

PowerScribe[®] 360 Reporting

Microsoft SQL 2016 Installation and Configuration Manual



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Best Practices

• Nuance recommends following Microsoft best practices as outlined in

Microsoft TechNet General Security Advice and Best Practices

- **PowerScribe 360 Reporting** stores data containing Protected Health Information (PHI) in the product databases as well as in various locations throughout the file system. Nuance recommends encrypting **PowerScribe 360 Reporting** at the operating system and/or storage system levels to ensure that PHI is encrypted consistent with the customer's data encryption policies.
- **PowerScribe 360 Reporting** is compatible with several currently supported versions of Microsoft Windows Server operating systems, Nuance recommends using the latest compatible version listed in the **PowerScribe 360 Reporting** System Specifications, currently **Windows Server 2016**.
- **PowerScribe 360 Reporting** is compatible with several currently supported versions of Microsoft SQL Server, Nuance recommends using the latest compatible version listed in the **PowerScribe 360 Reporting** System Specifications, currently **SQL Server 2016**.
- Nuance recommend that all *PowerScribe 360 Reporting* network communication be secured and encrypted using Hypertext Transfer Protocol Secure (HTTPS). Nuance also recommends that the customer obtain a certificate from a trusted Certificate Authority consistent with the customer security policies.
- Nuance fully supports all third-party hardware and software updates related to critical security fixes immediately upon release. Nuance recommends that customers apply third party updates consistent with their internal security policies.
- **PowerScribe 360 Reporting** supports Lightweight Directory Access Protocol (LDAP). Nuance recommends the use of LDAP for end-user authentication to **PowerScribe 360 Reporting** to ensure consistency with the customer's authentication and password management policies.
- During the *PowerScribe 360 Reporting* installation process several system level users and associated passwords need to be created. Nuance recommends that the Customer's site administer provides the system level passwords consistent with the customer's internal password policies. Nuance recommends the use of strong/complex passwords consistent with the customer's passwords consistent with the customer's password policies.
- Nuance recommends that any Passwords created during *PowerScribe 360 Reporting* installation and configuration only be communicated over secure encrypted channels and/or stored in secure encrypted locations.
- Nuance recommends that customers protect *PowerScribe 360 Reporting* from viruses, malware, data loss, etc. consistent with their internal policies. To prevent performance degradation Nuance recommends excluding *PowerScribe 360 Reporting* processes from antivirus (AV), data loss prevention (DLP), or similar applications to prevent interference with application operations resulting in latency and or file manipulation. Process exclusion will protect application

performance while allowing AV, DLP, etc. to monitor file operations initiated by other processes. Specific locations and file types are available for AV applications that do not allow process exclusion, see Article 6870: *Files and Folders Acted Upon by the PS360 Client and Servers* for details.

• Nuance does not recommend exposing network services to untrusted networks unless otherwise advised by Nuance documentation or Support.

Notations

This section defines notations that may appear throughout the document.

Best Practice							
	This Best Practice icon indicates the recommended Nuance procedure to follow when installing or configuring the Nuance PowerScribe 360 application.						
	For example:						
	• PowerScribe 360 Reporting supports Lightweight Directory Access Protocol (LDAP). Nuance recommends the use of LDAP for end-user PS360 access.						
	• During the PowerScribe 360 Reporting installation process several system level users and passwords need to be created. The Customer's site administer should provide system level passwords consistent with the customer's internal password policies. Passwords should only be communicated over secure encrypted channels and/or stored in secure encrypted locations.						
	• Microsoft General Security Advice and Best Practices.						
	• Client workstations rebooting recommendations.						
	• Nuance Anti-Virus recommendations.						
	• Nuance recommends the use of LDAP for end-user PS360 access.						
	The IMPORTANT icon indicates to the reader's attention to important information you don't want them to miss.						
NOTE	The NOTE icon provides auxiliary information or further explanation to the adjacent paragraph(s).						
STOP	This STOP icon is an indication that a necessary requirement is to be met before you proceed to the next step.						

Introduction

This manual provides instruction and setup information for sites to install Microsoft SQL 2016 for the Diagnostics PowerScribe 360 Reporting solution.

