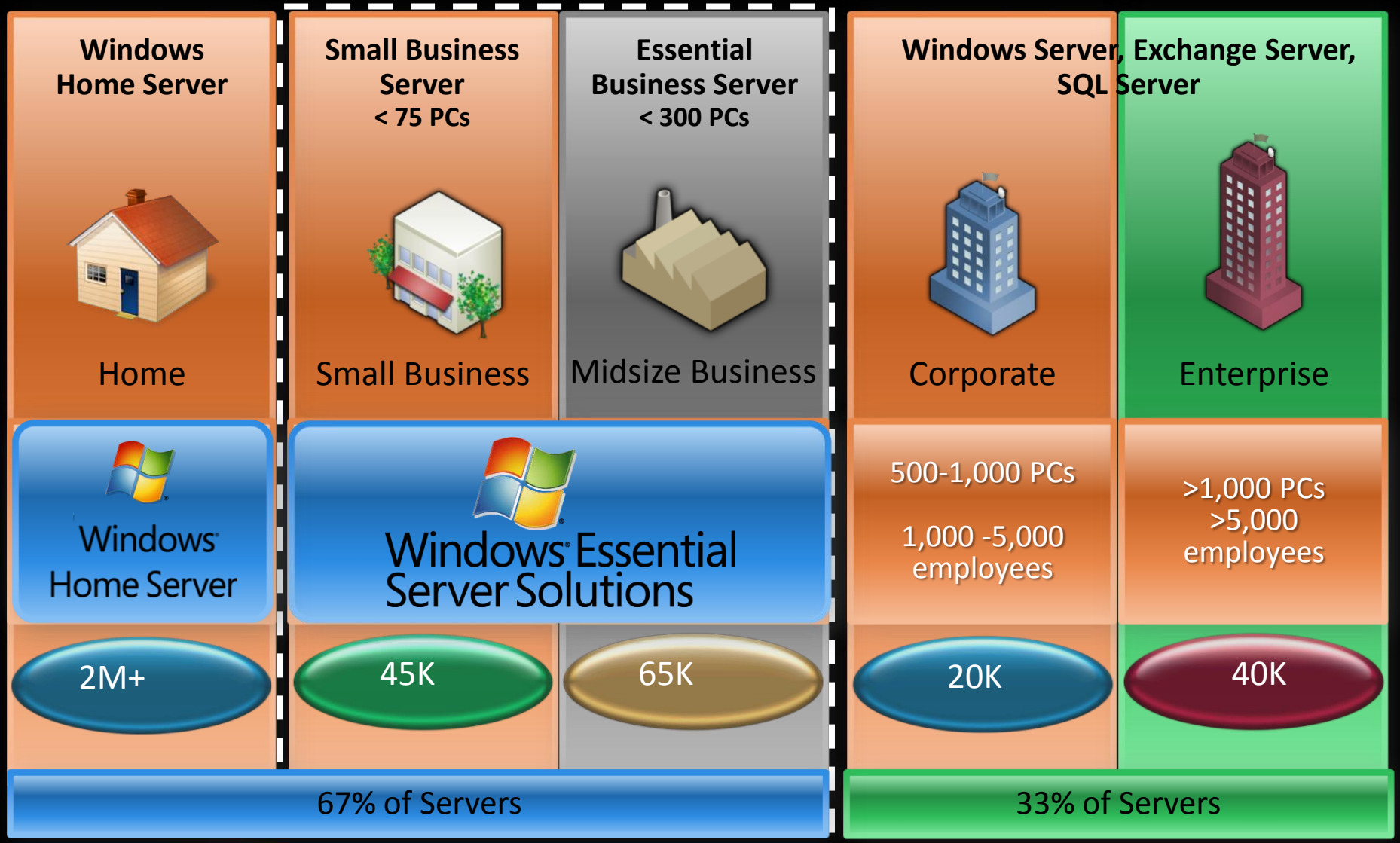
Agenda

- Introduction to EBS
- Planning and Preparation Wizards
- Installing Windows EBS 2008
- Migration
- Next Steps and Resources
- Q&A

Right Solutions For The Right Customer



Windows Essential Server Solutions “Family”

{ Enterprise-class Server Solutions, Designed and Priced for SMB }

Designed & Priced for SMBs	• Fully versioned, integrated technologies in best practice deployment • Simplified purchasing and licensing • Standardized, extensible platform ideal for LOB Applications
Less Complexity & More Control	• Simplified management with centralized admin console • Streamlined setup, deployment, maintenance and management • Familiar Windows-based experience; leverage existing IT skills
Grows Business Capacity	• Freedom to work from anywhere and with mobile devices • Reliable, scalable platform enables growth and less downtime • Cost-savings vs. standalone products lowers cost of acquisition

Small Business Server 2008 Standard

Small Business Server 2008 Premium

Essential Business Server 2008 Standard

Essential Business Server 2008 Premium

Windows Essential Business Server 2008

Standard Edition

Management Server

- Windows Server 2008
  - Networking
  - Active Directory
  - File and Print
- Windows SharePoint Services 3.0
- System Center Essentials

Messaging Server

- Windows Server 2008
- Exchange Server 2007
- Forefront Security for Exchange Server

Security Server

- Windows Server 2008
- Exchange Server 2007
- Forefront Threat Management Gateway, Medium Business Edition

Premium Edition

Standard Edition, Plus…

Database Server

- Windows Server 2008
- SQL Server 2008 Standard Edition

1 product, 1 price, 1 CAL

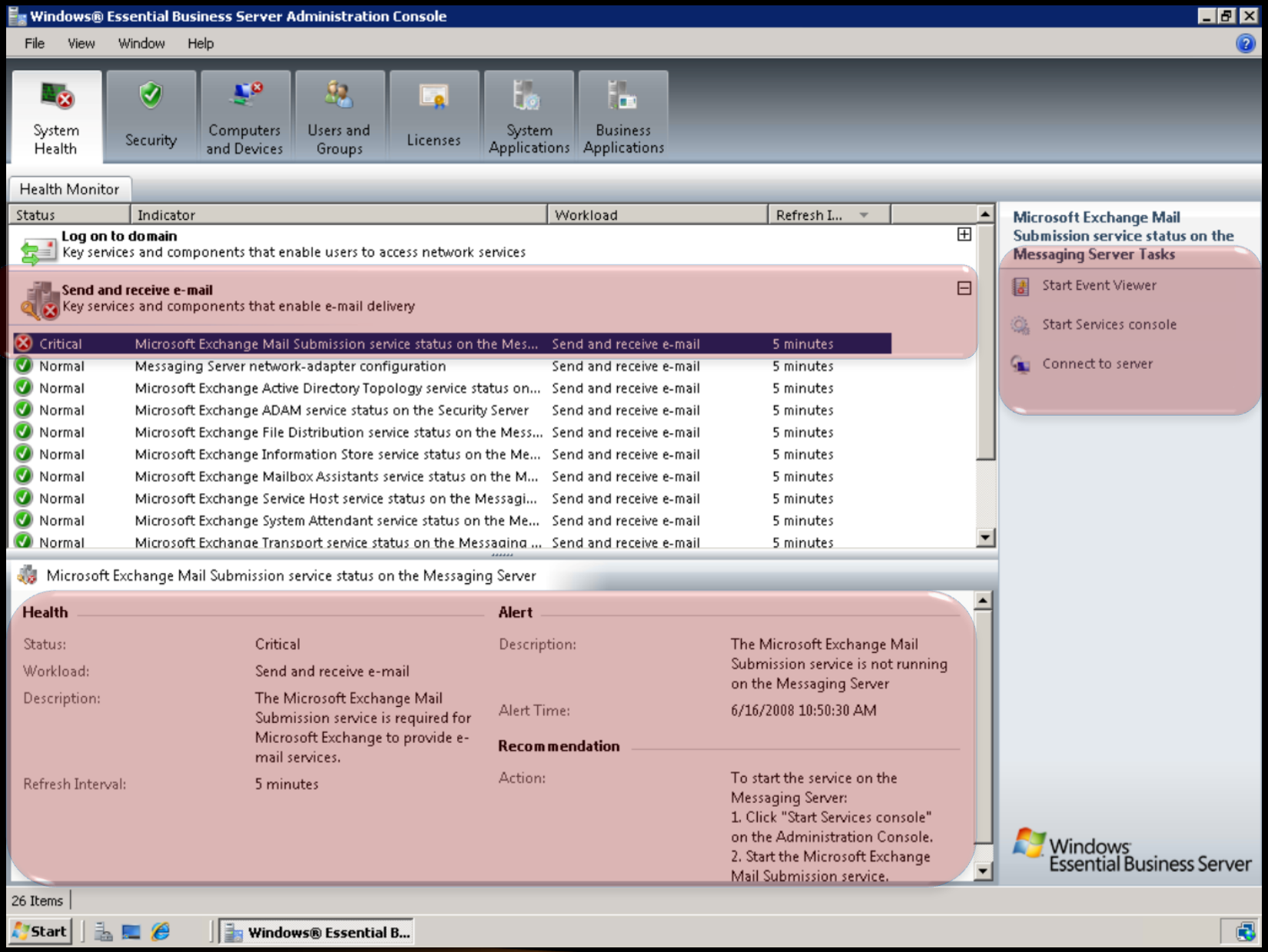
Integrated setup and Migration

300+ pages of best practices built in

Unified, extensible Console

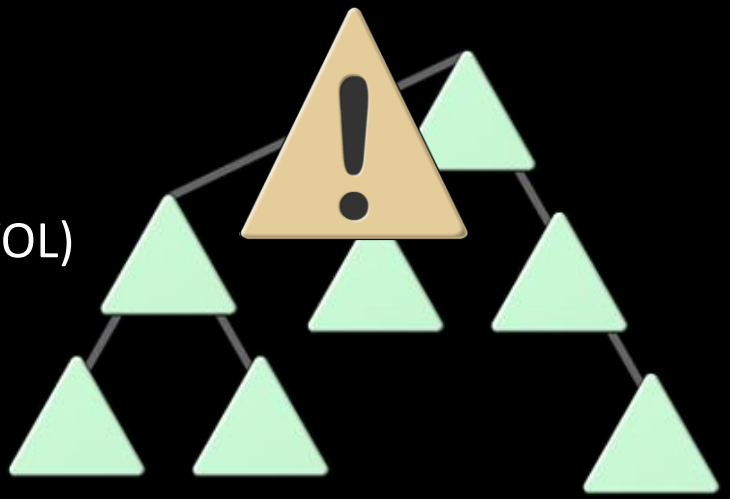
Supports 300 users or devices

EBS User Interface



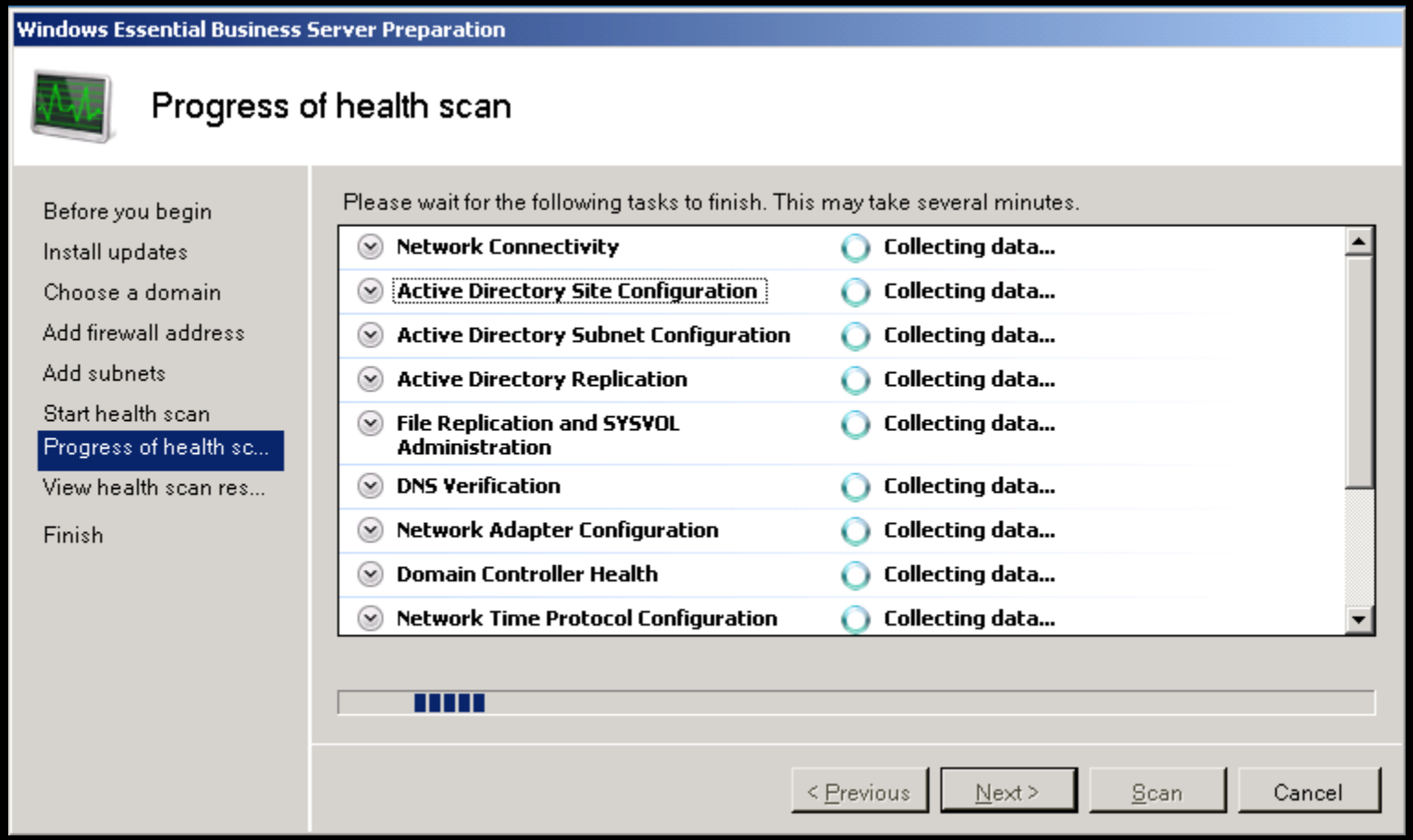
Preparation and Planning Wizards

- Windows Essential Business Server Preparation Wizard performs over 100 infrastructure health checks
  - DNS configuration
    - Orphaned records
  - AD health
    - Convergence/replication testing (SYSVOL)
    - Integration mismatches
    - Broken delegation
    - Orphaned records
  - Network connectivity problems
    - Ghost NICs
    - Binding order (TIP: Internal network MUST be on first NIC)
    - 169.254.x.x addressing (automatic private IP)
  - Exchange Health Checks

