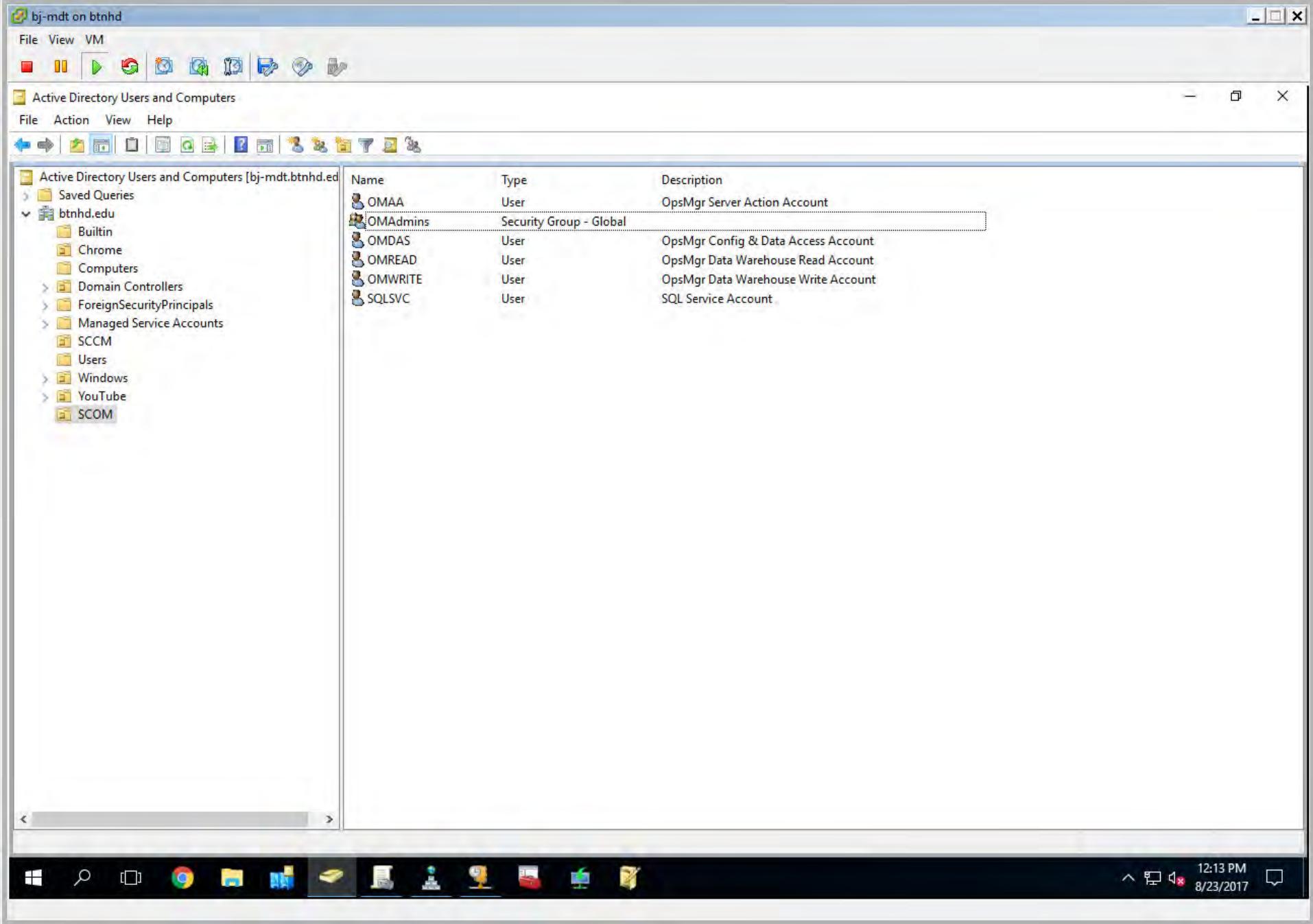


Installing & Configuring SCOM

The Server Room #022

User Accounts (AD)



Install SQL Server



SQL Server Installation Center

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Resources

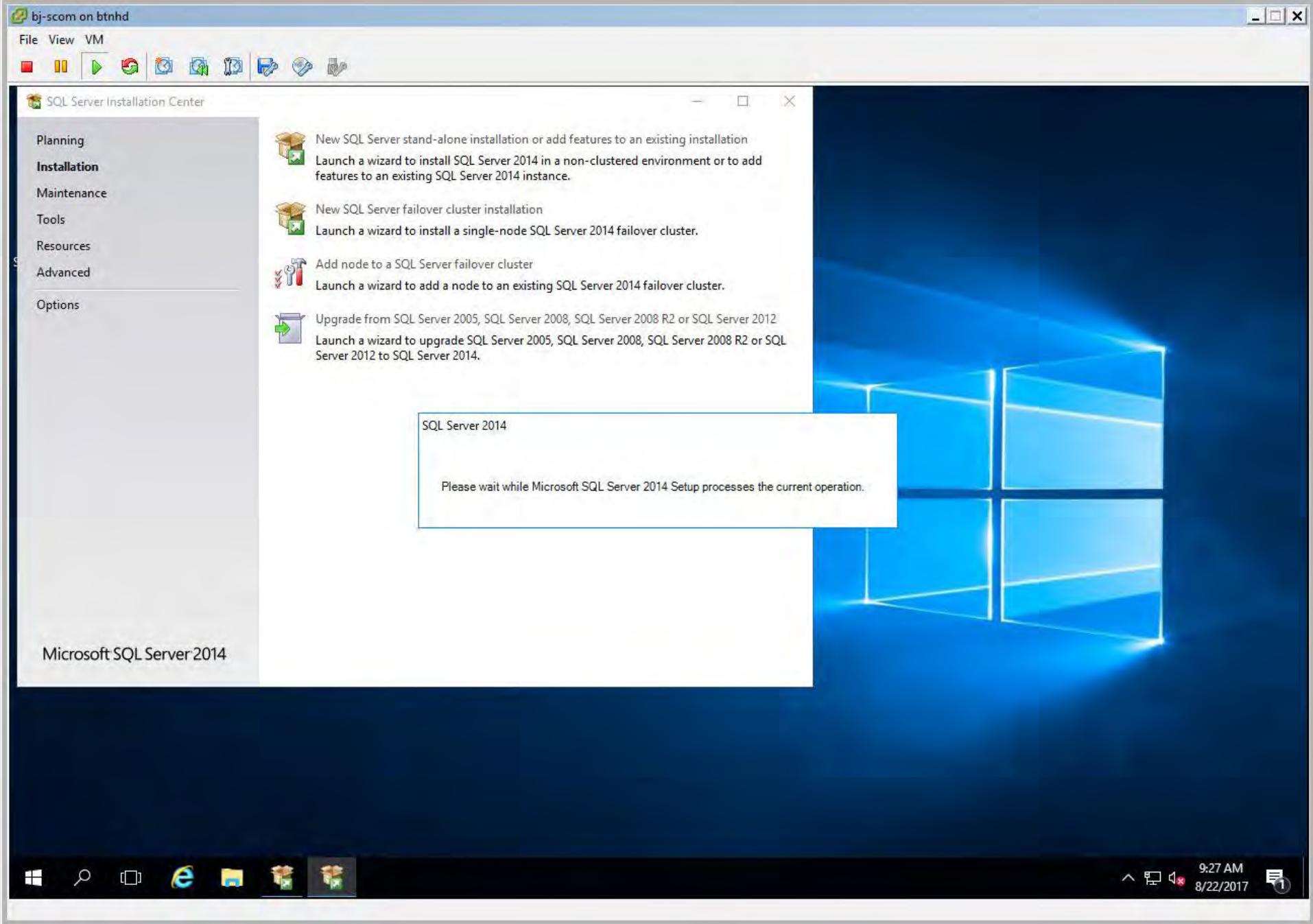
Advanced

Options

Microsoft SQL Server 2014

- [Hardware and Software Requirements](#)
View the hardware and software requirements.
- [Security Documentation](#)
View the security documentation.
- [Online Release Notes](#)
View the latest information about the release.
- [How to Get SQL Server Data Tools](#)
SQL Server Data Tools provides an integrated environment for database developers to carry out all their database design work for any SQL Server platform.
- [System Configuration Checker](#)
Launch a tool to check for conditions that prevent a successful SQL Server installation.
- [Install Upgrade Advisor](#)
Upgrade Advisor analyzes any SQL Server 2012, SQL Server 2008 R2, SQL Server 2008 or SQL Server 2005 components that are installed and identifies issues to fix either before or after you upgrade to SQL Server 2014.
- [Online Installation Help](#)
Launch the online installation documentation.
- [How to Get Started with SQL Server 2014 Failover Clustering](#)
Read instructions on how to get started with SQL Server 2014 failover clustering.
- [How to Get Started with a PowerPivot for SharePoint Standalone Server Installation](#)
Read instructions on how to install PowerPivot for SharePoint in the fewest possible steps on a new SharePoint 2010 server.





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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

Product Key

Specify the edition of SQL Server 2014 to install.

Product Key

License Terms

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Setup Role

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Validate this instance of SQL Server 2014 by entering the 25-character key from the Microsoft certificate of authenticity or product packaging. You can also specify a free edition of SQL Server, such as Evaluation or Express. Evaluation has the largest set of SQL Server features, as documented in SQL Server Books Online, and is activated with a 180-day expiration. To upgrade from one edition to another, run the Edition Upgrade Wizard.

Specify a free edition:

Evaluation

Enter the product key:

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Cancel



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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

License Terms

To install SQL Server 2014, you must accept the Microsoft Software License Terms.

Product Key

License Terms

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Setup Role

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

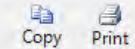
Complete

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT SQL SERVER 2014 STANDARD

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft

- updates,
- supplements,

 I accept the license terms. Turn on Customer Experience Improvement Program ("CEIP") and Error Reporting to help improve the quality, reliability and performance of Microsoft SQL Server 2014.

[See the Microsoft SQL Server 2014 Privacy Statement for more information.](#)

* Microsoft SQL Server 2014 also includes a Visual Studio component that will have CEIP settings turned off by default. If Visual Studio is installed, this component will use the CEIP settings for Visual Studio.

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

Microsoft Update

Use Microsoft Update to check for important updates

Product Key

License Terms

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Setup Role

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Microsoft Update offers security and other important updates for Windows and other Microsoft software, including SQL Server 2014. Updates are delivered using Automatic Updates, or you can visit the Microsoft Update website.

Use Microsoft Update to check for updates (recommended)

[Microsoft Update FAQ](#)

[Microsoft Update Privacy Statement](#)

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

Product Updates

Always install the latest updates to enhance your SQL Server security and performance.

Product Key

 Include SQL Server product updates

License Terms

Checking for updates...

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Setup Role

Feature Selection

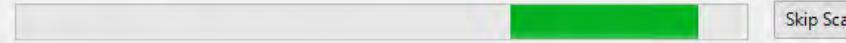
Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete



Skip Scan

[Read our privacy statement online](#)[Learn more about SQL Server product updates](#)

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance



SQL Server 2014 Setup

Install Setup Files

If an update for SQL Server Setup is found and specified to be included, the update will be installed.

Product Key

License Terms

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Setup Role

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Task	Status
Scan for product updates	Cancelled
Download Setup files	Skipped
Extract Setup files	Skipped
Install Setup files	Not started

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

Install Rules

Setup rules identify potential problems that might occur while running Setup. Failures must be corrected before Setup can continue.

- Product Key
- License Terms
- Global Rules
- Microsoft Update
- Product Updates
- Install Setup Files
- Install Rules**
- Setup Role
- Feature Selection
- Feature Rules
- Feature Configuration Rules
- Ready to Install
- Installation Progress
- Complete

Operation completed. Passed: 6. Failed 0. Warning 1. Skipped 0.

[Hide details <<](#)

[Re-run](#)

[View detailed report](#)

Rule	Status
✓ Fusion Active Template Library (ATL)	Passed
✓ Previous releases of SQL Server 2008 Business Intelligence Devel...	Passed
✓ Consistency validation for SQL Server registry keys	Passed
✓ Computer domain controller	Passed
✓ Microsoft .NET Application Security	Passed
⚠ Windows Firewall	Warning
✓ Block install when Microsoft SQL Server 2014 CTP1 is present.	Passed

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

Setup Role

Click the SQL Server Feature Installation option to individually select which feature components to install, or click a feature role to install a specific configuration.

Product Key

 SQL Server Feature Installation

Install SQL Server Database Engine Services, Analysis Services, Reporting Services, Integration Services, and other features.

 All Features With Defaults

Install all features using default values for the service accounts.

License Terms

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Setup Role

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

Feature Selection

Select the Standard features to install.

Features:	Feature description:
<input checked="" type="checkbox"/> Database Engine Services	The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Server instances can operate side-by-side on
<input type="checkbox"/> SQL Server Replication	
<input type="checkbox"/> Full-Text and Semantic Extractions for Search	
<input type="checkbox"/> Data Quality Services	
<input type="checkbox"/> Analysis Services	
<input checked="" type="checkbox"/> Reporting Services - Native	

Prerequisites for selected features:

Already installed:

- Windows PowerShell 2.0
- Microsoft .NET Framework 3.5

Disk Space Requirements

Drive C: 1902 MB required, 87334 MB available

Shared Features

- Reporting Services - SharePoint
- Reporting Services Add-in for SharePoint Pro
- Data Quality Client
- Client Tools Connectivity
- Integration Services

Select All Unselect All

Instance root directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory (x86): C:\Program Files (x86)\Microsoft SQL Server\

< Back Next > Cancel Help



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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

Default instance
 Named instance:

Instance ID:

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL12.MSSQLSERVER
Reporting Services directory: C:\Program Files\Microsoft SQL Server\MSRS12.MSSQLSERVER

Installed instances:

Instance Name	Instance ID	Features	Edition	Version

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

Server Configuration

Specify the service accounts and collation configuration.

Product Key

License Terms

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Setup Role

Feature Selection

Feature Rules

Instance Configuration

Server Configuration

Database Engine Configuration

Reporting Services Configuration

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Service Accounts

Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Agent	NT Service\SQLSERVERA...		Manual
SQL Server Database Engine	NT Service\MSSQLSERVER		Automatic
SQL Server Reporting Services	NT Service\ReportServer		Automatic
SQL Server Browser	NT AUTHORITY\LOCAL ...		Disabled

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance



SQL Server 2014 Setup

Database Engine Configuration

Specify Database Engine authentication security mode, administrators and data directories.

- Product Key
- License Terms
- Global Rules
- Microsoft Update
- Product Updates
- Install Setup Files
- Install Rules
- Setup Role
- Feature Selection
- Feature Rules
- Instance Configuration
- Server Configuration
- Database Engine Configuration**
- Reporting Services Configuration
- Feature Configuration Rules
- Ready to Install
- Installation Progress
- Complete

Server Configuration Data Directories FILESTREAM

Specify the authentication mode and administrators for the Database Engine.

Authentication Mode

 Windows authentication mode Mixed Mode (SQL Server authentication and Windows authentication)

Specify the password for the SQL Server system administrator (sa) account.

Enter password:

Confirm password:

Specify SQL Server administrators

	SQL Server administrators have unrestricted access to the Database Engine.
--	----------------------------------------------------------------------------

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance



SQL Server 2014 Setup

Reporting Services Configuration

Specify the Reporting Services configuration mode.

- Product Key
- License Terms
- Global Rules
- Microsoft Update
- Product Updates
- Install Setup Files
- Install Rules
- Setup Role
- Feature Selection
- Feature Rules
- Instance Configuration
- Server Configuration
- Database Engine Configuration
- Reporting Services Configuration...**
- Feature Configuration Rules
- Ready to Install
- Installation Progress
- Complete

Reporting Services Native Mode

Install and configure.

Installs and configures the report server in native mode. The report server is operational after setup completes.

Install only.

Installs the report server files. After installation, use Reporting Services Configuration Manager to configure the report server for native mode.

Reporting Services SharePoint Integrated Mode

Install only.

Installs the report server files. After installation use SharePoint Central Administration to complete the configuration. Verify the SQL Server Reporting Services service is started and create at least one SQL Server Reporting Services service application. For more information, click Help.

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance



SQL Server 2014 Setup

Ready to Install

Verify the SQL Server 2014 features to be installed.

- Product Key
- License Terms
- Global Rules
- Microsoft Update
- Product Updates
- Install Setup Files
- Install Rules
- Setup Role
- Feature Selection
- Feature Rules
- Instance Configuration
- Server Configuration
- Database Engine Configuration
- Reporting Services Configuration
- Feature Configuration Rules
- Ready to Install**
- Installation Progress
- Complete

Ready to install SQL Server 2014:

- Summary
 - Edition: Standard
 - Action: Install (Product Update)
- Prerequisites
 - Already installed:
 - Windows PowerShell 2.0
 - Microsoft .NET Framework 3.5
 - Microsoft .NET Framework 4.0
 - To be installed from media:
 - Microsoft Visual Studio 2010 Redistributables
 - Microsoft Visual Studio 2010 Shell
- General Configuration
 - Features
 - Database Engine Services
 - Reporting Services - Native
 - Management Tools - Basic
 - Management Tools - Complete

Configuration file path:

C:\Program Files\Microsoft SQL Server\120\Setup Bootstrap\Log\20170822_092708\ConfigurationFile.ini

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

Installation Progress

- Product Key
- License Terms
- Global Rules
- Microsoft Update
- Product Updates
- Install Setup Files
- Install Rules
- Setup Role
- Feature Selection
- Feature Rules
- Instance Configuration
- Server Configuration
- Database Engine Configuration
- Reporting Services Configuration
- Feature Configuration Rules
- Ready to Install
- Installation Progress**
- Complete

Setting feature install state.

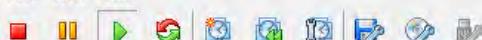
Next >

Cancel

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Microsoft SQL Server 2014

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add
features to an existing SQL Server 2014 instance

SQL Server 2014 Setup

Complete

Your SQL Server 2014 installation completed successfully with product updates.

Feature	Status
Management Tools - Complete	Succeeded
Management Tools - Basic	Succeeded
Reporting Services - Native	Succeeded
Database Engine Services	Succeeded
SQL Browser	Succeeded
SQL_Writer	Succeeded

Information about the Setup operation or possible next steps:

Details:

Viewing Product Documentation for SQL Server

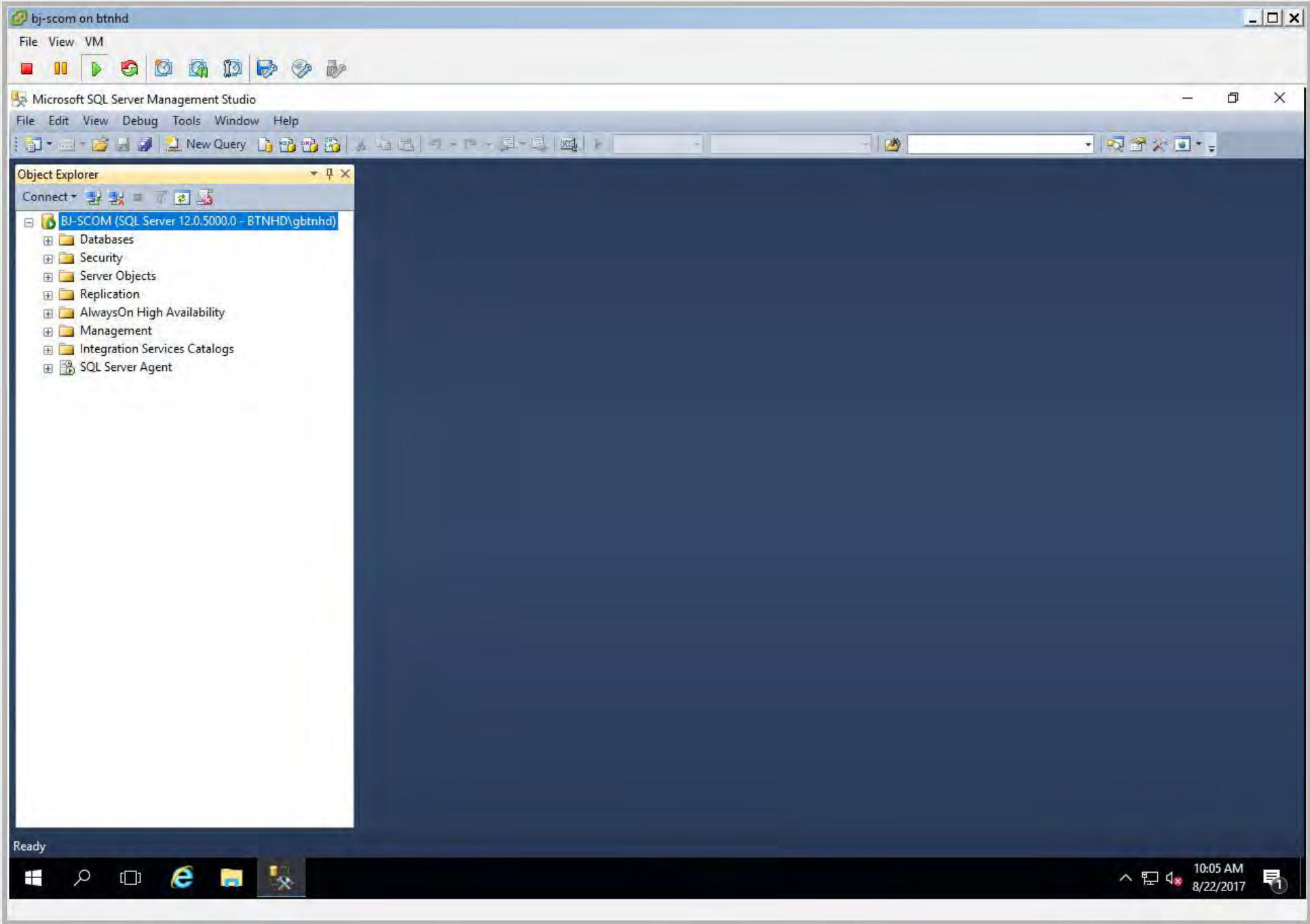
Only the components that you use to view and manage the documentation for SQL Server have been installed. By default, the Help Viewer component uses the online library. After installing SQL Server, you can use the Help Library Manager component to download documentation to your local computer. For more information, see Use Microsoft Books Online for SQL Server (<http://go.microsoft.com/fwlink/?LinkId=299578>).

