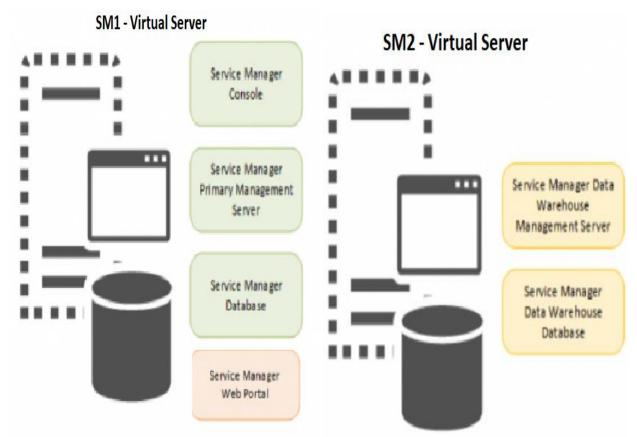
How to install System Center Service Manager 2019 (SCSM) on Windows Server 2019

In this post, I will show you the steps involved for installing System Center Service Manager 2019 on Windows Server 2019 with SQL Server 2017.

Created two virtual machines (SM1 and SM2). Joined to the domain & Installed all the updates and restarted the server. Will install these pre req on both the servers (SM1 and SM2)



SM1 – Will have Service Manager Console, Service Manager Primary Management Server, Service Manager Database & Service Manager Web Portal

SM2 – Will have Service Manager Data Warehouse Management Server & Service Manager Data Warehouse Database

Prerequisites

RSAT AD tool – Install-WindowsFeature RSAT-AD-PowerShell
 Administrator: Windows PowerShell
 Windows PowerShell
 Copyright (C) Microsoft Corporation. All rights reserved.
 PS C:\Users\ADMINISTRATOR.RAMLAN> Install-WindowsFeature RSAT-AD-PowerShell
 Success Restart Needed Exit Code Feature Result
 True No Success {Remote Server Administration Tools, Activ...

 .NET Framework 3.5 – Installed from Server Manager Features

🔺 🔽 .NI	T Framework 3.5 Features
~	NET Framework 3.5 (includes .NET 2.0 and 3.0

Name	Date modified	Туре	Size
<u> 1 ReportViewer</u>	28-Dec-2019 5:04	Application	<u>2,231 KB</u>
🔁 <u>2. sqlncli</u>	28-Dec-2019 5:05	Windows Installer	<u>4,956 KB</u>
🛃 <u>3. SQL AS AMO</u>	<u>28-Dec-2019 5:05</u>	Windows Installer	<u>4,200 KB</u>

- Report Viewer 2008
- SQL Server 2012 Native Client <u>https://www.microsoft.com/en-gb/download/details.aspx?id=29065</u>
- SQL Server 2014 Analysis Management Objects <u>https://www.microsoft.com/en-gb/download/details.aspx?id=42295</u>

Report Viewer:

🐉 Microsoft Report Viewer Redistributable 2008 (KB971119) Setup 🛛 🗌 🛛 🗙

Welcome to Microsoft Report Viewer Redistributable 2008 (KB971119) Setup

This wizard will guide you through the installation process.

Next >	Cancel

👹 Microsoft Report Viewer Redistributable 2008 (KB971119) Setup 🛛 🗌 🛛 🗙

License Terms

Be sure to carefully read and understand all the rights and restrictions descr license terms. You must accept the license terms before you can install the s	
MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT REPORTVIEWER 2008 WITH SERVICE PACK 1 These license terms are an agreement between Microsoft Corporation (or b where you live, one of its affiliates) and you. Please read them. They appl software named above, which includes the media on which you received it, terms also apply to any Microsoft * updates, * supplements,	y to the
	Print
Press the Page Down key to see more text.	
☑ I have read and accept the license terms.	
< Back Install >	Cancel
Microsoft Report Viewer Redistributable 2008 (KB971119) Setup –	- 🗆 X
Setup Complete	
Microsoft Report Viewer Redistributable 2008 (KB971119) has bee successfully installed.	en
It is highly recommended that you download and install the latest service pac security updates for this product.	ks and
For more information, visit the following Web site:	
Product Support Center	
	Finish