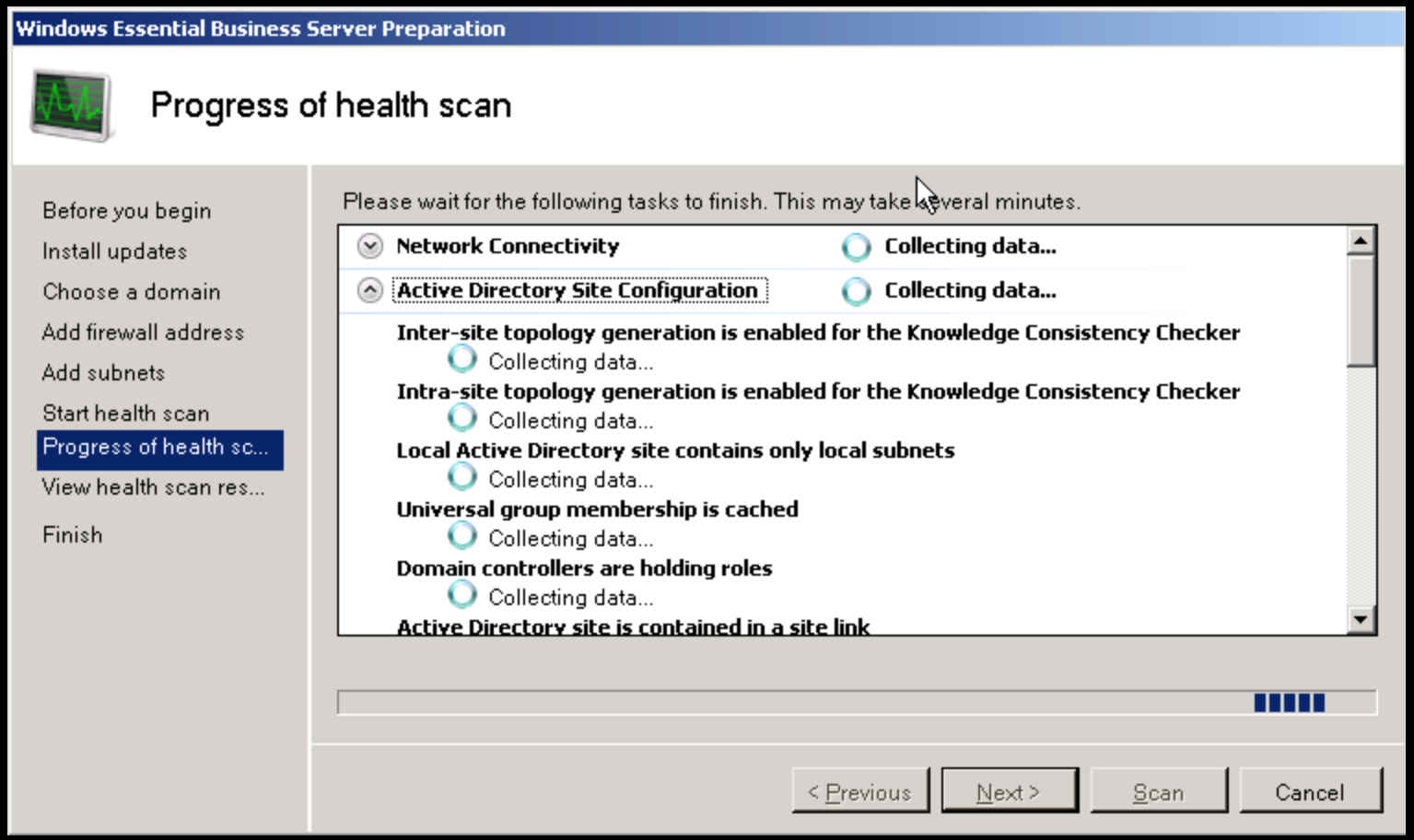


Preparation Wizard Demo

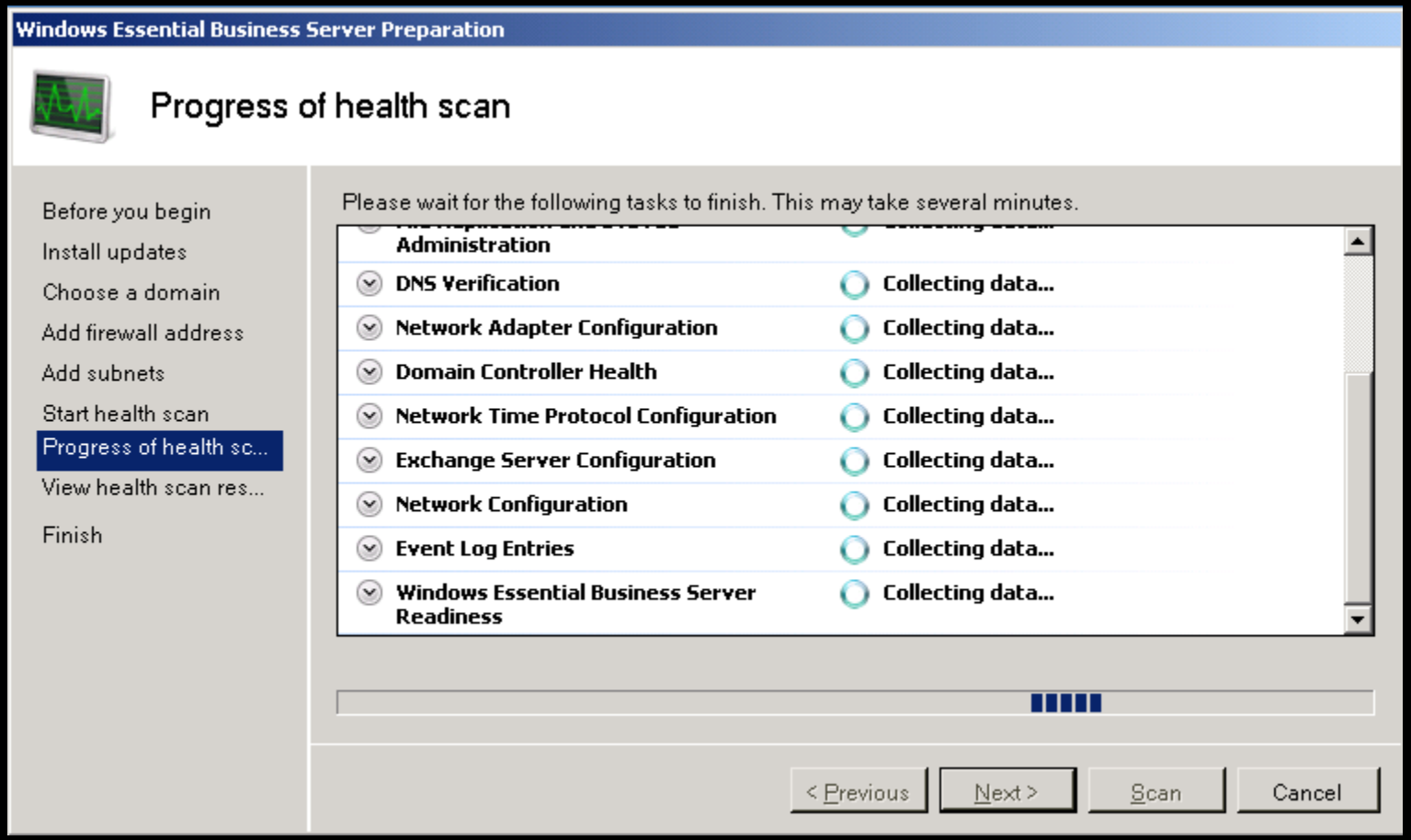
Preparation Wizard in SBS env.