Summary log file has been saved to the following location:

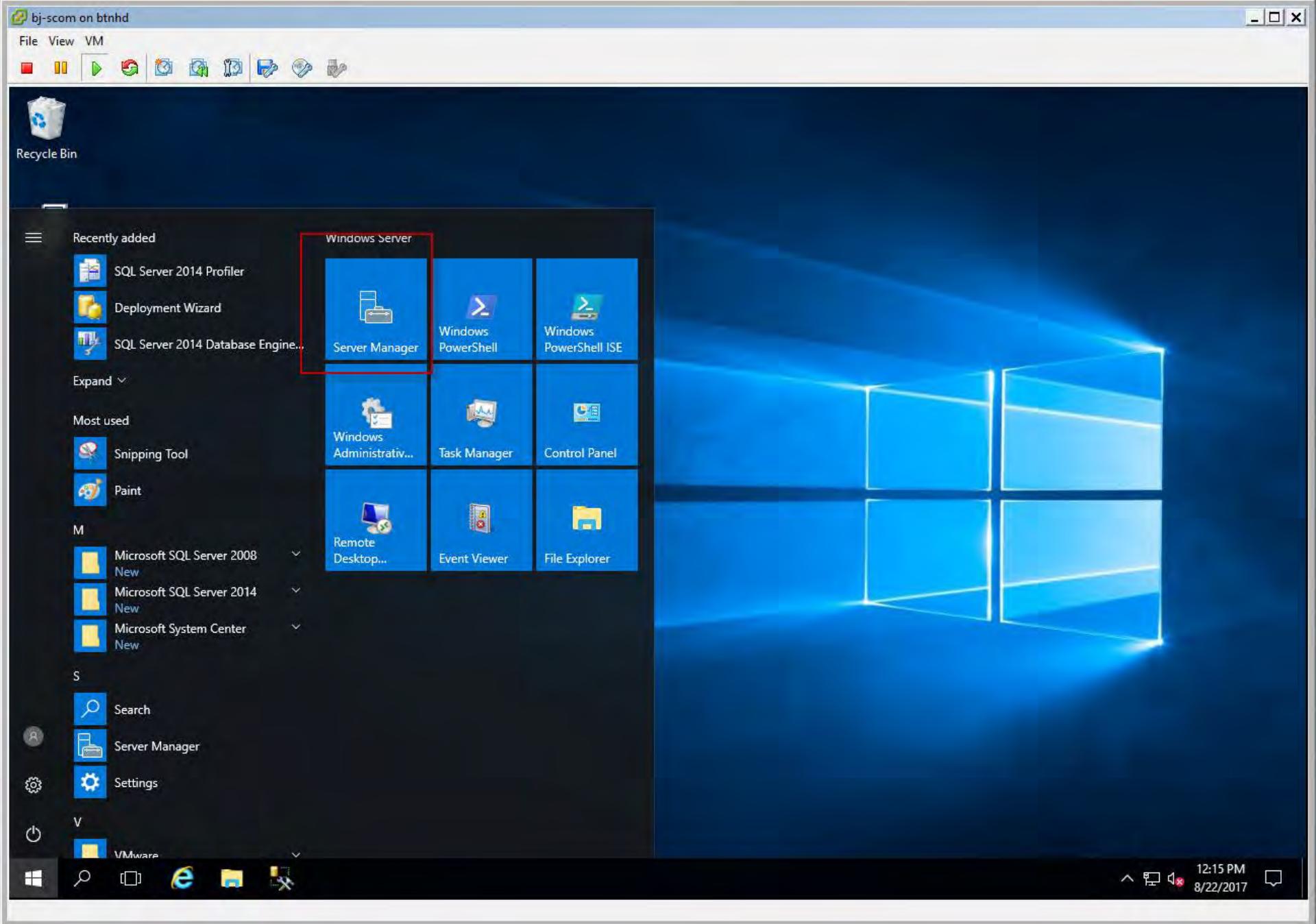
C:\Program Files\Microsoft SQL Server\120\Setup Bootstrap\Log\20170822_092708\Summary_bj-scom_20170822_092708.txt

Close **Help**





Install Remote Desktop Services





WELCOME TO SERVER MANAGER



- 1 Configure this local server
- 2 Add roles and features
- 3 Add other servers to manage
- 4 Create a server group
- 5 Connect this server to cloud services

Hide

ROLES AND SERVER GROUPS

Roles: 1 | Server groups: 1 | Servers total: 1

File and Storage Services	1
Manageability	1
Events	1
Performance	1
BPA results	1

Local Server	1
Manageability	1
Events	1
Services	5
Performance	1
BPA results	1

All Servers	1
Manageability	1
Events	1
Services	5
Performance	1
BPA results	1



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File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services Add Roles and Features Wizard

WELCOME TO SERVER MANAGER

1 Configure this local server

DESTINATION SERVER
bj-scom.btnhd.edu

Before you begin

Before You Begin

- Installation Type
- Server Selection
- Server Roles
- Prerequisites
- Network Configuration

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:

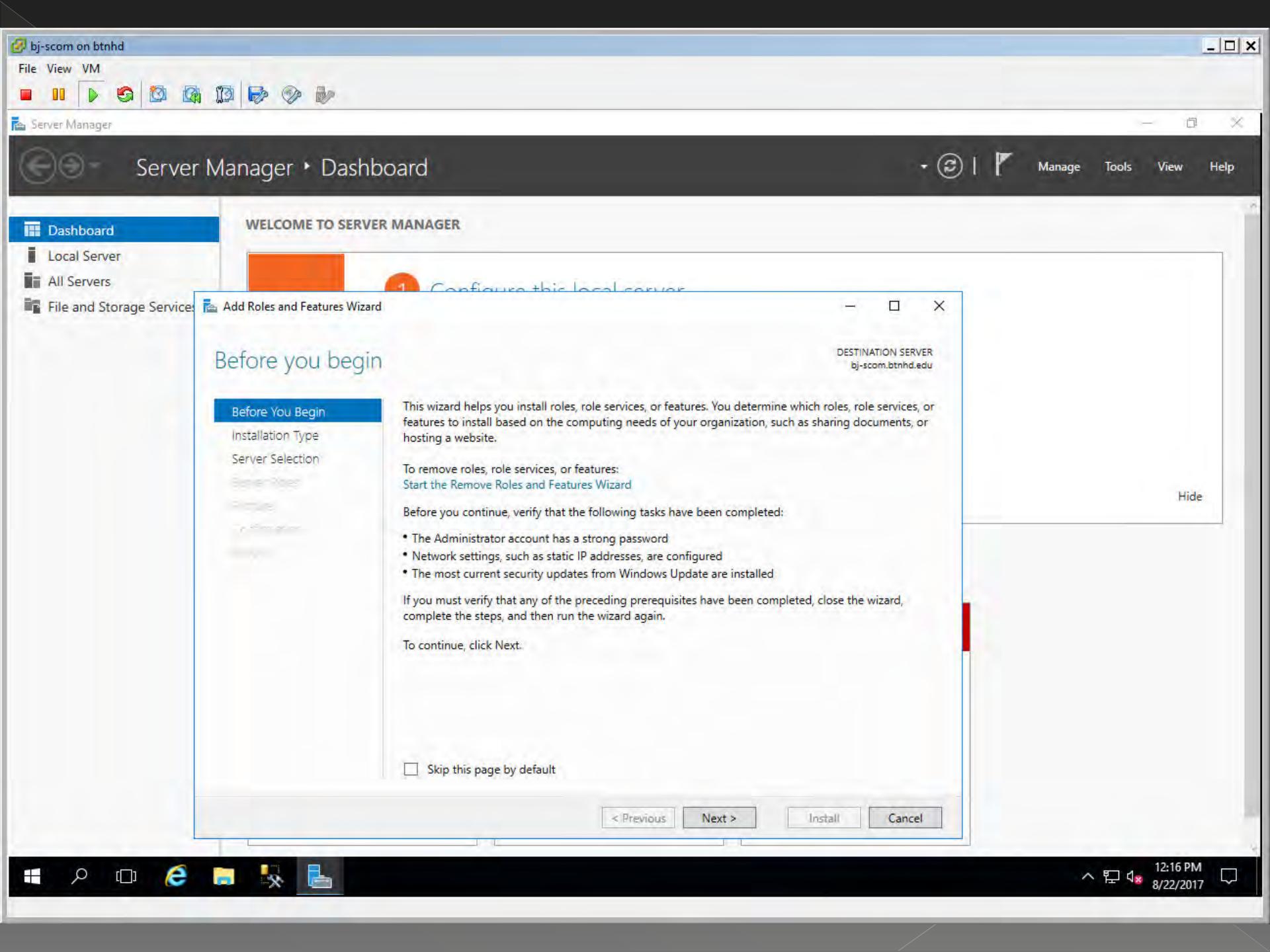
- The Administrator account has a strong password
- Network settings, such as static IP addresses, are configured
- The most current security updates from Windows Update are installed

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



**Dashboard**

Local Server

All Servers

File and Storage Services

Add Roles and Features WizardDESTINATION SERVER
No servers are selected.**Select installation type**

Before You Begin

Installation Type

Deployment Type

Deployment Scenario

Full Services

FD Connection Editor

FD WebAccess

FD Virtualization

Common

Compute

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.

Hide

< Previous

Next >

Deploy

Cancel

BPA results

Performance

Performance

BPA results

BPA results

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Server Manager ▶ Dashboard



Dashboard

Local Server

All Servers

File and Storage Services

Add Roles and Features Wizard

DESTINATION SERVER
No servers are selected

Select deployment type

Before You Begin

Installation Type

Deployment Type

Deployment Scenario

Role Services

RD Connection Broker

RD Web Access

RD Virtualization Host

Confirmation

Components

Remote Desktop Services can be configured across multiple servers or on one server.

 Standard deployment

A standard deployment allows you to deploy Remote Desktop Services across multiple servers.

 Quick Start

A Quick Start allows you to deploy Remote Desktop Services on one server, and creates a collection and publishes RemoteApp programs.

 MultiPoint Services

A MultiPoint Services deployment allows you to easily create stations for multiple users using inexpensive USB hubs or zero client devices.

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Deploy

Cancel

BPA results

Performance

Performance

BPA results

BPA results

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Server Manager ▶ Dashboard

Dashboard

Local Server

All Servers

File and Storage Services

Add Roles and Features Wizard

DESTINATION SERVER
Standard deployment selected

Select deployment scenario

Before You Begin

Installation Type

Deployment Type

Deployment Scenario

Role Services

FD Connection Broker

FD Web Access

FD Virtualization Host

Communication

Compute

Remote Desktop Services can be configured to allow users to connect to virtual desktops, RemoteApp programs, and session-based desktops.

 Virtual machine-based desktop deployment

Virtual machine-based desktop deployment allows users to connect to virtual desktop collections that include published RemoteApp programs and virtual desktops.

 Session-based desktop deployment

Session-based desktop deployment allows users to connect to session collections that include published RemoteApp programs and session-based desktops.

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Deploy

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BPA results

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Performance

BPA results

BPA results

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Server Manager ▶ Dashboard



Dashboard

Local Server

All Servers

File and Storage Services

Add Roles and Features Wizard

DESTINATION SERVER

Standard deployment selected

Review role services

Before You Begin

Installation Type

Deployment Type

Deployment Scenario

Role Services

RD Connection Broker

RD Web Access

RD Session Host

Confirmation

Completing

The following Remote Desktop Services role services will be installed and configured for this deployment.

Remote Desktop Connection Broker

Remote Desktop Connection Broker connects or reconnects a client device to RemoteApp programs, session-based desktops, and virtual desktops.

Remote Desktop Web Access

Remote Desktop Web Access enables users to connect to resources provided by session collections and virtual desktop collections by using the Start menu or a web browser.

Remote Desktop Session Host

Remote Desktop Session Host enables a server to host RemoteApp programs or session-based desktops.

Hide

The credentials of the BTNHD\gbtnhd account will be used to create the deployment.

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BPA results

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Performance

BPA results

BPA results

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File View VM

Server Manager

Server Manager ▶ Dashboard

Add Roles and Features Wizard

Specify RD Connection Broker server

DESTINATION SERVER
Standard deployment selected

Before You Begin
Installation Type
Deployment Type
Deployment Scenario
Role Services
RD Connection Broker
FDI Web Access
FDI Session Host
Compartments
Components

Select the servers from the server pool on which to install the RD Connection Broker role service.

Server Pool

Name	IP Address	Operating System
bj-scom.btnhd.edu	192.168.1.113	

Selected

Computer

Filter:

1 Computer(s) found

0 Computer(s) selected

< Previous Next > Deploy Cancel

BPA results

Performance

BPA results

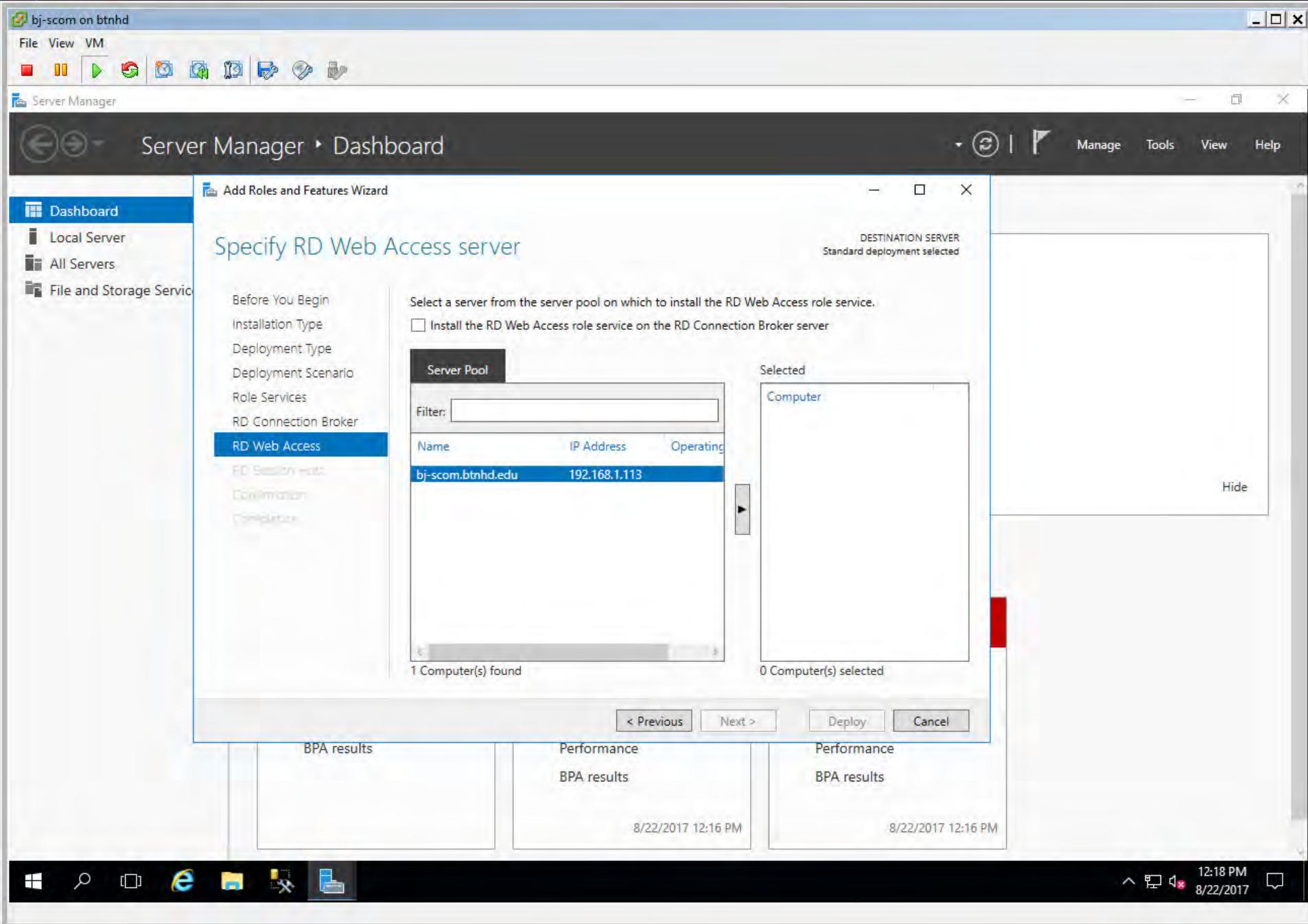
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Performance

BPA results

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Windows Search Internet File Explorer Task View Start 12:18 PM 8/22/2017



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File View VM

Server Manager

Server Manager ▶ Dashboard

Add Roles and Features Wizard

Dashboard Local Server All Servers File and Storage Services

Specify RD Session Host servers

DESTINATION SERVER
Standard deployment selected

Before You Begin
Installation Type
Deployment Type
Deployment Scenario
Role Services
RD Connection Broker
RD Web Access
RD Session Host

Select the servers from the server pool on which to install the RD Session Host role service. If more than one server is selected, the RD Session Host role service will be deployed on all of them.

Server Pool

Filter:

Name	IP Address	Operating System
bj-scom.btnhd.edu	192.168.1.113	

Selected

Computer

Hide

1 Computer(s) found

0 Computer(s) selected

< Previous Next > Deploy Cancel

BPA results

Performance

BPA results

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Performance

BPA results

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Windows Internet Explorer File Explorer Control Panel

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File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Add Roles and Features Wizard

DESTINATION SERVER
Standard deployment selected

Confirm selections

To complete the installation, you must restart the RD Session Host servers. After installation is complete on the remote computers, the local computer will be restarted.

RD Connection Broker (1 server selected)
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RD Web Access (1 server selected)
bj-scom.btnhd.edu

RD Session Host (1 server selected)

⚠ The following servers may restart after the role service is installed.
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Restart the destination server automatically if required

< Previous Next > Deploy Cancel

BPA results Performance Performance

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12:19 PM 8/22/2017

Dashboard Local Server All Servers File and Storage Services

Before You Begin Installation Type Deployment Type Deployment Scenario Role Services RD Connection Broker RD Web Access RD Session Host Confirmation

Hide

The screenshot shows the 'Add Roles and Features Wizard' in the Windows Server Manager. The 'Confirmation' step is displayed, listing the selected roles: RD Connection Broker, RD Web Access, and RD Session Host, each with one server selected (bj-scom.btnhd.edu). A warning message states that the destination server may restart after the role service is installed. A checkbox for 'Restart the destination server automatically if required' is present and highlighted with a red rectangle. At the bottom, there are navigation buttons ('< Previous', 'Next >', 'Deploy', 'Cancel') and three performance monitoring cards labeled 'BPA results', 'Performance', and 'Performance' with their respective dates and times (8/22/2017 12:16 PM). The taskbar at the bottom shows standard icons like Start, Search, Task View, Internet Explorer, File Explorer, and File History, along with the current date and time (12:19 PM, 8/22/2017).

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Dashboard

Add Roles and Features Wizard

View progress

DESTINATION SERVER
Standard deployment selected

The selected Remote Desktop Services role services are being installed.

Server	Progress	Status
RD Connection Broker role service bj-scom.btnhd.edu	<div style="width: 100px;"></div>	Pending
RD Web Access role service bj-scom.btnhd.edu	<div style="width: 100px;"></div>	Pending
RD Session Host role service bj-scom.btnhd.edu	<div style="width: 100px;"></div>	Pending

< Previous Next > Deploy Cancel

BPA results

Performance

BPA results

8/22/2017 12:16 PM

Performance

BPA results

8/22/2017 12:16 PM

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services

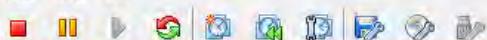
Before You Begin Installation Type Deployment Type Deployment Scenario Role Services RD Connection Broker RD Web Access RD Session Host Confirmation Completion

Hide

12:20 PM 8/22/2017

Windows Internet Explorer File Explorer Control Panel

File View VM



Working on updates
27% complete
Don't turn off your computer

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

WELCOME TO SERVER MANAGER

Add Roles and Features Wizard

DESTINATION SERVER
Standard deployment selected

View progress

Completion

The selected Remote Desktop Services role services are being installed.

Server	Progress	Status
RD Connection Broker role service bj-scom.btnhd.edu	<div style="width: 100%;"><div style="width: 100%;"> </div></div>	Succeeded
RD Web Access role service bj-scom.btnhd.edu	<div style="width: 80%;"><div style="width: 100%;"> </div></div>	In Progress Configuring...
RD Session Host role service bj-scom.btnhd.edu	<div style="width: 60%;"><div style="width: 100%;"> </div></div>	In Progress

Hide

1

< Previous Next > Deploy Cancel

12:34 PM 8/22/2017

Detailed description: This screenshot shows the 'Add Roles and Features Wizard' window in the Windows Server Manager. The title bar says 'Add Roles and Features Wizard'. The main area displays a table of three role services being installed on the local server (bj-scom.btnhd.edu). The 'RD Connection Broker role service' has completed successfully. The 'RD Web Access role service' is in progress, currently at the 'Configuring...' stage. The 'RD Session Host role service' is also in progress. The status column indicates the current state of each service's installation. At the bottom, there are navigation buttons for '< Previous' and 'Next >', and action buttons for 'Deploy' and 'Cancel'. A vertical sidebar on the right shows a progress bar with the number '1' above it, indicating one task is in progress. The overall interface is typical of the Windows Server 2012 graphical user interface.

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File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

WELCOME TO SERVER MANAGER

Add Roles and Features Wizard

DESTINATION SERVER
Standard deployment selected

View progress

Completion

The selected Remote Desktop Services role services are being installed.

Server	Progress	Status
RD Connection Broker role service bj-scom.btnhd.edu	<div style="width: 100%;"></div>	Succeeded
RD Web Access role service bj-scom.btnhd.edu	<div style="width: 100%;"></div>	Succeeded
RD Session Host role service bj-scom.btnhd.edu	<div style="width: 100%;"></div>	Succeeded

Hide

1

< Previous Next > Close Cancel

12:34 PM 8/22/2017

Detailed description: This screenshot shows a Windows Server Manager window with a floating 'Add Roles and Features Wizard' dialog. The wizard is titled 'Add Roles and Features Wizard' and displays a 'View progress' section. It states 'The selected Remote Desktop Services role services are being installed.' Below this, there's a table with three rows, each representing a role service: RD Connection Broker role service, RD Web Access role service, and RD Session Host role service. Each row shows the server name (bj-scom.btnhd.edu), a progress bar (fully green), and the status 'Succeeded'. At the bottom of the wizard dialog are buttons for '< Previous', 'Next >', 'Close', and 'Cancel'. The main Server Manager interface shows the 'Dashboard' tab is selected. On the left, there's a sidebar with links like 'Local Server', 'All Servers', 'File and Storage Services', 'IIS', and 'Remote Desktop Services'. The taskbar at the bottom has icons for Start, Search, Task View, Internet Explorer, File Explorer, Task Scheduler, and File History. The system tray shows the date and time as 12:34 PM on 8/22/2017.



1

Manage

Tools

View

Help

Dashboard

Local Server

All Servers

File and Storage Services ▾

IIS

Remote Desktop Services ▾

WELCOME TO SERVER MANAGER**QUICK START**

- 1 Configure this local server
- 2 Add roles and features
- 3 Add other servers to manage
- 4 Create a server group
- 5 Connect this server to cloud services

[Hide](#)**ROLES AND SERVER GROUPS**

Roles: 3 | Server groups: 1 | Servers total: 1

File and Storage Services 1

- Manageability
- Events
- Performance
- BPA results

IIS 1

- Manageability
- Events
- Services
- Performance
- BPA results

Remote Desktop Services 1

- Manageability
- Events
- Services
- Performance
- BPA results



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File View VM

Server Manager

Server Manager > Remote Desktop Services > Overview

Manage Tools View Help

OVERVIEW

GET STARTED WITH REMOTE DESKTOP SERVICES

1 Set up a Remote Desktop Services deployment

Virtual machine-based desktop deployment

2 Add RD Virtualization Host servers

3 Create virtual desktop collections

QUICK START

LEARN MORE

DEPLOYMENT OVERVIEW

RD Connection Broker server: bj-scom.btnhd.edu

Managed as : BTNHDLgbtnhd

TASKS

RD Web Access RD Gateway RD Licensing

RD Connection Broker

DEPLOYMENT SERVERS

Last refreshed on 8/22/2017 12:34:49 PM | All RDS role serv... TASKS

Filter

Server FQDN	Installed Role Service
BJ-SCOM.BTNHD.EDU	RD Connection Broker
BJ-SCOM.BTNHD.EDU	RD Session Host
BJ-SCOM.BTNHD.EDU	RD Web Access

12:51 PM 8/22/2017

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File View VM

Server Manager

Create Collection

Before you begin

This wizard allows you to create a session collection. A session collection consists of one or more Remote Desktop Session Host (RD Session Host) servers.

You need the following to complete the wizard:

- An existing user or user group must exist in Active Directory Domain Services (AD DS) consisting of users that should have access to this collection.
- At least one RD Session Host server that is not assigned to a collection should be added to the deployment.

Do not show this page again

< Previous Next > Create Cancel

RD Connection Broker

Services deployment

Session-based desktop deployment

2 Add RD Session Host servers
3 Create session collections

DEPLOYMENT SERVERS

Last refreshed on 8/22/2017 12:34:49 PM | All RDS role serv... TASKS

Server FQDN	Installed Role Service
BJ-SCOM_BTNHD.EDU	RD Connection Broker
BJ-SCOM_BTNHD.EDU	RD Session Host
BJ-SCOM_BTNHD.EDU	RD Web Access

12:52 PM 8/22/2017

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File View VM

Server Manager

Create Collection

Name the collection

Before You Begin

Collection Name

RD Session Host

User Groups

User Profile Disks

Customizations

Properties

A session collection name is displayed to users when they log on to a Remote Desktop Web Access server.

Name: RDS Collection

Description (optional):

< Previous Next > Create Cancel

RD Connection Broker

Services deployment

Session-based desktop deployment

2 Add RD Session Host servers

3 Create session collections

DEPLOYMENT SERVERS

Last refreshed on 8/22/2017 12:34:49 PM | All RDS role serv... **TASKS**

Server FQDN	Installed Role Service
BJ-SCOM_BTNHD.EDU	RD Connection Broker
BJ-SCOM_BTNHD.EDU	RD Session Host
BJ-SCOM_BTNHD.EDU	RD Web Access

Filter

12:53 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Create Collection

Specify RD Session Host servers

Before You Begin

Collection Name

RD Session Host

User Groups

User Profiles

Computers

Devices

Select the RD Session Host servers from the server pool to add to this collection.

Server Pool

Selected

Filter:

Name	IP Address	Operat
bj-scom.btnhd.edu		

1 Computer(s) found

0 Computer(s) selected

< Previous Next > Create Cancel

RD Connection Broker

Services deployment

Session-based desktop deployment

2 Add RD Session Host servers

3 Create session collections

DEPLOYMENT SERVERS

Last refreshed on 8/22/2017 12:34:49 PM | All RDS role serv... **TASKS**

Server FQDN	Installed Role Service
BJ-SCOM_BTNHD.EDU	RD Connection Broker
BJ-SCOM_BTNHD.EDU	RD Session Host
BJ-SCOM_BTNHD.EDU	RD Web Access

```
graph TD; A[RD Session Host] --> B[RD Connection Broker]
```

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File View VM

Server Manager

Create Collection

Specify user groups

Before You Begin
Collection Name
RD Session Host
User Groups
User Profile Disks
Connections
Properties

Add the user groups that should have access to connect to the collection.

User Groups:
BTNHD\Domain Users

Add... Remove

< Previous Next > Create Cancel

RD Connection Broker

Services deployment

Session-based desktop deployment

2 Add RD Session Host servers
3 Create session collections

DEPLOYMENT SERVERS

Last refreshed on 8/22/2017 12:34:49 PM | All RDS role serv... **TASKS**

Server FQDN	Installed Role Service
BJ-SCOM_BTNHD.EDU	RD Connection Broker
BJ-SCOM_BTNHD.EDU	RD Session Host
BJ-SCOM_BTNHD.EDU	RD Web Access



bj-scom on btnhd

File View VM

Server Manager

Create Collection

Specify user profile disks

Before You Begin
Collection Name
RD Session Host
User Groups
User Profile Disks
Confirmation
Properties

User profile disks store user profile settings and data in a central location for the collection.

Enable user profile disks

Location of user profile disks:

Maximum size (in GB):

The servers in the collection must have full control permissions on the user profile disk share, and the current user must be a member of the local Administrators group on that server.

< Previous Next > Create Cancel

RD Connection Broker

Services deployment

Session-based desktop deployment

2 Add RD Session Host servers
3 Create session collections

DEPLOYMENT SERVERS

Last refreshed on 8/22/2017 12:34:49 PM | All RDS role serv... **TASKS**

Server FQDN	Installed Role Service
BJ-SCOM_BTNHD.EDU	RD Connection Broker
BJ-SCOM_BTNHD.EDU	RD Session Host
BJ-SCOM_BTNHD.EDU	RD Web Access

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File View VM

Server Manager

Create Collection

Specify user profile disks

Before You Begin
Collection Name
RD Session Host
User Groups
User Profile Disks
Confirmation

User profile disks store user profile settings and data in a central location for the collection.

Enable user profile disks

Location of user profile disks:

Maximum size (in GB):

i The servers in the collection must have full control permissions on the user profile disk share, and the current user must be a member of the local Administrators group on that server.