SQL Native Client:

🖟 Microsoft SQL Server 2012 Native Client Setup			
	Welcome to the Installation Wizard 2012 Native Client	for SQL Server	
	Setup helps you install, modify or remove SQL S Client . To continue, click Next.	Server 2012 Native	
	WARNING: This program is protected by copyrig nternational treaties.	ght law and	
	< Back Next >	Cancel	
🖟 Microsoft SQL Server 20	12 Native Client Setup	×	
License Agreement Please read the following	license agreement carefully.		
MICROSOFT SOFTWA	RE LICENSE TERMS	^	
MICROSOFT SOL SERV	/ER 2012 NATIVE CLIENT		
These license terms ar based on where you liv They apply to the softw	e an agreement between Microsoft Corp e, one of its affiliates) and you. Please r are named above, which includes the n The terms also apply to any Microsoft	read them.	
 updates, 		~	
 I accept the terms in the 	license agreement		
○ I do not accept the term	in the license agreement		
	< Back Next >	Cancel	

Hicrosoft SQL Server 2012 Native Client Setup

No microsoft SQL Server 2	one reactive cheme becop	,	~
Feature Selection			
Select the program feat	ures you would like to inst	all.	
Click an icon in the follow	ving list to change how a f	eature is installed. ————————————————————————————————————	acciption
Client Comp	onents Native Client SDK		SQL Server Native
Installation path			
			Browse
			Disk Cost
	< Back	Next >	Cancel
🙀 Microsoft SQL Server 2			×
Ready to Install the Pr	rogram		
Setup is ready to begin i			
,,			
If you want to review or exit Setup.	r change any of your inst	allation settings, dick Ba	.ck. Click Cancel to
	< Back	Install	Cancel
Hicrosoft SQL Server 2	012 Native Client Setur	0	×
Completing the SQL Server 2012 Native Client installation Setup has installed SQL Server 2012 Native Client successfully. Click Finish to exit.			
	< Back	Finish	Cancel

\times

SQL Analysis Management Objects:

🛃 SQL Server 2014 Analysis Management Objects Setup			
	Welcome to the Installation Wizard 2014 Analysis Management Objects		
	Setup helps you install, modify or remove SQL Se Management Objects . To continue, dick Next.	erver 2014 Analysis	
	WARNING: This program is protected by copyrig international treaties.	ht law and	
	< Back Next >	Cancel	
🖟 SQL Server 2014 Analy	sis Management Objects Setup	×	
License Agreement Please read the followin	g license agreement carefully.		
MICROSOFT SOFTWA	ARE LICENSE TERMS	^	
MICROSOFT SOL SER	VER 2014 ANALYSIS MANAGEMENT O	BJECTS	
These license terms a based on where you li They apply to the soft	re an agreement between Microsoft Corp ive, one of its affiliates) and you. Please re ware named above, which includes the m . The terms also apply to any Microsoft	oration (or ead them.	
 updates, 		~	
I accept the terms in the	e license agreement		
I do not accept the terr	ns in the license agreement		
	< Back Next >	Cancel	

🛃 SQL Server 2014 Analysis Management Objects Setup 🛛 🗙					
Ready to Install the Program					
Setup is ready to begin	Setup is ready to begin installation.				
Click Install to begin the If you want to review o exit Setup.	e installation. or change any of your insta	allation settings, dick Ba	ck. Click Cancel to		
垠 SQL Server 2014 Analy	< Back	Install s Setup	Cancel		
	Completing the SQ Management Object Setup has installed SQL S successfully. Click Finish	c ts installation			
	< Back	Finish	Cancel		

Service Accounts & Groups:

Create these accounts and group in AD as it will be required during the installation.