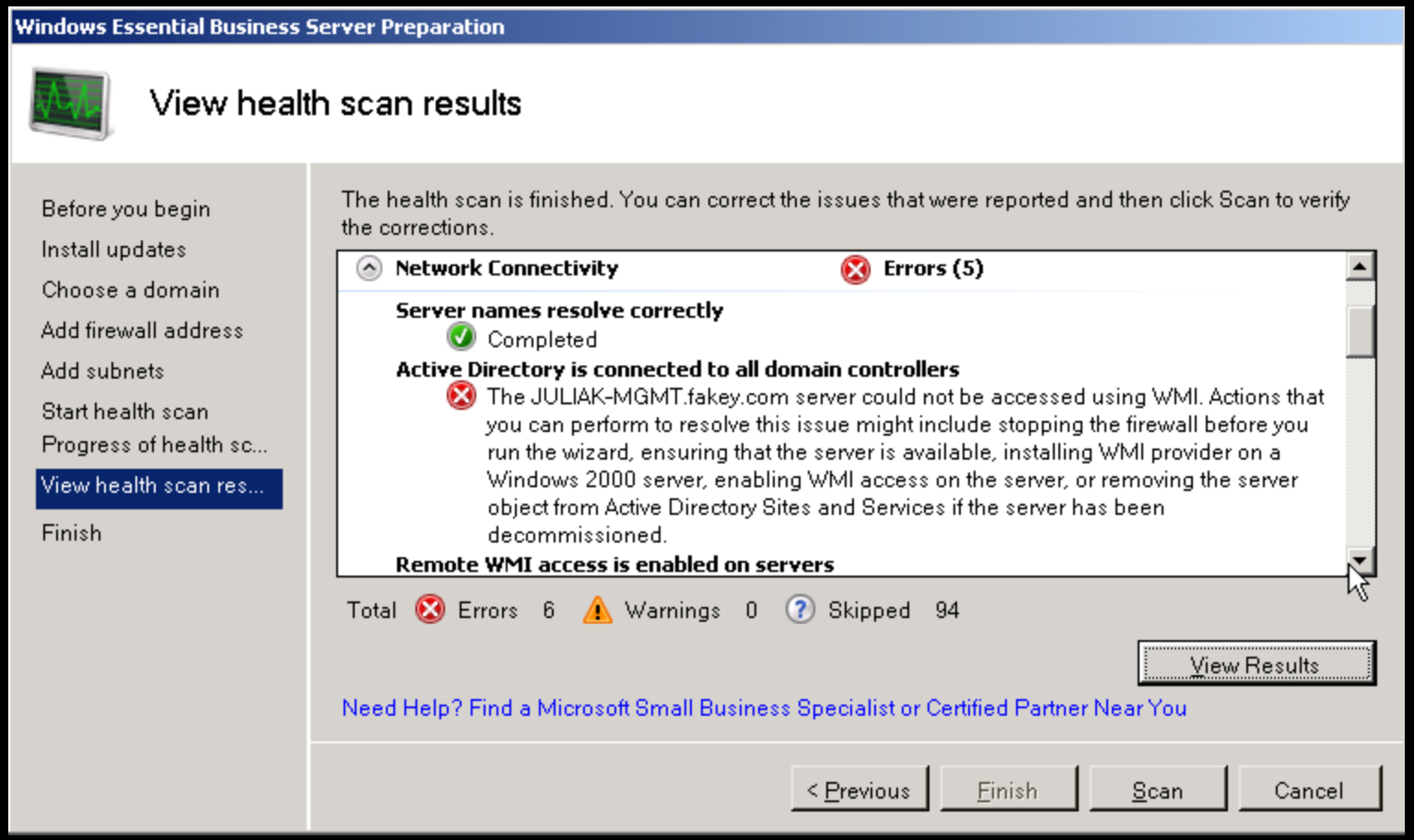
Preparation Wizard



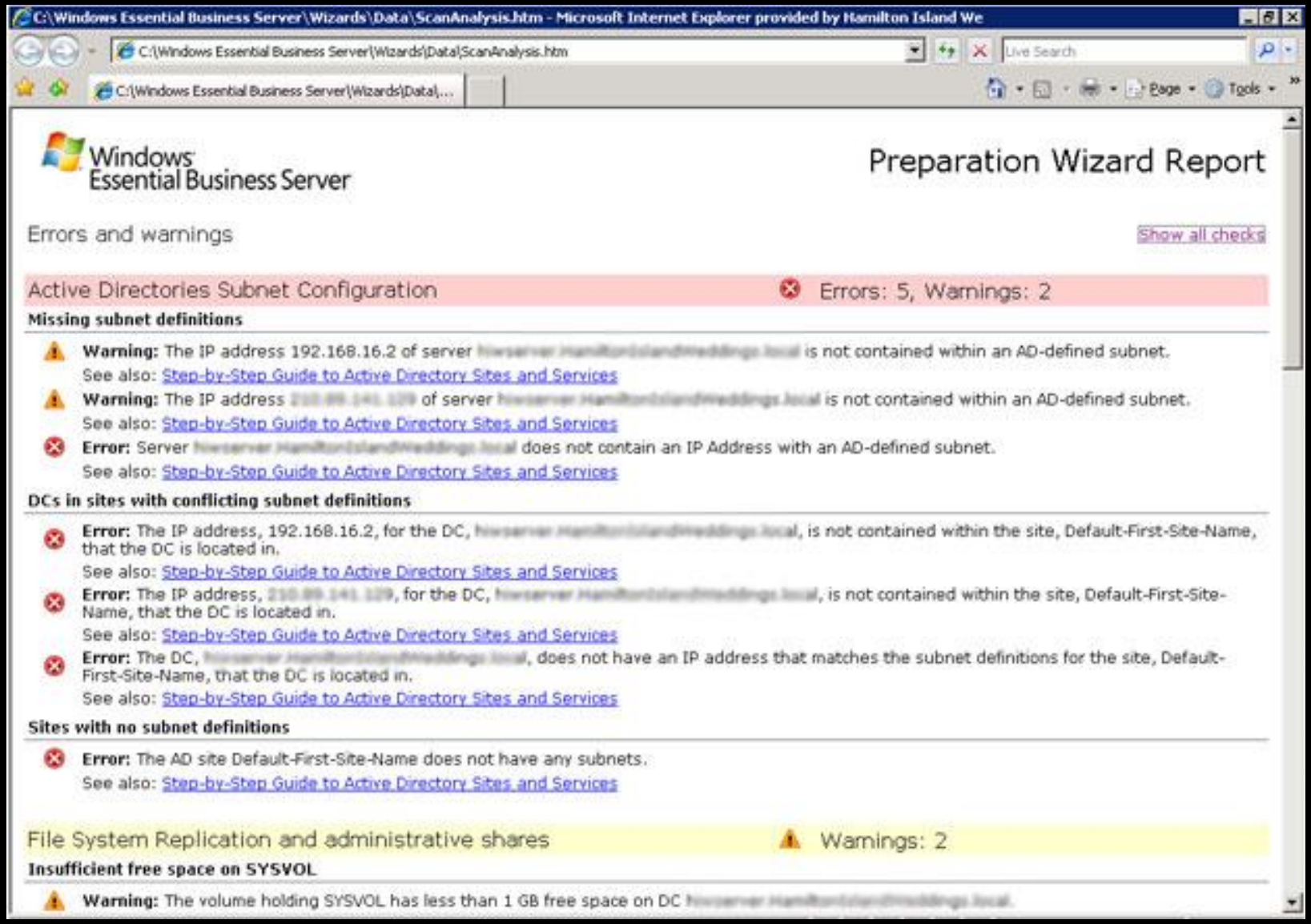
Preparation Wizard



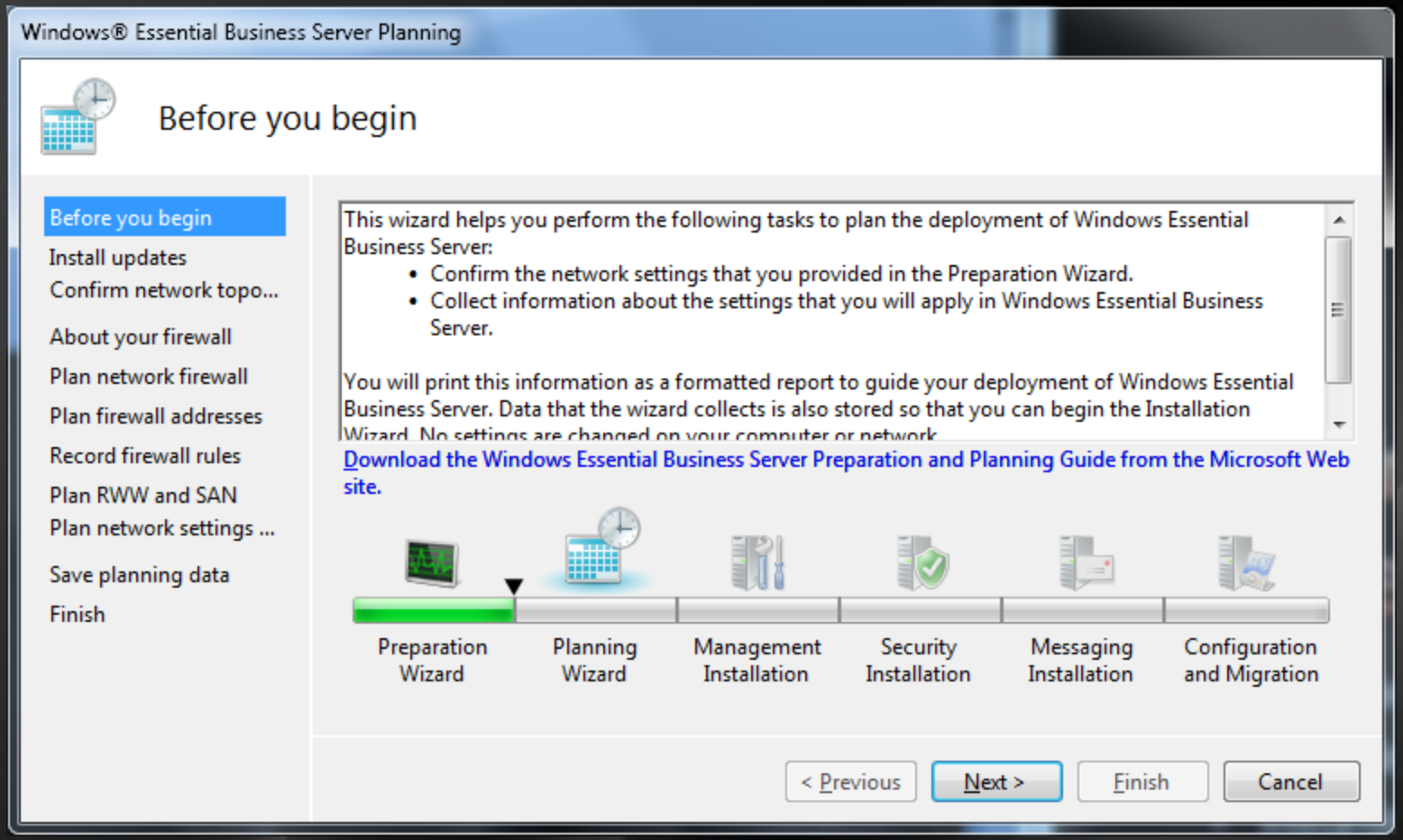
Preparation Wizard

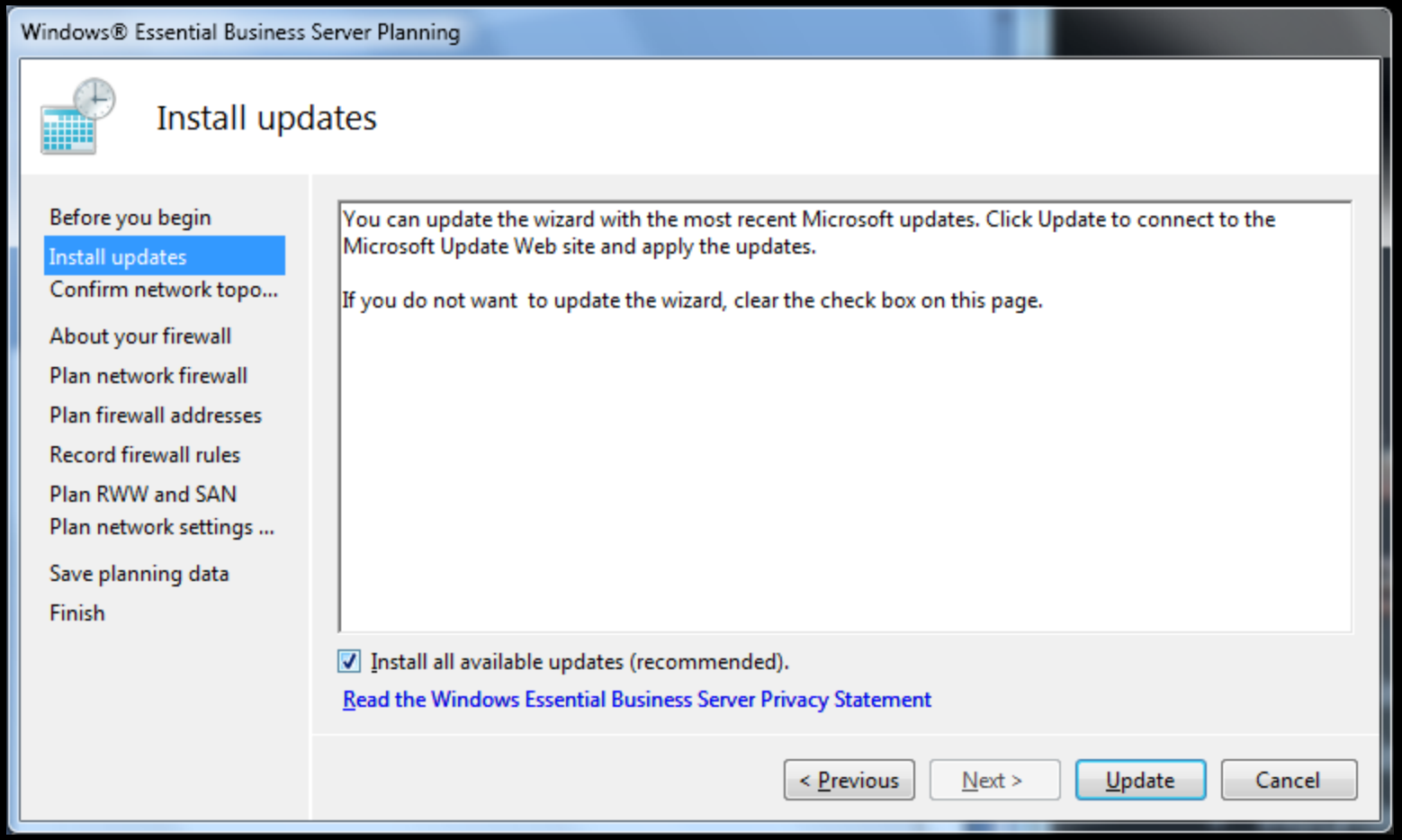


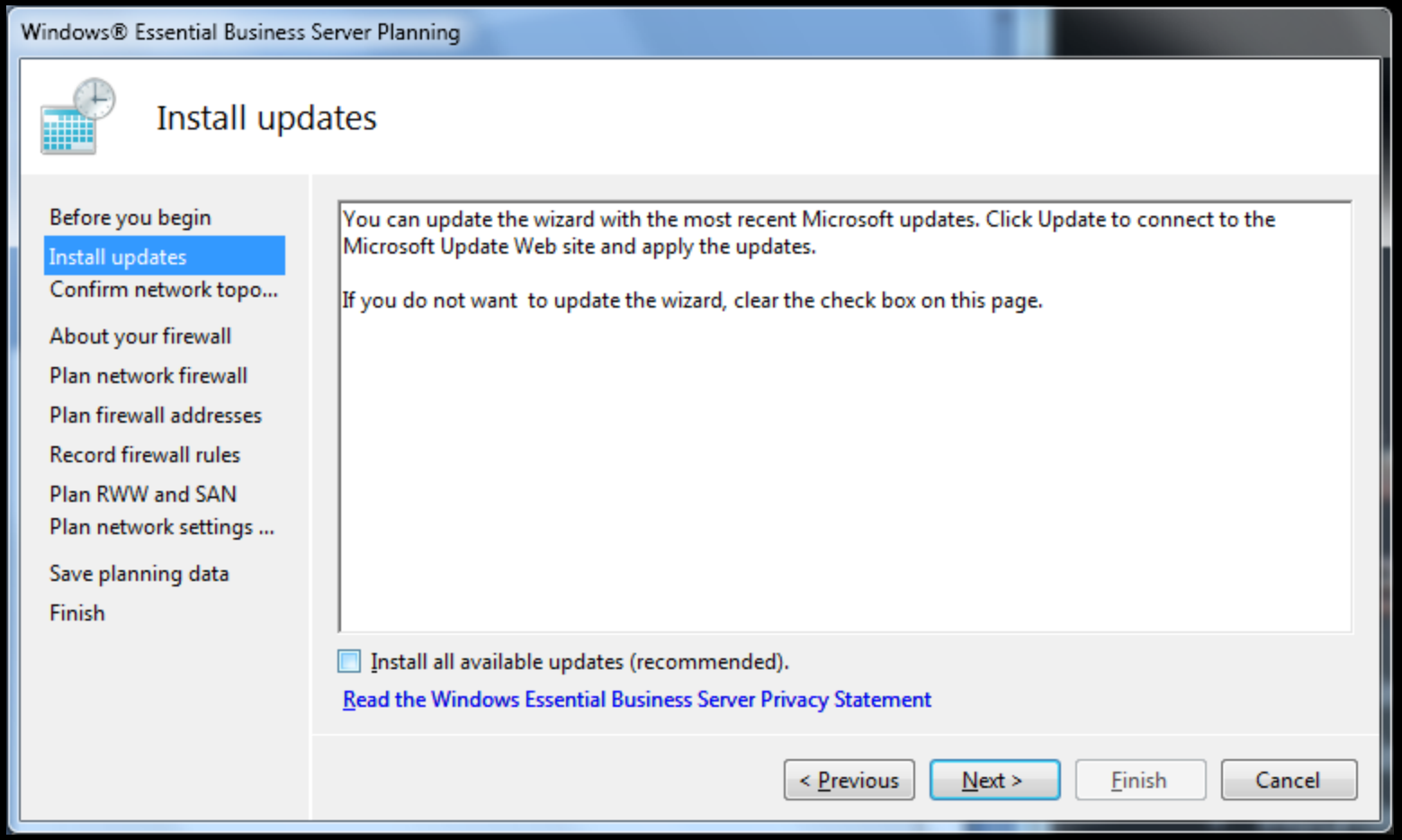
Preparation Wizard



Planning Wizard Demo


Windows® Essential Business Server Planning
Before you begin
Before you begin
Install updates
Confirm network topo...
About your firewall
Plan network firewall
Plan firewall addresses
Record firewall rules
Plan RWW and SAN
Plan network settings ...
Save planning data
Finish
This wizard helps you perform the following tasks to plan the deployment of Windows Essential Business Server:
Confirm the network settings that you provided in the Preparation Wizard.
Collect information about the settings that you will apply in Windows Essential Business Server.
You will print this information as a formatted report to guide your deployment of Windows Essential Business Server. Data that the wizard collects is also stored so that you can begin the Installation
Download the Windows Essential Business Server Preparation and Planning Guide from the Microsoft Web site.
Preparation Wizard
Planning Wizard
Management Installation
Security Installation
Messaging Installation
Configuration and Migration
< Previous
Next >
Finish
Cancel


Windows® Essential Business Server Planning
Install updates
Before you begin
Install updates
Confirm network topo...
About your firewall
Plan network firewall
Plan firewall addresses
Record firewall rules
Plan RWW and SAN
Plan network settings ...
Save planning data
Finish
You can update the wizard with the most recent Microsoft updates. Click Update to connect to the Microsoft Update Web site and apply the updates.
If you do not want to update the wizard, clear the check box on this page.
Install all available updates (recommended).
Read the Windows Essential Business Server Privacy Statement
< Previous
Next >
Update
Cancel


Windows® Essential Business Server Planning
Install updates
Before you begin
Install updates
Confirm network topo...
About your firewall
Plan network firewall
Plan firewall addresses
Record firewall rules
Plan RWW and SAN
Plan network settings ...
Save planning data
Finish
You can update the wizard with the most recent Microsoft updates. Click Update to connect to the Microsoft Update Web site and apply the updates.
If you do not want to update the wizard, clear the check box on this page.
Install all available updates (recommended).
Read the Windows Essential Business Server Privacy Statement
< Previous
Next >
Finish
Cancel

Windows® Essential Business Server Planning

Confirm your network topology

- Before you begin
- Install updates
- Confirm network topo...
- About your firewall
- Plan network firewall
- Plan firewall addresses
- Record firewall rules
- Plan RWW and SAN
- Plan network settings ...
- Save planning data
- Finish

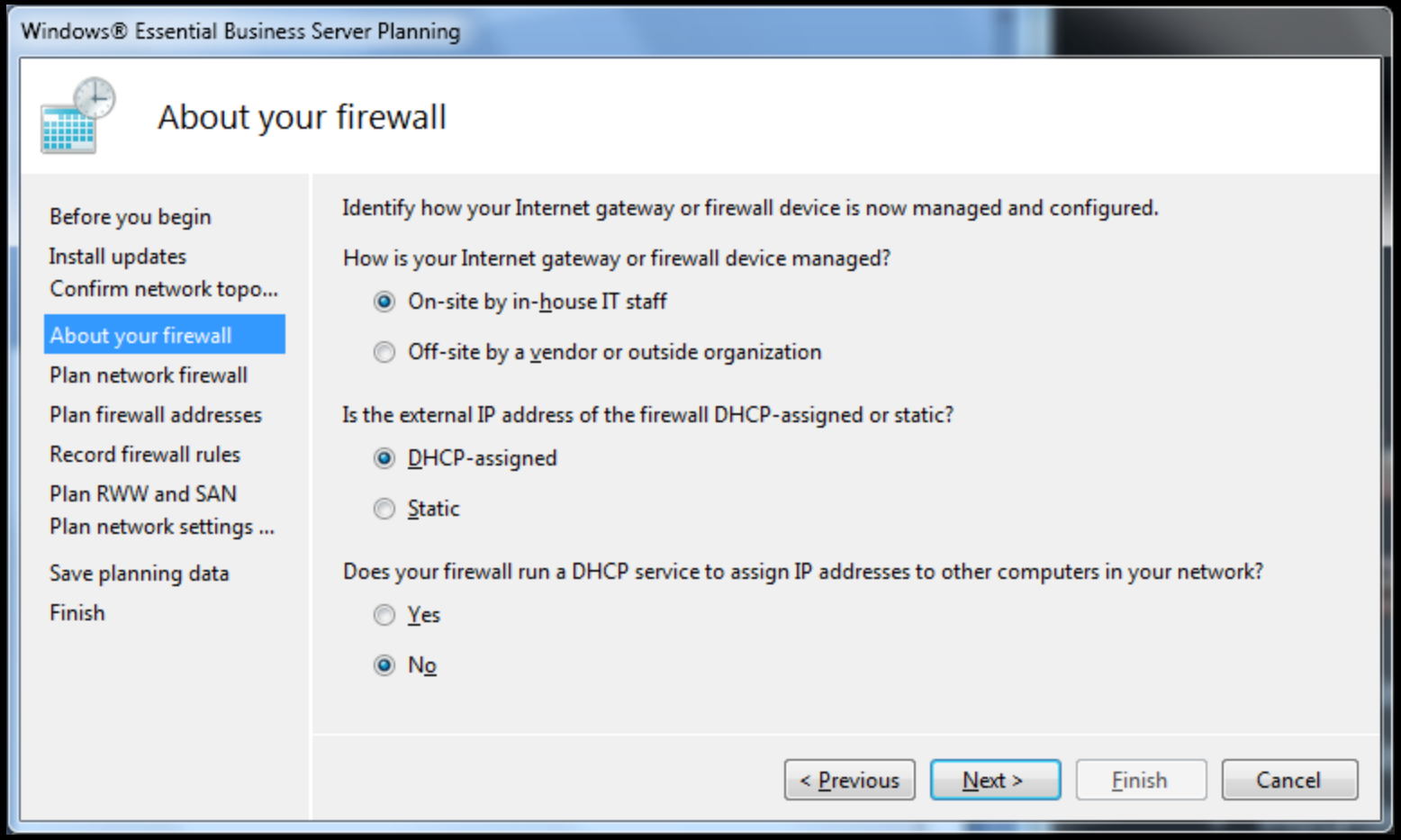
The following topology is based on information that you provided in the Preparation Wizard. (Not all network detail is shown.) If the topology that is shown on this page is correct, click Next.

Single-subnet network

All of the computers and network devices are connected on a single subnet.

To correct this topology, click Cancel. Then run the Preparation Wizard again to add or modify settings for your subnets. More information is in the Preparation and Planning Guide.

< Previous | Next > | Finish | Cancel


Windows® Essential Business Server Planning
About your firewall
Before you begin
Install updates
Confirm network topo...
About your firewall
Plan network firewall
Plan firewall addresses
Record firewall rules
Plan RWW and SAN
Plan network settings ...
Save planning data
Finish
Identify how your Internet gateway or firewall device is now managed and configured.
How is your Internet gateway or firewall device managed?
On-site by in-house IT staff
Off-site by a vendor or outside organization
Is the external IP address of the firewall DHCP-assigned or static?
DHCP-assigned
Static
Does your firewall run a DHCP service to assign IP addresses to other computers in your network?
Yes
No
< Previous
Next >
Finish
Cancel

Windows® Essential Business Server Planning

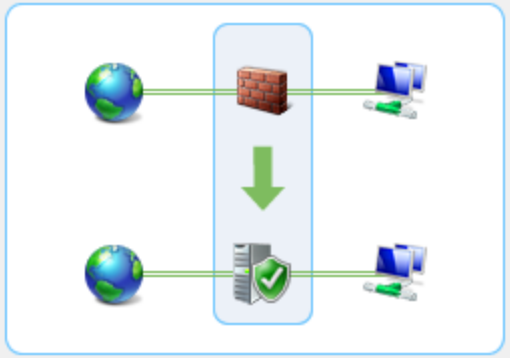
Plan network firewall for Essential Business Server

- Before you begin
- Install updates
- Confirm network topo...
- About your firewall
- Plan network firewall
- Plan firewall addresses
- Record firewall rules
- Plan RWW and SAN
- Plan network settings ...
- Save planning data
- Finish

Windows Essential Business Server installs a network firewall (Forefront Threat Management Gateway, Medium Business Edition) on the Security Server. You can replace your existing firewall with the Security Server, or you can deploy the Security Server behind your existing firewall.

(•) Replace the existing firewall with the Security Server.

( ) Deploy the Security Server behind the existing firewall (advanced).



For help choosing how to use the network firewall in Windows Essential Business Server, see the Preparation and Planning Guide.

< Previous | Next > | Finish | Cancel

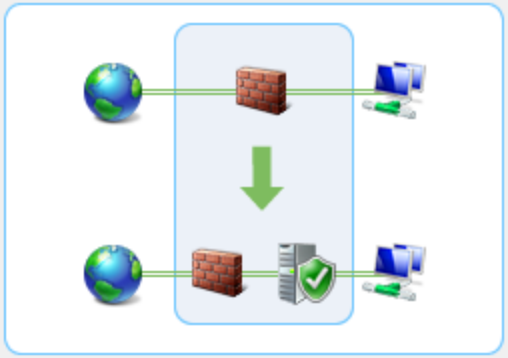
Windows® Essential Business Server Planning

Plan network firewall for Essential Business Server

- Before you begin
- Install updates
- Confirm network topo...
- About your firewall
- Plan network firewall
- Plan firewall addresses
- Record firewall rules
- Plan RWW and SAN
- Plan network settings ...
- Save planning data
- Finish

Windows Essential Business Server installs a network firewall (Forefront Threat Management Gateway, Medium Business Edition) on the Security Server. You can replace your existing firewall with the Security Server, or you can deploy the Security Server behind your existing firewall.