< Previous Next > Create Cancel

RD Connection Broker

Services deployment

Session-based desktop deployment

2 Add RD Session Host servers
3 Create session collections

DEPLOYMENT SERVERS

Last refreshed on 8/22/2017 12:34:49 PM | All RDS role serv... **TASKS**

Server FQDN	Installed Role Service
BJ-SCOM_BTNHD.EDU	RD Connection Broker
BJ-SCOM_BTNHD.EDU	RD Session Host
BJ-SCOM_BTNHD.EDU	RD Web Access

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File View VM

Server Manager

Create Collection

Confirm selections

Before You Begin

Collection Name: RDS Collection

RD Session Host

User Groups: BTNHD\Domain Users

User Profile Disks

Confirmation

Progress

Collection Name
RDS Collection

Users and User Groups
BTNHD\Domain Users

Remote Desktop Session Host Servers
BJ-SCOM_BTNHD.EDU

User Profile Disks
No

< Previous Next > Create Cancel

RD Connection Broker

Services deployment

Session-based desktop deployment

2 Add RD Session Host servers
3 Create session collections

DEPLOYMENT SERVERS

Last refreshed on 8/22/2017 12:34:49 PM | All RDS role serv... **TASKS**

Server FQDN	Installed Role Service
BJ-SCOM_BTNHD.EDU	RD Connection Broker
BJ-SCOM_BTNHD.EDU	RD Session Host
BJ-SCOM_BTNHD.EDU	RD Web Access



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File View VM

Server Manager

Create Collection

View Progress

The session collection is being created. Depending on the size of the session collection, this may take a while to complete.

Activity	Progress	Status
Create Collection	<div style="width: 20px;"></div>	In Progress
Add servers	<div style="width: 0px;"></div>	Pending

< Previous Next > Create Cancel

RD Connection Broker

Services deployment

Session-based desktop deployment

2 Add RD Session Host servers

3 Create session collections

DEPLOYMENT SERVERS

Last refreshed on 8/22/2017 12:34:49 PM | All RDS role serv... TASKS

Server FQDN	Installed Role Service
BJ-SCOM_BTNHD.EDU	RD Connection Broker
BJ-SCOM_BTNHD.EDU	RD Session Host
BJ-SCOM_BTNHD.EDU	RD Web Access

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File View VM

Server Manager

Create Collection

View Progress

The session collection is being created. Depending on the size of the session collection, this may take a while to complete.

Activity	Progress	Status
Create Collection	<div style="width: 100%;"></div>	Succeeded
Add servers	<div style="width: 100%;"></div>	Succeeded
	BJ-SCOM_BTNHD.EDU	

< Previous Next > Close Cancel

RD Connection Broker

Services deployment

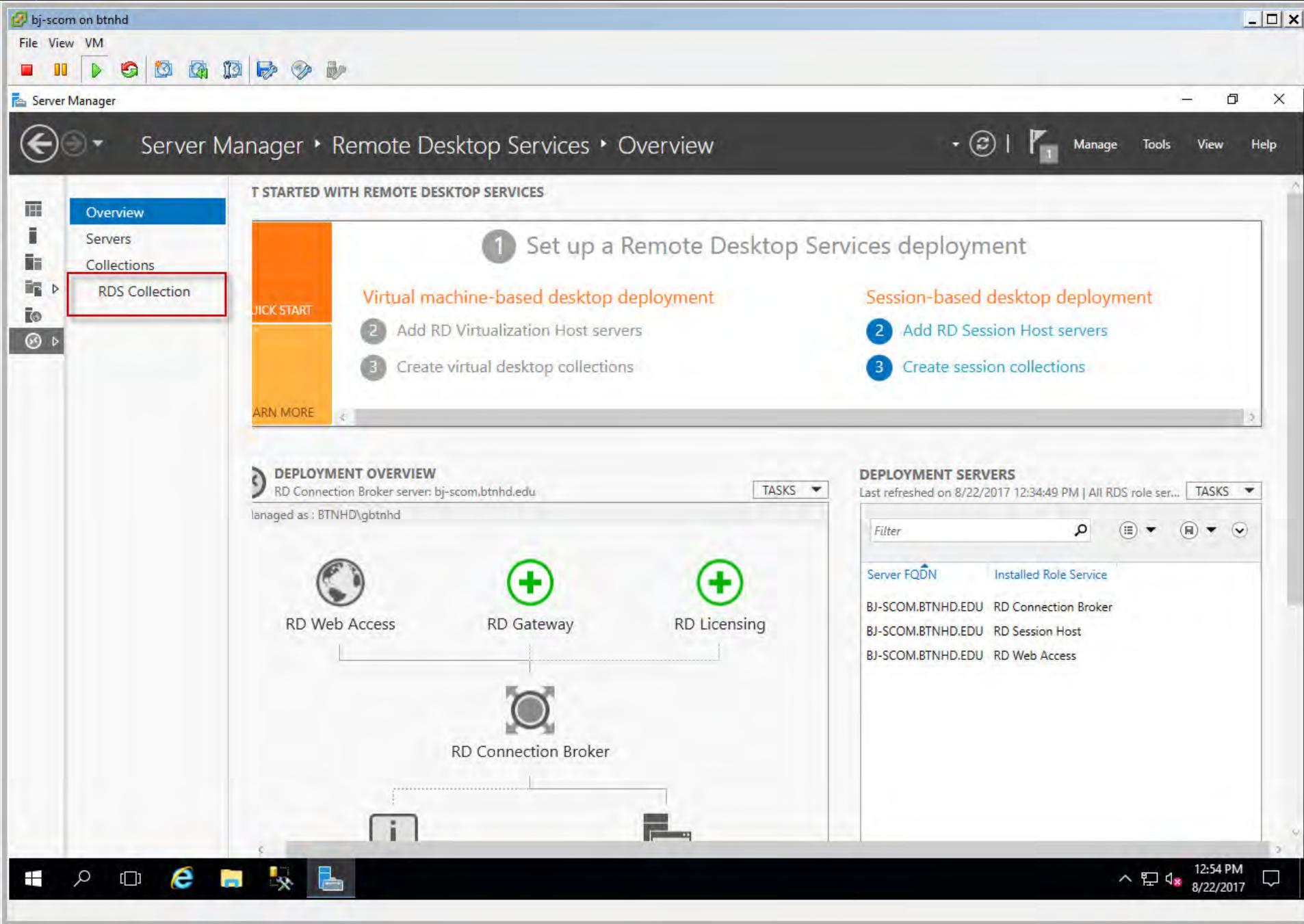
Session-based desktop deployment

2 Add RD Session Host servers
3 Create session collections

DEPLOYMENT SERVERS

Last refreshed on 8/22/2017 12:34:49 PM | All RDS role serv... TASKS

Server FQDN	Installed Role Service
BJ-SCOM_BTNHD.EDU	RD Connection Broker
BJ-SCOM_BTNHD.EDU	RD Session Host
BJ-SCOM_BTNHD.EDU	RD Web Access



File View VM



Server Manager

- X

Remote Desktop Services > Collections > RDS Collection



Manage

Tools

View

Help

- Overview
- Servers
- Collections
- RDS Collection

PROPERTIES

Properties of the collection

TASKS

Collection Type	Session
Resources	Remote Desktop
User Group	BTNHD\Domain Users

CONNECTIONS

Last refreshed on 8/22/2017 12:54:16 PM | All connections | 0 total

TASKS

Filter



Server FQDN User Session State Log On Time Disconnect Time Idle Time

REMOTEAPP PROGRAMS

Published RemoteApp programs | 0 total

TASKS

Remote Desktop is published for the users of the collection.

[Publish RemoteApp programs](#)

[Publishing RemoteApp programs will unpublish the Remote Desktop](#)

HOST SERVERS

Last refreshed on 8/22/2017 12:54:16 PM | All servers | 1 total

TASKS

Filter



Server Name

Type

Virtual Desktops

Allow New Connections

bj-scom on btnhd

File View VM

Server Manager

Publish RemoteApp Programs

Select RemoteApp programs

Retrieving a list of RemoteApp programs that are available for publishing...

RemoteApp Programs

Connections Publishing Completion

< Previous Next > Publish Cancel

HOST SERVERS

Last refreshed on 8/22/2017 12:54:16 PM | All servers | 1 total

Filter

Server Name Time Virtual Desktops Allow New Connections

Manage Tools View Help

CTIONS

refreshed on 8/22/2017 12:54:16 PM | All connections | 0 total

FQDN User Session State Log On Time Disconnect Time Idle Time

12:55 PM 8/22/2017

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File View VM

Server Manager

Publish RemoteApp Programs

Select RemoteApp programs

RemoteApp Programs

Confirmation

The RemoteApp programs are populated from BJ-SCOM_BTNHD.EDU.

RemoteApp Program	Location
<input checked="" type="checkbox"/> Calculator	%SYSTEMDRIVE%\Windows\system32\win32cal...
<input type="checkbox"/> Character Map	%SYSTEMDRIVE%\Windows\system32\charmap...
<input type="checkbox"/> Defragment and Optimize Drives	%SYSTEMDRIVE%\Windows\system32\dfrgui.exe
<input type="checkbox"/> Deployment Wizard	%SYSTEMDRIVE%\Program Files (x86)\Microso...
<input type="checkbox"/> Disk Cleanup	%SYSTEMDRIVE%\Windows\system32\cleanmg...
<input type="checkbox"/> Internet Information Services (IIS)	%SYSTEMDRIVE%\Windows\system32\inetsrv\...
<input type="checkbox"/> iSCSI Initiator	%SYSTEMDRIVE%\Windows\system32\iscsicpl.e...
<input type="checkbox"/> Math Input Panel	%SYSTEMDRIVE%\Program Files\Common Files...
<input type="checkbox"/> Microsoft Azure Services	%SYSTEMDRIVE%\Windows\explorer.exe
<input type="checkbox"/> ODBC Data Sources (32-bit)	%SYSTEMDRIVE%\Windows\syswow64\odbcad...

Add...

Verify that the program is installed on all the RD Session Host servers in the collection.

< Previous Next > Publish Cancel

HOST SERVERS

Last refreshed on 8/22/2017 12:54:16 PM | All servers | 1 total

Server Name	Type	Virtual Desktops	Allow New Connections

Manage Tools View Help

CTIONS

Last refreshed on 8/22/2017 12:54:16 PM | All connections | 0 total

FQDN	User	Session State	Log On Time	Disconnect Time	Idle Time

12:56 PM 8/22/2017

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File View VM

Server Manager

Publish RemoteApp Programs

Confirmation

Confirm that the list of RemoteApp programs to be published is correct, and then click Publish.

1 RemoteApp program:

RemoteApp Program	Location
Calculator	%SYSTEMDRIVE%\Windows\system32\win32cal...

< Previous Next > Publish Cancel

HOST SERVERS

Last refreshed on 8/22/2017 12:54:16 PM | All servers | 1 total

Server Name	Type	Virtual Desktops	Allow New Connections

Manage Tools View Help

CTIONS
refreshed on 8/22/2017 12:54:16 PM | All connections | 0 total

FQDN User Session State Log On Time Disconnect Time Idle Time

12:56 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Publish RemoteApp Programs

Publishing

Please wait while the RemoteApp programs that you selected are being published to the collection.

< Previous Next > Publish Cancel

HOST SERVERS

Last refreshed on 8/22/2017 12:54:16 PM | All servers | 1 total

Filter

Server Name	Time	Virtual Desktops	Allow New Connections

Manage Tools View Help

REFRESHED on 8/22/2017 12:54:16 PM | All connections | 0 total

FQDN User Session State Log On Time Disconnect Time Idle Time

12:56 PM 8/22/2017

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File View VM

Server Manager

Publish RemoteApp Programs

Completion

The selected RemoteApp programs were published successfully for the RDS Collection collection.
1 RemoteApp program was published for the RDS Collection collection.

RemoteApp Program	Status
Calculator	Published

< Previous Next > Close Cancel

HOST SERVERS

Last refreshed on 8/22/2017 12:54:16 PM | All servers | 1 total

Server Name	Time	Virtual Desktops	Allow New Connections

Manage Tools View Help

CTIONS

Last refreshed on 8/22/2017 12:54:16 PM | All connections | 0 total

FQDN User Session State Log On Time Disconnect Time Idle Time

12:56 PM 8/22/2017

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File View VM

Server Manager

Remote Desktop Services > Collections > RDS Collection

PROPERTIES

Properties of the collection

TASKS

Collection Type: Session

Resources: RemoteApp Programs

User Group: BTNHD\Domain Users

OVERVIEW

Servers

Collections

RDS Collection

COLLECTIONS

REMOTEAPP PROGRAMS

Last refreshed on 8/22/2017 12:56:54 PM | Published RemoteApp pro...

TASKS

Filter

RemoteApp Program Name	Alias	Visible in RD Web Access
Calculator	win32calc	Yes

HOST SERVERS

Last refreshed on 8/22/2017 12:54:16 PM | All servers | 1 total

TASKS

Filter

Server Name	Type	Virtual Desktops	Allow New Connections

Connections

Last refreshed on 8/22/2017 12:54:16 PM | All connections | 0 total

TASKS

Filter

Server FQDN User Session State Log On Time Disconnect Time Idle Time

12:57 PM 8/22/2017

Install AD Certificate Services



WELCOME TO SERVER MANAGER

QUICK START

1 Configure this local server

- 2 Add roles and features
- 3 Add other servers to manage
- 4 Create a server group
- 5 Connect this server to cloud services

WHAT'S NEW

LEARN MORE

Hide

ROLES AND SERVER GROUPS

Roles: 3 | Server groups: 1 | Servers total: 1

File and Storage Services 1

- Manageability
- Events
- Performance
- BPA results

IIS 1

- Manageability
- Events
- Services
- Performance
- BPA results

Remote Desktop Services 1

- Manageability
- Events
- Services
- Performance
- BPA results



bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

Add Roles and Features Wizard

Before you begin

DESTINATION SERVER
bj-scom.btnhd.edu

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

BPA results BPA results

1

Hide

1:56 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

Add Roles and Features Wizard

Select installation type

DESTINATION SERVER
bj-scom.btnhd.edu

Before You Begin Installation Type Server Selection

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.

Hide

1

< Previous Next > Install Cancel

BPA results BPA results

Windows Search Internet Explorer File Explorer Control Panel

1:56 PM 8/22/2017

The screenshot shows the Windows Server Manager interface with the 'Add Roles and Features Wizard' open. The left navigation bar includes 'Dashboard', 'Local Server', 'All Servers', 'File and Storage Services', 'IIS', and 'Remote Desktop Services'. The main window title is 'Add Roles and Features Wizard' and the sub-section is 'Select installation type'. It displays two options: 'Role-based or feature-based installation' (selected) and 'Remote Desktop Services installation'. The 'Role-based or feature-based installation' section includes a sub-instruction: 'Configure a single server by adding roles, role services, and features.' The 'DESTINATION SERVER' is listed as 'bj-scom.btnhd.edu'. At the bottom, there are buttons for '< Previous', 'Next >', 'Install', and 'Cancel'. Below the wizard, there are two sections labeled 'BPA results'.

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File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

Add Roles and Features Wizard

Select destination server

DESTINATION SERVER
bj-scom.btnhd.edu

Before You Begin Installation Type Server Selection

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
bj-scom.btnhd.edu	192.168.1.113	Microsoft Windows Server 2016 Datacenter

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

BPA results BPA results

1:56 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

Add Roles and Features Wizard

Select server roles

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
 - MultiPoint Services
 - Network Controller
 - Network Policy and Access Services
 - Print and Document Services
 - Remote Access
- Remote Desktop Services (3 of 6 installed)
 - Volume Activation Services
 - Web Server (IIS) (18 of 43 installed)

DESTINATION SERVER

Add Roles and Features Wizard

Add features that are required for Active Directory Certificate Services?

The following tools are required to manage this feature, but do not have to be installed on the same server.

- Remote Server Administration Tools
 - Role Administration Tools
 - Active Directory Certificate Services Tools
 - [Tools] Certification Authority Management Tools

Include management tools (if applicable)

Add Features Cancel

< Previous Next > Install Cancel

BPA results BPA results

1:56 PM 8/22/2017

This screenshot shows the Windows Server Manager interface with the 'Add Roles and Features Wizard' open. The 'Server Roles' step is currently selected. A modal window titled 'Add Roles and Features Wizard' is displayed, asking if features are required for Active Directory Certificate Services. It lists 'Remote Server Administration Tools' and 'Role Administration Tools' as required, with 'Active Directory Certificate Services Tools' and 'Certification Authority Management Tools' listed under the latter. A checkbox for 'Include management tools (if applicable)' is checked. The bottom of the screen shows the Windows taskbar with various icons and the system tray.

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File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

Add Roles and Features Wizard

Select features

Before You Begin Installation Type Server Selection Server Roles **Features** AD CS Role Services Confirmation Results

Select one or more features to install on the selected server.

DESTINATION SERVER
bj-scom.btnhd.edu

Features	Description
<input checked="" type="checkbox"/> .NET Framework 3.5 Features (1 of 3 installed)	.NET Framework 3.5 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.
<input checked="" type="checkbox"/> .NET Framework 4.6 Features (3 of 7 installed)	
<input type="checkbox"/> Background Intelligent Transfer Service (BITS)	
<input type="checkbox"/> BitLocker Drive Encryption	
<input type="checkbox"/> BitLocker Network Unlock	
<input type="checkbox"/> BranchCache	
<input type="checkbox"/> Client for NFS	
<input type="checkbox"/> Containers	
<input type="checkbox"/> Data Center Bridging	
<input type="checkbox"/> Direct Play	
<input type="checkbox"/> Enhanced Storage	
<input type="checkbox"/> Failover Clustering	
<input type="checkbox"/> Group Policy Management	
<input type="checkbox"/> Host Guardian Hyper-V Support	
<input type="checkbox"/> I/O Quality of Service	
<input type="checkbox"/> IIS Hostable Web Core	
<input type="checkbox"/> Internet Printing Client	
<input type="checkbox"/> IP Address Management (IPAM) Server	
<input type="checkbox"/> iSNS Server service	

< Previous Next > Install Cancel

BPA results BPA results

1 Hide

1:56 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▸ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

Add Roles and Features Wizard

Active Directory Certificate Services

DESTINATION SERVER
bj-scom.btnhd.edu

Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD CS
Role Services
Confirmation

Things to note:

- The name and domain settings of this computer cannot be changed after a certification authority (CA) has been installed. If you want to change the computer name, join a domain, or promote this server to a domain controller, complete these changes before installing the CA. For more information, see certification authority naming.

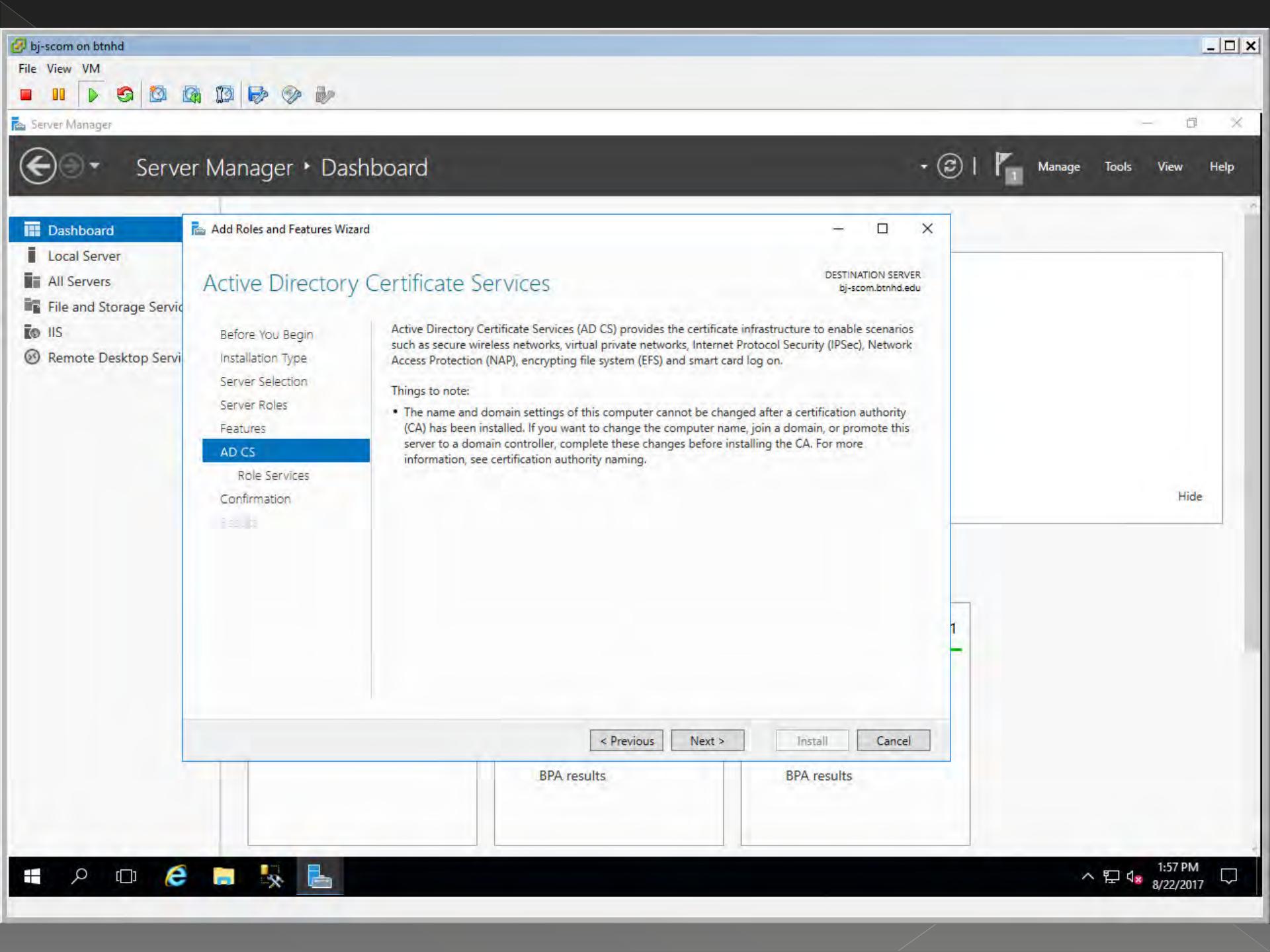
Hide

1

< Previous Next > Install Cancel

BPA results BPA results

Windows Search Internet Explorer File Explorer Task View Start 1:57 PM 8/22/2017



bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

Add Roles and Features Wizard

Select role services

DESTINATION SERVER
bj-scom.btnhd.edu

Before You Begin Installation Type Server Selection Features AD CS Role Services Confirmation Results

Select the role services to install for Active Directory Certificate Services

Role services	Description
<input checked="" type="checkbox"/> Certification Authority	Certification Authority (CA) is used to issue and manage certificates. Multiple CAs can be linked to form a public key infrastructure.
<input type="checkbox"/> Certificate Enrollment Policy Web Service	
<input type="checkbox"/> Certificate Enrollment Web Service	
<input type="checkbox"/> Certification Authority Web Enrollment	
<input type="checkbox"/> Network Device Enrollment Service	
<input type="checkbox"/> Online Responder	

< Previous Next > Install Cancel

BPA results BPA results

1 Hide

1:57 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

Add Roles and Features Wizard

Confirm installation selections

DESTINATION SERVER
bj-scom.btnhd.edu

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.

Active Directory Certificate Services
 Certification Authority

Remote Server Administration Tools
 Role Administration Tools

Active Directory Certificate Services Tools
 Certification Authority Management Tools

Hide

Confirmation

Export configuration settings
Specify an alternate source path

< Previous Next > Install Cancel

BPA results BPA results

1

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Dashboard

- Local Server
- All Servers
- File and Storage Services
- IIS
- Remote Desktop Services

Add Roles and Features Wizard

Installation progress

DESTINATION SERVER
bj-scom.btnhd.edu

View installation progress

Feature installation

Installation started on bj-scom.btnhd.edu

Active Directory Certificate Services
 Certification Authority

Remote Server Administration Tools

Role Administration Tools
 Active Directory Certificate Services Tools
 Certification Authority Management Tools

Results

You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.

Export configuration settings

< Previous Next > Close Cancel

BPA results BPA results

Hide



bj-scom on btnhd

File View VM

Server Manager

Server Manager ▸ Dashboard

Manage Tools View Help

Dashboard Local Server All Servers File and Storage Services IIS Remote Desktop Services

Add Roles and Features Wizard

Installation progress

DESTINATION SERVER
bj-scom.btnhd.edu

Before You Begin
Select Features
Select Selection
Select Roles
Features
Add SS
File Services
Add Application
Results

View installation progress

Feature installation

Configuration required: Installation succeeded on bj-scom.btnhd.edu.

Active Directory Certificate Services
Additional steps are required to configure Active Directory Certificate Services on the destination server

Configure Active Directory Certificate Services on the destination server
Certification Authority

Remote Server Administration Tools
Role Administration Tools
Active Directory Certificate Services Tools
Certification Authority Management Tools

Hide

You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.

Export configuration settings

< Previous Next > Close Cancel

BPA results BPA results

1

1:58 PM
8/22/2017

bj-scom on btnhd

File View VM

Server Manager

AD CS Configuration

Credentials

DESTINATION SERVER
bj-scom.btnhd.edu

Specify credentials to configure role services

To install the following role services you must belong to the local Administrators group:

- Standalone certification authority
- Certification Authority Web Enrollment
- Online Responder

To install the following role services you must belong to the Enterprise Admins group:

- Enterprise certification authority
- Certificate Enrollment Policy Web Service
- Certificate Enrollment Web Service
- Network Device Enrollment Service

Credentials: BTNHD\gbtnhd Change...