Service Manager Service Account – **SMSrv** Service Manager Work Flow Account – **SMWf** Service Manager Admin Group – **SMAdmin**

Add **SMSrv, SMWf** to SMAdmin group + Add above accounts & group to local administrator on each server (**SM1 & SM2**)

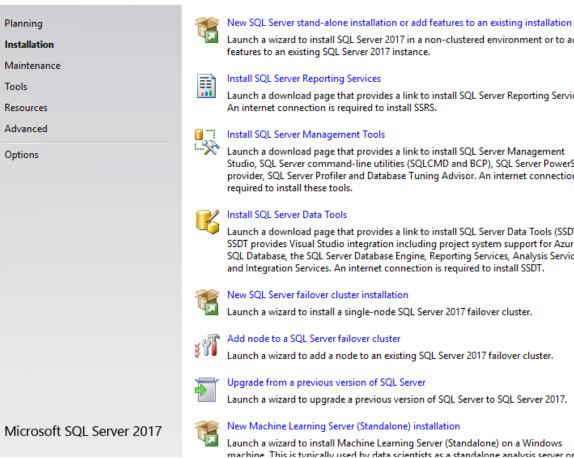
SQL 2017:

SM1 > DVD Drive (D:) SqlSetup_x64_ENU >

	Name	Date modified	Туре	Size
*	1033 ENU LP	23-Aug-2017 1:55	File folder	
	redist	23-Aug-2017 1:55	<u>File folder</u>	
*	resources	23-Aug-2017 1:55	File folder	
*	Tools	23-Aug-2017 1:55	File folder	
*	<u>x64</u>	23-Aug-2017 5:52	<u>File folder</u>	
	autorun autorun	04-Aug-2017 10:0	Setup Information	<u>1 KB</u>
	Medialnfo	23-Aug-2017 1:57	XML Document	<u>1 KB</u>
	🖾 setup	22-Aug-2017 8:38	Application	<u>107 KB</u>
	setup.exe.config	<u>18-Aug-2017 4:41</u>	CONFIG File	<u>1 KB</u>
	SqlSetupBootstrapper.dll	22-Aug-2017 8:20	Application extens	<u>235 KB</u>

髋 SQL Server Installation Center

Х



Launch a wizard to install SQL Server 2017 in a non-clustered environment or to add features to an existing SQL Server 2017 instance.

Launch a download page that provides a link to install SQL Server Reporting Services. An internet connection is required to install SSRS.

Install SQL Server Management Tools

Launch a download page that provides a link to install SQL Server Management Studio, SQL Server command-line utilities (SQLCMD and BCP), SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools.

Launch a download page that provides a link to install SQL Server Data Tools (SSDT). SSDT provides Visual Studio integration including project system support for Azure SQL Database, the SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An internet connection is required to install SSDT.

New SQL Server failover cluster installation

Launch a wizard to install a single-node SQL Server 2017 failover cluster.

Add node to a SQL Server failover cluster

Launch a wizard to add a node to an existing SQL Server 2017 failover cluster.

Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2017.

New Machine Learning Server (Standalone) installation

Launch a wizard to install Machine Learning Server (Standalone) on a Windows machine. This is tynically used by data scientists as a standalone analysis server or as a

📸 SQL Server 2017 Setup	- 0	×
Product Key		
Specify the edition of SQL Se	rver 2017 to install.	
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress Complete	Validate this instance of SQL Server 2017 by entering the 25-character key from the Microsoft certificat of authenticity or product packaging. You can also specify a free edition of SQL Server: Developer, Evaluation, or Express. Evaluation has the largest set of SQL Server features, as documented in SQL Ser Books Online, and is activated with a 180-day expiration. Developer edition does not have an expiratio has the same set of features found in Evaluation, but is licensed for non-production database applicati development only. To upgrade from one installed edition to another, run the Edition Upgrade Wizard. O Specify a free edition: Evaluation © Enter the product key:	ver n,
🃸 SQL Server 2017 Setup	< Back Next > Cance	4 ×
License Terms To install SQL Server 2017, ye	ou must accept the Microsoft Software License Terms.	
Product Key License Terms	MICROSOFT SOFTWARE LICENSE TERMS	^
Global Rules Microsoft Update	MICROSOFT SQL SERVER 2017 ENTERPRISE	
Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress	 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, Internet-based services, and 	
Complete		ð
	Copy P I accept the license terms. SQL Server 2017 transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about SQL Server 2017 data processing and privacy controls, please see the <u>Privacy Statement</u> .	Print
	processing and privacy controls, predicise are in <u>invacy observent</u> er	
	< Back Next > Cancel	