- ( ) Replace the existing firewall with the Security Server.
- (•) Deploy the Security Server behind the existing firewall (advanced).



For help choosing how to use the network firewall in Windows Essential Business Server, see the Preparation and Planning Guide.

< Previous | Next > | Finish | Cancel

Windows® Essential Business Server Planning

Plan firewall addresses

- Before you begin
- Install updates
- Confirm network topo...
- About your firewall
- Plan network firewall
- Plan firewall addresses
- Record firewall rules
- Plan RWW and SAN
- Plan network settings ...
- Save planning data
- Finish

The Security Server must use the network address settings of the firewall that it replaces. Type the addresses on this page (if it does not already show the addresses).

① External

External IP address:

Dynamic

② Internal

Internal IP address:

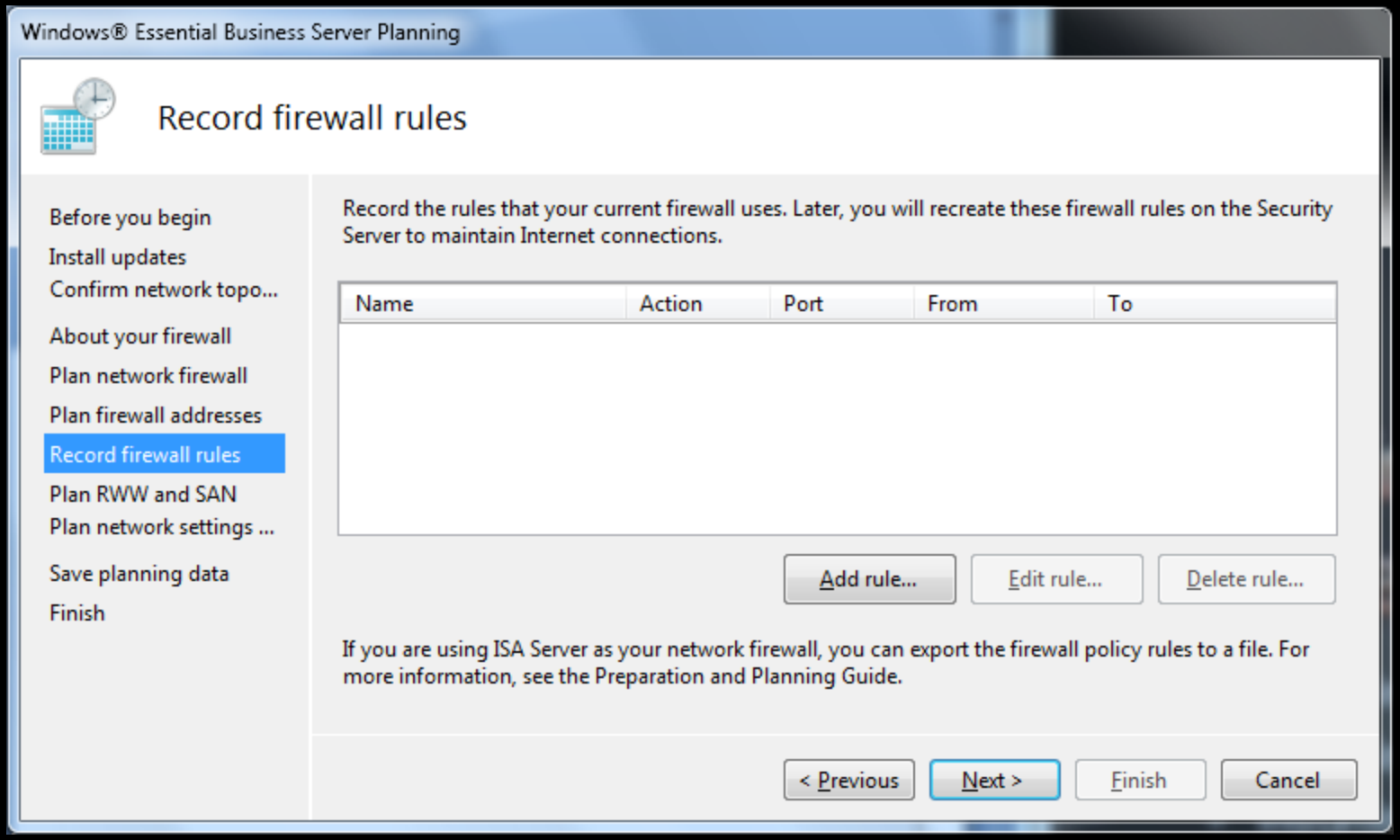
192 . 168 . 1 . 1

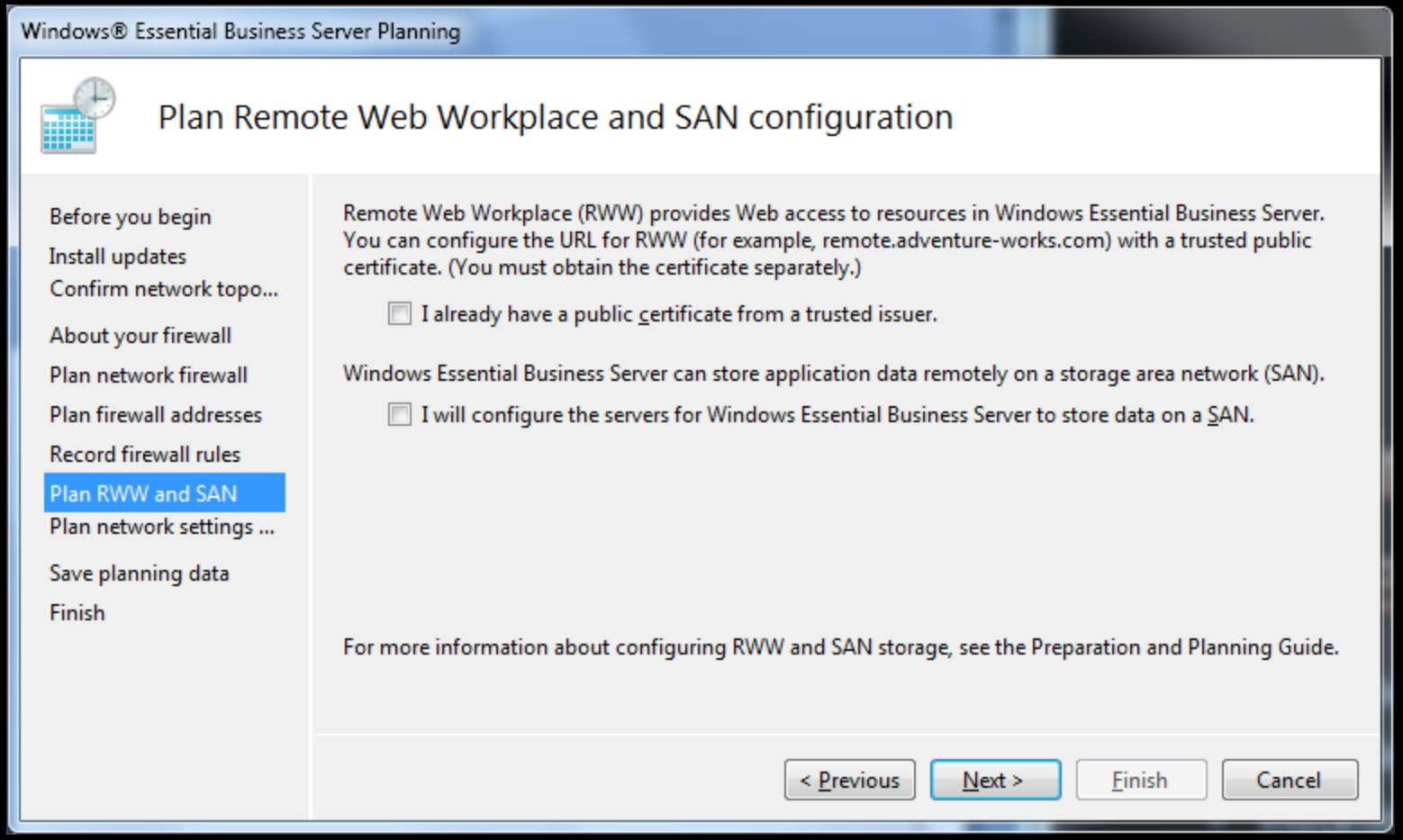
Subnet mask:

255 . 255 . 255 . 0

For help with the network address settings for your firewall, see the Preparation and Planning Guide.

< Previous | Next > | Finish | Cancel


Windows® Essential Business Server Planning
Record firewall rules
Before you begin
Install updates
Confirm network topo...
About your firewall
Plan network firewall
Plan firewall addresses
Record firewall rules
Plan RWW and SAN
Plan network settings ...
Save planning data
Finish
Record the rules that your current firewall uses. Later, you will recreate these firewall rules on the Security Server to maintain Internet connections.
Name
Action
Port
From
To
Add rule...
Edit rule...
Delete rule...
If you are using ISA Server as your network firewall, you can export the firewall policy rules to a file. For more information, see the Preparation and Planning Guide.
< Previous
Next >
Finish
Cancel

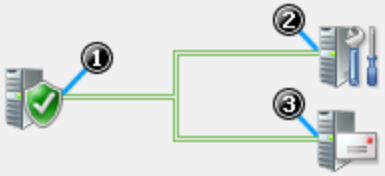

Windows® Essential Business Server Planning
Plan Remote Web Workplace and SAN configuration
Before you begin
Install updates
Confirm network topo...
About your firewall
Plan network firewall
Plan firewall addresses
Record firewall rules
Plan RWW and SAN
Plan network settings ...
Save planning data
Finish
Remote Web Workplace (RWW) provides Web access to resources in Windows Essential Business Server. You can configure the URL for RWW (for example, remote.adventure-works.com) with a trusted public certificate. (You must obtain the certificate separately.)
I already have a public certificate from a trusted issuer.
Windows Essential Business Server can store application data remotely on a storage area network (SAN).
I will configure the servers for Windows Essential Business Server to store data on a SAN.
For more information about configuring RWW and SAN storage, see the Preparation and Planning Guide.
< Previous
Next >
Finish
Cancel

Windows® Essential Business Server Planning

Plan network settings for the servers

- Before you begin
- Install updates
- Confirm network topo...
- About your firewall
- Plan network firewall
- Plan firewall addresses
- Record firewall rules
- Plan RWW and SAN
- Plan network settings ...
- Save planning data
- Finish

Type the network settings and machine names you will assign to the three servers for Windows Essential Business Server.



1 Security Server	2 Management Server	3 Messaging Server
Internal IP address:	IP address:	IP address:
192.168.1.1		
Server name:	Server name:	Server name:

For help with planning these network settings, see the Preparation and Planning Guide.

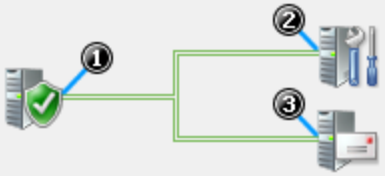
< Previous | Next > | Finish | Cancel

Windows® Essential Business Server Planning

Plan network settings for the servers

- Before you begin
- Install updates
- Confirm network topo...
- About your firewall
- Plan network firewall
- Plan firewall addresses
- Record firewall rules
- Plan RWW and SAN
- Plan network settings ...
- Save planning data
- Finish

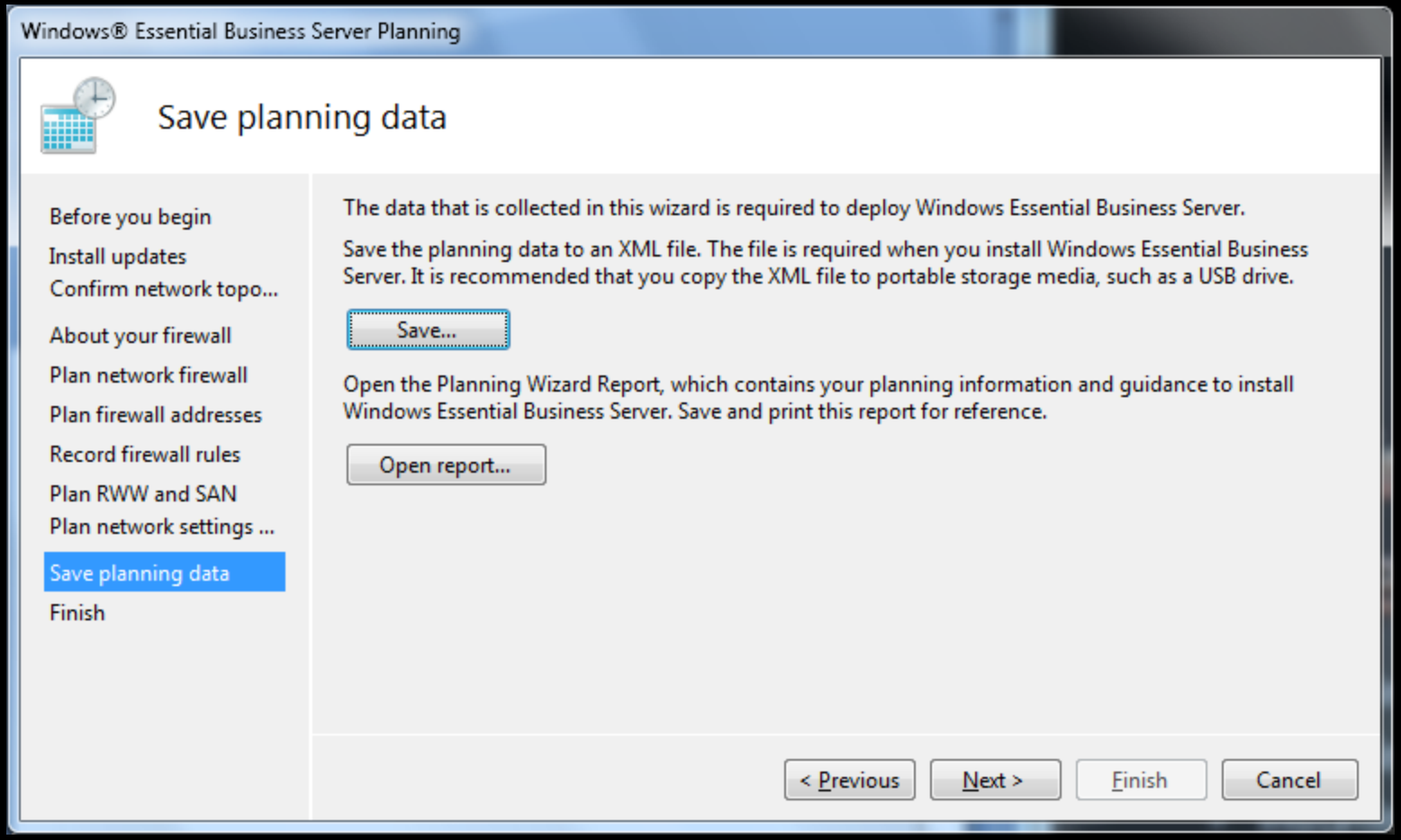
Type the network settings and machine names you will assign to the three servers for Windows Essential Business Server.