More about AD CS Server Roles

< Previous Next > Configure Cancel

1

BPA results

BPA results

Manage Tools View Help

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bj-scom on btnhd

File View VM

Server Manager

AD CS Configuration

Role Services

Credentials Role Services Confirmation Properties Results

Select Role Services to configure

Certification Authority
 Certification Authority Web Enrollment
 Online Responder
 Network Device Enrollment Service
 Certificate Enrollment Web Service
 Certificate Enrollment Policy Web Service

More about AD CS Server Roles

< Previous Next > Configure Cancel

DESTINATION SERVER
bj-scom.btnhd.edu

DESTINATION SERVER
bj-scom.btnhd.edu

1

BPA results

BPA results

Manage Tools View Help

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bj-scom on btnhd

File View VM

Server Manager

AD CS Configuration

Role Services

Credentials

Role Services

Setup Type

CA Type

Private Key

Cryptography

CA Name

Certificate Request

Certificate Database

Confirmation

Progress

Details

Select Role Services to configure

DESTINATION SERVER
bj-scom.btnhd.edu

DESTINATION SERVER
bj-scom.btnhd.edu

on the destination

Hide

More about AD CS Server Roles

< Previous Next > Configure Cancel

BPA results

BPA results

2:00 PM 8/22/2017

This screenshot shows the 'AD CS Configuration' window for the 'Role Services' setup. The 'Role Services' tab is selected in the left sidebar. Under 'Select Role Services to configure', the 'Certification Authority' checkbox is checked, while other options like 'Certification Authority Web Enrollment', 'Online Responder', 'Network Device Enrollment Service', 'Certificate Enrollment Web Service', and 'Certificate Enrollment Policy Web Service' are unchecked. The 'Destination Server' is listed as 'bj-scom.btnhd.edu'. A progress bar at the bottom indicates step 1 of 1, with a status message: 'On the destination' and 'Open this details.' A tooltip on the right side of the progress bar says 's on the destination'. The bottom section displays two 'BPA results' boxes. The taskbar at the bottom includes icons for File Explorer, Task View, Start, Search, Taskbar View, Edge, File Explorer, Task View, Start, and Taskbar View.

bj-scom on btnhd

File View VM

Server Manager

AD CS Configuration

Setup Type

Credentials

Role Services

Setup Type

CA Type

Private Key

Cryptography

CA Name

Certificate Request

Certificate Database

Confirmation

Progress

Results

Specify the setup type of the CA

Enterprise certification authorities (CAs) can use Active Directory Domain Services (AD DS) to simplify the management of certificates. Standalone CAs do not use AD DS to issue or manage certificates.

Enterprise CA
Enterprise CAs must be domain members and are typically online to issue certificates or certificate policies.

Standalone CA
Standalone CAs can be members of a workgroup or domain. Standalone CAs do not require AD DS and can be used without a network connection (offline).

More about Setup Type

< Previous Next > Configure Cancel

DESTINATION SERVER
bj-scom.btnhd.edu

DESTINATION SERVER
bj-scom.btnhd.edu

1

BPA results

BPA results

Manage Tools View Help

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File View VM

Server Manager

AD CS Configuration

CA Type

Credentials
Role Services
Setup Type
CA Type
Private Key
Cryptography
CA Name
Validity Period
Certificate Database
Confirmation
Progress
Results

Specify the type of the CA

When you install Active Directory Certificate Services (AD CS), you are creating or extending a public key infrastructure (PKI) hierarchy. A root CA is at the top of the PKI hierarchy and issues its own self-signed certificate. A subordinate CA receives a certificate from the CA above it in the PKI hierarchy.

Root CA
Root CAs are the first and may be the only CAs configured in a PKI hierarchy.

Subordinate CA
Subordinate CAs require an established PKI hierarchy and are authorized to issue certificates by the CA above them in the hierarchy.

More about CA Type

< Previous Next > Configure Cancel

DESTINATION SERVER
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DESTINATION SERVER
bj-scom.btnhd.edu

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BPA results

BPA results

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File View VM

Server Manager

AD CS Configuration

Private Key

Credentials Role Services Setup Type CA Type Private Key Cryptography CA Name Validity Period Certificate Database Confirmation Progress

Specify the type of the private key

To generate and issue certificates to clients, a certification authority (CA) must have a private key.

Create a new private key
Use this option if you do not have a private key or want to create a new private key.

Use existing private key
Use this option to ensure continuity with previously issued certificates when reinstalling a CA.

Select a certificate and use its associated private key
Select this option if you have an existing certificate on this computer or if you want to import a certificate and use its associated private key.

Select an existing private key on this computer
Select this option if you have retained private keys from a previous installation or want to use a private key from an alternate source.

More about Private Key

< Previous Next > Configure Cancel

DESTINATION SERVER
bj-scom.btnhd.edu

DESTINATION SERVER
bj-scom.btnhd.edu

1

BPA results

BPA results

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File View VM

Server Manager

AD CS Configuration

Cryptography for CA

Specify the cryptographic options

DESTINATION SERVER
bj-scom.btnhd.edu

Select a cryptographic provider: RSA#Microsoft Software Key Storage Provider

Key length: 2048

Select the hash algorithm for signing certificates issued by this CA:

- SHA256
- SHA384
- SHA512
- SHA1
- MNS

Allow administrator interaction when the private key is accessed by the CA.

More about Cryptography

< Previous Next > Configure Cancel

DESTINATION SERVER
bj-scom.btnhd.edu

on the destination

Hide

1

BPA results

BPA results

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AD CS Configuration

CA Name

- Credentials
- Role Services
- Setup Type
- CA Type
- Private Key
- Cryptography
- CA Name**
- Validity Period
- Certificate Database
- Confirmation

Specify the name of the CA

Type a common name to identify this certification authority (CA). This name is added to all certificates issued by the CA. Distinguished name suffix values are automatically generated but can be modified.

Common name for this CA:

Distinguished name suffix:

Preview of distinguished name:

More about CA Name

< Previous Next > Configure Cancel

< Previous Next > Close Cancel

BPA results

BPA results



Manage

Tools

View

Help

Hide

bj-scom on btnhd

File View VM

Server Manager

AD CS Configuration

Validity Period

Credentials
Role Services
Setup Type
CA Type
Private Key
Cryptography
CA Name
Validity Period
Certificate Database
Confirmation
Progress
Details

Specify the validity period

Select the validity period for the certificate generated for this certification authority (CA):

5 Years

CA expiration Date: 8/22/2022 2:00:00 PM

The validity period configured for this CA certificate should exceed the validity period for the certificates it will issue.

More about Validity Period

< Previous Next > Configure Cancel

DESTINATION SERVER
bj-scom.btnhd.edu

DESTINATION SERVER
bj-scom.btnhd.edu

on the destination

Hide

1

BPA results

BPA results

2:01 PM
8/22/2017

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File View VM

Server Manager

AD CS Configuration

CA Database

Credentials
Role Services
Setup Type
CA Type
Private Key
Cryptography
CA Name
Validity Period
Certificate Database
Confirmation

Specify the database locations

Certificate database location:
C:\Windows\system32\CertLog

Certificate database log location:
C:\Windows\system32\CertLog

DESTINATION SERVER
bj-scom.btnhd.edu

DESTINATION SERVER
bj-scom.btnhd.edu

on the destination

Hide

More about CA Database

< Previous Next > Configure Cancel

BPA results

BPA results

2:01 PM
8/22/2017

bj-scom on btnhd

File View VM

Server Manager

AD CS Configuration

Confirmation

To configure the following roles, role services, or features, click Configure:

Active Directory Certificate Services

Certification Authority

CA Type:	Enterprise Root
Cryptographic provider:	RSA#Microsoft Software Key Storage Provider
Hash Algorithm:	SHA256
Key Length:	2048
Allow Administrator Interaction:	Disabled
Certificate Validity Period:	8/22/2022 2:00:00 PM
Distinguished Name:	CN=btnhd-BJ-SCOM-CA,DC=btnhd,DC=edu
Certificate Database Location:	C:\Windows\system32\CertLog
Certificate Database Log Location:	C:\Windows\system32\CertLog

DESTINATION SERVER
bj-scom.btnhd.edu

on the destination

Hide

< Previous Next > Configure Cancel

BPA results

BPA results

2:01 PM
8/22/2017



AD CS Configuration

Progress

- Databases
- Locations
- All AD
- File and Storage Services
- IIS
- Remote

The following roles, role services, or features are being configured:

Configuring...

Active Directory Certificate Services

Certification Authority

DESTINATION SERVER

bj-scom.btnhd.edu

DESTINATION SERVER

bj-scom.btnhd.edu

s on the destination

Hide

1

Progress or open this details.

< Previous Next > Configure Cancel

< Previous Next >

Close Cancel

BPA results

BPA results



bj-scom on btnhd

File View VM

Server Manager

AD CS Configuration

Results

DESTINATION SERVER
bj-scom.btnhd.edu

The following roles, role services, or features were configured:

Active Directory Certificate Services

Certification Authority Configuration succeeded

[More about CA Configuration](#)

BPA results

BPA results

destination server

Hide

1

< Previous Next > Close Cancel

2:01 PM 8/22/2017

This screenshot shows the 'AD CS Configuration' window in the Server Manager. The left sidebar has 'Results' selected. The main pane displays the configuration results for the 'Certification Authority' role on the destination server 'bj-scom.btnhd.edu'. It shows a green checkmark indicating 'Configuration succeeded'. Below this, there's a link to 'More about CA Configuration'. At the bottom, there are navigation buttons ('< Previous', 'Next >', 'Close', 'Cancel') and two sections labeled 'BPA results'.

Certificate Enrollment

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

Dashboard Local Server All Servers AD CS Programs and Features Power Options Event Viewer System Device Manager Network Connections Disk Management Computer Management Command Prompt Command Prompt (Admin)

PROPERTIES For bj-scom

Computer name	bj-scom	Last installed updates	Yesterday at 3:14 PM
Domain	btnhd.edu	Windows Update	Download updates only, using a managed updating service
		Last checked for updates	Today at 1:58 PM
Windows Firewall	Domain: Off	Windows Defender	Real-Time Protection: On
management	Enabled	Feedback & Diagnostics	Settings
Desktop	Enabled	IE Enhanced Security Configuration	Off
ming	Disabled	Time zone	(UTC-05:00) Eastern Time (US & Canada)
t0	IPv4 address assigned by DHCP, IPv6 enabled	Product ID	Not activated
ng system version	Microsoft Windows Server 2016 Datacenter	Processors	Intel(R) Xeon(R) CPU E5-2440 v2 @ 1.90GHz, Intel(R) Xeon(R) CPU E
re information	VMware, Inc. VMware Virtual Platform	Installed memory (RAM)	12 GB
		Total disk space	199.32 GB

208 total

Name	ID	Severity	Source	Log	Date and Time
	103	Warning	Microsoft-Windows-CertificationAuthority	Application	8/22/2017 2:01:25 PM
	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:54:42 PM
	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:53:30 PM
	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:49:42 PM
	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:44:42 PM

2:04 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

Dashboard Local Server All Servers AD CS File and Storage Services IIS Remote Desktop Services

PROPERTIES For bj-scom

Computer name	bj-scom	Last installed updates	Yesterday at 3:14 PM
Domain	btnhd.edu	Windows Update	Download updates only, using a managed updating service
		Last checked for updates	Today at 1:58 PM
Windows Firewall	Domain: Off	Windows Defender	Real-Time Protection: On
Remote management	Enabled	Feedback & Diagnostics	Settings
Remote Desktop	Enabled	IE Enhanced Security Configuration	Off
NIC Teaming	Disabled	Time zone	(UTC-05:00) Eastern Time (US & Canada)
Ethernet0	IPv4 address assigned by DHCP, IPv6 enabled	Product ID	Not activated
Operating system version	Microsoft Windows Server 2016 Datacenter	Processors	Intel(R) Xeon(R) CPU E5-2440 v2 @ 1.90GHz, Intel(R) Xeon(R) CPU E
Hardware information	VMware, Inc. VMware Virtual Platform	Installed memory (RAM)	12 GB
		Total disk space	199.32 GB

EVENTS

Run

Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.

Open: mmc

OK Cancel Browse...

Source Log Date and Time

Source	Log	Date and Time
Microsoft-Windows-CertificationAuthority	Application	8/22/2017 2:01:25 PM
Microsoft-Windows-DistributedCOM	System	8/22/2017 1:54:42 PM
Microsoft-Windows-DistributedCOM	System	8/22/2017 1:53:30 PM
Microsoft-Windows-DistributedCOM	System	8/22/2017 1:49:42 PM
Microsoft-Windows-DistributedCOM	System	8/22/2017 1:44:42 PM

BI-SCOM 10016_Error

2:04 PM 8/22/2017

File View VM



bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

PROPERTIES
For bj-scom

TASKS

Console1 - [Console Root]

File Action View Favorites Window Help

All Servers AD CS File and Storage IIS Remote Desktop

Local Server

Console Root

Name

Actions

Console Root More Actions

There are no items to show in this view.

0GHz, Intel(R) Xeon(R) CPU E

TASKS

Windows Taskbar

	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:54:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:53:30 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:49:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:44:42 PM

2:04 PM
8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

PROPERTIES
For bj-scom

Dashboard Local Server All Servers AD CS File and Storage IIS Remote Desktop

Console1 - [Console Root]

File Action View Favorites Window Help

New Ctrl+N
Open... Ctrl+O
Save Ctrl+S
Save As...
Add/Remove Snap-in... Ctrl+M
Options...
1 certsrv
2 diskmgmt
Exit

Actions

Console Root More Actions

There are no items to show in this view.

0GHz, Intel(R) Xeon(R) CPU E

TASKS

Windows Taskbar: 2:05 PM 8/22/2017

	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:54:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:53:30 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:49:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:44:42 PM

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

Dashboard Local Server All Servers AD CS File and Storage IIS Remote Desktop

PROPERTIES For bj-scom

Console1 - [Console Root]

Add or Remove Snap-ins

You can select snap-ins for this console from those available on your computer and configure the selected set of snap-ins. For extensible snap-ins, you can configure which extensions are enabled.

Available snap-ins:

Snap-in	Vendor
ActiveX Control	Microsoft Cor...
Authorization Manager	Microsoft Cor...
Certificate Templates	Microsoft Cor...
Certificates	Microsoft Cor...
Certification Authority	Microsoft Cor...
Component Services	Microsoft Cor...
Computer Management	Microsoft Cor...
Device Manager	Microsoft Cor...
Disk Management	Microsoft and...
Enterprise PKI	Microsoft Cor...
Event Viewer	Microsoft Cor...
Folder	Microsoft Cor...
Group Policy Object ...	Microsoft Cor...

Add >

Selected snap-ins:

- Console Root

Edit Extensions... Remove Move Up Move Down Advanced...

Description:
The ActiveX Control snap-in enables you to add an MMC node with a results view containing an ActiveX control.

OK Cancel

Root

Actions

0GHz, Intel(R) Xeon(R) CPU E

TASKS

Windows Taskbar

2:05 PM 8/22/2017

Event ID	Type	Source	Category	System	Time
10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:54:42 PM	
10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:53:30 PM	
10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:49:42 PM	
10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:44:42 PM	

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

Dashboard Local Server All Servers AD CS File and Storage IIS Remote Desktop

PROPERTIES For bj-scom

Console1 - [Console Root]

File Action View

Add or Remove Snap-ins

You can select snap-ins for this console from those available on your computer and configure the selected set of snap-ins. For extensible snap-ins, you can configure which extensions are enabled.

Available snap-ins:

Snap-in	Vendor
ActiveX Control	Microsoft Cor...
Authorization Manager	Microsoft Cor...
Certificate Templates	Microsoft Cor...
Certificates	Microsoft Cor...
Certification Authority	Microsoft Cor...
Component Services	Microsoft Cor...
Computer Management	Microsoft Cor...
Device Manager	Microsoft Cor...
Disk Management	Microsoft and...
Enterprise PKI	Microsoft Cor...
Event Viewer	Microsoft Cor...
Folder	Microsoft Cor...
Group Policy Object ...	Microsoft Cor...

Add >

Selected snap-ins:

- Console Root

Edit Extensions... Remove

Root

Actions

Certificates snap-in

This snap-in will always manage certificates for:

My user account

Service account

Computer account

Finish Cancel

ASKS

System 8/22/2017 1:53:50 PM

System 8/22/2017 1:49:42 PM

System 8/22/2017 1:44:42 PM

2:05 PM 8/22/2017

Windows Internet Explorer File Explorer Task View Start

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

Dashboard Local Server All Servers AD CS File and Storage IIS Remote Desktop

PROPERTIES For bj-scom

Console1 - [Console Root]

File Action View

Add or Remove Snap-ins

You can select snap-ins for this console from those available on your computer and configure the selected set of snap-ins. For extensible snap-ins, you can configure which extensions are enabled.

Available snap-ins:

Snap-in	Vendor
ActiveX Control	Microsoft Cor...
Authorization Manager	Microsoft Cor...
Certificate Templates	Microsoft Cor...
Certificates	Microsoft Cor...
Certification Authority	Microsoft Cor...
Component Services	Microsoft Cor...
Computer Management	Microsoft Cor...
Device Manager	Microsoft Cor...
Disk Management	Microsoft and...
Enterprise PKI	Microsoft Cor...
Event Viewer	Microsoft Cor...
Folder	Microsoft Cor...
Group Policy Object ...	Microsoft Cor...

Add >

Selected snap-ins:

- Console Root

Edit Extensions... Remove

Root

Manage Tools View Help

TASKS

Select Computer

Select the computer you want this snap-in to manage.

This snap-in will always manage:

Local computer: (the computer this console is running on)

Another computer:

Allow the selected computer to be changed when launching from the command line. This only applies if you save the console.

< Back Finish Cancel

System 8/22/2017 1:53:50 PM

System 8/22/2017 1:49:42 PM

System 8/22/2017 1:44:42 PM

ASKS

2:05 PM 8/22/2017

Windows Internet Explorer File Explorer Task View Start

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

Dashboard Local Server All Servers AD CS File and Storage IIS Remote Desktop

PROPERTIES For bj-scom

Console1 - [Console Root]

Add or Remove Snap-ins

You can select snap-ins for this console from those available on your computer and configure the selected set of snap-ins. For extensible snap-ins, you can configure which extensions are enabled.

Available snap-ins:

Snap-in	Vendor
ActiveX Control	Microsoft Cor...
Authorization Manager	Microsoft Cor...
Certificate Templates	Microsoft Cor...
Certificates	Microsoft Cor...
Certification Authority	Microsoft Cor...
Component Services	Microsoft Cor...
Computer Management	Microsoft Cor...
Device Manager	Microsoft Cor...
Disk Management	Microsoft and...
Enterprise PKI	Microsoft Cor...
Event Viewer	Microsoft Cor...
Folder	Microsoft Cor...
Group Policy Object ...	Microsoft Cor...

Add >

Selected snap-ins:

- Console Root
 - Certificates (Local Computer)

Edit Extensions... Remove Move Up Move Down Advanced...

Description:
The Certificates snap-in allows you to browse the contents of the certificate stores for yourself, a service, or a computer.

OK Cancel

Root

Actions

0GHz, Intel(R) Xeon(R) CPU E

TASKS

2:05 PM 8/22/2017

Event ID	Type	Source	Category	System	Time
BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:54:42 PM
BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:53:30 PM
BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:49:42 PM
BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:44:42 PM

Windows Internet Explorer File Explorer Task View Start

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

PROPERTIES
For bj-scom

Local Server

All Servers AD CS File and Storage IIS Remote Desktop

Console1 - [Console Root]

File Action View Favorites Window Help

Console Root Certificates (Local Computer)

Name: Certificates (Local Computer)

Actions: Console Root More Actions

TASKS

Updating service

0GHz, Intel(R) Xeon(R) CPU E

TASKS

BJ-SCOM 10016 Error Microsoft-Windows-DistributedCOM System 8/22/2017 1:54:42 PM

BJ-SCOM 10016 Error Microsoft-Windows-DistributedCOM System 8/22/2017 1:53:30 PM

BJ-SCOM 10016 Error Microsoft-Windows-DistributedCOM System 8/22/2017 1:49:42 PM

BJ-SCOM 10016 Error Microsoft-Windows-DistributedCOM System 8/22/2017 1:44:42 PM

2:06 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Server Manager > Local Server

PROPERTIES For bj-scom

Console1 - [Console Root\Certificates (Local Computer)\Personal]

File Action View Favorites Window Help

Local Server

All Servers AD CS File and Storage IIS Remote Desktop

Console Root Certificates (Local Computer) Personal

Object Type Certificates

Actions Personal More Actions

Find Certificates... All Tasks Find Certificates... Refresh

All Tasks View Request New Certificate... Import...

New Window from Here New Taskpad View... Advanced Operations

Help

Contains actions that can be performed on the item.

	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:54:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:53:30 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:49:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:44:42 PM

2:07 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

PROPERTIES For bj-scom

Local Server

All Servers AD CS File and Storage IIS Remote Desktop

Console1 - [Console Root\Certificates (Local Computer)\Personal]

File Action View F W H

Certificate Enrollment

Before You Begin

The following steps will help you install certificates, which are digital credentials used to connect to wireless networks, protect content, establish identity, and do other security-related tasks.

Before requesting a certificate, verify the following:

Your computer is connected to the network
You have credentials that can be used to verify your right to obtain the certificate

Next Cancel

0GHz, Intel(R) Xeon(R) CPU E

Tasks

Windows Taskbar

	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:54:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:53:30 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:49:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:44:42 PM

2:07 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

PROPERTIES For bj-scom

Console1 - [Console Root\Certificates (Local Computer)\Personal]

File Action View F W H

Local Server

All Servers AD CS File and Storage IIS Remote Desktop

Certificate Enrollment

Select Certificate Enrollment Policy

Certificate enrollment policy enables enrollment for certificates based on predefined certificate templates. Certificate enrollment policy may already be configured for you.

Configured by your administrator

Active Directory Enrollment Policy

Add New

Configured by you

Next Cancel

0GHz, Intel(R) Xeon(R) CPU E

Tasks

Windows Taskbar

	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:54:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:53:30 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:49:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:44:42 PM

2:07 PM 8/22/2017

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

PROPERTIES For bj-scom

Console1 - [Console Root\Certificates (Local Computer)\Personal]

File Action View F W H

Certificate Enrollment

Request Certificates

You can request the following types of certificates. Select the certificates you want to request, and then click Enroll.

Active Directory Enrollment Policy

Computer STATUS: Available Details ▾

Show all templates

Enroll Cancel

Tasks

Dashboard

Local Server

All Servers

AD CS

File and Storage

IIS

Remote Desktop

Console Root

Certificates (Local Computer)

Personal

Certificates

- > Trusted Root Certificates
- > Enterprise Trust
- > Intermediate Certificates
- > Trusted Publishers
- > Untrusted Certificates
- > Third-Party Root Certificates
- > Trusted People
- > Client Authentication
- > Preview Build Roots
- > Remote Desktop
- > Smart Card Trustee
- > SMS
- > Trusted Devices
- > Web Hosting
- > Windows Live ID

TASKS

0.00 GHz, Intel(R) Xeon(R) CPU E

Windows Taskbar:

- Windows icon
- Search icon
- Start button
- Internet Explorer icon
- File Explorer icon
- Task View icon
- File icon
- Recycle Bin icon
- System tray icons: battery, signal strength, volume, date/time (2:07 PM 8/22/2017)

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

PROPERTIES
For bj-scom

Dashboard Local Server All Servers AD CS File and Storage IIS Remote Desktop

Console1 - [Console Root\Certificates (Local Computer)\Personal]

File Action View F W H

Certificate Enrollment

Certificate Installation Results

The following certificates have been enrolled and installed on this computer.

Active Directory Enrollment Policy

Computer STATUS: Succeeded Details

Finish

0GHz, Intel(R) Xeon(R) CPU E

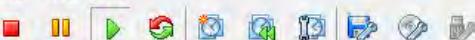
Tasks

Windows Event Log

	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:54:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:53:30 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:49:42 PM
	BJ-SCOM	10016	Error	Microsoft-Windows-DistributedCOM	System	8/22/2017 1:44:42 PM

2:08 PM 8/22/2017

File View VM



Console1 - [Console Root\Certificates (Local Computer)\Personal\Certificates]

X

File Action View Favorites Window Help



Console Root	Issued To	Issued By	Expiration Date	Intended Purposes	Friendly Name	Status	Certificate
Certificates (Local Computer)	bj-scom.btnhd.edu	bj-scom.btnhd.edu	2/20/2018	Server Authenticati...	<None>		
Personal	bj-scom.btnhd.edu	btnhd-BJ-SCOM-CA	8/22/2018	Client Authenticati...	<None>	Computer	
Certificates	btnhd-BJ-SCOM-CA	btnhd-BJ-SCOM-CA	8/22/2022	<All>	<None>	Root Certi	

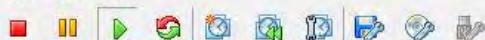
Actions
Certificates
More Actions
bj-scom.btnhd.edu
More Actions

Personal store contains 3 certificates.

2:09 PM
8/22/2017

SQL Server Configuration

File View VM



Recycle Bin

Recently added

Windows Server

- SQL Server 2014 Profiler
- Deployment Wizard
- SQL Server 2014 Database Engine...

Expand ▾

Most used

- Snipping Tool
- Paint

M

- Microsoft SQL Server 2008 New
- Microsoft SQL Server 2014 New
- Deployment Wizard New
- Download Microsoft SQL Server... New
- SQL Server 2014 Configuration... New
- SQL Server 2014 Data Profile Vie... New
- SQL Server 2014 Database Engin... New
- SQL Server 2014 Deployment Wi... New
- SQL Server 2014 Error and Usag...



Activate Windows
Go to Settings to activate Windows.