Microsoft SQL Server 2016

Microsoft SQL Server 2016 Installation

- 1. Log on to Windows as an Administrator or as a domain user who has local administrative privileges.
- 2. Using Windows Explorer, find and note which of the non-operating system hard drives has the most unused free space.
- 3. Insert the Microsoft SQL Server 2016 disk.



If the installation program does not execute automatically, locate and double-click **setup.exe** from the Microsoft SQL Server 2016 disk.

The SQL Server Installation Center dialog displays.

4. From the SQL Server Installation Center dialog, click Installation.



5. Click the **New Installation** or **Add features to an existing installation** option to run SQL Server Installation.

The Product Key dialog displays.

The key should automatically display.



If the client is supplying an SQL Key, enter the client SQL key.

6. Click Next.

The End User License Agreement displays.

7. Check I accept the licensing terms, and click Next.

The Product Updates dialog displays.



The listed updates may be different for your installation. These are just an example.

1	SQL Server	2016 Setup		- • ×
Product Updates Always install the latest update	s to enhance your SQL Server security	and performance.		
Product Key	✓ Include SQL Server product upda	tes		
License Terms Global Rules Product Updates	Name Critical Update for SQL Server 20	Size (MB) 37	More Information KB 3164398	
Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress Complete	1 updates (37 MB) found online. The Setup updates (37 MB) will be i	nstalled when you clicl	k Next.	
	Read our privacy statement online Learn more about SQL Server produ	ict updates		
			< Back Next >	Cancel



If you are installing SQL on a server without internet access, do not check **Include SQL Server Product updates** (default setting is checked).

8. Click Next.

The Install Setup Files dialog displays.

8	SQL Server 201	6 Setup	_ 🗆 ×
Install Setup Files If an update for SQL Server S	Setup is found and specified to be included, th	he update will be installed.	
Product Key			
Global Rules Product Updates Install Setup Files	Task Scan for product updates Download Setup files	Status Completed Completed	
Install Rules Feature Selection	Extract Setup files Install Setup files	Completed Not started	
Feature Configuration Rules Ready to Install Installation Progress Complete			
		< Back	Next > Cancel

9. Click Next.

The Install Rules dialog displays.

10. Click Next.

The Feature Selection dialog displays.

Feature Selection	nstall.		
Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Reporting Services Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Features: Instance Features) Extractions for Search for External Data for External Data for SharePoint Produc mpatibility nts er K C:\Program Files\Mic C:\Program Files\Mic C:\Program Files\Mic	Feature description: SQL Server redistributable and shared features are installed when needed: Error and Usage Reporting, SQL Server Native Client, MSKML version 6.0, Sync Services for ADO.NET, and SQL Server Browser. Prerequisites for selected features: Already installed: Windows PowerShell 3.0 or higher Microsoft Visual Studio 2010 Redistributable Microsoft Visual Studio 2010 Redistributable Microsoft Visual Studio 2010 Shell C III > Disk Space Requirements Drive C: 2075 MB required, 46327 MB available :rosoft SQL Server\ Microsoft SQL Server\

11. From the Features Selection dialog, check only the features selected above, then click **Next**.

The Feature Rules dialog displays.

8	SQL Server 2016 Setup	- • ×
Feature Rules Feature Rules Setup is running rules to deten Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Reporting Services Configuration Feature Configuration Rules Ready to Install I	SQL Server 2016 Setup nine if the installation process will be blocked. For more information, click Help. Operation completed. Passed: 1. Failed 0. Warning 0. Skipped 0. Show details >> <u>View details report</u>	Re-run
Installation Progress Complete	< Back Next >	Cancel

- 12. Install any required features, and click **Re-run**.
- 13. Click **Next** after everything passed.



If Prerequisites are already met, you will not see this screen.

The Instance Configuration dialog displays.