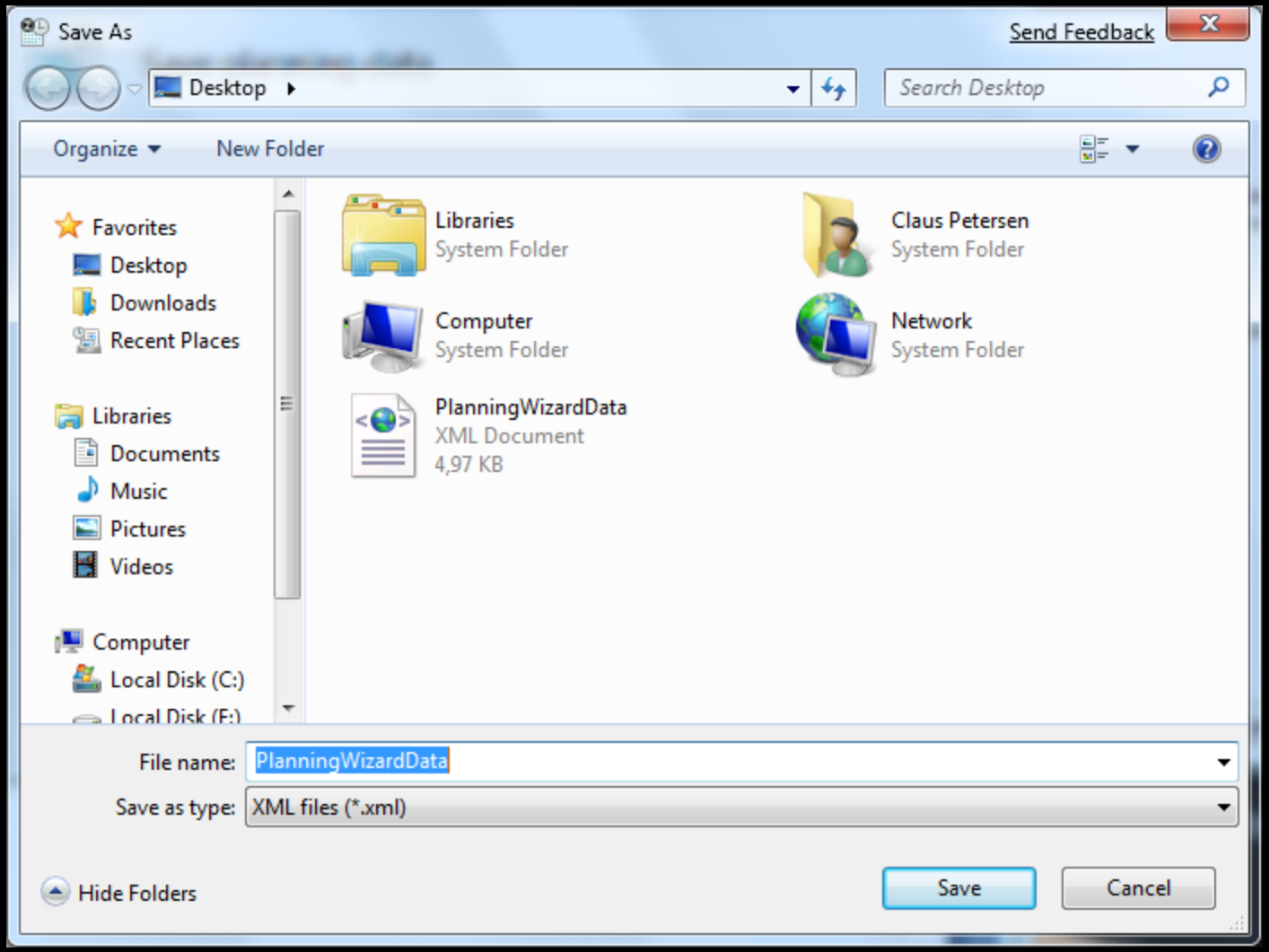


1 Security Server	2 Management Server	3 Messaging Server
Internal IP address:	IP address:	IP address:
192.168.1.1	192 . 168 . 1 . 10	192 . 168 . 1 . 11
Server name:	Server name:	Server name:
EBSSEC	EBSMGT	EBSMESS

For help with planning these network settings, see the Preparation and Planning Guide.

< Previous | Next > | Finish | Cancel


Windows® Essential Business Server Planning
Save planning data
Before you begin
Install updates
Confirm network topo...
About your firewall
Plan network firewall
Plan firewall addresses
Record firewall rules
Plan RWW and SAN
Plan network settings ...
Save planning data
Finish
The data that is collected in this wizard is required to deploy Windows Essential Business Server.
Save the planning data to an XML file. The file is required when you install Windows Essential Business Server. It is recommended that you copy the XML file to portable storage media, such as a USB drive.
Save...
Open the Planning Wizard Report, which contains your planning information and guidance to install Windows Essential Business Server. Save and print this report for reference.
Open report...
< Previous
Next >
Finish
Cancel


Save As
Send Feedback
Desktop
Search Desktop
Organize
New Folder
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
Libraries
System Folder
Claus Petersen
System Folder
Computer
System Folder
Network
System Folder
PlanningWizardData
XML Document
4,97 KB
File name:
PlanningWizardData
Save as type:
XML files (*.xml)
Hide Folders
Save
Cancel

C:\Windows Essential Business Server\Wizards\Data\PlanningReport.htm - Internet Explorer provided by
Send Feedback
C:\Windows Essential Business Server\Wizards\Data\PlanningReport.htm
Live Search
Favorites
Get More Add-ons
Customize Links
Microsoft Virtualization
Optimization
Security Community
Suggested Sites
Terminas Services Pilot
WWE – Startside – Ikke go...
C:\Windows Essential Business Server\Wizards\D...
Page
Safety
Tools

Planning Wizard Report

Version 6.0.5700.0, completed 29-01-2009

Windows Essential Business Server

You completed Step 1: Preparation Wizard and Step 2: Planning Wizard of your Windows Essential Business Server deployment.

This report contains the data that you collected in the Planning Wizard. Use this data to help complete the installation of the servers (Steps 3, 4, and 5) and the configuration and migration tasks (Step 6). Begin installation within 30 days.

Guidance in this report is based on your network type:

Single-subnet network

Before you continue

Download Windows Essential Business Server Installation (http://go.microsoft.com/fwlink?LinkId=117271) for step-by-step installation instructions.

Obtain product keys for Windows EBS and purchase client access licenses (CALs) for network users or devices.

Step 3: Management Installation

You plan to create a new Active Directory forest and domain for Windows EBS. When prompted by the Management Server Installation Wizard, provide the XML file that you saved in the Planning Wizard.

In the Management Server Installation Wizard, assign the following permanent names and IP addresses to the servers for Windows EBS. The server names cannot be changed after they are assigned.

Server	Name	IP Address	Subnet Mask	Default Gateway
Management	EBSMGT	192.168.1.10	255.255.255.0	192.168.1.1
Security	EBSSEC	192.168.1.1	255.255.255.0	n/a
Messaging	EBSMESS	192.168.1.11	255.255.255.0	192.168.1.1

Note: The Installation Wizard also needs to assign a temporary IP address to each server to download updates from Microsoft Update. For these temporary connections, use either a DHCP-assigned address or a static IP address that is valid for your network. For more information, see the Installation Guide.

You plan to replace your existing firewall device with the Security Server.

Step 4: Security Installation

When prompted by the Security Server Installation Wizard, remove your existing firewall device from the network and integrate the Security Server. For more information, see the Installation Guide.

You need physical access to your firewall device to integrate the Security Server into your network.

Assign the following permanent IP address settings to the external network adapter and the internal network adapter of the Security Server.

Done
Computer | Protected Mode: Off
100%

C:\Windows Essential Business Server\Wizards\Data\PlanningReport.htm - Internet Explorer provided by
Send Feedback
C:\Windows Essential Business Server\Wizards\Data\PlanningReport.htm
Live Search
Favorites
Get More Add-ons
Customize Links
Microsoft Virtualization
Optimization
Security Community
Suggested Sites
Terminas Services Pilot
WWE – Startside – Ikke go...
C:\Windows Essential Business Server\Wizards\D...
Page
Safety
Tools

Step 4: Security Installation

When prompted by the Security Server Installation Wizard, remove your existing firewall device from the network and integrate the Security Server. For more information, see the Installation Guide.
You need physical access to your firewall device to integrate the Security Server into your network.
Assign the following permanent IP address settings to the external network adapter and the internal network adapter of the Security Server.

External IP Address	Subnet Mask	Default Gateway
DHCP-assigned	DHCP-assigned	DHCP-assigned

Internal IP Address	Subnet Mask
192.168.1.1	255.255.255.0

Step 5: Messaging Installation

In the Messaging Server Installation Wizard, confirm the permanent IP address settings for the internal network adapter. You assigned this address when you installed the Management Server.

IP Address	Subnet Mask	Default Gateway
192.168.1.11	255.255.255.0	192.168.1.1

Step 6: Configuration and Migration Tasks

After you install the servers for Windows EBS, complete the configuration and migration tasks that make your network fully functional. The Guided Configuration and Migration Tasks page on the Management Server provides guidance for completing these tasks. Use the following planning data to help complete some tasks.

Configure subnets

Use the following information to configure subnet settings in Forefront Threat Management Gateway on the Security Server.

Default Gateway	Subnet Mask	VPN	Connection Speed
192.168.1.1	255.255.255.0	No	DSL/Broadband/T1/LAN (>=256 kbps)

Configure firewall rules

Use the following information to re-create your firewall rules in Forefront Threat Management Gateway on the Security Server. If you exported your existing firewall rules, refer to the data that you exported.

Name	Action	Port	From	To

Configure certificate settings for Remote Web Workplace

Follow the guidance in the Guided Configuration and Migration Tasks page to configure a public SSL certificate for Remote Web Workplace.
You should obtain a certificate from a trusted issuer for the Remote Web Workplace URL (for example, remote.adventure-works.com). As an advanced option, you can use the default private certificate

Done
Computer | Protected Mode: Off
100%

C:\Windows Essential Business Server\Wizards\Data\PlanningReport.htm - Internet Explorer provided by
Send Feedback
C:\Windows Essential Business Server\Wizards\Data\PlanningReport.htm
Live Search
Favorites
Get More Add-ons
Customize Links
Microsoft Virtualization
Optimization
Security Community
Suggested Sites
Terminas Services Pilot
WWE – Startside – Ikke go...
C:\Windows Essential Business Server\Wizards\D...
Page
Safety
Tools

IP Address	Subnet Mask	Default Gateway
192.168.1.11	255.255.255.0	192.168.1.1

Step 6: Configuration and Migration Tasks

After you install the servers for Windows EBS, complete the configuration and migration tasks that make your network fully functional. The Guided Configuration and Migration Tasks page on the Management Server provides guidance for completing these tasks. Use the following planning data to help complete some tasks.

Configure subnets

Use the following information to configure subnet settings in Forefront Threat Management Gateway on the Security Server.

Default Gateway	Subnet Mask	VPN	Connection Speed
192.168.1.1	255.255.255.0	No	DSL/Broadband/T1/LAN (>=256 kbps)

Configure firewall rules

Use the following information to re-create your firewall rules in Forefront Threat Management Gateway on the Security Server. If you exported your existing firewall rules, refer to the data that you exported.

Name	Action	Port	From	To

Configure certificate settings for Remote Web Workplace

Follow the guidance in the Guided Configuration and Migration Tasks page to configure a public SSL certificate for Remote Web Workplace.

You should obtain a certificate from a trusted issuer for the Remote Web Workplace URL (for example, remote.adventure-works.com). As an advanced option, you can use the default private certificate issued by Windows EBS.

Install and assign client access licenses

Follow the guidance in the Guided Configuration and Migration Tasks page to install Windows EBS CAL packs and to assign the CALs to the users and devices in the domain. Install and assign CALs within 30 days of installation of the servers for Windows EBS. After 30 days, users who are not licensed to access the network cannot log on to the network.

Additional resources

To complete the deployment of Windows EBS, or for additional guidance, refer to the following resources.

Windows Essential Business Server Technical Library (http://go.microsoft.com/fwlink/?LinkId=77645)
Windows Essential Business Server TechCenter (http://go.microsoft.com/fwlink/?LinkId=111254)
Windows Essential Business Server Team Blog (http://go.microsoft.com/fwlink/?LinkId=115588)
Windows Essential Business Server Evaluation Center (http://go.microsoft.com/fwlink/?LinkId=122084)

Done
Computer | Protected Mode: Off
100%

Windows® Essential Business Server Planning

Finish

- Before you begin
- Install updates
- Confirm network topo...
- About your firewall
- Plan network firewall
- Plan firewall addresses
- Record firewall rules
- Plan RWW and SAN
- Plan network settings ...
- Save planning data
- Finish

You collected all the information that you need to deploy Windows Essential Business Server. You are ready to start installing Windows Essential Business Server. You will refer to your Planning Wizard Report during the installation.

To continue, click Close. Then insert Disc 2 into the computer that you will use as the Windows Essential Business Server Management Server.

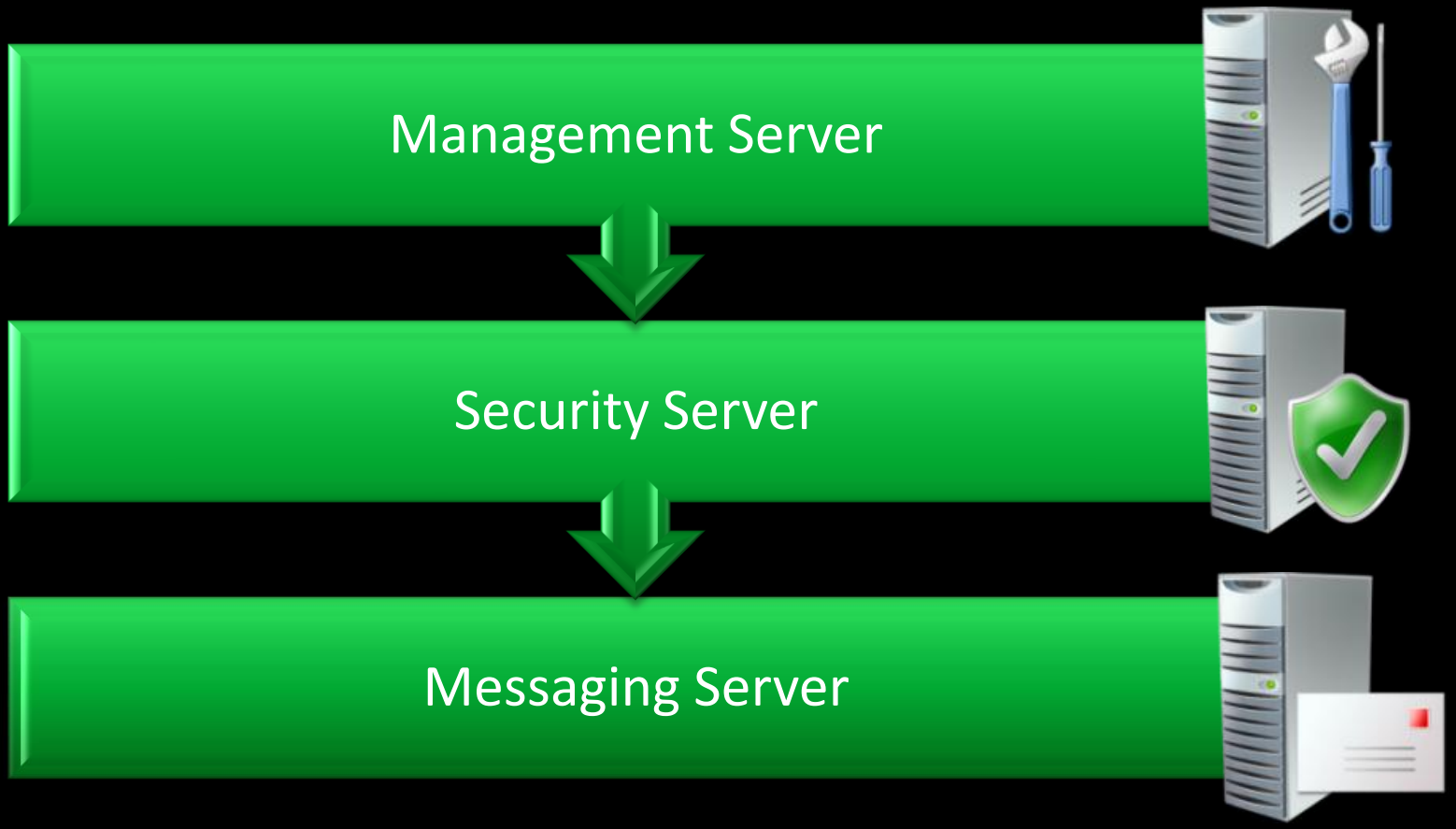
Download the Windows Essential Business Server Installation Guide from the Microsoft Web site.

< Previous | Next > | Finish | Close

Installing Windows Essential Business Server 2008

- Installing the Management Server
- Installing the Security Server
- Installing the Messaging Server
- Installing the Troubleshooting Tool

Installation Sequence of Windows Essential Business Server 2008



Windows EBS Installation Wizard

Checks the existing environment for potential compatibility issues

Assists making required changes to the existing environment

Installs Windows Essential Business Server sequentially on three servers

Performs initial configuration that:

- Joins Active Directory Domain Services domain or creates a new Active Directory Domain Services forest and domain
- Establishes Internet access
- Downloads the latest security updates
- Secures servers running Windows Essential Business Server

Network Operation & Security During Installation

Installation process minimizes interruptions and demands on current network services

Installation Wizard explains when these outages occur and what processes take place when they happen

Server roles are updated with current security updates during installation

Installing the Management Server

Management Server Installation Summary

Application, Roles and Services installed

- Active Directory components
- Certificate services
- Domain Name System (DNS) service
- DHCP Server service (optional installation)
- Exchange Server management tools
- File Server role
- Threat Management Gateway (formerly called ISA Server) management tools
- Internet Information Services (IIS)
- Microsoft® SQL Server® Express
- Microsoft® System Center Essentials
- Network Protection service
- Print Server role
- Remote Assistance optional component
- Terminal Services RemoteApp™
- Windows Server® 2008
- Windows Essential Business Server Administration Console
- Windows Essential Business Server licensing service
- Windows Server Update Services (WSUS—installed as a component of System Center Essentials)

Management Server Installation Summary

Network Status

- Management Server is assigned a name and a static IP address
- Active Directory is configured in one of the following two options:
  - Management Server is joined to an existing Active Directory domain as a domain controller
  - Management Server is the domain controller for a new domain in a new forest
- DNS is configured in one of the following two options:
  - Management Server is the preferred DNS server
  - existing DNS server is the preferred DNS server, and the Management Server is the alternate DNS server
- Management Server DHCP scope is defined, if selected as an option
- Windows Essential Business Server DHCP service is started, if selected as an option
- Management Server internal adapter points to the network default gateway
- Windows Firewall service on the Management Server configured with default firewall exceptions for Windows Essential Business Server.