髋 SQL Server 2017 Setup		- 🗆 X
Microsoft Update		
Use Microsoft Update to chec	k for important updates	
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress Complete	Microsoft Update offers security and other important up software, including SQL Server 2017. Updates are deliver the Microsoft Update website. Use Microsoft Update to check for updates (recommer <u>Microsoft Update FAQ</u> <u>Microsoft Update Privacy Statement</u>	ed using Automatic Updates, or you can visit
	problems that might occur while running Setup. Failures must k	< Back Next > Cancel — □ × be corrected before Setup
can continue.		
Product Key License Terms	Operation completed. Passed: 3. Failed 0. Warning 1. Ski	oped 0.
Global Rules		
Microsoft Update	Hide details <<	Re-run
Product Updates	View detailed report	
Install Setup Files		
Install Rules	Rule	Status
Feature Selection	Fusion Active Template Library (ATL)	Passed
Feature Rules	Consistency validation for SQL Server registry keys	Passed
Feature Configuration Rules	Computer domain controller	Passed
Ready to Install	🛕 Windows Firewall	Warning
Installation Progress Complete		
		< Back Next > Cancel

📸 SQL Server 2017 Setup

Feature Selection

Select the Enterprise features to install.

Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Analysis Services Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Instance Features Database Engine Services SQL Server Replication Machine Learning Services (In-Database) R Python Full-Text and Semantic Extractions for Sea Data Quality Services PolyBase Query Service for External Data Analysis Services Charles Intervention Select All Unselect All Instance root directory: C:\Program Files\Micro Shared feature directory:		Feature description: Includes Analysis Services and tools used to support online analytical processing (OLAP) and data mining. Only Database Engine Prerequisites for selected features: Already installed: Windows PowerShell 3.0 or higher Windows PowerShell 3.0 or higher		
📸 SQL Server 2017 Setup				_	
Instance Configuration Specify the name and instance of Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Analysis Services Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	D for the instance of SQL Server. In O Default instance Named instance: SM Instance ID: SM SQL Server directory: C:\F Analysis Services directory: C:\F Installed instances: Instance Name Instance	Program Files\Microsoft	t SQL Server\MSSC	2L14.SM 514.SM	Version
			< Back	Next >	Cancel