1		SQL Server 20	16 Setup		- • ×
Instance Configuration Specify the name and instance	ID for the instance of	SQL Server. Instand	e ID becomes part of	the installation path.	
Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Reporting Services Configuration Feature Configuration Rules Ready to Install Installation Progress	Default instance Named instance:	MSSQL	SERVER		
	Instance ID:	MSSQL	SERVER		
	SQL Server directory Reporting Services of Installed instances:	r: C:\Prog directory: C:\Prog	ram Files\Microsoft SC ram Files\Microsoft SC	QL Server\MSSQL13.M QL Server\MSRS13.MS	SSQLSERVER SQLSERVER
compress	Instance Name	Instance ID	Features	Edition	Version
				< Back Ne	xt > Cancel

14. Leave the Instance Configuration with the Default instance option, and click Next.



If the site has specific requirements to use a Named instance, select the Named instance option, enter the name of the instance, and then click Next.

The Server Configuration dialog displays.

5	SQL Server 201	6 Setup			
Server Configuration Specify the service accounts and	d collation configuration.				
install Rules Feature Selection Feature Rules	Service Accounts Collation Microsoft recommends that you use	a separate account for each	SQL Server serv	ice.	
instance Configuration	Service	Account Name	Password	Startup Type	
Server Configuration	SQL Server Agent	vice\SQLSERVERAGENT 👻		Manual	~
Database Engine Configuration	SQL Server Database Engine	NT Service\SQLSERVERAGE		Automatic	~
Reporting Services Configuration	SQL Server Reporting Services	< <browse>> Twi bervice wepoirberver</browse>	Aut	Automatic	~
eature Configuration Rules	SQL Server Integration Services 13.0	NT Service\MsDtsServer		Automatic	~
leady to Install	SQL Server Browser	NT AUTHORITY\LOCAL		Disabled	~
Complete	Grant Perform Volume Maintenan This privilege enables instant file i to information disclosure by allow <u>Click here for details</u>	ice Task privilege to SQL Sen nitialization by avoiding zero ing deleted content to be ac	ver Database En ing of data pag cessed.	igine Service ges. This may lead	1
		< Back	: Nex	t> Can	cel

- 15. From the Service Accounts tab for each Service listed, click Browse.
- 16. From the Select User or Group dialog, type **system** in the Enter the object name to select field to set the Account Name to **NT AUTHORITY\SYSTEM**, and click **OK**.

	Select User or Group	? X
Select this object type		
User, Group, or Built-in	Object Types	
From this location:		
MLB-WIN2012TEST		Locations
Enter the object name	to select (<u>examples</u>):	
system		Check Names
		10
I	17.	
the second s		

The Server Configuration dialog displays again.

3	SQL Server 201	6 Setup			
Server Configuration Specify the service accounts and	collation configuration.				
nstall Rules Feature Selection	Service Accounts Collation	a senarate account for each	SOI Senier cen	áre.	
Feature Rules	Service	Account Name	Password	Startun Tyne	
erver Configuration	SQL Server Agent	NT AUTHORITY\SYSTEM	1 07711010	Automatic V	
atabase Engine Configuration	SQL Server Database Engine	NT AUTHORITY\SYSTEM		Automatic	
Reporting Services Configuration	SQL Server Reporting Services	NT AUTHORITY\SYSTEM		Disabled	
eature Configuration Rules	SQL Server Integration Services 13.0	NT AUTHORITY\SYSTEM		Automatic V	
leady to install	SQL Server Browser	NT AUTHORITY\LOCAL		Disabled v	
Installation Progress Complete	Grant Perform Volume Maintenan This privilege enables instant file to information disclosure by allow <u>Click here for details</u>	ice Task privilege to SQL Se initialization by avoiding zer ring deleted content to be ar	rver Database Er oing of data pag ccessed.	igine Service ges. This may lead	
		< Bac	k Nex	t > Cancel	

17. From the **Startup Type** list, select **Automatic** to set the SQL Server Agent.



If ALL the Services Startup Types are **not** set to Automatic by default, change the Startup Types to **Automatic**.