Installing the Security Server

Security Server Installation Summary

Applications, Roles and Services installed

- Active Directory Lightweight Directory services
- Exchange Server Edge transport
- Exchange Intelligent Message filter
- Threat Management Gateway
- Remote Web Workplace
- Routing and remote access service
- System Center Operations Manager agent
- SQL Server Express (required for Threat Management Gateway logging)
- Windows Server 2008

Security Server Installation Summary

Network status

- Security Server is assigned a name and a static IP address
- Security Server is joined to the selected Active Directory domain
- Windows Firewall on the Security Server is configured with Windows Essential Business Server default firewall exceptions
- Security Server is established as the default gateway for the network
- Security Server provides firewall and other security roles to the network
- A previous gateway device is reconfigured to be an additional firewall between the Security Server and the Internet, if chosen as an option. If not chosen to retain previous gateway device, it is decommissioned.
- Default Threat Management Gateway publishing rules are configured
- E-mail is forwarded to the existing e-mail server, if specified
- Exchange Server Connector settings are configured

Installing the Messaging Server

Messaging Server Installation Summary

Applications, Roles and Services installed

- Domain Name System (DNS) Server service
- Exchange Server 2007 Client Access Server (CAS), Mailbox (MBX), and Hub Transport (HUB) roles
- Microsoft® Forefront™ Security for Exchange Server
- Internet Information Services (IIS)
- Network Policy Server (NPS)
- Operations master roles:
  - Domain naming master
  - Infrastructure master
  - Primary Domain Controller (PDC) Emulator
    Note This role is not moved immediately during installation. It is transferred after Windows Essential Business Server has been running for several hours.
  - Relative ID master
  - Schema master
- Terminal Services Gateway
- System Center Operations Manager agent
- Windows Essential Business Server licensing service
- Windows Server 2008

Messaging Server Installation Summary

Network status

- Messaging Server is assigned a name and a static IP address
- Messaging Server is joined to the selected Active Directory domain
- Messaging Server is a domain controller and a Global Catalog server
- Messaging Server is set as the alternate DNS server
- Data from the existing domain is replicated to the Messaging Server. The replicated data includes the following:
  - Active Directory schema
  - Active Directory data
  - Integrated DNS data
  - SYSVOL data
- internal network adapter points to the network default gateway
- Exchange Server Connectors point to Threat Management Gateway for e-mail routing
- All operations master (also known as flexible single master operations or FSMO) roles are transferred to the Messaging Server
- Windows Firewall on the Messaging Server is configured with the Windows Essential Business Server default firewall exceptions

Installing the Troubleshooting Tool

Accessing Windows Server 2008 During Installation

Press SHIFT + F10

- Type control [ENTER] (Control Panel)
- Type devmgmt.msc [ENTER] (Device Manager)
- Type ISCSIcli.exe [ENTER] (Connect to SAN)
- Type explorer [ENTER] (Windows Explorer)
- Type cmd [ENTER] (Command Prompt)

BE PATIENT

- Any extraneous setup or configuration before Installation Wizard finishes risks an installation failure

Resolving and Avoiding Installation Problems

Recover from Installation Errors

- Correct and Retry
- Restart Failed Server Installation
  - Bare Metal Installation (Format and Restart)

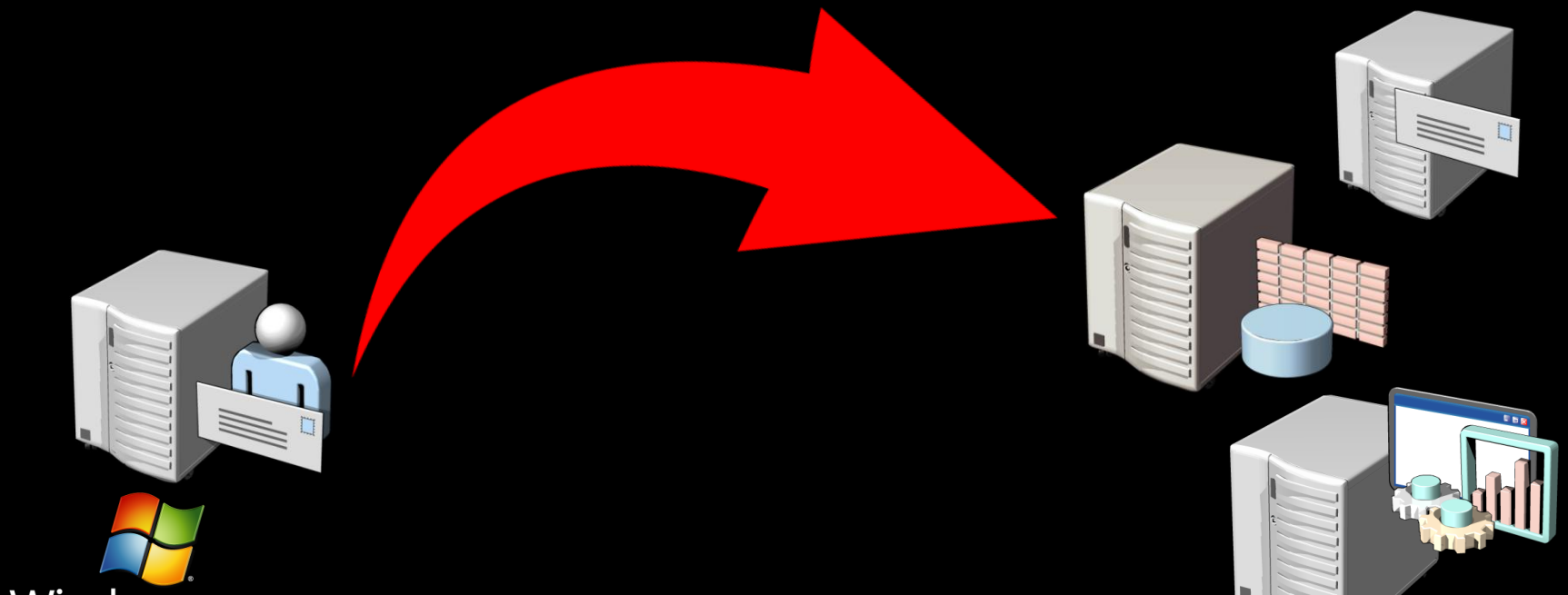
AVOID Installation Errors

- Set BIOS Clock On All Servers Before Starting
- Leave Active Directory and DNS Alone During Installation
- Use Preparation and Planning Wizards

Installation Walkthrough

12 hidden slides following…

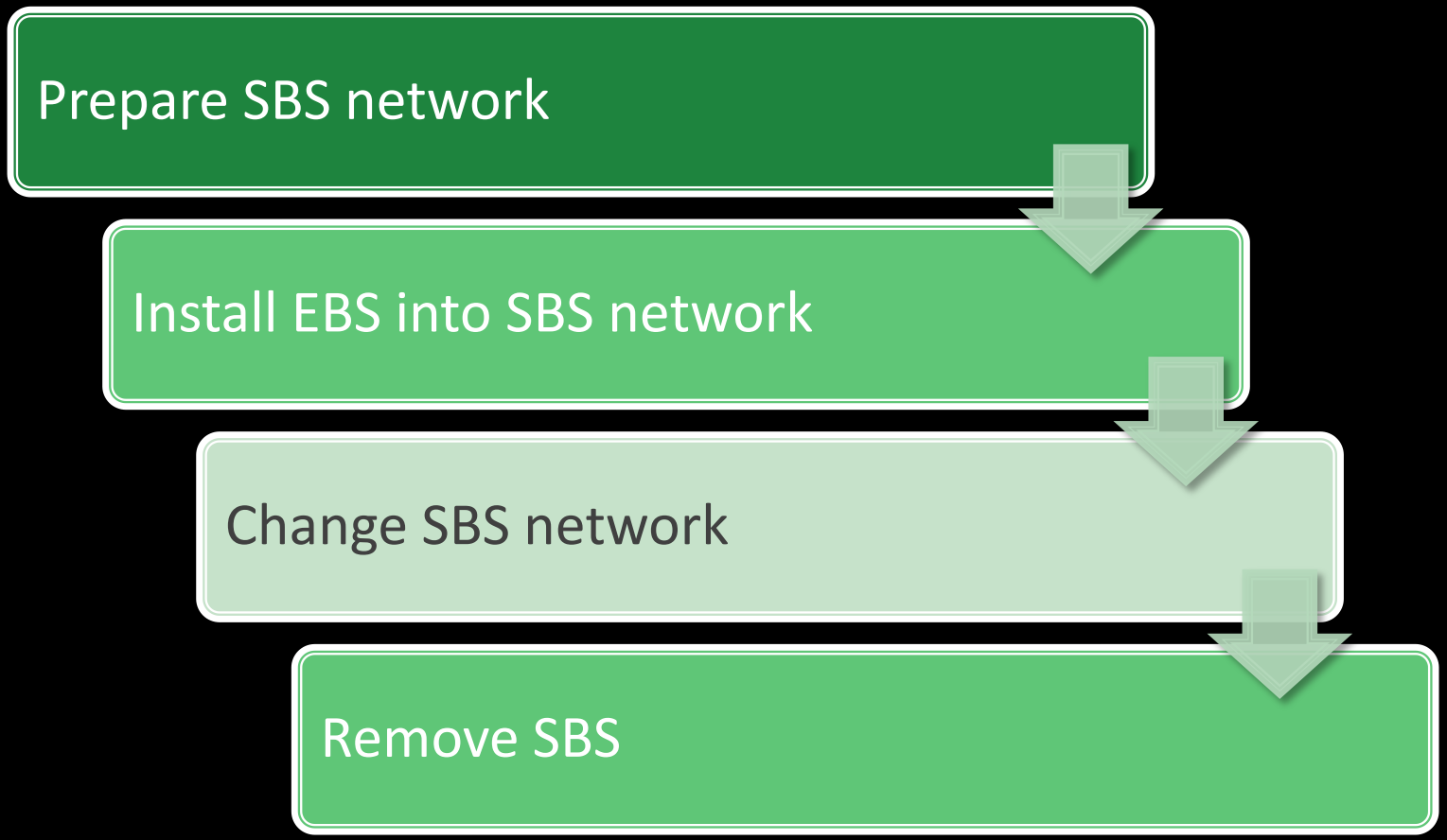
Migrate to Windows EBS 2008



Windows Small Business Server 2003 R2

Windows Essential Business Server 2008

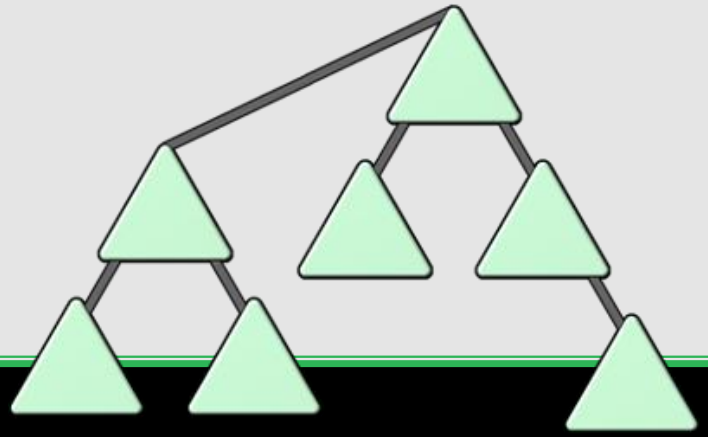
Migration Phases

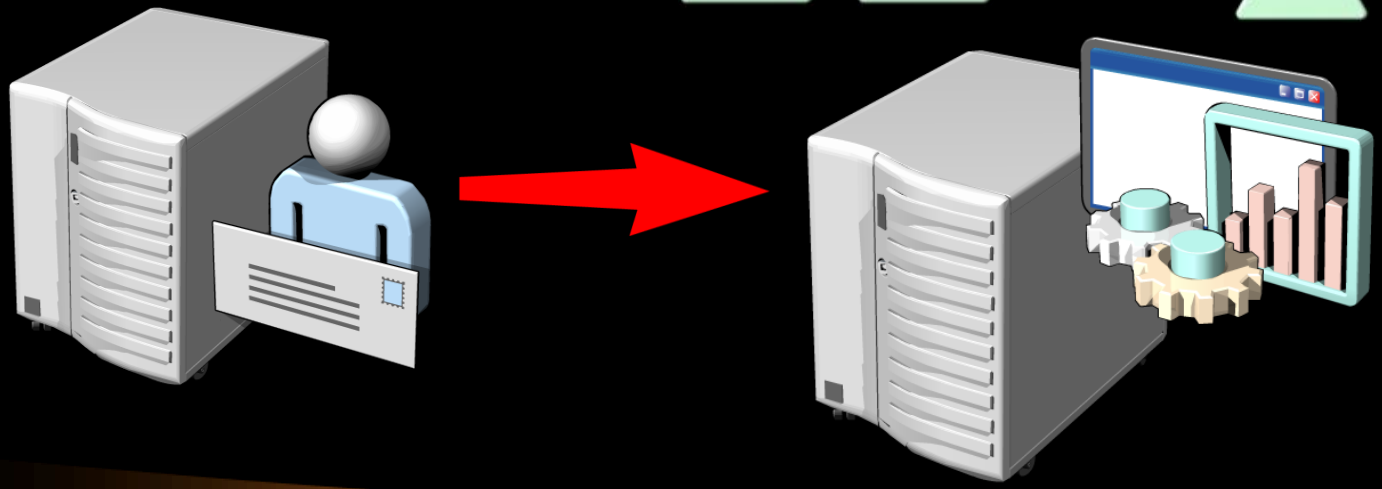


Join the Existing SBS Active Directory

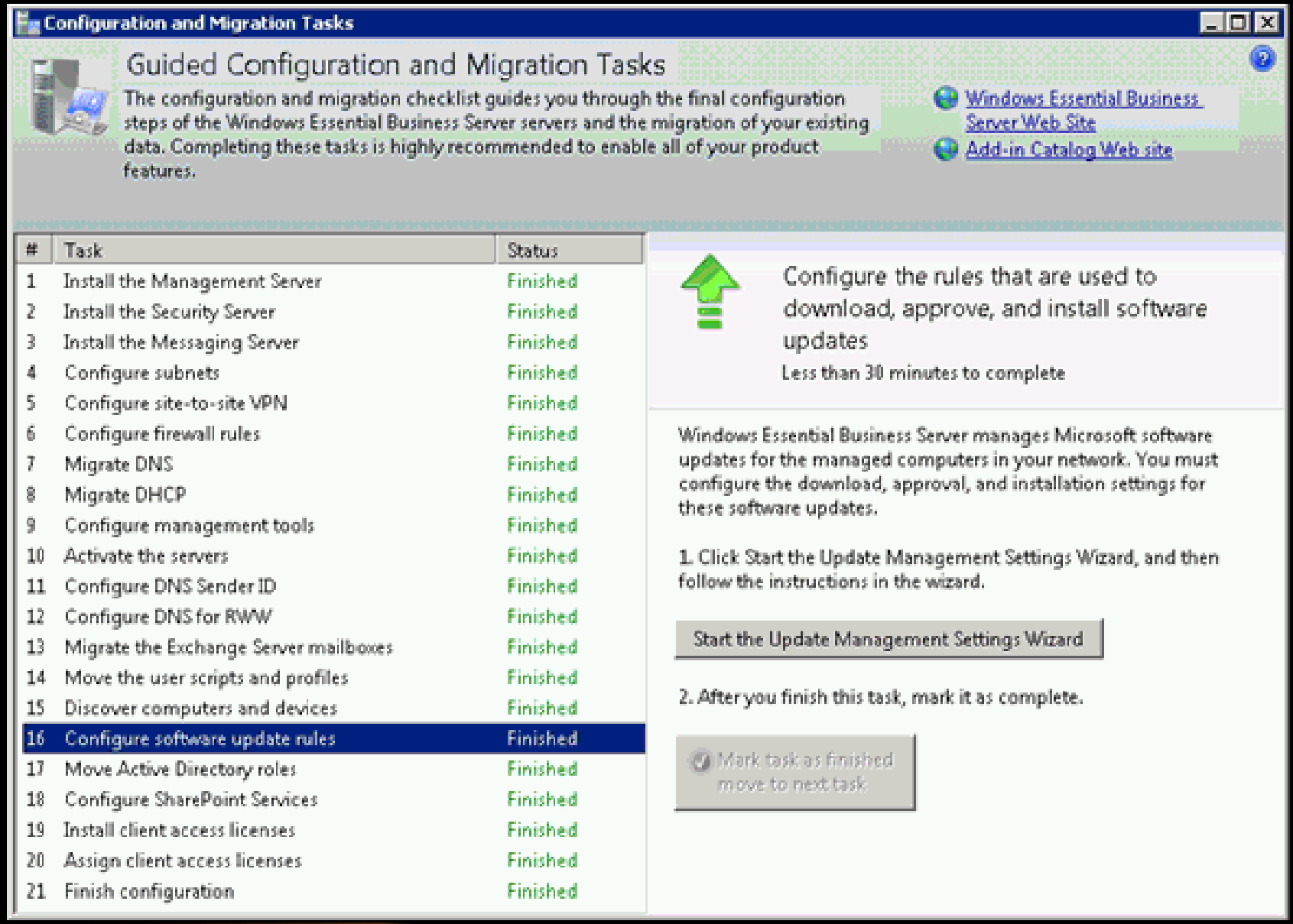
Essential Business Server joins the SBS Active Directory