File View VM



bj-scom on btnhd

File View VM

Sql Server Configuration Manager

File Action View Help

SQL Server Configuration Manager (Local)

- SQL Server Services
- SQL Server Network Configuration (32bit)
- SQL Native Client 11.0 Configuration (32bit)
- SQL Server Network Configuration
- SQL Native Client 11.0 Configuration

Name	State	Start Mode	Log On As	Process ID
SQL Server (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLSERVER	3104
SQL Server Reporting Services (MSSQLSERV...)	Running	Automatic	NT Service\ReportServer	3096
SQL Server Browser	Stopped	Other (Boot, Syste...)	NT AUTHORITY\LOCALSERVICE	0
SQL Server Agent (MSSQLSERVER)	Running	Automatic	NT Service\SQLSERVERAGENT	4980

Activate Windows
Go to Settings to activate Windows



2:17 PM
8/23/2017

bj-scom on btnhd

File View VM

Sql Server Configuration Manager

File Action View Help

SQL Server Configuration Manager (Local)

- SQL Server Services
- SQL Server Network Configuration (32bit)
- SQL Native Client 11.0 Configuration (32bit)
- SQL Server Network Configuration
- SQL Native Client 11.0 Configuration

Name	State	Start Mode	Log On As	Process ID
SQL Server (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLSERVER	3104
SQL Server Rep.	Running	Automatic	NT Service\ReportServer	3096
SQL Server Bro.	Stopped	Other (Boot, Syste...)	NT AUTHORITY\LOCALSERVICE	0
SQL Server Agent	Running	Automatic	NT Service\SQLSERVERAGENT	4980

Activate Windows
Go to Settings to activate Windows



2:17 PM
8/23/2017

bj-scom on btnhd

File View VM

Sql Server Configuration Manager

File Action View Help

SQL Server Configuration Manager (Local)

- SQL Server Services
- SQL Server Network Configuration (32bit)
- SQL Native Client 11.0 Configuration (32bit)
- SQL Server Network Configuration
- SQL Native Client 11.0 Configuration

Name State Start Mode Log On As Process ID

SQL Server (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLSERVER	3104
SQL Server Reporting Services (MSSQLSRS)	Running	Automatic	NT Service\ReportServer	3096
SQL Server Browser			LOCALSERVICE	0
SQL Server Agent (MSSQLS)			SQLSERVERAGENT	4980

SQL Server (MSSQLSERVER) Properties

AlwaysOn High Availability Startup Parameters Advanced

Log On Service FILESTREAM

Log on as:

Built-in account:
 This account:

Account Name: NT Service\MSSQLSERVER Browse

Password: *****

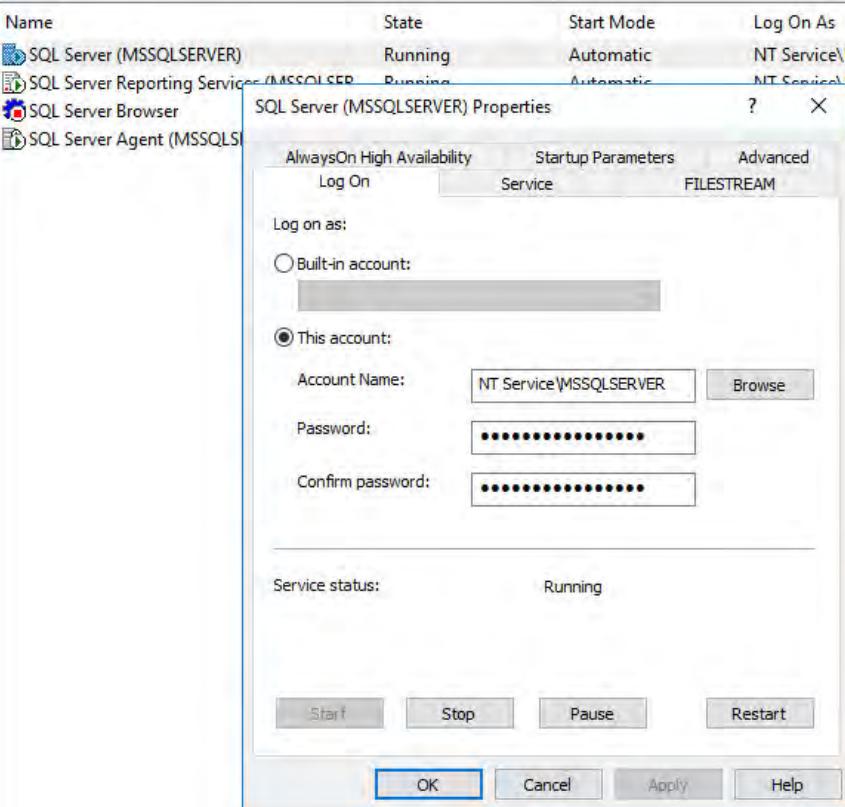
Confirm password: *****

Service status: Running

Start Stop Pause Restart

OK Cancel Apply Help

Activate Windows
Go to Settings to activate Windows



bj-scom on btnhd

File View VM

Sql Server Configuration Manager

File Action View Help

SQL Server Configuration Manager (Local)

- SQL Server Services
- SQL Server Network Configuration (32bit)
- SQL Native Client 11.0 Configuration (32bit)
- SQL Server Network Configuration
- SQL Native Client 11.0 Configuration

Name State Start Mode Log On As Process ID

SQL Server (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLSERVER	3104
SQL Server Reporting Services (MSSQLCRS)	Running	Automatic	NT Service\ReportServer	3096
SQL Server Browser	Running	Automatic	SYSTEM\LOCALSERVICE	0
SQL Server Agent (MSSQLS)	Running	Automatic	SYSTEM\LOCALSERVICE	4980

Select User or Group

Select this object type: User or Built-in security principal Object Types...

From this location: BJ-SCOM Locations...

Enter the object name to select (examples):

Advanced... OK Cancel

Service status: Running

Start Stop Pause Restart

OK Cancel Apply Help

Activate Windows
Go to Settings to activate Windows



bj-scom on btnhd

File View VM

Sql Server Configuration Manager

File Action View Help

SQL Server Configuration Manager (Local)

- SQL Server Services
- SQL Server Network Configuration (32bit)
- SQL Native Client 11.0 Configuration (32bit)
- SQL Server Network Configuration
- SQL Native Client 11.0 Configuration

Name	State	Start Mode	Log On As	Process ID
SQL Server (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLSERVER	3104
SQL Server Reporting Services (MSSQLSRS)	Running	Automatic	NT Service\ReportServer	3096
SQL Server Browser	SQL Server (MSSQLSERVER) Properties		ITY\LOCALSERVICE	0
SQL Server Agent (MSSQLS)			AGENT	4980

Select User or Group:

Select this object type:
User or Built-in security principal Object Types ...

From this location:
BJ-SCOM Locations...

Enter the object name to select (examples):

Advanced...

Service status: Running

Start Stop Pause

OK Cancel Apply Help

Locations

Select the location you want to search.

Location:

- BJ-SCOM
- Entire Directory

OK Cancel

Activate Windows
Go to Settings to activate Windows



bj-scom on btnhd

File View VM

Sql Server Configuration Manager

File Action View Help

SQL Server Configuration Manager (Local)

- SQL Server Services
- SQL Server Network Configuration (32bit)
- SQL Native Client 11.0 Configuration (32bit)
- SQL Server Network Configuration
- SQL Native Client 11.0 Configuration

Name State Start Mode Log On As Process ID

SQL Server (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLSERVER	3104
SQL Server Reporting Services (MSSQLCRS)	Running	Automatic	NT Service\ReportServer	3096
SQL Server Browser	Running	Automatic	SYSTEM\LOCALSERVICE	0
SQL Server Agent (MSSQLS)	Running	Automatic	SYSTEM\LOCALSERVICE	4980

SQL Server (MSSQLSERVER) Properties

Select User, Service Account, or Group

Select this object type: User or Built-in security principal Object Types...

From this location: Entire Directory Locations...

Enter the object name to select (examples): SQLSVC (SQLSVC@btnhd.edu) Check Names

Advanced... OK Cancel

Service status: Running

Start Stop Pause Restart

OK Cancel Apply Help

Activate Windows
Go to Settings to activate Windows

File View VM



Sql Server Configuration Manager

x

File Action View Help



- SQL Server Configuration Manager (Local)
 - SQL Server Services
 - SQL Server Network Configuration (32bit)
 - SQL Native Client 11.0 Configuration (32bit)
 - SQL Server Network Configuration
 - SQL Native Client 11.0 Configuration

Name	State	Start Mode	Log On As	Process ID
SQL Server (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLSERVER	3104
SQL Server Reporting Services (MSSQLSRS)	Running	Automatic	NT Service\ReportServer	3096
SQL Server Browser	SQL Server (MSSQLSERVER) Properties		LOCALSERVICE	0
SQL Server Agent (MSSQLS)			QLSERVERAGENT	4980

AlwaysOn High Availability Startup Parameters Advanced

Log On Service FILESTREAM

Log on as:

Built-in account:
 This account:

Account Name:

Password:

Confirm password:

Service status: Running

Start Stop Pause

OK Cancel Apply Help

Confirm Account Change

!

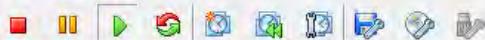
 This will cause the service to be restarted. Do you want to continue?

Yes No

Activate Windows
Go to Settings to activate Windows



File View VM



Sql Server Configuration Manager

File Action View Help



- SQL Server Configuration Manager (Local)
 - SQL Server Services
 - SQL Server Network Configuration (32bit)
 - SQL Native Client 11.0 Configuration (32bit)
 - SQL Server Network Configuration
 - SQL Native Client 11.0 Configuration

Name	State	Start Mode	Log On As	Process ID
SQL Server (MSSQLSERVER)	Running	Automatic	BTNHDI\SQLSVC	3808
SQL Server Agent (MSSQLSERVER)	Stopped	Automatic	BTNHDI\SQLSVC	0
SQL Server Browser	Stopped	Other (Boot, Syste...)	NT AUTHORITY\LOCALSERVICE	0
SQL Server Reporting Services (MSSQLSER...	Running	Automatic	NT Service\ReportServer	3096

Activate Windows
Go to Settings to activate Windows



2:19 PM
8/23/2017

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File View VM

File View VM

https://www.microsoft.com/en-us/download/details.aspx?id=45496

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Download Microsoft® SQ...

Download Center Windows Office Web browsers Developer tools Xbox Windows Phone

The new Surface Pro

The most versatile laptop

SHOP NOW >



MICROSOFT® REPORT VIEWER 2015 RUNTIME

Select Language: English

Download

Activate Windows
Go to Settings to activate Windows

2:26 PM
8/23/2017

bj-scom on btnhd

File View VM

File Edit View Insert Tools Options Help

https://www.microsoft.com/en-us/download/details.aspx?id=42295

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A fast and secure browser that's designed for Windows 10

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Activate Windows
Go to Settings to activate Windows

2:26 PM
8/23/2017

bj-scom on btnhd

File View VM

File View VM

https://www.microsoft.com/en-us/download/details.aspx?id=42295

Download Microsoft® SQL ...

Choose the download you want

File Name	Size
ENU\X64\SqlBackupAndRestore.msi	1.4 MB
ENU\x64\SqlDom.msi	2.5 MB
ENU\x64\sqlIs.msi	33.2 MB
<input checked="" type="checkbox"/> ENU\x64\SQLSysClrTypes.msi	4.1 MB
ENU\x64\SqlUA.msi	12.7 MB
ENU\x64\SSBEAS.msi	2.5 MB
ENU\x64\StreamInsight.msi	12.8 MB

Download Summary:

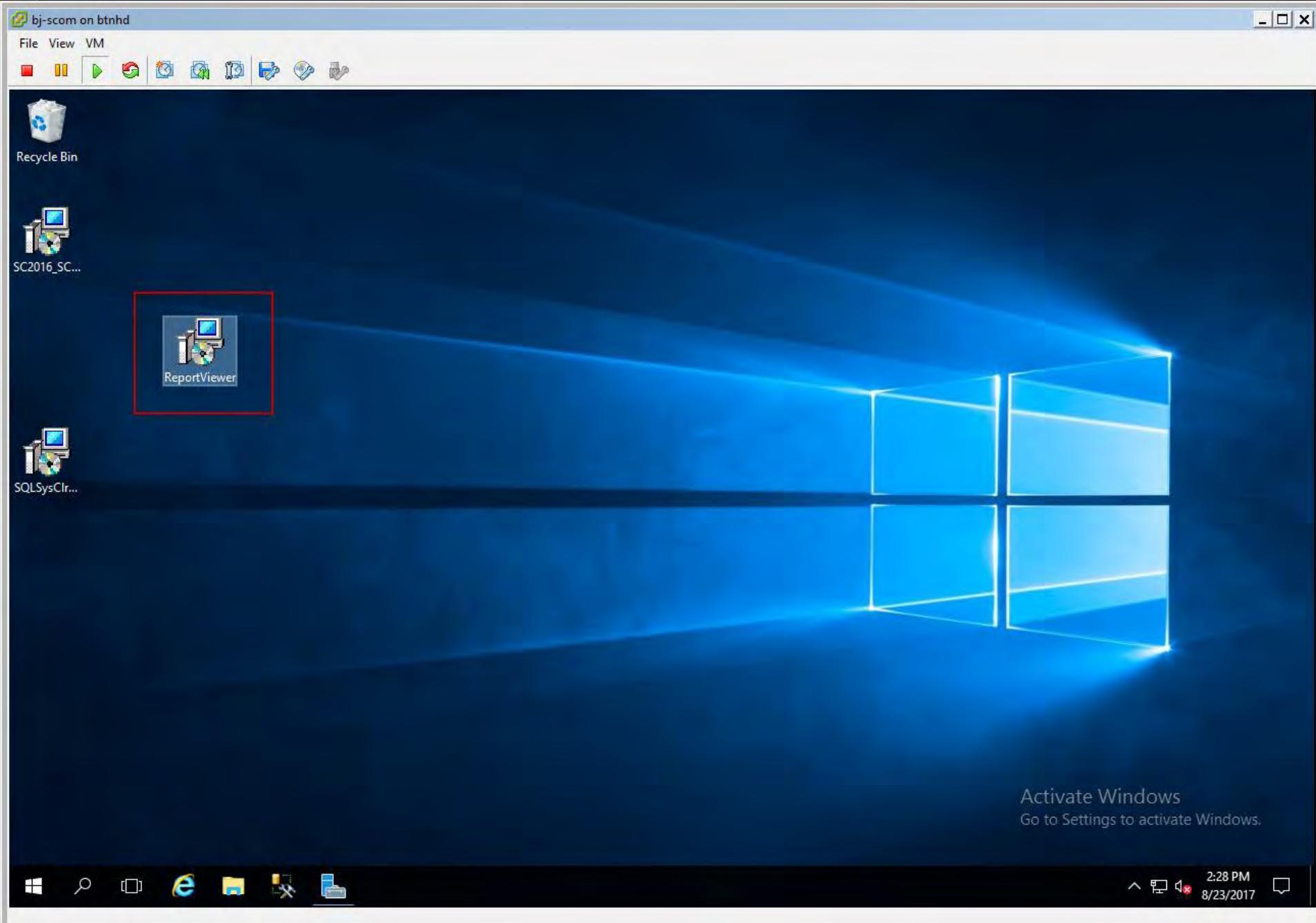
1. ENU\x64\SQLSysClrTypes.msi

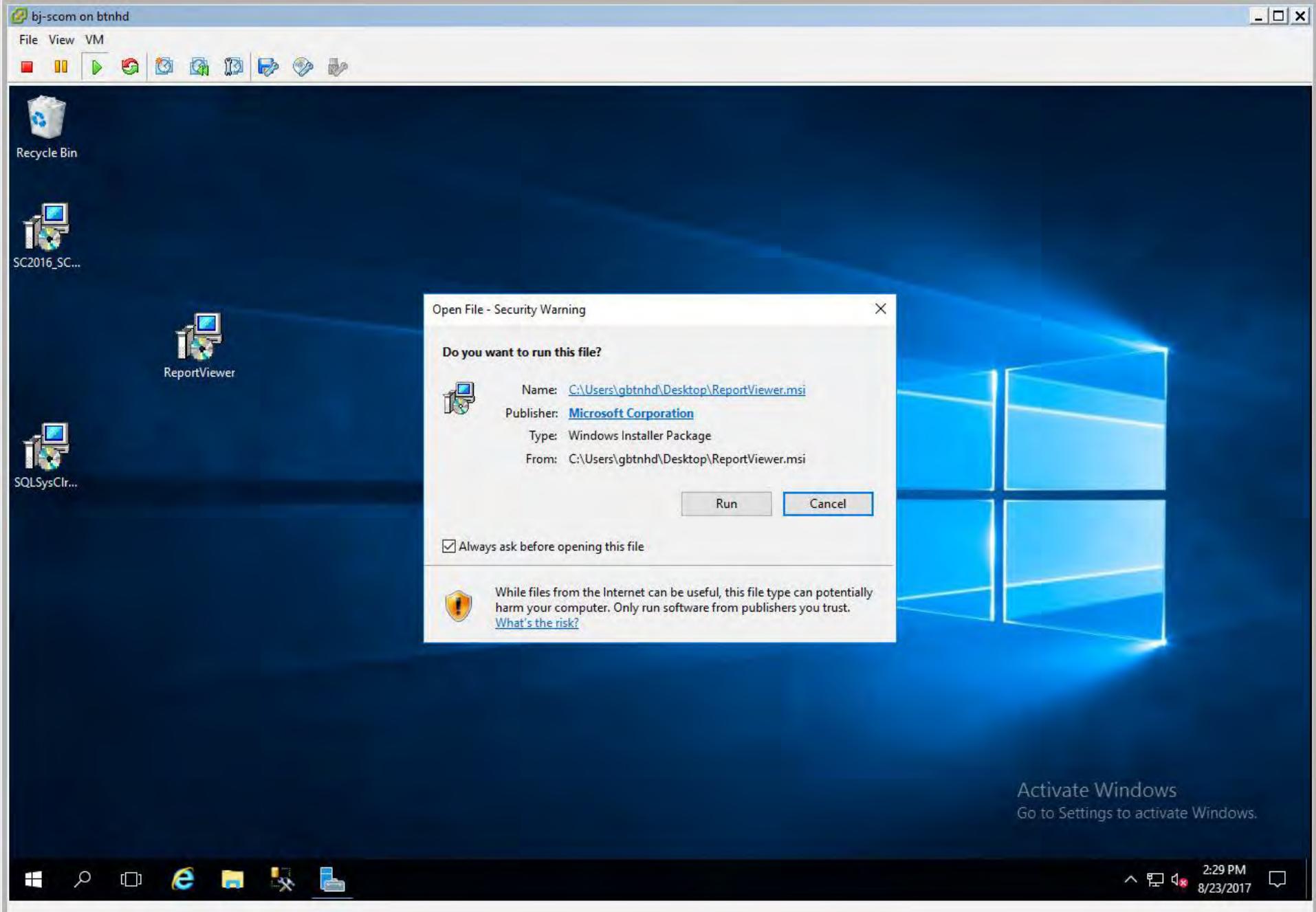
Total Size: 4.1 MB

Next

The screenshot shows a Windows operating system desktop with a Microsoft Internet Explorer window open. The window title is "bj-scom on btnhd". The menu bar includes "File", "View", and "VM". The toolbar contains icons for back, forward, search, and other navigation functions. The address bar shows the URL "https://www.microsoft.com/en-us/download/details.aspx?id=42295". The main content area displays a list of Microsoft SQL Server files for download, with the "SQLSysClrTypes.msi" file selected. To the right of the list is a "Download Summary" section showing the total size of the selected files. At the bottom of the window is a "Next" button. The status bar at the bottom of the screen shows "Activate Windows Go to Settings to activate Windows.", the date and time "2:28 PM 8/23/2017", and standard system icons.







File View VM



Recycle Bin



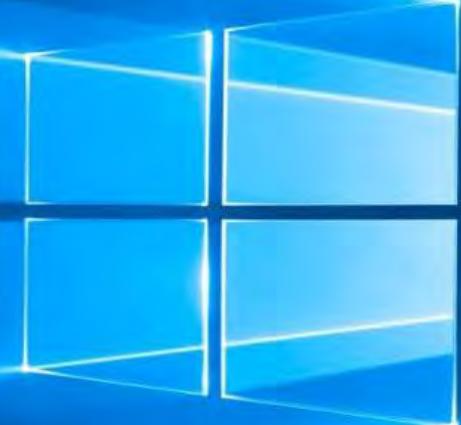
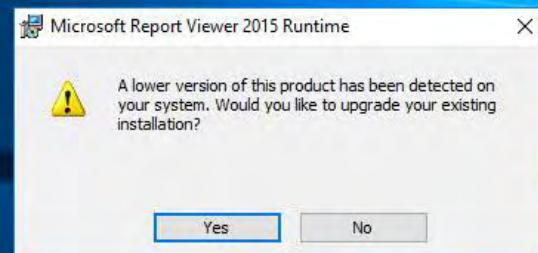
SC2016_SC...



SQLSysClr...



ReportViewer



Activate Windows
Go to Settings to activate Windows.



File View VM



Recycle Bin



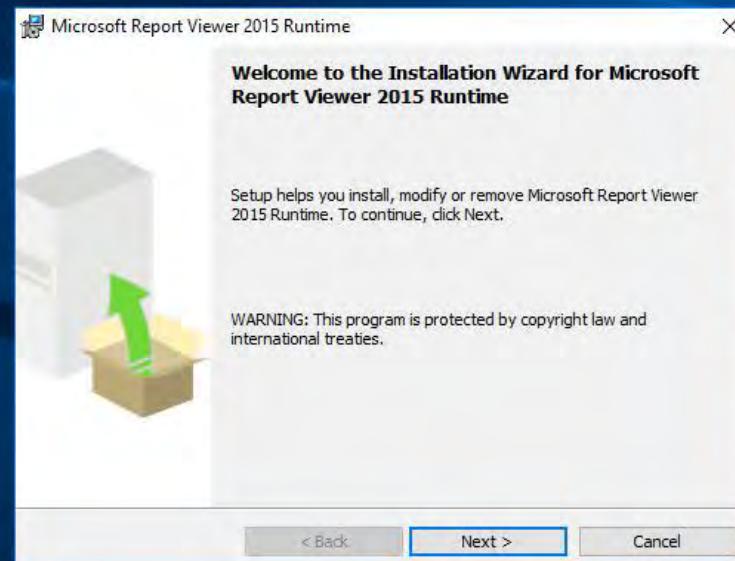
SC2016_SC...



SQLSysClr...



ReportViewer



Activate Windows
Go to Settings to activate Windows.



File View VM



Recycle Bin



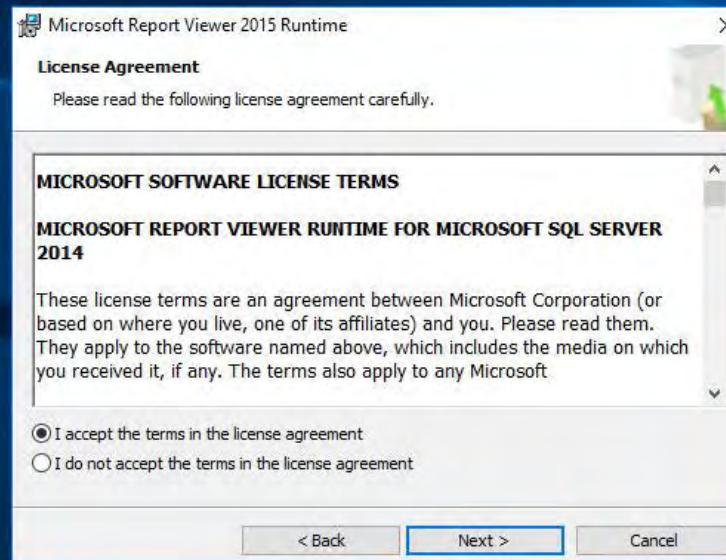
SC2016_SC...



SQLSysClr...

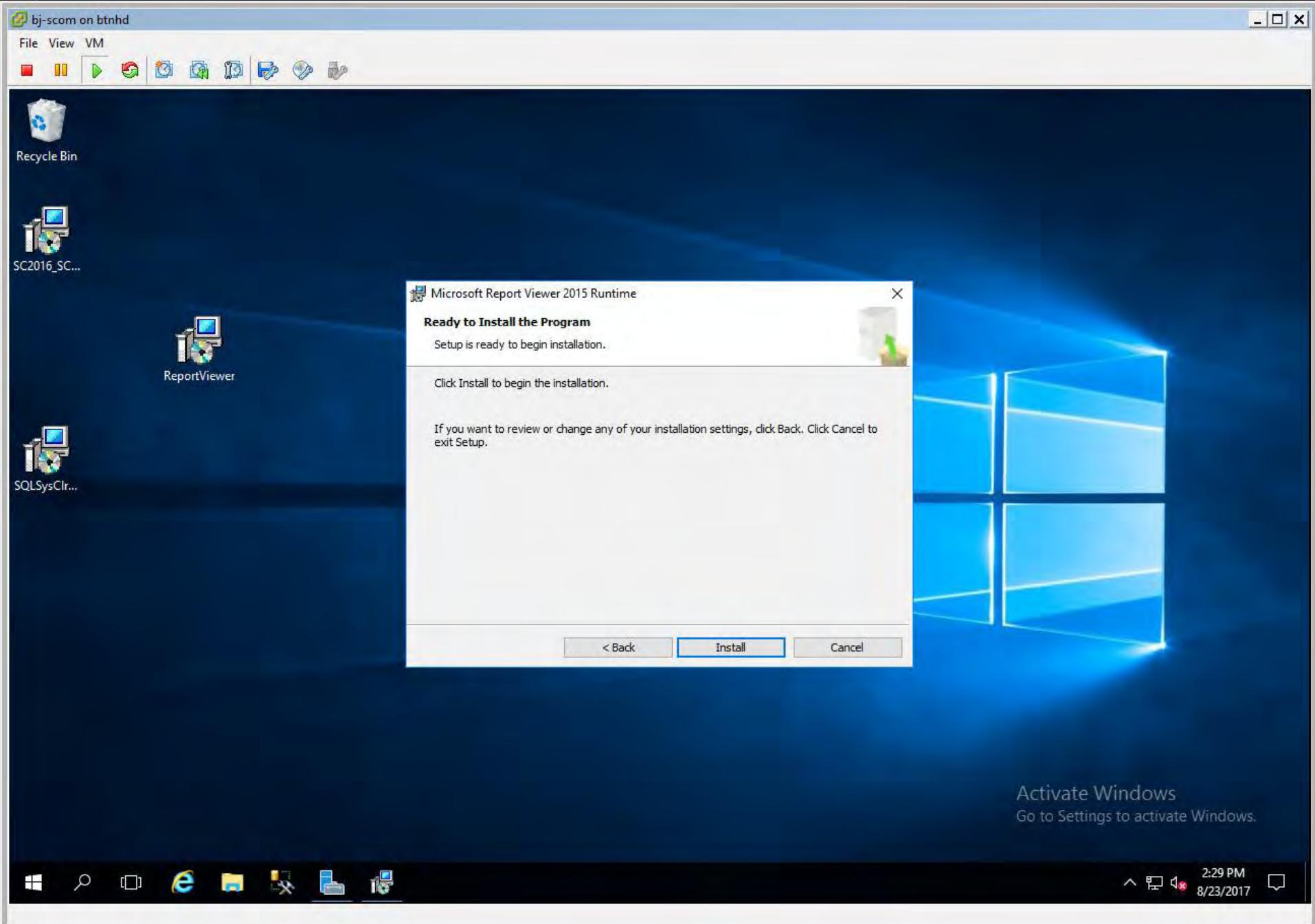


ReportViewer



Activate Windows
Go to Settings to activate Windows.