– 🗆 X

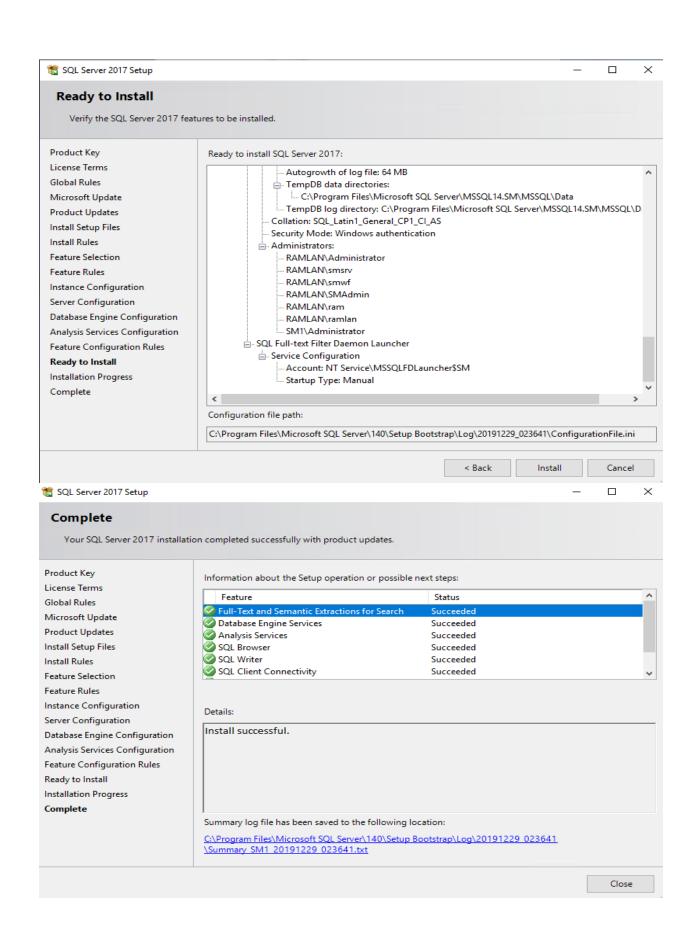
Server Configuration

Specify the service accounts and collation configuration.

Product Updates	Microsoft recommends that you use				
Microsoft Update Product Updates Install Setup Files		a separate account for each	SQL Server service	e.	
	Service	Account Name	Password	Startup Typ	2
Install Setup Files	SQL Server Agent	RAMLAN\Administrator	•••••	Automatic	~
	SQL Server Database Engine	RAMLAN\Administrator	•••••	Automatic	~
Install Rules	SQL Server Analysis Services	RAMLAN\Administrator	•••••	Automatic	~
Feature Selection	SQL Full-text Filter Daemon Launc	NT Service\MSSQLFDLa		Manual	
Feature Rules	SQL Server Browser	NT AUTHORITY\LOCAL		Automatic	~
nstance Configuration					
Server Configuration	Grant Perform Volume Maintenan	nce Task privilege to SQL Ser	ver Database Eng	ine Service	
Database Engine Configuration	This privilege enables instant file	initialization by avoiding zer	oing of data page	es. This may lead	
Analysis Services Configuration	to information disclosure by allow			,,	
Feature Configuration Rules	Click here for details				
Ready to Install					
Installation Progress					
Complete					
complete					
		< Bac	k Next	> Can	cel
📱 SQL Server 2017 Setup				- 🗆	
Server Configuration					
Specify the service accounts and	collation configuration.				
Product Key	Service Accounts Collation				
License Terms	Service Accounts Condition				
Global Rules	Database Engine:				^
Microsoft Update	SQL_Latin1_General_CP1_CI_AS			Customize	
	and the second second				
Product Updates	Latin1-General, case-insensitive, acce				
Product Updates Install Setup Files	Latin1-General, case-insensitive, acce insensitive for Unicode Data, SQL Ser non-Unicode Data				
Product Updates nstall Setup Files nstall Rules	insensitive for Unicode Data, SQL Ser				
Product Updates nstall Setup Files nstall Rules Feature Selection	insensitive for Unicode Data, SQL Ser				
Product Updates Install Setup Files Install Rules Feature Selection Feature Rules	insensitive for Unicode Data, SQL Ser non-Unicode Data Analysis Services:			Customize	
Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration	insensitive for Unicode Data, SQL Ser non-Unicode Data Analysis Services: Latin1_General_CI_AS	rver Sort Order 52 on Code P	age 1252 for	Customize.	
Product Updates Install Setup Files Install Rules eature Selection feature Rules Instance Configuration Server Configuration	insensitive for Unicode Data, SQL Ser non-Unicode Data Analysis Services:	rver Sort Order 52 on Code P	age 1252 for	Customize.	
Product Updates Install Setup Files Install Rules eature Selection eature Rules Instance Configuration Gerver Configuration Database Engine Configuration	insensitive for Unicode Data, SQL Ser non-Unicode Data Analysis Services: Latin1_General_CI_AS Latin1-General, case-insensitive, acce insensitive	ent-sensitive, kanatype-inser	age 1252 for nsitive, width-	Customize.	
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Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Analysis Services Configuration Feature Configuration Rules	insensitive for Unicode Data, SQL Ser non-Unicode Data Analysis Services: Latin1_General_CI_AS Latin1-General, case-insensitive, acce insensitive	ent-sensitive, kanatype-inser	age 1252 for nsitive, width-	Customize.	
Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Analysis Services Configuration Feature Configuration Rules Ready to Install	insensitive for Unicode Data, SQL Ser non-Unicode Data Analysis Services: Latin1_General_CI_AS Latin1-General, case-insensitive, acce insensitive	ent-sensitive, kanatype-inser	age 1252 for nsitive, width-	Customize.	
Product Updates nstall Setup Files nstall Rules Feature Selection Feature Rules nstance Configuration Server Configuration Database Engine Configuration Analysis Services Configuration Feature Configuration Rules Ready to Install	insensitive for Unicode Data, SQL Ser non-Unicode Data Analysis Services: Latin1_General_CI_AS Latin1-General, case-insensitive, acce insensitive	ent-sensitive, kanatype-inser	age 1252 for nsitive, width-	Customize.	
Product Updates nstall Setup Files nstall Rules Feature Selection Feature Rules nstance Configuration Server Configuration Database Engine Configuration Analysis Services Configuration Feature Configuration Rules Ready to Install nstallation Progress	insensitive for Unicode Data, SQL Ser non-Unicode Data Analysis Services: Latin1_General_CI_AS Latin1-General, case-insensitive, acce insensitive	ent-sensitive, kanatype-inser	age 1252 for nsitive, width-	Customize.	
Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Catabase Engine Configuration Analysis Services Configuration Feature Configuration Rules Ready to Install Installation Progress	insensitive for Unicode Data, SQL Ser non-Unicode Data Analysis Services: Latin1_General_CI_AS Latin1-General, case-insensitive, acce insensitive	ent-sensitive, kanatype-inser	age 1252 for nsitive, width-	Customize.	
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Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Analysis Services Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	insensitive for Unicode Data, SQL Ser non-Unicode Data Analysis Services: Latin1_General_CI_AS Latin1-General, case-insensitive, acce insensitive	ent-sensitive, kanatype-inser	age 1252 for nsitive, width-	Customize.	