- Transfers FSMO roles
- Security Server becomes firewall
- Management Server becomes
  - DNS Server
  - DHCP Server





Migration Tasks



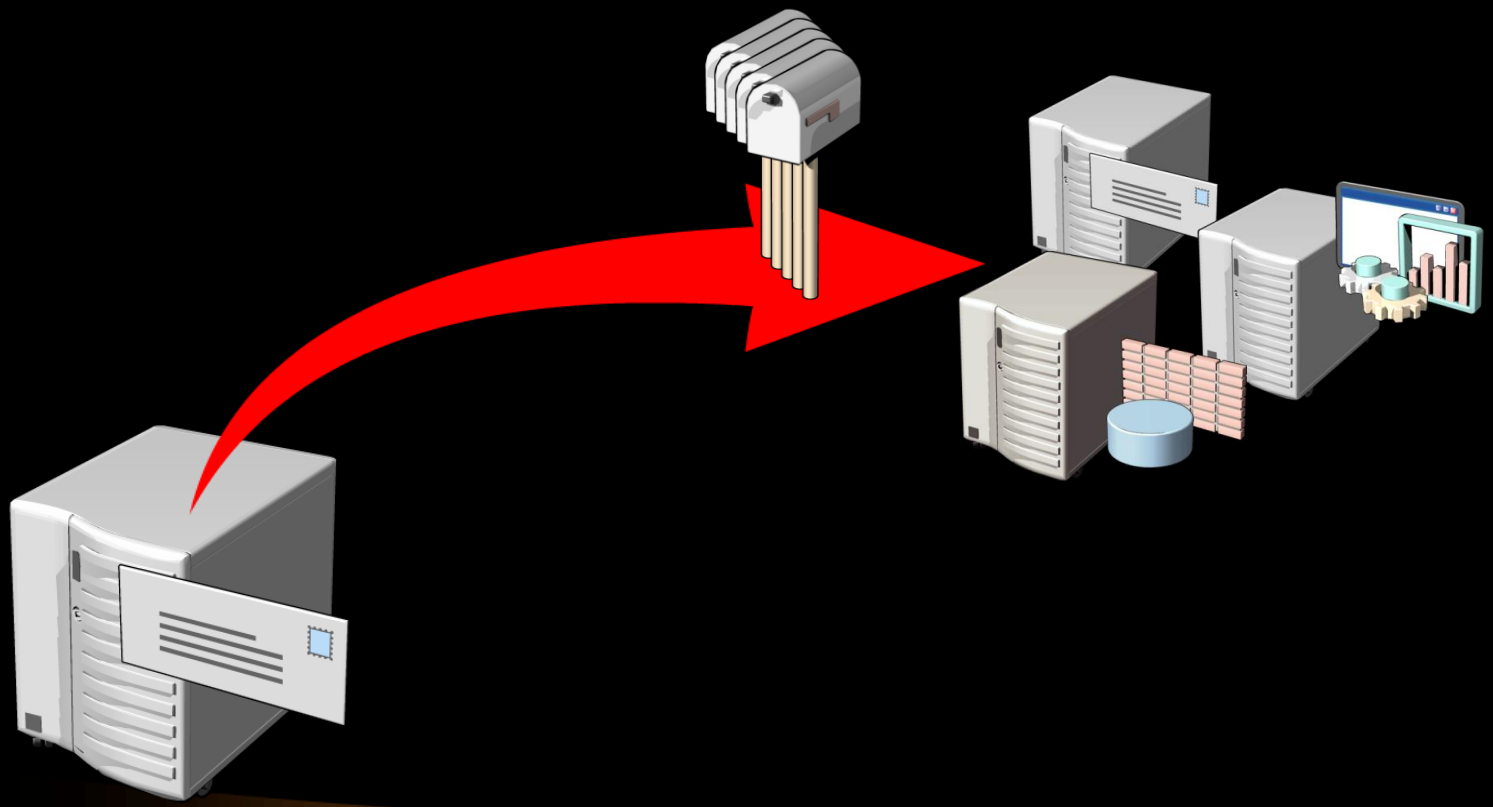
DNS Server Migration To Essential Business Server

Migrate DNS

- Prepare old DNS Server
  - Install DNS Server on Management Server
  - Install DNS on Messaging Server
- Modify DNS settings for EBS Servers
  - Remove old DNS Server when you are ready
    - Verify the migration

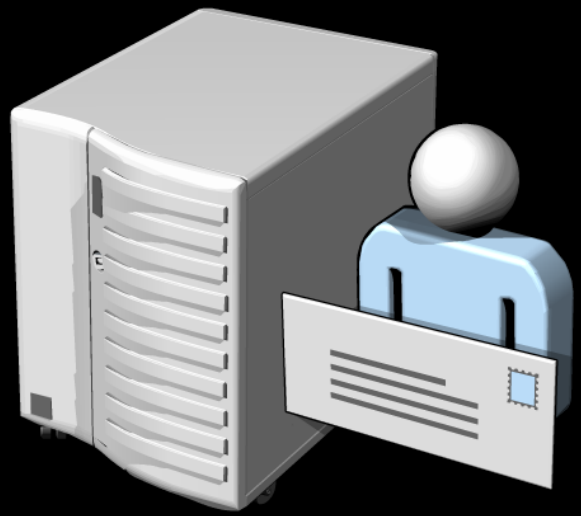
Migrating Microsoft Exchange Server

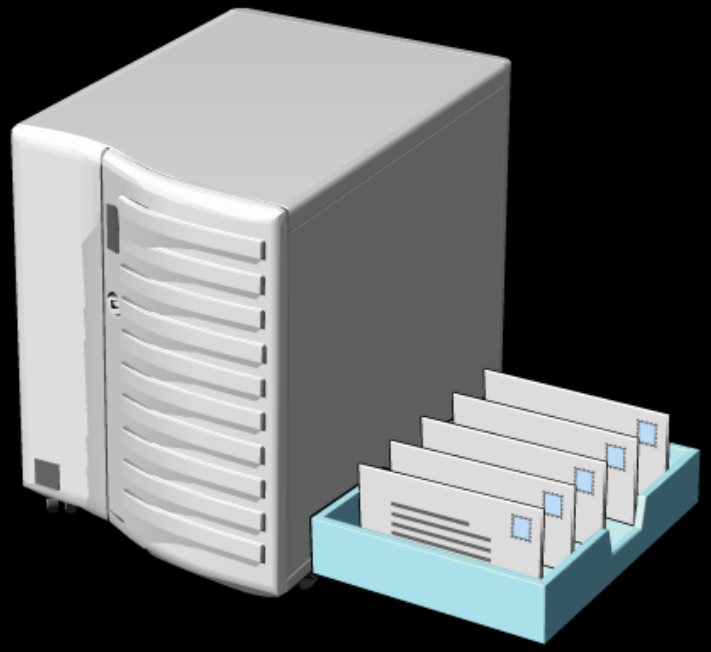
- Migrating Exchange Server to Essential Business Server gives access to Exchange Server 2007 enhanced features.



Migrate Exchange Server to Essential Business Server

Move mailboxes → Move offline address book generation → Replicate public folders → Verify The migration*



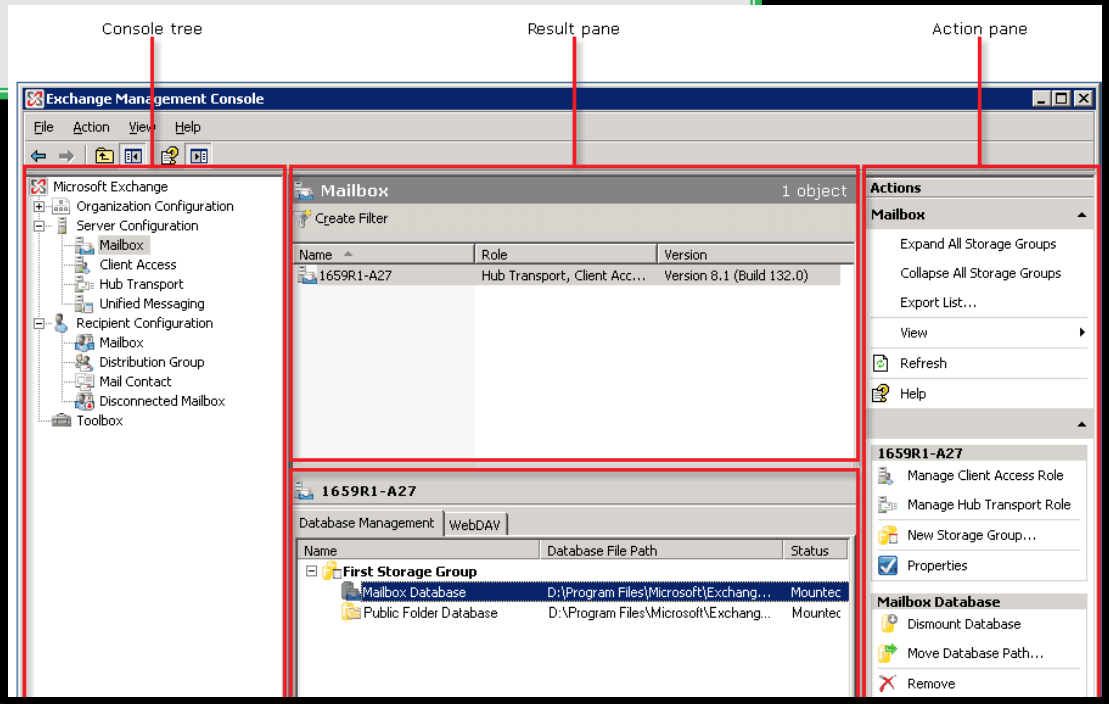


*Wait several weeks to decommission old Exchange Servers

Move Mailboxes and Public Folders to EBS Messaging Server

Exchange Management Console

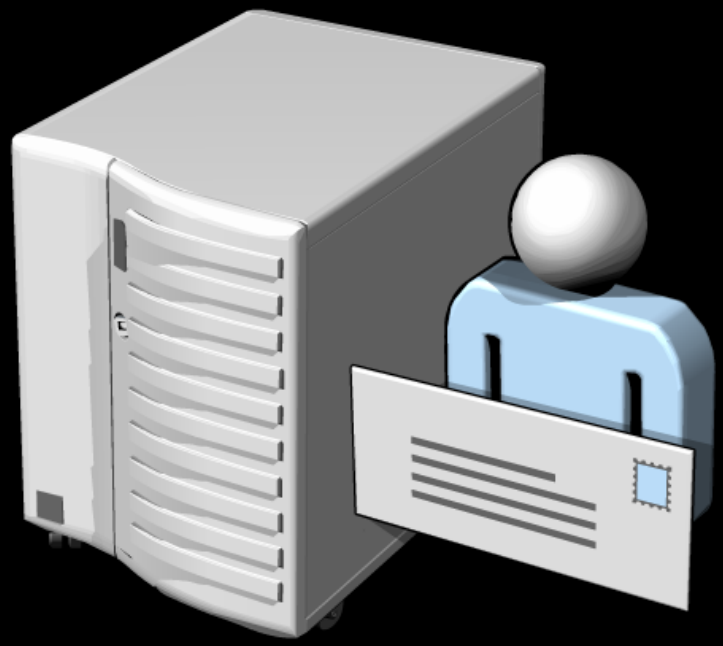
- Can move mailboxes
- Set quarantined mail and skipped mail options
- No interruption of service



Decommission Existing Exchange Servers

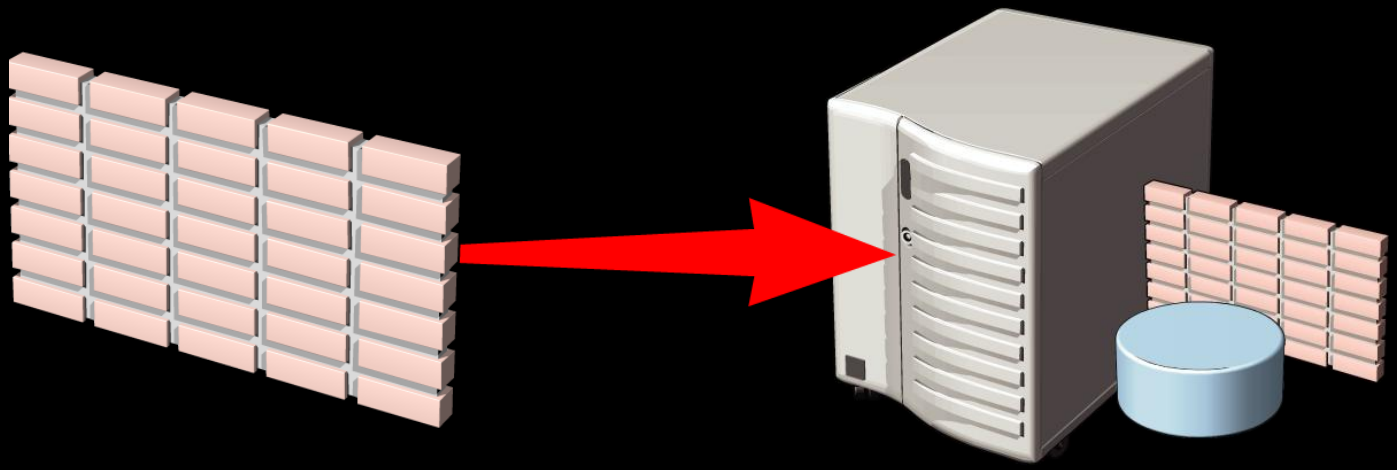
Don’t Hurry

- Wait several weeks
- All clients running Microsoft® Office Outlook® need to contact the new server before the old one is removed
- DISABLE Exchange Services on old server and check for user issues
- Leave Exchange Services down on old server for a couple of days
- Unplug old server from network, but leave intact
- After a week unplugged, can reformat/repurpose old server



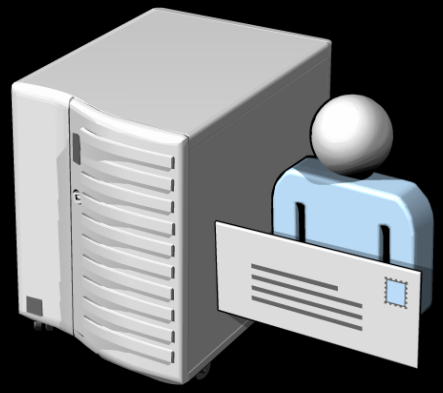
Migrating Firewall

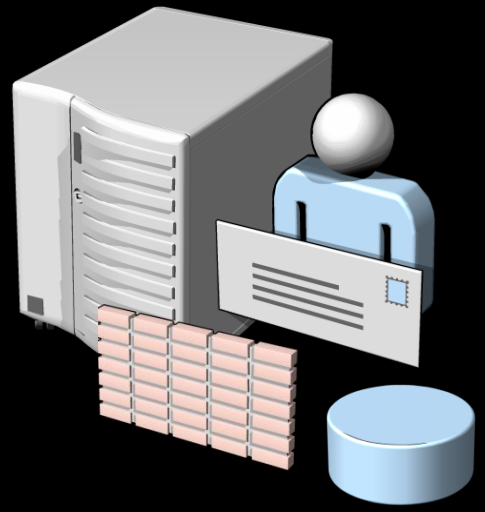
Thorough planning will minimize downtime and reduce risk of exposure or mis-configuration