File View VM



User Account Control

X

Do you want to allow this app to make
changes to your device?



SQL Server 2014

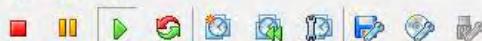
Verified publisher: Microsoft Corporation
File origin: Downloaded from the Internet

[Show more details](#)

Yes

No

File View VM



Recycle Bin



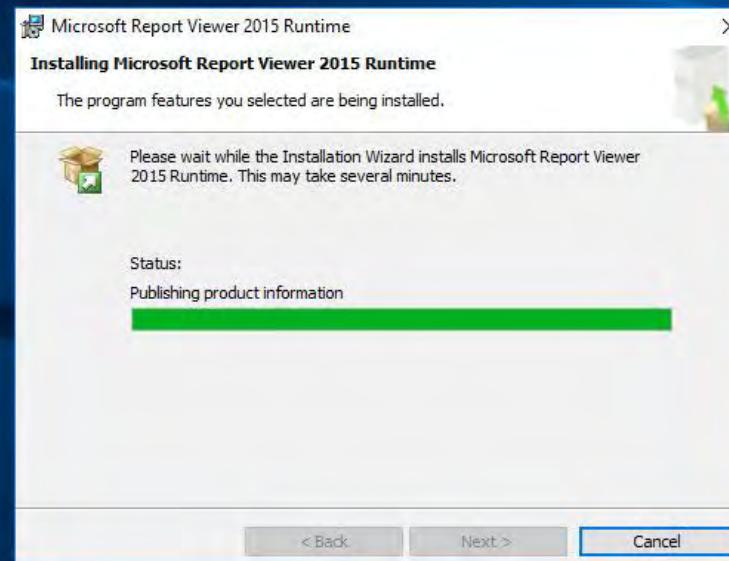
SC2016_SC...



SQLSysClr...

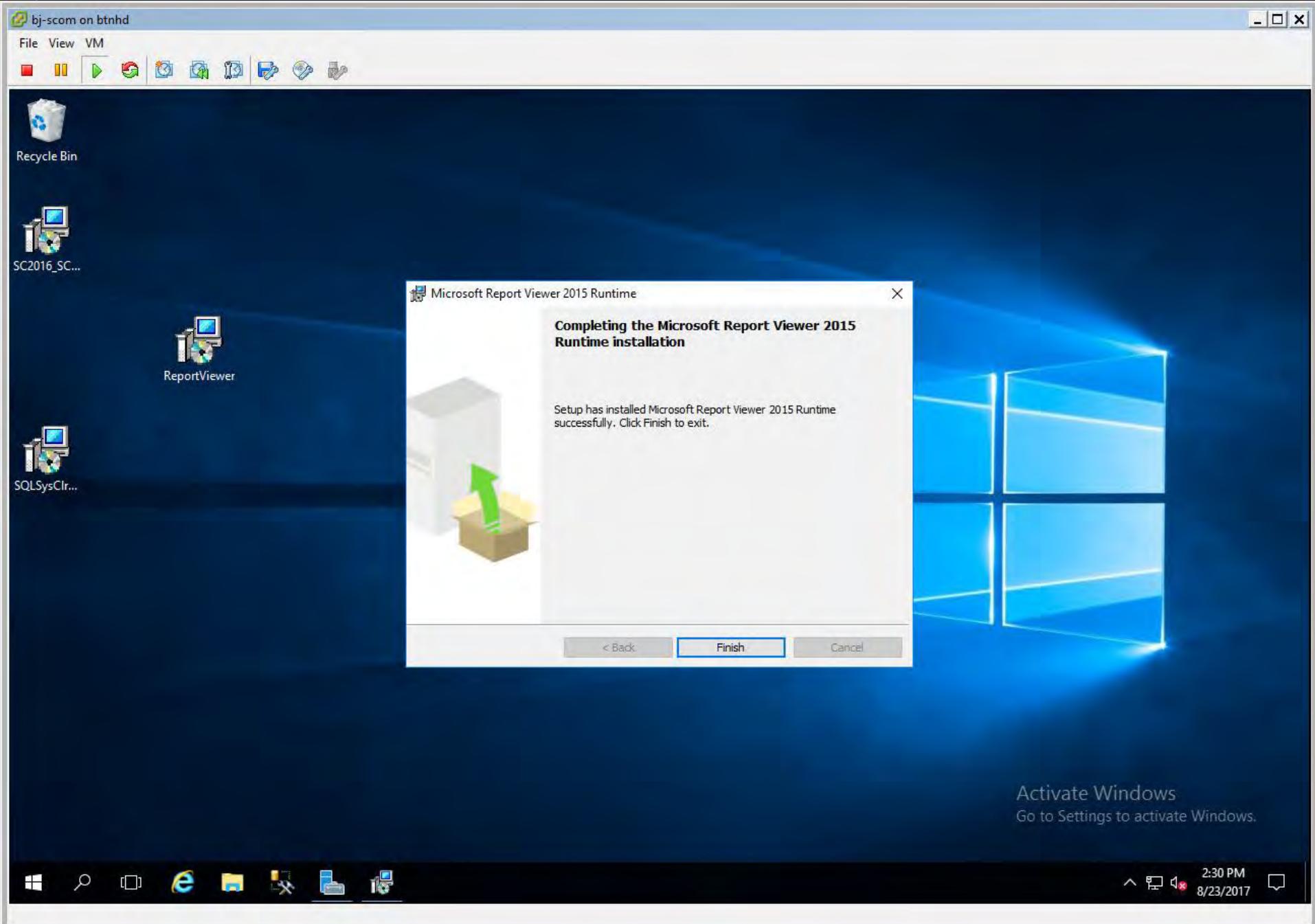


ReportViewer



Activate Windows
Go to Settings to activate Windows.





File View VM



Recycle Bin



SC2016_SC...



ReportViewer



Activate Windows
Go to Settings to activate Windows.



File View VM



Recycle Bin



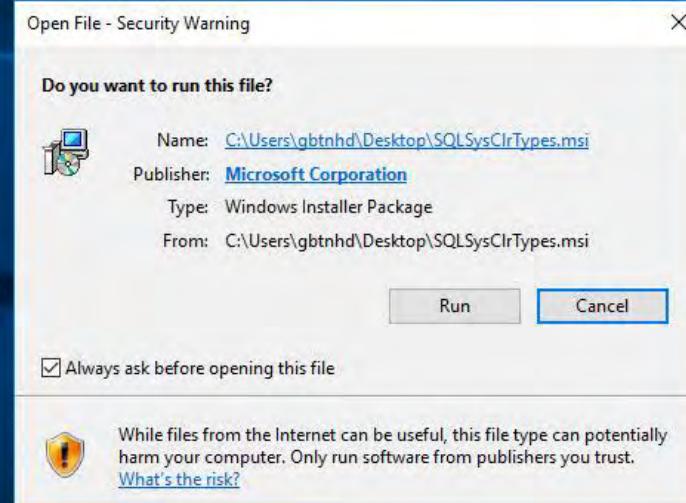
SC2016_SC...



ReportViewer



SQLSysClr...



Activate Windows
Go to Settings to activate Windows.



File View VM



Recycle Bin



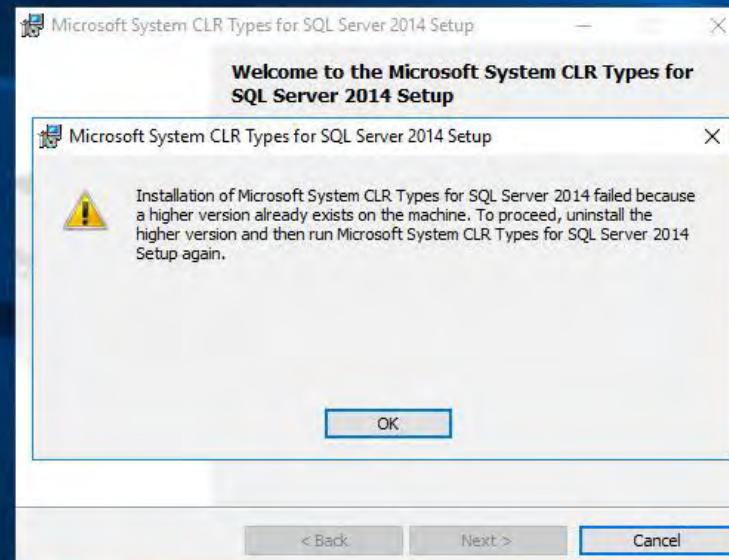
SC2016_SC...



ReportViewer



SQLSysClr...



Activate Windows
Go to Settings to activate Windows.



IIS Configuration

bj-scom on btnhd

File View VM

Server Manager

Server Manager ▶ Local Server

Dashboard Local Server All Servers AD CS File and Storage Services IIS Remote Desktop Services

PROPERTIES For bj-scom

Computer name	bj-scom	Last installed updates	8/21/2017 3:14
Domain	btnhd.edu	Windows Update	Download update
		Last checked for updates	Today at 12:50
Windows Firewall	Domain: Off	Windows Defender	Real-Time Protection
Remote management	Enabled	Feedback & Diagnostics	Settings
Remote Desktop	Enabled	IE Enhanced Security Configuration	Off
NIC Teaming	Disabled	Time zone	(UTC-05:00) Eastern Time (US & Canada)
Ethernet0	IPv4 address assigned by DHCP, IPv6 enabled	Product ID	Not activated
Operating system version	Microsoft Windows Server 2016 Datacenter	Processors	Intel(R) Xeon(R)
Hardware information	VMware, Inc. VMware Virtual Platform	Installed memory (RAM)	12 GB
		Total disk space	199.32 GB

EVENTS

All events | 392 total

Filter	ID	Severity	Source	Log	Date and Time
BJ-SCOM	1013	Error	MsiInstaller	Application	8/23/2017 2:31:42 PM
BJ-SCOM	455	Error	ESENT	Application	8/23/2017 2:19:22 PM
BJ-SCOM	489	Error	ESENT	Application	8/23/2017 2:19:22 PM
BJ-SCOM	490	Error	ESENT	Application	8/23/2017 2:19:12 PM
BJ-SCOM	3409	Error	MSSQLSERVER	Application	8/23/2017 2:19:02 PM

Manage Tools View Help

Certification Authority
Component Services
Computer Management
Defragment and Optimize Drives
Disk Cleanup
Event Viewer
Internet Information Services (IIS) Manager
iSCSI Initiator
Local Security Policy
Microsoft Azure Services
ODBC Data Sources (32-bit)
ODBC Data Sources (64-bit)
Performance Monitor
Print Management
Remote Desktop Services
Resource Monitor
Services
System Configuration
System Information
Task Scheduler
Windows Firewall with Advanced Security
Windows Memory Diagnostic
Windows PowerShell
Windows PowerShell (x86)
Windows PowerShell ISE
Windows PowerShell ISE (x86)
Windows Server Backup

Activate Windows
Go to Settings to activate Windows.

2:33 PM 8/23/2017

bj-scom on btnhd

File View VM

Internet Information Services (IIS) Manager

Start Page

File View Help

Connections

Start Page
BJ-SCOM (BTNHD\gbtnhd)

Microsoft Internet Information Services 10

Application Server Manager

Recent connections

Name	Server
BJ-SCOM	localhost

Connection tasks

- Connect to localhost
- Connect to a server...
- Connect to a site...
- Connect to an application...

Online resources

- IIS News and Information
- IIS Downloads
- IIS Forums
- TechNet
- MSDN
- ASP.NET News
- Microsoft Web Platform

IIS News

IIS News is disabled, click the Enable IIS News link to get the most recent online news.

Enable IIS News

Activate Windows
Go to Settings to activate Windows.

The screenshot shows the Microsoft Internet Information Services (IIS) Manager interface. The title bar reads "bj-scom on btnhd". The menu bar includes "File", "View", "VM", "File", "View", "Help". Below the menu is a toolbar with icons for Stop, Start, Refresh, and others. The main window title is "Internet Information Services (IIS) Manager". A top navigation bar has links for "Start Page", "File", "View", and "Help". On the left, a "Connections" pane shows "Start Page" and "BJ-SCOM (BTNHD\gbtnhd)". The central area displays the "Microsoft Internet Information Services 10 Application Server Manager" dashboard. It features three main sections: "Recent connections" (listing "Name" and "Server" for "BJ-SCOM" and "localhost"), "Connection tasks" (with options to connect to localhost, a server, a site, or an application), and "Online resources" (links to IIS News, Downloads, Forums, TechNet, MSDN, ASP.NET News, and Microsoft Web Platform). At the bottom, a message says "IIS News is disabled, click the Enable IIS News link to get the most recent online news." and "Enable IIS News". A watermark at the bottom right says "Activate Windows Go to Settings to activate Windows.". The taskbar at the bottom shows the Windows logo, a search icon, a folder icon, a file icon, and the Start button. The system tray shows the date and time as "2:34 PM 8/23/2017" and includes icons for network, battery, volume, and other system status.

Ready

2:34 PM
8/23/2017

bj-scom on btnhd

File View VM

Internet Information Services (IIS) Manager

BJ-SCOM > Sites > Default Web Site

Actions

- Explore
- Edit Permissions...
- Edit Site**
- Bindings...
- Basic Settings...
- View Applications
- View Virtual Directories

Default Web Site Home

Filter: Go Show All Group by: Area

ASP.NET

- .NET Authorization
- .NET Compilation
- .NET Error Pages
- .NET Globalization
- .NET Profile
- .NET Roles
- .NET Trust Levels
- .NET Users
- Application Settings
- Connection Strings

IIS

- Authentication
- Compression
- Default Document
- Directory Browsing
- Error Pages
- Failed Request Tracing
- Handler Mappings
- HTTP Redirect
- HTTP Response
- ISAPI Filters

- Logging
- MIME Types
- Modules
- Output Caching
- Request Filtering
- SSL Settings

Management

- Configuration Editor

Activate Windows
Go to Settings to activate Windows.

Features View Content View

Ready

bj-scom on btnhd

File View VM

Internet Information Services (IIS) Manager

BJ-SCOM > Sites > Default Web Site

Default Web Site Home

Site Bindings

Type	Host Name	Port	IP Address	Binding Informa...
http	*	80	*	
https	*	443	*	

Actions

- Explore
- Edit Permissions...
- Edit Site
- Bindings...
- Basic Settings...
- View Applications
- View Virtual Directories
- Manage Website
 - Restart
 - Start
 - Stop
 - Browse *:80 (http)
 - Browse *:443 (https)
 - Advanced Settings...
 - Configure
 - Failed Request Tracing...
 - Limits...
- Help

Features View Content View

Activate Windows
Go to Settings to activate Windows.

Ready



2:35 PM
8/23/2017

bj-scom on btnhd

File View VM

Internet Information Services (IIS) Manager

BJ-SCOM > Sites > Default Web Site

File View Help

Connections

Start Page
BJ-SCOM (BTNHD\gbtnhd)
Application Pools
Sites
Default Web Site

ASP.NET

.NET
Authorization
Machine Key
IIS
Authentication
Logging
Management
Configuration Editor

Site Bindings

Type	Host Name	Port	IP Address	Binding Information
http	*	80	*	
https			All Unassigned	Port: 443

Add... ? X

Edit Site Binding

Type: https IP address: All Unassigned Port: 443

Host name:

Require Server Name Indication

SSL certificate: Select... View...

Actions

Explore Edit Permissions...
Edit Site Bindings... Basic Settings...
View Applications View Virtual Directories
Manage Website
Restart Start Stop
Browse *:80 (http) Browse *:443 (https)
Advanced Settings...
Configure Failed Request Tracing... Limits...
Help

Activate Windows Go to Settings to activate Windows.

Features View Content View

Ready

2:35 PM 8/23/2017

bj-scom on btnhd

File View VM

Internet Information Services (IIS) Manager

BJ-SCOM > Sites > Default Web Site

File View Help

Connections

Start Page

BJ-SCOM (BTNHD\gbtnhd)

Application Pools

Sites

Default Web Site

Default Web Site Home

Filter: Go Show All Group by: Area

ASP.NET

.NET

Authorization

Machine Key

IIS

Authentication

Logging

Management

Configuration Editor

Site Bindings

Type	Host Name	Port	IP Address	Binding Info
http	*	80	*	
https				

Edit Site Binding

Type: https IP address: All Unassigned

Host name:

Require Server Name Indication

SSL certificate: bj-scom.btnhd.edu

Certificate

General Details Certification Path

Certificate Information

This certificate is intended for the following purpose(s):

- Proves your identity to a remote computer
- Ensures the identity of a remote computer

Issued to: bj-scom.btnhd.edu

Issued by: btnhd-BJ-SCOM-CA

Valid from: 8/22/2017 to 8/22/2018

You have a private key that corresponds to this certificate.

OK

Activate Windows

Go to Settings to activate Windows.

Features View Content View

Ready



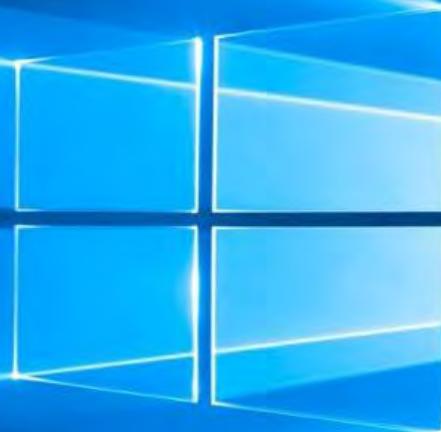
2:37 PM
8/23/2017

Installing SCOM 2016

File View VM



Recycle Bin

SC2016_SCO
M_EN

File View VM



File View VM



Recycle Bin



SC2016_SC...



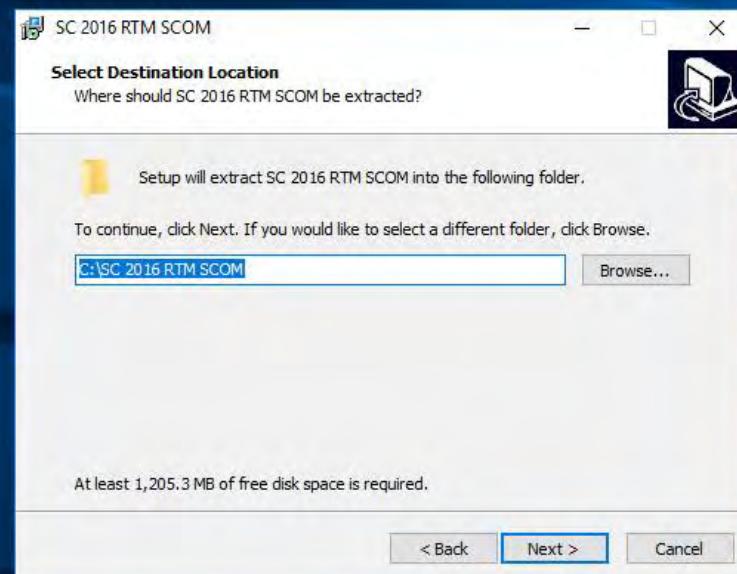
File View VM



Recycle Bin



SC2016_SC...



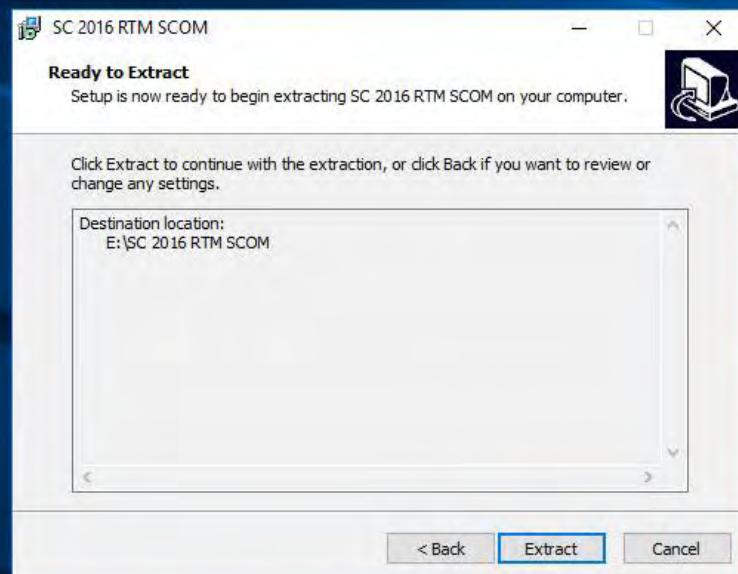
File View VM



Recycle Bin



SC2016_SC...



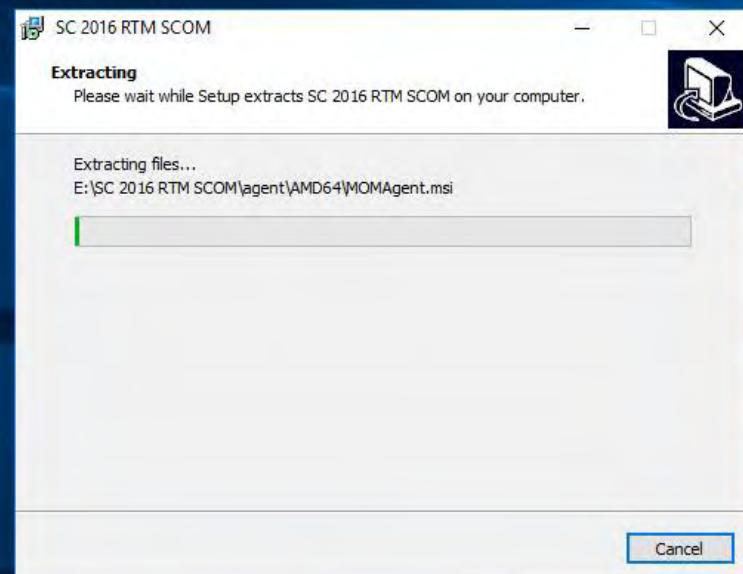
File View VM



Recycle Bin



SC2016_SC...



File View VM

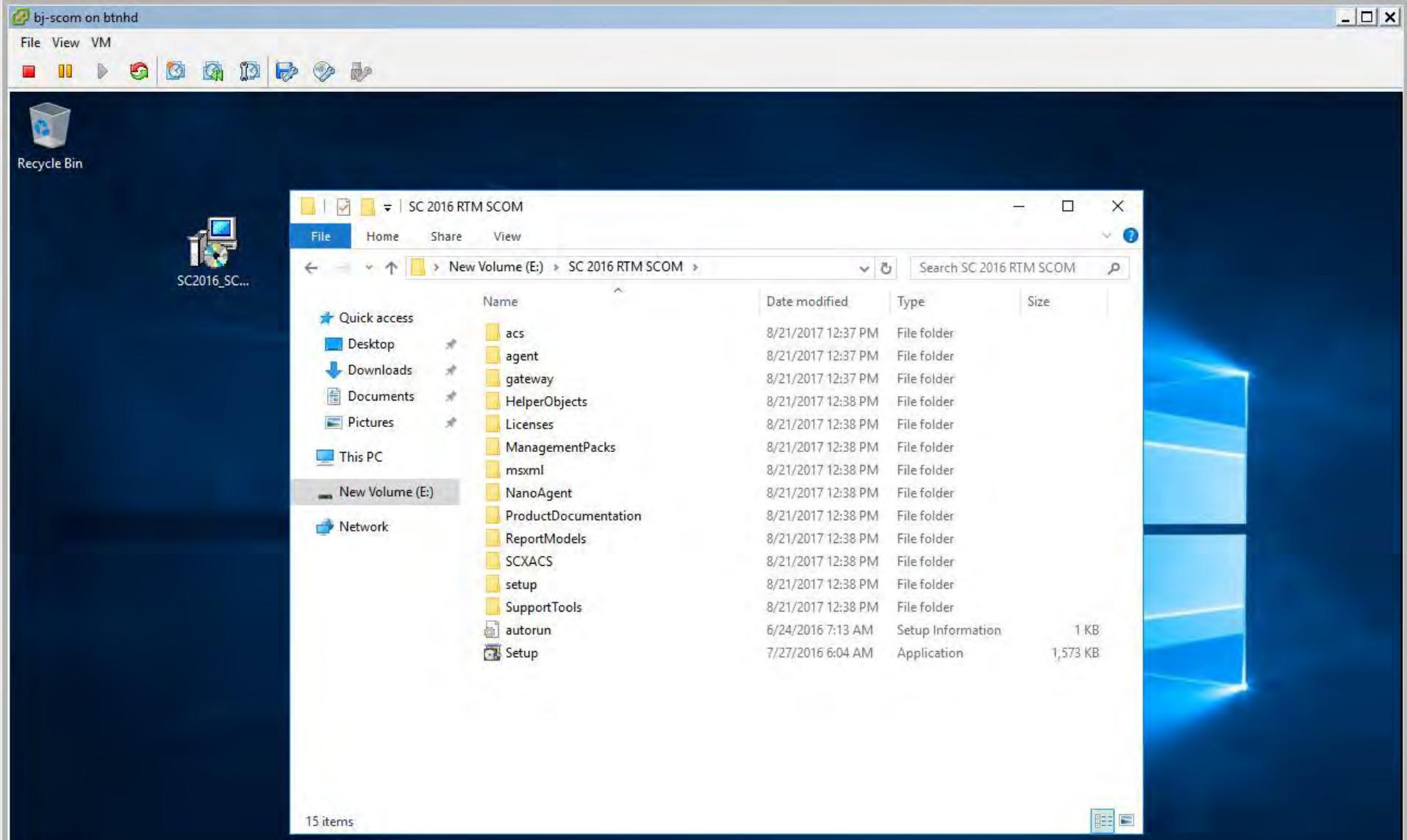


Recycle Bin



SC2016_SC...