The Server Configuration dialog should display as follows:

5	SQL Server 201	6 Setup			
Server Configuration Specify the service accounts and	d collation configuration.				
Install Rules Feature Selection Feature Rules	Service Accounts Collation Microsoft recommends that you use	a separate account for each SQL Ser	ver service		
Instance Configuration	Service	Account Name	Passw	Startup Type	
Server Configuration	SQL Server Agent	NT AUTHORITY\SYSTEM		Automatic	~
Database Engine Configuration	SQL Server Database Engine	NT AUTHORITY\SYSTEM		Automatic	~
leporting Services Configuration	SQL Server Reporting Services	NT AUTHORITY\SYSTEM		Automatic	~
eature Configuration Rules	SQL Server Integration Services 13.0	NT AUTHORITY\SYSTEM		Automatic	~
leady to Install	SQL Server Browser	NT AUTHORITY\LOCAL SERVICE		Disabled	v
Complete	Grant Perform Volume Maintenan This privilege enables instant file i to information disclosure by allow <u>Click here for details</u>	ce Task privilege to SQL Server Data nitialization by avoiding zeroing of ing deleted content to be accessed.	sbase Engin	ie Service This may lead	1
	L	< Back	Next >	Can	cel

18. Click Next.

The Database Engine Configuration dialog displays.

10	S	QL Server 2016	Setup		X
Database Engine Config Specify Database Engine auther	guration	administrators, dal	a directori	es and TempDB setting	5.
Install Rules 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 Specify the authenti Authentication Mod Windows authen Mixed Mode (SQ) Specify the password Enter password: Confirm password: Specify SQL Server a	Data Directories ication mode and de tication mode L Server authentic d for the SQL Serv 	TempDB administration ation and V er system a	FILESTREAM tors for the Database En Vindows authentication dministrator (sa) accou	ngine.
	Add Current User	inistrator (Adminis	ermove	< Back	SQL Server administrators have unrestricted access to the Database Engine. Next > Cancel

- 19. On the Server Configuration tab, set the following Authentication Mode options:
 - a. Select Mixed Mode (SQL Server authentication and Windows authentication).

Best Practice
 The "password name" password entered should be provided by the customer's site administrator consistent with the customer's internal password policies. Nuance recommends the use of strong/complex passwords.
 Passwords should only be communicated over secure encrypted channels and/or stored in secure encrypted locations.

- b. Enter the sa password for the Built-in SQL Server system administrator account.
- c. Confirm the sa password.



The built-in sa account and password must be used after initial installation anytime you update the software. **This account must NEVER be deleted!** The sa account will be required when installing or upgrading the PowerScribe 360 database.



You must now add an SQL Server administrator on the Account Provisioning tab.

5	S	QL Server 2016 Setu	p			X
Database Engine Confi	guration					
Specify Database Engine auther	ntication security mode, a	administrators, data direc	tories and TempDI	B settings.		
Install Rules 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 Specify the authenti Authentication Mod Windows authent Mixed Mode (SQI Specify the passwort Enter password: Confirm password:	Data Directories Temp cation mode and admini le tication mode L Server authentication ar d for the SQL Server syste 	DB FILESTREAM strators for the Dat nd Windows auther rm administrator (s	abase Engine. ntication) :a) account.		
	MLB:NICO-4\Adm	nistrator (Administrator) Add Remove	< Ba	SQL Sen have un to the D	ver administrator restricted access latabase Engine. Cancel	2

- 20. Click Add Current User.
- 21. Click Add, and add the local Administrators Group.
- 22. Click the **Data Directories** tab.

- 23. Set the following recommended default data directory locations:
 - a. Set the default location for the data files and transaction log files so that any created database within SQL inherits the defaults.
 - b. Change the drive letter from **D**:\ to an appropriate letter for your installation.



Always use this structure, as it is very easy to support an installation that requires data, logs, and backups to be on different drives.

IMPORTANT



These paths will also be used to setup the Database Maintenance Plan.

The Comm4 database will now be created in the D:\Nuance\Database folder by the Database Installer program.