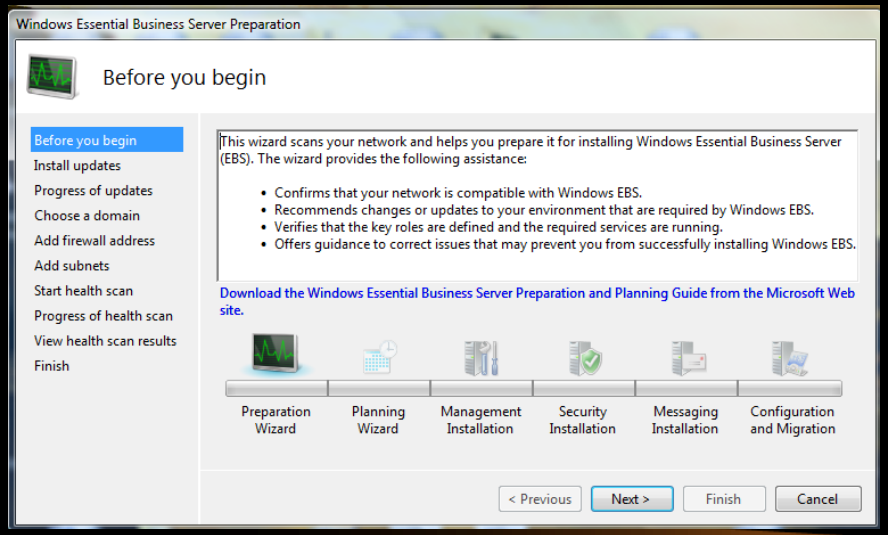


Migrating from ISA Server 2004

When migrating from Windows SBS 2003 R2 Premium Edition, updates are required for ISA Server 2004



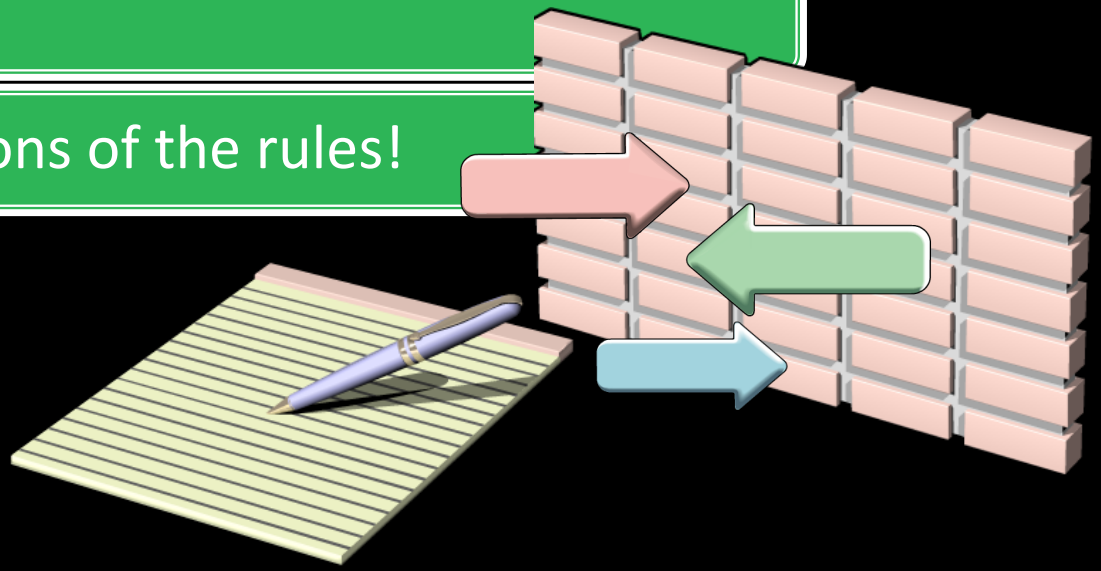




Running ISA 2004
requires ISA 2004 SP3

Document and Review Existing Firewall Rules

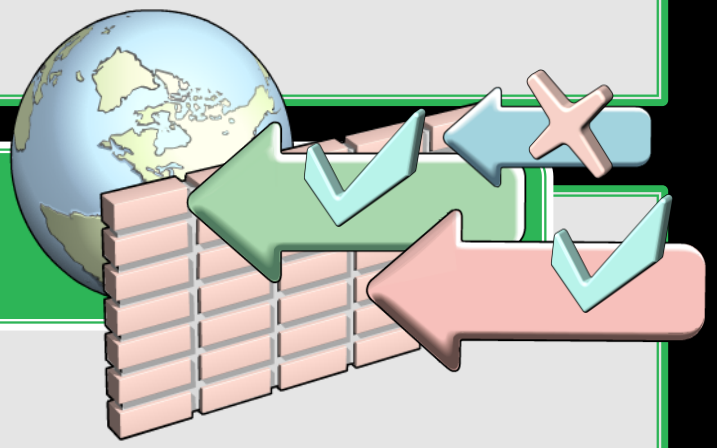
- Export options typically aren’t very useful
- Print
- Screenshot
- Handwritten
- Be sure to include directions of the rules!



Configuring Firewall Rules Using Forefront Threat Management Gateway

Essential Business Server Installation Wizard publishes certain default rules

- Allow Remote Web Workplace
- Allow Office Outlook Web Access



Configure additional rules

- Publishing Rule Wizard
- New server Publishing Wizard
- Forefront Threat Management Gateway Console

Migrating Windows Server Update Services (WSUS)

Should Windows Software Update Services be migrated?

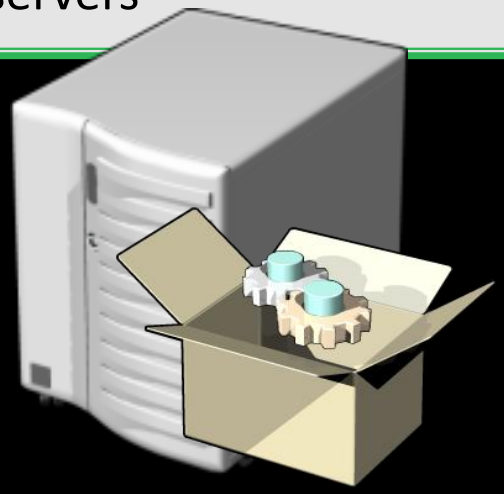
It’s optional, so decide if the time and cost are worth it.

Migrate to preserve WSUS configuration

Migrating Application Servers

Considerations for running line-of-business (LOB) applications

- No changes are required to existing LOB servers
- Premium edition includes an additional copy of Windows Server 2008 Standard and SQL Server 2008 Standard that can be used to run LOBs
- LOBs cannot run on any of the three core EBS servers



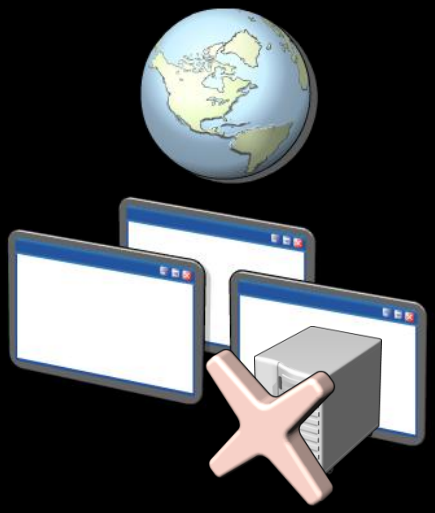
Removing Unnecessary Servers

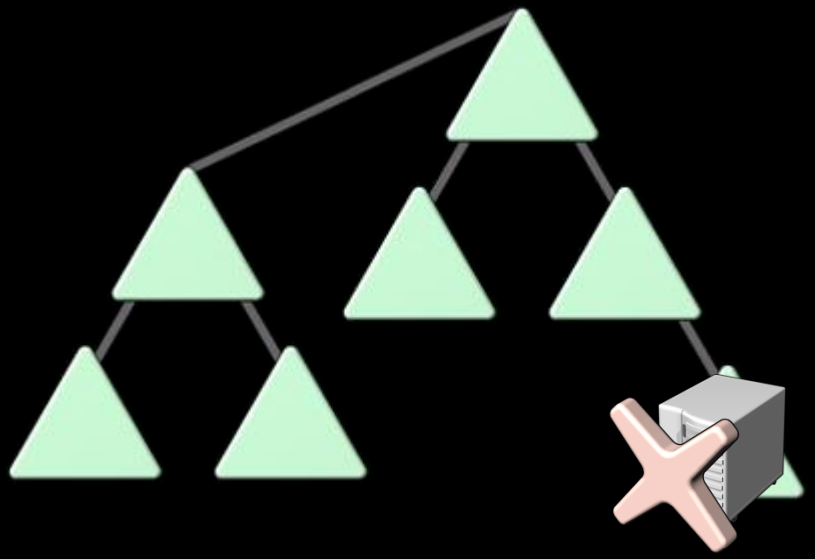
Be sure to remove servers completely from the EBS Network Infrastructure Services

This includes DNS, Active Directory and DHCP

- Look for address reservations

DCPROMO down DCs that are no longer required/desired

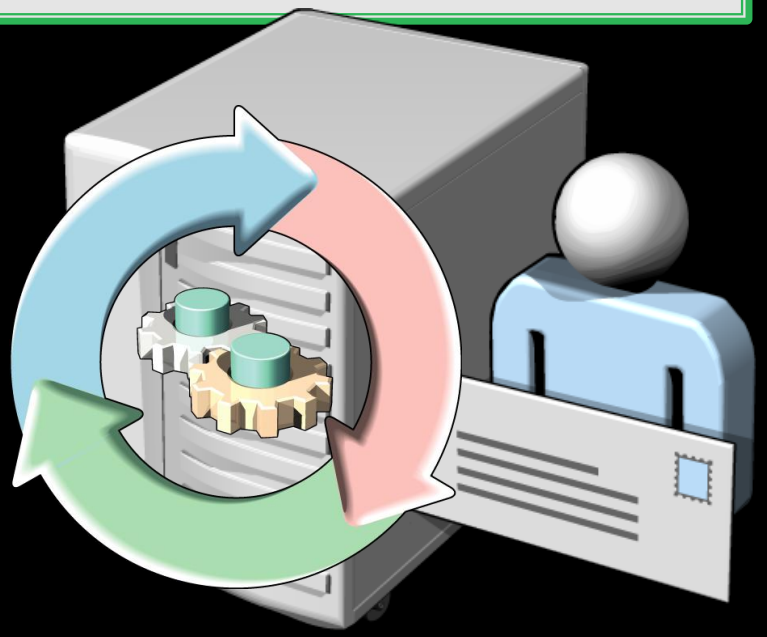




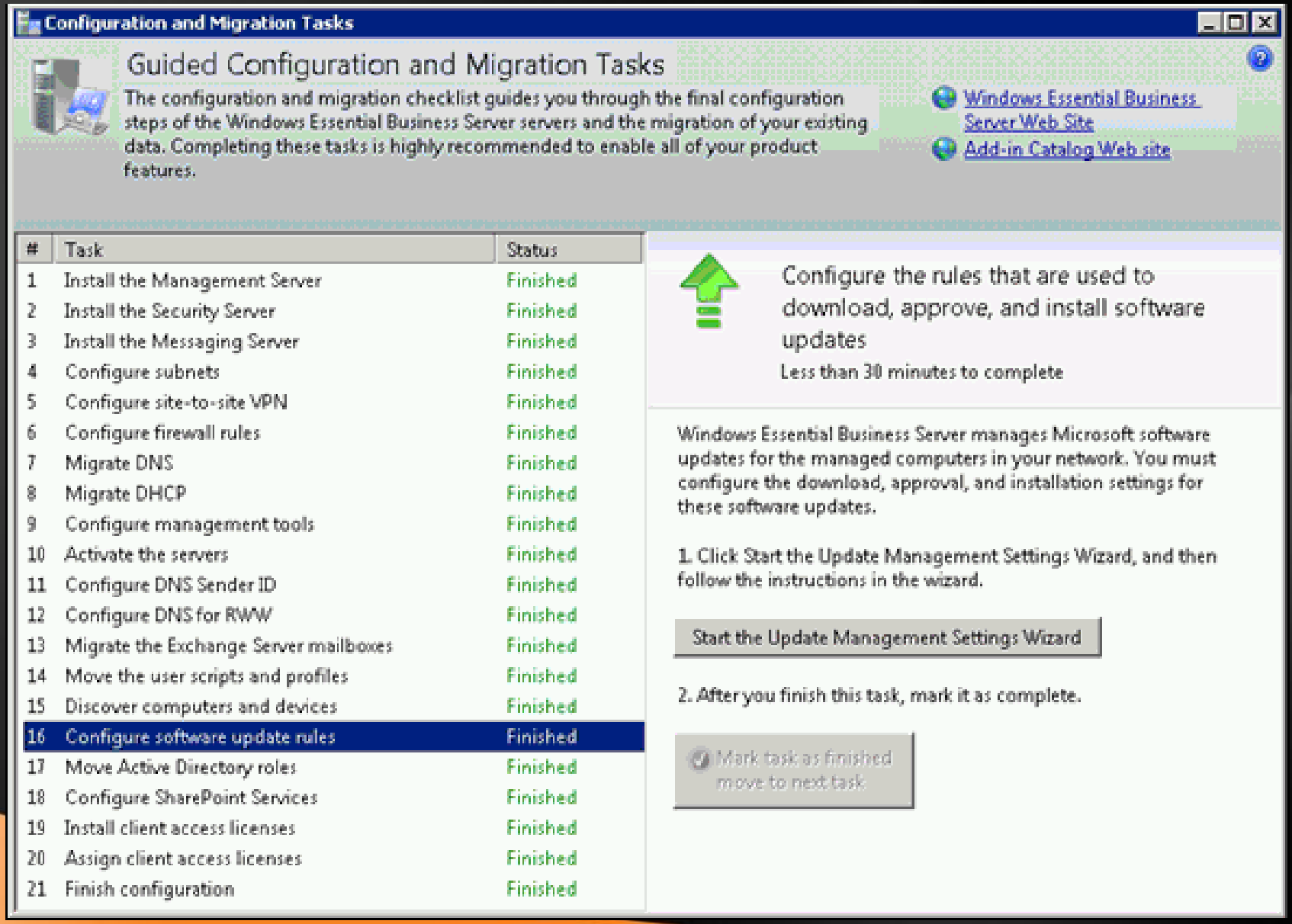
Demote Unnecessary Domain Controllers

Use DCPROMO to demote extra domain controllers

- Small Business Server must be removed within 7 days or it endlessly reboots
- Option to extend time to 21 days



Migration Tasks



Summary

- Planning and Preparation Wizards
- Installing Windows EBS 2008
  - See hidden slides
- Migration

Digitalen

- 27. feb: Del 2 - Daglig Drift
- 17. apr: Del 3 - Integration af drifts- og forretningsapplikationer

- Kalenderdatoer og tilmelding her

Resources (Partner)

- MSPP Windows Essential Server Solutions
  https://partner.microsoft.com/multiplyyourpower
- Windows Essential Server Solutions webcasts
  https://training.partner.microsoft.com/plc/search_adv.aspx?ssid=2ff59e1b-42b9-4802-afc1-a02fb3d5eca3

Resources

- Preparation and Planning
- Windows Essential Business Server Installation
- Guided Configuration and Migration Tasks
- Migrating Active Directory Domain Services Scripts, Roaming Profiles, Redirected Folders, and Home Directories to Windows Essential Business Server
- Migrating DHCP Server Service to Windows Essential Business Server
- Migrating the DNS Role to Windows Essential Business Server
- Migrating Microsoft Exchange Server to Windows Essential Business Server
- Migrating from Windows Small Business Server 2003 to Windows Essential Business Server
- Migrating Windows Server Update Services to Windows Essential Business Server
- Configuring Hyper-V for Windows Essential Business Server
- Kilde: http://technet.microsoft.com/en-us/library/cc463409.aspx

Resources

- Windows EBS TechNet Library
  http://technet.microsoft.com/en-us/library/cc514031.aspx
- Windows SBS TechNet Library
  http://technet.microsoft.com/en-us/library/cc527559.aspx

- The Windows SBS Official Blog
  http://blogs.technet.com/sbs/default.aspx
- The Windows EBS Official Blog
  http://blogs.technet.com/essentialbusinessserver/default.aspx
- Nick King's Blog
  http://blogs.technet.com/nking/default.aspx
- Sean Daniel's Blog
  http://sbs.seandaniel.com/

Q & A

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