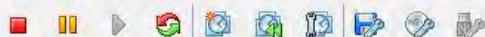


12:39 PM
8/21/2017

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File View VM



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Operations Manager

System Center 2016

Operations Manager

Install

Download the latest updates to the setup program

Optional Installations

- [Local agent](#)
- [Audit collection services](#)
- [Gateway management server](#)
- [Audit Collection Services for UNIX/Linux](#)

Additional Resources

- [Release Notes](#)
- [Installation Guidance](#)
- [Supported Configurations](#)
- [Product Documentation](#)
- [Operations Manager Community](#)

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Exit

Type	Size
File folder	
Setup Information	1 KB
Application	1,573 KB

15 items 1 item selected 1.53 MB



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Operations Manager

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[Install](#)

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Optional Installations

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- [Audit collection services](#)
- [Gateway management server](#)
- [Audit Collection Services for UNIX/Linux](#)

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Product Documentation

Operations Manager Community

Exit

15 items 1 item selected 1.53 MB

Search File folder Size

Microsoft

System Center 2016

Operations Manager

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Product Documentation

Operations Manager Community

Exit

1 KB 1,573 KB



File View VM



Recycle Bin

Operations Manager

Operations Manager Setup

Getting Started

Select features to install

If the operating system on this computer is not supported for one of the features, the feature cannot be installed.

Expand all

- Management server
- Operations console
- Web console
- Reporting server

System C

Operations

Install

 Download the

Optional Installation

[Local agent](#)[Audit collection se](#)[Gateway manager](#)[Audit Collection Se](#)

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Previous

Next >

Cancel

15 items 1 item selected 1.53 MB

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SC2016_SC...



ReportViewer



SQLSysClr...



Cert

System C

Operations

Install

 Download the

Optional Installation

[Local agent](#)[Audit collection se](#)[Gateway manager](#)[Audit Collection Se](#)

Operations Manager

Operations Manager Setup

Getting Started

Select features to install

If the operating system on this computer is not supported for one of the features, the feature cannot be installed.

Expand all

 Management server Operations console Web console Reporting server

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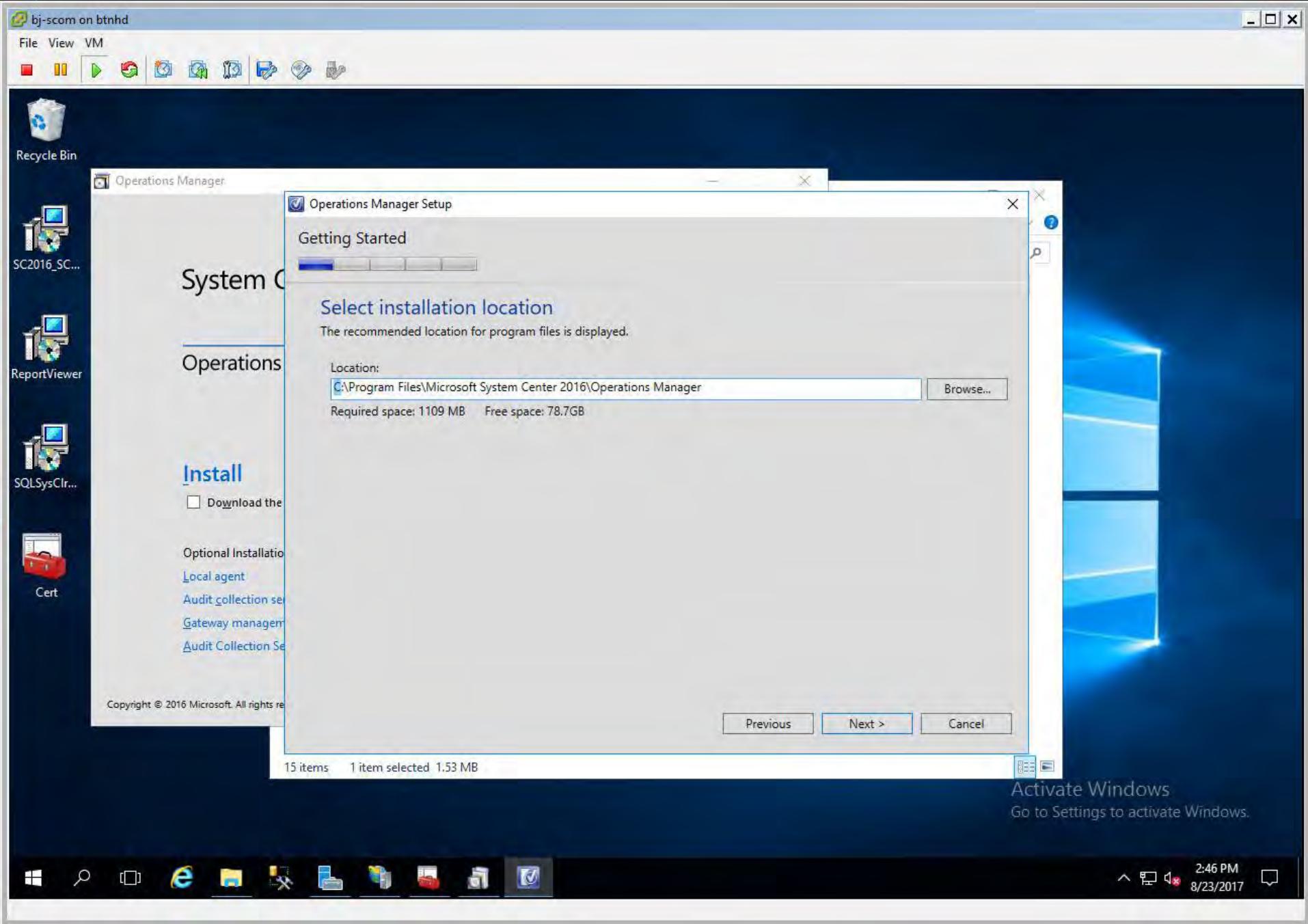
Previous

Next >

Cancel

15 items 1 item selected 1.53 MB







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SC2016_SC...



ReportViewer



SQLSysClr...



Cert

Operations Manager

Operations Manager Setup

Prerequisites



Verifying that your environment has the required hardware and software



System C

Operations

Install

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Optional Installation

[Local agent](#)[Audit collection se](#)[Gateway manager](#)[Audit Collection Se](#)

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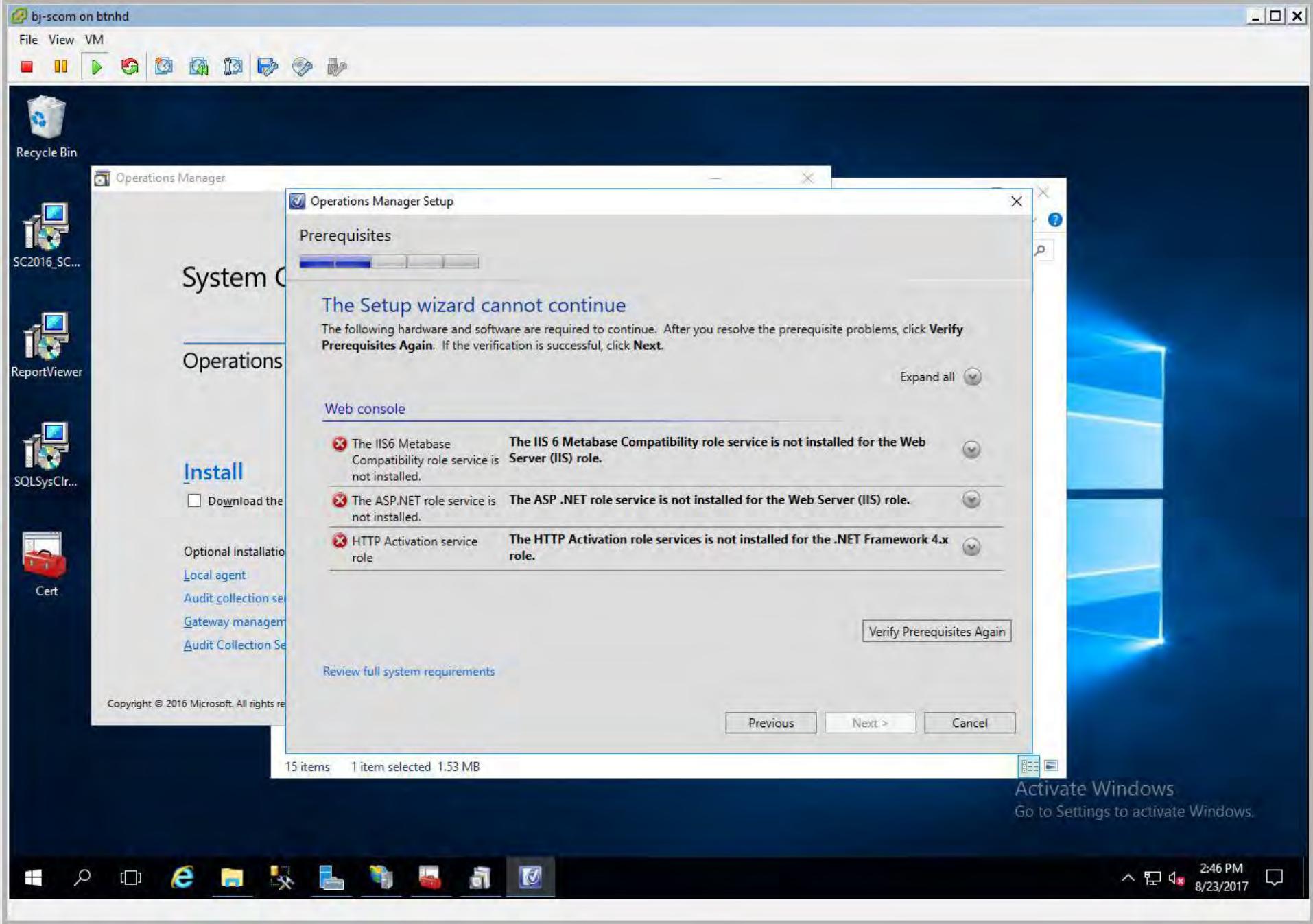
Previous

Next >

Cancel

15 items 1 item selected 1.53 MB





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SC2016_SC...



ReportViewer



SQLSysClr...



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Operations Manager Setup

Prerequisites

Proceed with Setup
All prerequisites have passed.

Sy
Op
In:
Opt
Loc
Aud
Gate
Aud

Review full system requirements

Previous Next > Cancel Exit

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The screenshot shows a Windows 10 desktop environment. A window titled "Operations Manager Setup" is open, specifically the "Prerequisites" step. The window displays a message stating "All prerequisites have passed." Below this, there are several tabs labeled "Sy", "Op", "In:", "Opt", "Loc", "Aud", "Gate", and "Aud". At the bottom of the window, there are buttons for "Previous", "Next >", "Cancel", and "Exit". The status bar at the bottom of the screen shows the copyright notice "Copyright © 2016 Microsoft. All rights reserved." and the system time "3:24 PM 8/23/2017".



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SC2016_SC...



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SQLSysClr...



Cert

Operations Manager Setup

Configuration

Specify an installation option

To proceed with installing a Management server, select an installation option below.

Create the first Management server in a new management group

Setup will create a new Operations Manager management group, operational database, and data warehouse, and then it will install the Management server. After you create a management group, you cannot change its name. Before you proceed, ensure that the management group name is unique.

Management group name:

Add a Management server to an existing management group

If you have an existing management group that contains at least one Management server, Setup will install a new Management server that is linked to the existing operational database and data warehouse.

Next > Previous Cancel Exit

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Operations Manager Setup

Configuration

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MICROSOFT SYSTEM CENTER 2016 STANDARD

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- Internet-based services, and
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As described below, using some features also operates as your consent to automatic updates and the transmission of certain standard computer information for Internet-based services.

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[Read our privacy statement.](#)

Print...

Previous Next > Cancel

Exit

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SQLSysClr...



Cert

Operations Manager Setup

Configuration

Configure the operational database

Before you click **Next**, verify the database name, the instance name, and the port. Ensure that you have sufficient permissions on the database instance.

Server name and instance name: SQL Server port:

Format: server name\instance name

Database name: Database size (MB):

Data file folder: Browse...

Log file folder: Browse...

Options:

Local authentication (checkbox)

Audit trails (checkbox)

Gateways (checkbox)

Audit logs (checkbox)

Previous Next > Cancel Exit

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Operations Manager

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SC2010

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IIS

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System Center

Operations Manager

Install

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Optional installations

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Operations Manager Setup

Configuration

Configure the operational database

Before you click **Next**, verify the database name, the instance name, and the port. Ensure that you have sufficient permissions on the database instance.

Server name and instance name: SQL Server port:

Format: server name\instance name

Database name: Database size (MB):

Data file folder:

Log file folder:



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Operations Manager

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System Center

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Optional Installations

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Operations Manager Setup

Configuration

Configure the data warehouse database

Before you click **Next**, verify the database name, the instance name, and the port. Ensure that you have sufficient permissions on the database instance.

Server name and instance name: SQL Server port:

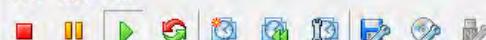
Format: server name\instance name

Create a new data warehouse database
 Use an existing data warehouse from a different management group

Database name: Database size (MB):

Data file folder:

Log file folder:



Operations Manager

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Operations Manager

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Optional Installations

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Operations Manager Setup

Configuration

Configure the data warehouse database

Before you click **Next**, verify the database name, the instance name, and the port. Ensure that you have sufficient permissions on the database instance.

Server name and instance name: SQL Server port:

Format: server name\instance name

Create a new data warehouse database
 Use an existing data warehouse from a different management group

Database name: Database size (MB):

Data file folder:

Log file folder:

File View VM



Operations Manager

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Operations Manager

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Optional Installations

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Operations Manager Setup

Configuration

Specify a web site for use with the Web console

Select an IIS web site to be used for the Web console. Please select an existing web site from the available web sites on the local IIS server.

Web site:

Enable SSL

SSL is required for secure transfer of credential and authentication data between the browser and the web server. It is recommended that SSL is enabled to lower the risk of exposing sensitive data, such as logins, server names, IP addresses, etc. Please refer to the deployment guide for more information about configuring SSL.

⚠ The Reporting component was not installed or is not being installed. If the reporting component is not installed, Application Advisor will not work correctly.

Previous Next > Cancel



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Operations Manager

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Optional installations

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Operations Manager Setup

Configuration

Select an authentication mode for use with the Web console

Select an authentication mode. More information about these authentication mode and using SSL, refer to the Deployment Guide.

Use Mixed Authentication (Forms Authentication)
Use Mixed Authentication for intranet scenarios. User will have to provide user name and password or use current Windows credentials to access the Web console.

Use Network Authentication
Use Network Authentication for extranet scenarios. User will have to provide user name and password to access the Web console.

Previous Next > Cancel



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Operations Manager

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Optional Installations

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Operations Manager Setup

Configuration

Configure Operations Manager accounts

If you want to use a single account for all services, verify that the account has all the required rights. For more information, see the Operations Manager deployment documentation.

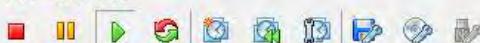
Account Name	Local System	Domain Account	Domain\UserName	Password
Management server action account	<input type="radio"/>	<input checked="" type="radio"/>	<input type="text"/> Domain\UserName	<input type="password"/> *****
System Center Configuration service and System Center Data Access service	<input checked="" type="radio"/>	<input type="radio"/>		
Data Reader account		<input checked="" type="radio"/>	<input type="text"/> Domain\UserName	<input type="password"/> *****
Data Writer account		<input checked="" type="radio"/>	<input type="text"/> Domain\UserName	<input type="password"/> *****

Installation Guide

[Previous](#) [Next >](#) [Cancel](#)



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Operations Manager

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SQLS

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System Center

Operations Manager

Install

 Download the latest update

Optional Installations

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Operations Manager Setup

Configuration

Configure Operations Manager accounts

If you want to use a single account for all services, verify that the account has all the required rights. For more information, see the Operations Manager deployment documentation.

Account Name	Local System	Domain Account	Domain\User Name	Password
Management server action account	<input type="radio"/>	<input checked="" type="radio"/>	btnhd\omaa	*****
System Center Configuration service and System Center Data Access service	<input type="radio"/>	<input checked="" type="radio"/>	btnhd\omdas	*****
Data Reader account	<input type="radio"/>	<input checked="" type="radio"/>	btnhd\omread	*****
Data Writer account	<input type="radio"/>	<input checked="" type="radio"/>	btnhd\omwrite	*****

Installation Guide

Previous Next > Cancel

File View VM



Operations Manager

Rec



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System Center

Operations Manager

Install

 Download the latest upda

Optional Installations

[Local agent](#)[Audit collection services](#)[Gateway management server](#)[Audit Collection Services for](#)

Operations Manager Setup

Configuration

Diagnostic and Usage Data

If you use this Operations Manager console to connect to a Operations Manager management server that is sending Diagnostic and Usage Data to Microsoft, the Operations Manager console will also send this data.

Microsoft automatically collects usage and performance data over the internet ("Data"). Microsoft uses this Data to provide and improve the quality, security and integrity of Microsoft products and services. For example, we analyze performance and reliability, such as what features you use, how quickly the features respond, device performance, user interface interactions, and any problems you experience with the product. Data will also include information about the configuration of your software like the software version you are currently running, and the IP address.

Choice/Control:This feature is on by default. Administrators can turn off this feature anytime by changing the setting found in the Settings workspace of the Operations Manager console. This Notice replaces the Customer Experience Improvement Program (CEIP) description in the Operations Manager section of the Privacy Statement. All other sections of the Privacy Statement apply.

[Privacy Statement for System Center Operations Manager](#)

Previous Next > Cancel



File View VM



Operations Manager

Recy



System Center

Operations Manager

Install

 Download the latest update

Optional Installations

[Local agent](#)[Audit collection services](#)[Gateway management server](#)[Audit Collection Services for](#)

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Operations Manager Setup

Configuration

Microsoft Update

Microsoft Update offers security updates and other important updates for Windows and other Microsoft software, including Operations Manager. Updates can be delivered using Automatic Updates, or you can visit the Microsoft Update web site.

On (recommended)
Use Microsoft Update to check for updates.

Off
Do not automatically check for updates.

[Update Services privacy statement](#)

Previous Next > Cancel





Operations Manager

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GMS

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System Center

Operations Manager

Install

 Download the latest update

Optional installations

[Local agent](#)[Audit collection services](#)[Gateway management server](#)[Audit Collection Services for](#)

Operations Manager Setup

Configuration

Installation Summary

Review your selections for the features that you are installing. To continue, click **Install**. To change your selections, click **Previous**.

Installation location:
C:\Program Files\Microsoft System Center 2016\Operations Manager

Management group name:
NYC

Operational database:
OperationsManager will be created on bj-scom

Database size (MB):
1000

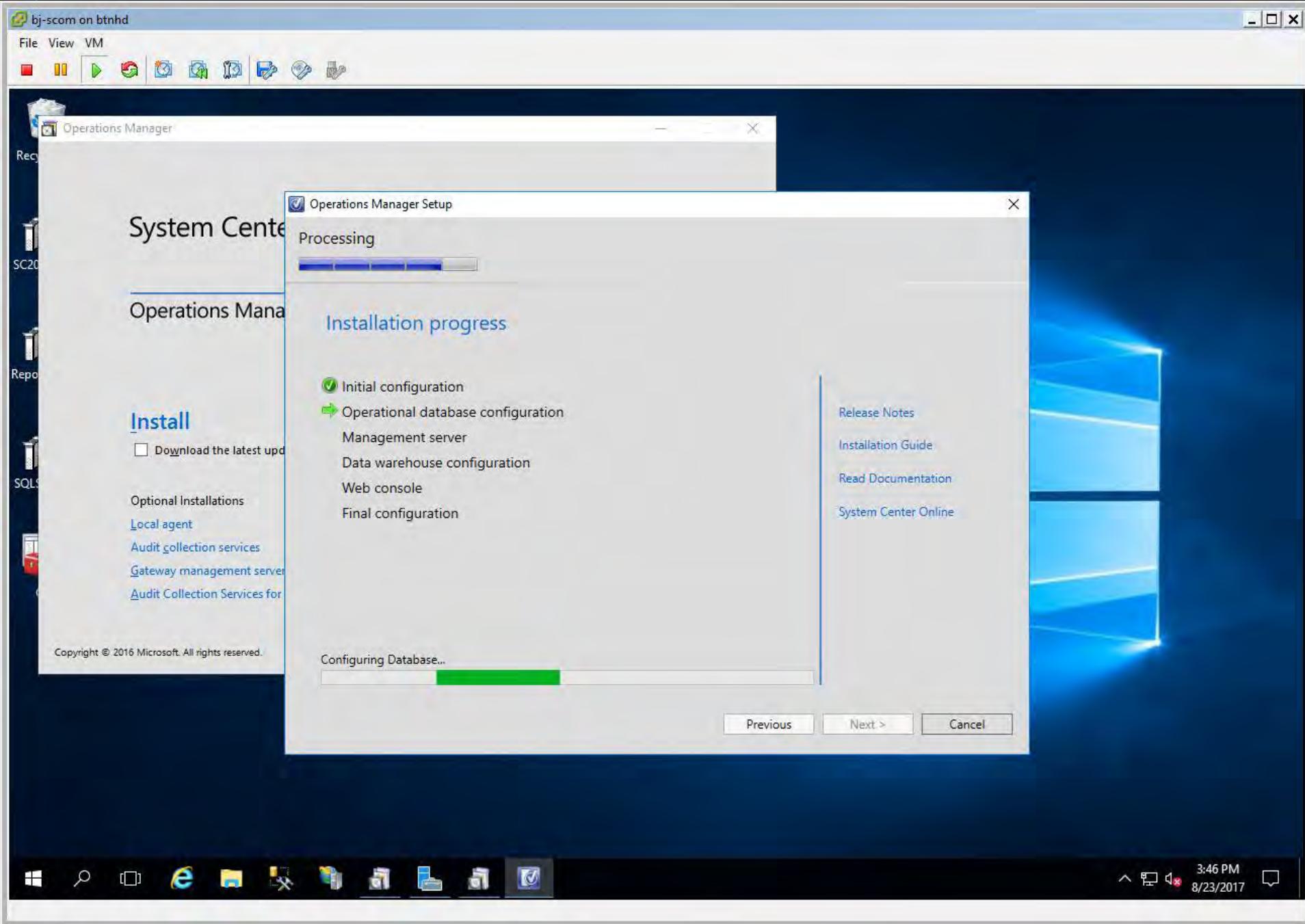
Data warehouse database:
OperationsManagerDW will be created on bj-scom

Data warehouse database size (MB):
1000

Management server action account:
BTNHD\OMAA

Previous **Install** **Cancel**





File View VM



Operations Manager

Recycle

SC20

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IIS

System Center

Operations Manager

Install

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Optional Installations

[Local agent](#)[Audit collection services](#)[Gateway management server](#)[Audit Collection Services for](#)

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Operations Manager Setup

Complete

Setup is complete

Please review the installation results. You can repair or add features by restarting Setup.

- Initial configuration
- Operational database configuration
- Management server
 - Management server warning:
An evaluation version of Operations Manager was successfully installed. To properly license Operations Manager, use the Set-SCOMLicense cmdlet. More information on this cmdlet is available in the Operations Manager Cmdlet Reference in the TechNet library.
[For more information, view the Setup log.](#)
- Data warehouse configuration
- Web console
- Final configuration

Launch Microsoft Update when the wizard closes

[Release Notes](#)

[Installation Guide](#)

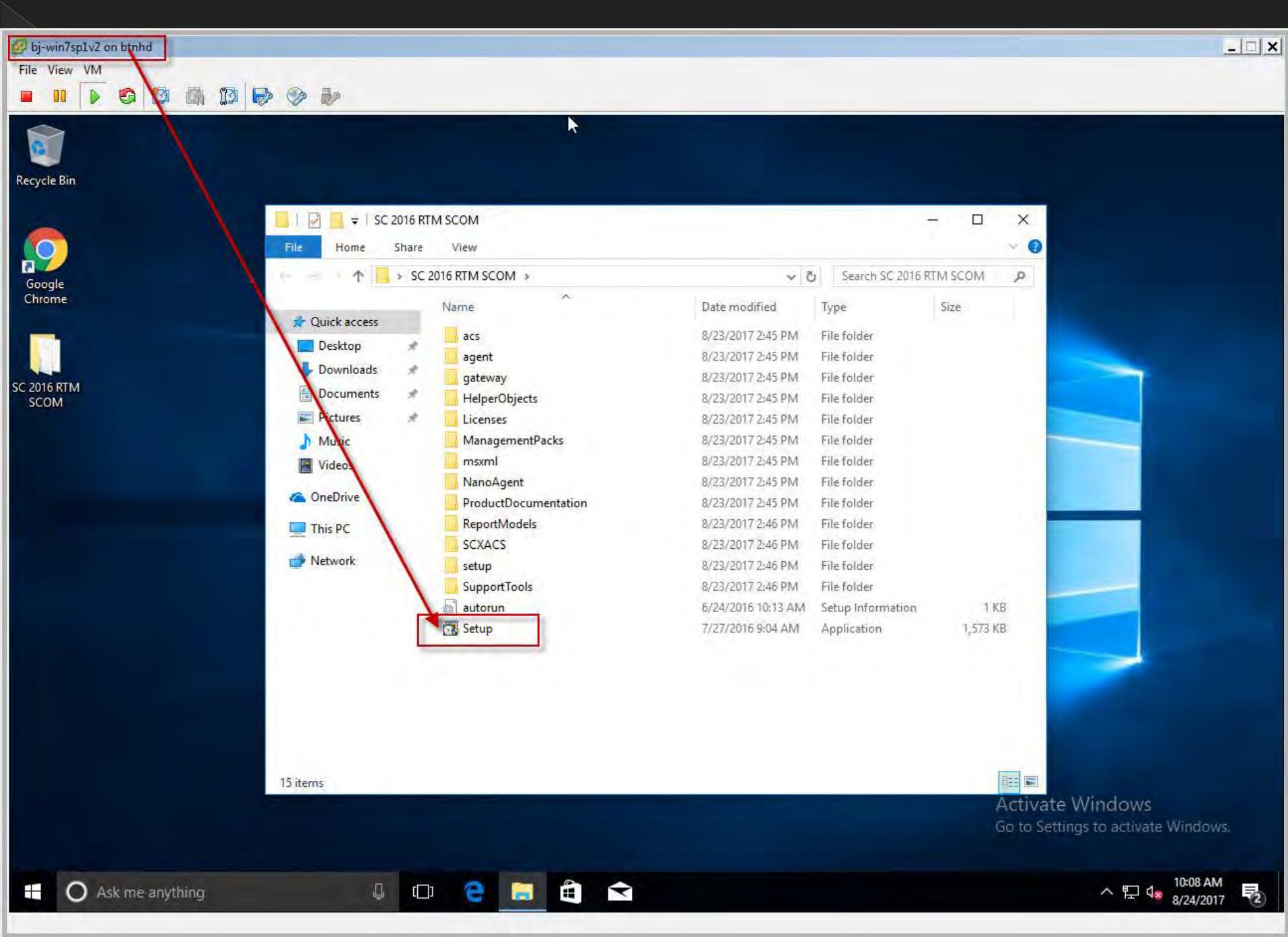
[Read Documentation](#)

[System Center Online](#)

[Close](#)



Installing Operation Console



File View VM



Recycle Bin



Google Chrome



SC 2016 RTM SCOM



ReportViewer



SQLSysClr...