🐮 SQL Server 2016 Setup		-	
Database Engine Confi	guration		
Specify Database Engine authe	ntication security mode, administr	ators, data directories and TempDB settings.	
Install Rules Feature Selection	Server Configuration Data Dir	rectories TempDB FILESTREAM	
Feature Rules	Data root directory:	C:\Program Files\Microsoft SQL Server\	
Instance Configuration Server Configuration	System database directory:	C:\Program Files\Microsoft SQL Server\MSSQL13.MSSQLSERVER\MSSQL\Data	
Database Engine Configuration	User database directory:	D:\Nuance\Database	
Reporting Services Configuration Feature Configuration Rules	User database log directory:	D:\Nuance\Database	
Ready to Install	Backup directory:	D:\Nuance\DatabaseBackup	
Installation Progress			
Complete			
		< Back Next >	Cancel

24. Click the **TempBD** tab, and change the file location for both the **Data directories** and **Log directory** to the same path that was determined in the previous step.

8	SQL S	erver 2016 Setup			×
Database Engine Config Specify Database Engine auther	juration tication security mode, admin	istrators, data directorie	es and TempDB setting	j 5.	
Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Reporting Services Configuration Feature Configuration Rules Ready to Install	Server Configuration Data TempDB data files: temp Number of files: 2 Initial size (MB): 8 Autogrowth (MB): 64 Data directories: 6100	Directories TempDB db.mdf, tempdb_mssq v v Total initial siz v Total autogro ficorsoft SQL Server/Da	FILESTREAM		Add
Complete	TempDB log file: temp Initial size (MB): 8 Autogrowth (MB): 64 Log directory: D:\M	log.ldf	taj		au
			< Back	Next >	Cancel

25. Click Next.

The Reporting Services Configuration dialog displays.

1	SQL Server 2016 Setup
Reporting Services Co Specify the Reporting Services	nfiguration configuration mode.
Install Rules Feature Selection Feature Rules Instance Configuration Database Engine Configuration Reporting Services Configura 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. Install only. Install only. Install only. Install only. 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.
	< Back Next > Cancel

26. Click Next.

The Ready to Install dialog displays.

	SQL Server 2016 Setup		×
Ready to Install Verify the SQL Server 2016 featu	ares to be installed. Ready to install SQL Server 2016:		
Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Reporting Services Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Summary Edition: Standard Action: Install (Product Update) Prerequisites Aready installed: Windows PowerShell 3.0 or higher Microsoft Visual Studio 2010 Redistributables Microsoft Visual Studio 2010 Shell Microsoft Visual Studio 2010 Shell Microsoft Visual Studio 2010 Shell Microsoft Visual Studio Tools for Applications 2015 General Configuration Features Database Engine Services Reporting Services Networks		=
	Configuration file path:	>	

27. Verify the information, and then click Install.

The Complete dialog displays.

5	SQL Server 2016	Setup L	- 0 ×
Complete Your SQL Server 2016 installation	on completed successfully with product upd	ates.	
Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Reporting Services Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Information about the Setup operation or Feature Peature Database Engine Services Integration Services SQL Browser SQL Writer SQL Client Connectivity Details:	r possible next steps: Status Succeeded Succeeded Succeeded Succeeded Succeeded Succeeded	
	Summary log file has been saved to the for <u>C:\Program_Files\Microsoft_SQL_Server\1</u> 4_20161004_105649.txt	ollowing location: 30\Setup_Bootstrap\Log\20161004_105649\Summary	/ MLB-Nico-
			Close

- 28. Click Close.
- 29. Rerun the **setup.exe** for SQL.

The SQL Server Installation Center dialog displays.



- 30. Click the Install SQL Server Management Tools option.
- 31. In the browser, click Download SQL Server Management Studio (16.4.1).

A pop-up window displays.



33. Click Install.

The Setup Completed dialog displays.



34. Click Close.

Report Builder Install

- 1. Download ReportBuilder3.msi from: https://www.microsoft.com/en-us/download/details.aspx?id=53613.
- 2. Double-click ReportBuilder3.msi.

The Open File - Security dialog displays.

Open File	Open File - Security Warning		×
Do you	want to run tl	his file?	
- 1 2	Name:	C:\Software\ReportBuilder3.msi	
10°	Publisher:	Microsoft Corporation	
	Туре:	Windows Installer Package	
	From:	C:\Software\ReportBuilder3.msi	
		Run Cancel]
🗹 Alwa	ys ask before o	opening this file	
	While files fr harm your c What's the ri	om the Internet can be useful, this file type can potential omputer. Only run software from publishers you trust. isk?	y

3. Click Run.

The Microsoft SQL Server 2016 Report Builder dialog displays.