Name	Date modified	Type
acs	8/23/2017 2:45 PM	File folder
agent	8/23/2017 2:45 PM	File folder
gateway	8/23/2017 2:45 PM	File folder
HelperObjects	8/23/2017 2:45 PM	File folder
Licenses	8/23/2017 2:45 PM	File folder
ManagementPacks	8/23/2017 2:45 PM	File folder
msxml	8/23/2017 2:45 PM	File folder
NanoAgent	8/23/2017 2:45 PM	File folder
ProductDocumentation	8/23/2017 2:45 PM	File folder
ReportModels	8/23/2017 2:46 PM	File folder
SCXACS	8/23/2017 2:46 PM	File folder
setup	8/23/2017 2:46 PM	File folder
SupportTools	8/23/2017 2:46 PM	File folder
autorun	6/24/2016 10:13 AM	Setup Information
Setup	7/27/2016 9:04 AM	Application

15 items



Activate Windows

Go to Settings to activate Windows.



Ask me anything



10:58 AM

8/24/2017





File View VM



Operations Manager

Rec

System Center 2016

Operations Manager

Install

 Download the latest updates to the setup program

Optional Installations

- [Local agent](#)
- [Audit collection services](#)
- [Gateway management server](#)
- [Audit Collection Services for UNIX/Linux](#)

Additional Resources

- [Release Notes](#)
- [Installation Guidance](#)
- [Supported Configurations](#)
- [Product Documentation](#)
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Exit

15 items 1 item selected 1.53 MB

ed	Type	Size
45 PM	File folder	
46 PM	File folder	
46 PM	File folder	
46 PM	File folder	
0:13 AM	Setup Information	1 KB
04 AM	Application	1,573 KB

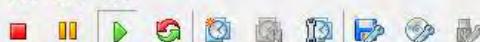


Activate Windows
Go to Settings to activate Windows.



Ask me anything

10:59 AM
8/24/2017



Recycle



Go Back



Check



SC 2016



SC 2016



Repo



SQL

System Center

Operations Manager

Install

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Optional Installations

[Local agent](#)[Audit collection services](#)[Gateway management server](#)[Audit Collection Services for](#)

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Operations Manager Setup

Getting Started

Select installation location

The recommended location for program files is displayed.

Location: C:\Program Files\Microsoft System Center 2016\Operations Manager

Required space: 281 MB Free space: 72.6GB

15 items 1 item selected 1.53 MB

Activate Windows
Go to Settings to activate Windows.



Ask me anything

11:00 AM
8/24/2017

File View VM



Operations Manager

Recycle



Ch

SC

20

S



Repo



SQL

System Center

Operations Manager

Install

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Optional Installations

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Operations Manager Setup

Configuration

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Previous

Next >

Cancel

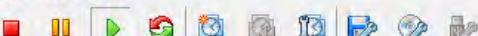
15 items 1 item selected 1.53 MB

Activate Windows
Go to Settings to activate Windows.

Ask me anything

11:00 AM
8/24/2017

File View VM



Operations Manager

Recycle



SC 2012

SO



Report



SQL

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System Center

Operations Manager

Install

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Optional Installations

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Operations Manager Setup

Configuration

Diagnostic and Usage Data

If you use this Operations Manager console to connect to a Operations Manager management server that is sending Diagnostic and Usage Data to Microsoft, the Operations Manager console will also send this data.

Microsoft automatically collects usage and performance data over the internet ("Data"). Microsoft uses this Data to provide and improve the quality, security and integrity of Microsoft products and services. For example, we analyze performance and reliability, such as what features you use, how quickly the features respond, device performance, user interface interactions, and any problems you experience with the product. Data will also include information about the configuration of your software like the software version you are currently running, and the IP address.

Choice/Control:This feature is on by default. Administrators can turn off this feature anytime by changing the setting found in the Settings workspace of the Operations Manager console. This Notice replaces the Customer Experience Improvement Program (CEIP) description in the Operations Manager section of the Privacy Statement. All other sections of the Privacy Statement apply.

[Privacy Statement for System Center Operations Manager](#)

Previous Next > Cancel

15 items 1 item selected 1.53 MB

Activate Windows
Go to Settings to activate Windows.
8/24/2017



Ask me anything





Operations Manager

Recycle



Ch

SC

20

S0



System Center

Operations Manager

Install

 Download the latest update

Optional Installations

[Local agent](#)[Audit collection services](#)[Gateway management server](#)[Audit Collection Services for](#)

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Operations Manager Setup

Configuration

Microsoft Update

Microsoft Update offers security updates and other important updates for Windows and other Microsoft software, including Operations Manager. Updates can be delivered using Automatic Updates, or you can visit the Microsoft Update web site.

On (recommended)

Use Microsoft Update to check for updates.

Off

Do not automatically check for updates.

[Update Services privacy statement](#)[Previous](#)[Next >](#)[Cancel](#)

15 items 1 item selected 1.53 MB



























































































































































































































































































































Recycle



SC 2016



Repo



SQLS

System Center

Operations Manager

Install

 Download the latest update

Optional Installations

[Local agent](#)[Audit collection services](#)[Gateway management server](#)[Audit Collection Services for](#)

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Operations Manager Setup

Configuration

Installation Summary

Review your selections for the features that you are installing. To continue, click **Install**. To change your selections, click **Previous**.

Installation location:
C:\Program Files\Microsoft System Center 2016\Operations Manager

Previous **Install** Cancel

15 items 1 item selected 1.53 MB

Activate Windows
Go to Settings to activate Windows.



Ask me anything

11:01 AM
8/24/2017



File View VM



Recycle



Google

Chrome



SC 2012

SO



Repo



SQLS

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Install

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Optional Installations

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Operations Manager Setup

Processing

Installation progress

Initial configuration

Operations console

Final configuration

Validating install

Previous Next > Cancel

15 items 1 item selected 1.53 MB



Activate Windows
Go to Settings to activate Windows.



Ask me anything

11:01 AM
8/24/2017



Recycle



Change



SO



Repo



SQLS



Local



Audit



Management



Audit



Ask me anything

11:02 AM
8/24/2017Activate Windows
Go to Settings to activate Windows.

Operations Manager

System Center

Operations Manager

Install

 Download the latest update

Optional Installations

Local agent

Audit collection services

Gateway management server

Audit Collection Services for

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Operations Manager Setup

Complete

Setup is complete

Please review the installation results. You can repair or add features by restarting Setup.

Initial configuration

Operations console

Final configuration

Launch Microsoft Update when the wizard closes

Start the Operations console when the wizard closes

Close

15 items 1 item selected 1.53 MB

Quick Tour: SCOM Console



File View VM



File Edit View Go Tasks Tools Help

Search

Find



Tasks



=

Connect To Server



Server Name

Management Group

Server name:

Connect

Cancel

Activate Windows
Send Settings to activate Windows

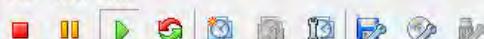
Busy...

Ask me anything

11:09 AM
8/24/2017



File View VM



Operations Manager



File Edit View Go Tasks Tools Help

Search



Find



Tasks

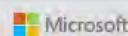


?



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System Center 2016



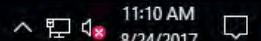
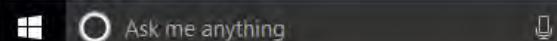
Operations Manager

Connecting to Server

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Activate Windows
Send Settings to activate Windows

Connecting to server 'BJ-SCOM'.

11:10 AM
8/24/2017

File View VM



NYC - Operations Manager

File Edit View Go Tasks Tools Help

Search

Scope Find Tests

Monitoring

- Monitoring
 - Active Alerts
 - Discovered Inventory
 - Distributed Applications
 - Maintenance Schedules
 - Task Status
 - UNIX/Linux Computers
 - Windows Computers
- Agentless Exception Monitoring
- Application Monitoring
- Data Warehouse
- Microsoft Audit Collection Services
- Microsoft Windows Client
- Microsoft Windows Server
- Network Monitoring
- Operations Management Suite
- Operations Manager
- Synthetic Transaction
- UNIX/Linux Computers
- Web Application Transaction Monitoring
- Windows Service And Process Monitoring

Show or Hide Views...

New View ▾

Monitoring

Authoring

Administration

My Workspace

Ready



Ask me anything



Monitoring Overview



Required Configuration Tasks:

In order for Operations Manager to manage and monitor your network you must complete the following steps:

- ➡ **Required:** Configure computers and devices to manage
- ➡ **Required :** Import management packs
- ➡ **Required:** Enable Notification Channels
- ➡ Upgrade to full version

State and Alerts:

Computer Health:

	Go to Computers
Critical:	0
Warning:	0
Healthy:	1
Maintenance Mode:	0
Unknown Status:	0

Go to Computers

0

Distributed Applications:

	Go to Distributed Applications
Critical:	0
Warning:	0
Healthy:	1
Maintenance Mode:	0

Go to Distributed Applications

0

Actions:

- [View all Active Alerts](#)
- [View Computer State](#)
- [View Distributed Application State](#)
- [View Management Group Health](#)

Key Concepts:

- [The Monitoring Workspace](#)
- [Standard Views](#)
- [Health Explorer](#)
- [Properties of Alerts, Rules, and Monitors](#)
- [Monitoring Scenarios](#)

Learn About:

- [Finding Data and Objects in the Operations Console](#)
- [Using Views](#)
- [Managing Alerts](#)
- [Using Maintenance Mode](#)
- [Running Tasks](#)
- [Tuning Monitoring by Using Targeting and Overrides](#)

Activate Windows
Online Resources:
[Go to Settings to activate Windows](#)



Search Find Tasks

Administration

- Discovery Rules
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 - User Roles
 - Settings

Discovery Wizard...

- Monitoring
- Authoring
- Administration
- My Workspace

Ready

Ask me anything



< Settings (8)

Name

- ▲ Type: Agent (1)
 - Heartbeat
- ▲ Type: General (5)
 - Alerts
 - Database Grooming
 - Privacy
 - Reporting
 - Web Addresses
- ▲ Type: Server (2)
 - Heartbeat
 - Security

Global Agent Settings - Heartbeat

General

Agents can generate heartbeats at a specific interval to ensure that they are functioning properly. You can specify how the heartbeat functions.

Heartbeat Settings:

Heartbeat interval (seconds):

60

OK

Cancel

Apply

Activate Windows
Go to Settings to activate Windows.

File View VM



Settings - NYC - Operations Manager

- X

File Edit View Go Tasks Tools Help

Search

Find

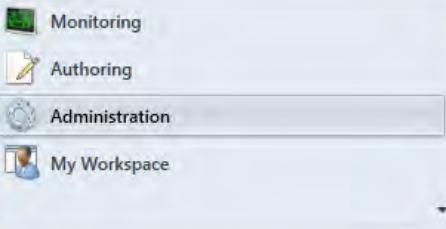
Tasks

?

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 - Settings

Discovery Wizard...



- Settings (8)
- Name
 - Type: Agent (1)
 - Heartbeat
 - Type: General (5)
 - Alerts
 - Database Grooming
 - Privacy
 - Reporting
 - Web Addresses
 - Type: Server (2)
 - Heartbeat
 - Security

Setting Details

Alerts Description

- Alerts
 - Edit resolution states
 - Define custom alert fields
 - Automatically resolve active alerts

Global Management Group Settings - Alerts

Alert Resolution States Automatic Alert Resolution

Alert Resolution State Settings:

Alert resolution states allow you to classify alerts into various states, and to define the behavior associated with each state to fit your business environment. Listed are the default alert states, which you can modify, delete or add, except for the 'New' and 'Closed' alert states.

New... Edit... Delete

Resolution State	ID
Acknowledged	249
Assigned to Engineering	248
Awaiting Evidence	247
Closed	255
New	0
Resolved	254
Scheduled	250

OK

Cancel

Apply

Activate Windows
Go to Settings to activate Windows

Ready

Ask me anything

11:21 AM
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File View VM



Settings - NYC - Operations Manager

- X

File Edit View Go Tasks Tools Help

Search

Find

Tasks

?

Administration

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Discovery Wizard...

- Monitoring
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- My Workspace

Ready

Ask me anything

11:22 AM
8/24/2017

- Settings (8)
- Name
 - Type: Agent (1)
 - Heartbeat
 - Type: General (5)
 - Alerts
 - Database Grooming
 - Privacy
 - Reporting
 - Web Addresses
 - Type: Server (2)
 - Heartbeat
 - Security

Global Management Group Settings - Alerts

Alert Resolution States Automatic Alert Resolution

Settings:

After a period of time, active alerts which are no longer relevant can be automatically resolved. Once an alert is in a resolved state the alert can be groomed out of the Operations Manager database.

Resolve all active alerts which are in "New" resolution state after:

30 Days

Resolve all active alerts when the alert source is healthy after:

7 Days

Setting Details

Alerts Description

Alerts

- Edit resolution states
- Define custom alert fields
- Automatically resolve active alerts

OK

Cancel

Apply

Activate Windows
Go to Settings to activate Windows.



Administration

- Discovery Rules
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Discovery Wizard...

- Monitoring
- Authoring
- Administration

My Workspace

Ready

Settings (8)

Name

Type: Age

Heartbeats

Type: General

Alerts

Database

Privacy

Reporting

Web Analytics

Type: Service

Heartbeats

Security

Global Management Group Settings - Database Grooming

General

Database Grooming Settings:

The grooming process removes unnecessary data from the Operations Manager database in order to maintain performance. For each data type in the database, you can specify how much time can pass before that data is deleted. Data deleted during database grooming is not recoverable unless it has been specifically backed up.

Edit...

Records to delete	Older than
Resolved Alerts	7 days
Event data	7 days
Performance data	7 days
Task history	7 days
Monitoring job data	7 days
State change events data	7 days
Performance signature	2 days
Maintenance mode history	7 days
Availability history	7 days

OK

Cancel

Apply

Tasks



Actions

Properties

Activate Windows
Go to Settings to activate Windows.
8/24/2017



Settings - NYC - Operations Manager

File Edit View Go Tasks Tools Help

Search Find Tasks

Administration

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Discovery Wizard...

- Monitoring
- Authoring
- Administration
- My Workspace

Ready

Ask me anything

Global Management Group Settings - Privacy

Diagnostic and Usage Data Settings Error Reporting Error Transmission

Name

Do you want to send Diagnostic and Usage data to Microsoft?

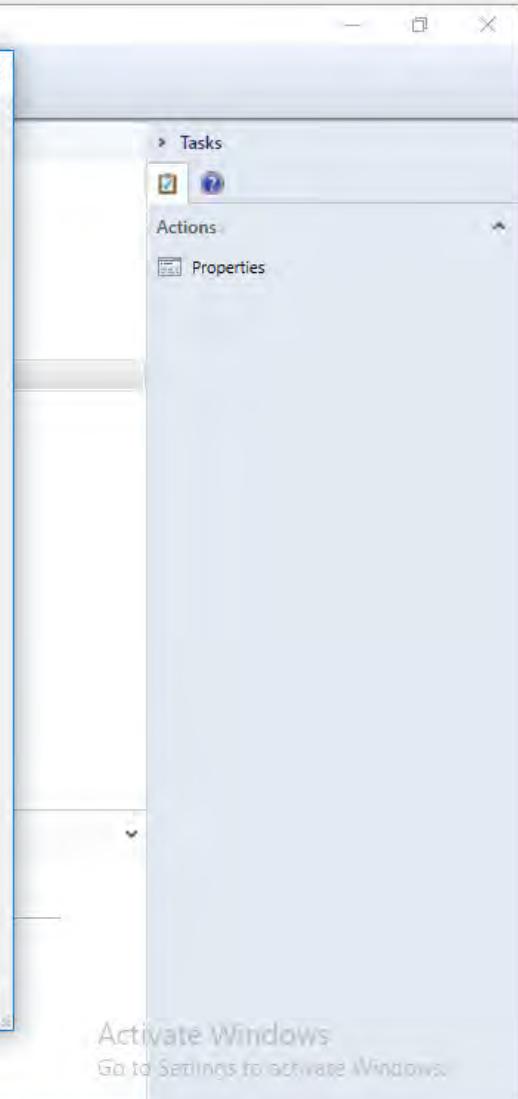
To help improve the quality, reliability and performance of its products and services, Microsoft collects information about participating customer's software and hardware configurations and how Microsoft software and services are used. The data is analyzed statistically to identify trends and usage patterns.

Yes, I am willing to send data to Microsoft
 No, I prefer not to send data to Microsoft

Privacy Statement
[Operations Manager Privacy Statement](#)

Setting D
Privacy - Opt-in

OK Cancel Apply



Activate Windows
Go to Settings to activate Windows.



File View VM



Settings - NYC - Operations Manager

File Edit View Go Tasks Tools Help

Search

Find



Tasks

Global Management Group Settings - Privacy



Diagnostic and Usage Data Settings Error Reporting Error Transmission

Error Reporting:

Do you want to send error reports to Microsoft?

When an error occurs in this product, information about the error can be sent to Microsoft. The error report will be aggregated with error reports from many other Microsoft customers and analyzed to identify common problems so they can be fixed.

Agent Managed Computers

When an error occurs in this product on agent managed computers, send the error report to Microsoft:

- Automatically send error reports about this product to Microsoft without prompting the user (recommended)
- Prompt the user for approval before sending error reports to Microsoft
- Don't generate error reports

Note: These changes will not take effect until you run repair on the agents. Follow the steps listed in the Operations Manager Error Reporting section of the Privacy Statement.

Management Servers and Gateway Servers

When an error occurs in this product on Management Servers and Gateway Servers, follow the steps listed in the Operations Manager Error Reporting section of the Privacy Statement.

Privacy Statement[Operations Manager Privacy Statement](#)

OK

Cancel

Apply

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Settings - NYC - Operations Manager

File Edit View Go Tasks Tools Help

Search

Find

Tasks

Global Management Group Settings - Privacy



Diagnostic and Usage Data Settings Error Reporting Error Transmission

Use the Error Reporting tab to specify whether you want to send error reports to Microsoft. On this tab, you can choose specific settings for transmitting those error reports to Microsoft.

You can filter the errors which are sent to Microsoft by applications name, user, computer and other criteria. Click Filter button to set your filters.

Filter...

Diagnostic Data Collection Settings:

When errors are sent to Microsoft, additional information from computers reporting the errors can be uploaded to Microsoft.

 Upload diagnostic data collection requests Upload additional files to Microsoft Upload additional registry information to Microsoft Upload results of WMI queries to Microsoft Upload memory dumps to Microsoft

Maximum number of CAB files to send to Microsoft per error group:

10

 Display links to solution from Microsoft on error reporting computers Display links to surveys from Microsoft on error reporting computers

Default solution link when no Microsoft solution is available:

http://

[Read the privacy statement](#)

OK

Cancel

Apply



Tasks



Actions

Properties

Activate Windows
Go to Settings to activate Windows

Administration

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Discovery Wizard...

- Monitoring
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- My Workspace

Ready



Ask me anything



11:24 AM

8/24/2017





Settings - NYC - Operations Manager



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Search Find Tasks



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Discovery Wizard...

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Ready

Settings (8)

Name

Type: Age

Heartbeats

Type: General

Alerts

Database

Privacy

Reporting

Web Access

Type: Server

Heartbeats

Security

Global Management Group Settings - Reporting

General

You can change the path to the reporting server.

Reporting Server Settings:

Reporting server URL:

http://

Setting D

Report

- Config

OK

Cancel

Apply

> Tasks



Actions

Properties

Activate Windows
Go to Settings to activate Windows.

Ask me anything

11:24 AM
8/24/2017



Settings - NYC - Operations Manager

File Edit View Go Tasks Tools Help

Search Find Tasks

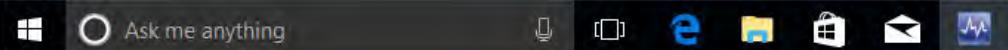
Administration

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Ready

11:24 AM
8/24/2017

Settings (8)

Name

Type: Age

Heartbe

Type: Gen

Alerts

Database

Privacy

Reporti

Web Ad

Type: Serv

Heartbe

Security

Global Management Group Settings - Web Addresses

General

Designate the Web addresses that you want to use for your Web console and your company's online product knowledge.

Web Addresses

Web console:

https:// BJ-SCOM/OperationsManager

Test

Online product knowledge:

http://

Setting D

Web A

Web Ad - Design

OK

Cancel

Apply

Activate Windows
Go to Settings to activate Windows.



Administration

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Discovery Wizard...

- Monitoring
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Ready



Settings (8)

Name

Type: Age

Heartbe

Type: Gen

Alerts

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Web Ad

Type: Serv

Heartbe

Security

Global Management Group Settings - Web Addresses

General

Designate the Web addresses that you want to use for your Web console and your company's online product knowledge.

Web Addresses

Web console:

https:// BJ-SCOM_BTNHD.EDU/OperationsManager

Test

Online product knowledge:

http://

Setting D

Web A

Web Ad - Design

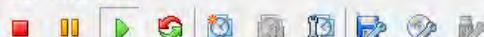
OK

Cancel

Apply

Activate Windows
Go to Settings to activate Windows.

File View VM



Settings - NYC - Operations Manager

File Edit View Go Tasks Tools Help

Search Find Tasks

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- User Rights
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Discovery Wizard

Monitoring

Authorizations

Administrations

My Work

Ready

Ask me anything

11:26 AM
8/24/2017

bj-scom.btnhd.edu X +

bj-scom.btnhd.edu/OperationsManager

Windows Security

Microsoft Edge

Connecting to bj-scom.btnhd.edu.

User name

Password

Domain: BTNHD

Remember my credentials

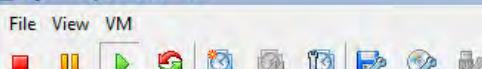
OK Cancel

Tasks

Actions

Properties

Activate Windows
Go to Settings to activate Windows



Search

Find



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Discovery Wizard

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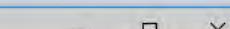
Operations Manager W...



System Center 2016

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 - Distributed Application
 - Task Status
 - UNIX/Linux Computers
 - Windows Computers
 - Agentless Exception Monitoring
 - Application Monitoring
 - Data Warehouse
 - Microsoft Audit Collector
 - Microsoft Windows Client
 - Microsoft Windows Server
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bj-scom.btnhd.edu/OperationsManager/default.aspx?View=



Tasks



Actions

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Operations Manager

Welcome BTNHD\gbtnhd

Monitoring



Scope



Tasks

Operations Manager

Welcome BTNHD\gbtnhd

Monitoring Overview



State and Alerts

Computers

Go to Windows Computers

	Critical:	0
	Warning:	0
	Success	1
	Maintenance:	0
	Unknown:	0

Distributed Applications

Go to Distributed Applications



Actions

- View Active Alerts
- View Windows Computers
- View Distributed Applications

Learn about

- Microsoft Operations Manager Help
- Microsoft

Activate Windows
Go to Settings to activate Windows.

Ready



Ask me anything

11:26 AM
8/24/2017



Administration

- Discovery Rules
- Network Devices
- Network Devices Pending Management
- Notifications
 - Channels
 - Subscribers
 - Subscriptions
- Operations Management Suite
 - Connection
 - Managed Computers
 - Partner Solutions
- Product Connectors
 - Internal Connectors
 - Resource Pools
- Run As Configuration
 - Accounts
 - Profiles
 - UNIX/Linux Accounts
- Security
 - User Roles
 - Settings

Discovery Wizard...

- Monitoring
- Authoring
- Administration
- My Workspace

Ready

Settings (8)

Name

Type: Age

Heartbeat

Type: General

Alerts

Database

Privacy

Reporting

Web Access

Type: Server

Heartbeat

Security

Global Management Server Settings - Heartbeat

General

When an agent stops heart-beating, the Management Server can ping the computer to diagnose the problem.

Heartbeat Failure Settings:

Number of missed heartbeats allowed:

OK

Cancel

Apply

Setting D

Heartbeat

Heartbeat

- Adjust

- Configure how often frequency to ping agent address managed computers to simulate a heartbeat.

Tasks

Actions

Properties

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Discovery Wizard...

- Monitoring
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Ready

Settings (8)

Name

Type: Agent

Heartbeat

Type: General

Alerts

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Type: Server

Heartbeat

Security

Global Management Server Settings - Security

General

Manual Agent Installs:

To increase security, specify that manual agent installations are rejected.

- Reject new manual agent installations
- Review new manual agent installations in pending management view

Automatically approve new manually installed agents

OK

Cancel

Apply

> Tasks



Actions

Properties

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