4. Click Next.

The License Agreement dialog displays.

🛃 Microsoft SQL Server 2016 Report Builder	×
License Agreement	
Please read the following license agreement carefully.	1
MICROSOFT SOFTWARE LICENSE TERMS	^
MICROSOFT SQL SERVER REPORT BUILDER FOR MICROSOFT SQL SERVER 2016	١
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	~
, ● I accept the terms in the license agreement ○ I do not accept the terms in the license agreement	
< Back Next > Cancel	

5. Select Accept the terms in the license agreement, and click Next.

The Feature Selection dialog displays.

eature Selection	
Select the program features you would like to install.	
Click an icon in the following list to change how a feature	is installed.
Microsoft SQL Server Report Builder	Feature description Report Builder for Microsoft SQL Server 2016 2016JulMR Reporting Services
nstallation path	
C:\Program Files (x86)\Microsoft SQL Server\	Browse
	Disk Cost

6. Click Next.

The Default Target Server dialog displays.

Microsoft SQL Server 2016 Report Builder			
Default Target Server			
The following information v	vill help configure your	installation.	
Optional: Enter the defaul	target server URL to	host new reports.	
For example: http:// <servername>/rej http://<servername> for</servername></servername>	oortserver for a report a report server runnir	server running in native Ig in SharePoint integrat	e mode. :ed mode.
Leave this value empty if y	vou do not want to spe	cify a default target ser	ver.
Default target server URL	(optional):		
,			
	< Back	Next >	Cancel

Leave the Default target server URL blank, and click Next.
 The Ready to Install the Program dialog displays.

🖟 Microsoft SQL Server 201	6 Report Builder		×
Ready to Install the Pro	gram		
Setup is ready to begin ins	tallation.		1
Click Install to begin the in	stallation.		
If you want to review or c exit Setup.	hange any of your insta	allation settings, click Ba	ack. Click Cancel to
	< Back	Install	Cancel

8. Click Install.

The Installing Microsoft SQL Server 2016 Report Builder dialog displays.

🛃 Microso	ft SQL Server 2016 Report Builder
Installing	Microsoft SQL Server 2016 Report Builder
The prog	gram features you selected are being installed.
ŧ	Please wait while the Installation Wizard installs Microsoft SQL Server 2016 Report Builder. This may take several minutes.
	Status:
	Creating shortcuts
	< Back Next > Cancel

9. Wait for installation to complete.

The Completing the Microsoft SQL Server 2016 Report Builder installation dialog displays.



10. Click Finish.

Set Max Degree of Parallelism to "1"

To confirm the **Parallelism** setting for an instance of SQL Server, follow these steps:

- 1. Click Start, point to Programs, point to Microsoft SQL Server 2016, and then click SQL Server Management Studio.
- 2. Connect to the instance of SQL Server that you want.
- 3. Right-click the target server, and then click **Properties**.
- 4. Click Advanced. Note the Max Degree of Parallelism setting in the right pane.
- 5. If it is not set to "1". Change the setting.

You can also view the **Parallelism** setting for an instance of SQL Server by executing the following Transact-SQL statement against the instance of SQL Server.

USE master EXEC sp_configure 'max degree of parallelism' If the value is not set to 1 execute the following Transact-SQL statement against the instance of SQL Server: USE master EXEC sp_configure 'max degree of parallelism', '1' reconfigure with override

SQL Server Setup Disallow Adhoc Access

- 1. From Server Objects, select, LinkedServers, and then Providers.
- 2. Right-click ADsDSOObject, and select Properties.
- 3. Select **Disallow adhoc access**, and click **OK**.



Install the Latest Service Pack

After installing Microsoft SQL Server 2016, install the latest Service Pack for your version of SQL.

Manual Revision History

Note: In this table the most recent changes are first by date.

Date	Sec	Page	Change (Paragraph, Sentence, Figure, Table, etc.)	Initials
9/28/18	All	All	Added Best Practices	BW