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Database Engine Confi	guration	
Specify Database Engine authe	ntication security mode, administrators, data directories and TempDB settings.	
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Analysis Services Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Server Configuration Data Directories TempDB FILESTREAM Specify the authentication mode and administrators for the Database Eng Authentication Mode Windows authentication mode Mixed Mode (SQL Server authentication and Windows authentication) Specify the password for the SQL Server system administrator (sa) accountent password: Confirm password: Specify SQL Server administrators RAMLAN\Administrator (Administrator) RAMLAN\Smsrv (SM Srv) RAMLAN\SMAdmin (SMAdmin) RAMLAN\SMAdmin (SMAdmin) RAMLAN\Smsrv (Ram) RAMLAN\Smsrv (Administrator)	
SQL Server 2017 Setup Analysis Services Confi Specify Analysis Services server	< Back guration modes, administrators, and data directories.	Next > Cancel - Cancel ×
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Analysis Services Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Server Configuration Data Directories Server Mode: Multidimensional and Data Mining Mode Tabular Mode PowerPivot Mode Specify which users have administrative permissions for Analysis Services. RAMLAN\Administrator (Administrator) RAMLAN\smsrv (SM Srv) RAMLAN\SMAdmin (SMAdmin) SM1\Administrator (Administrator) Add Current User Add Remove	Analysis Services administrators have unrestricted access to Analysis Services.
	< Back	Next > Cancel



SQL Reporting Services:



Microsoft SQL	Server	2017	Reporting	Services

(October 2017)

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MICROSOFT SQL SERVER 2017 ENTERPRISE

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< Previous

Next >

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Microsoft SQL Server 2017 Reporting Services

(October 2017)

Install Database Engine

You'll need an instance of SQL Server Database Engine to store the report server database.

Install Reporting Services only

You'll need to have or install a Database Engine instance on this server or on a different server. Learn more about supported Database Engine versions and editions

Next >

			_ ×
Microsoft SQL (October 2017)	Server 201	7 Reporting Se	ervices
Specify an install locatic	n		
Install location			
C:\Program Files\Microsoft SQL Se	erver Reporting Services	Brow	wse
Cancel		< Previous	Install
Microsoft SQL (October 2017) Setup completed We've installed the files you n Manager to configure your re Learn more	eed. Restart the comp		
	Restart	Configure report server	Close

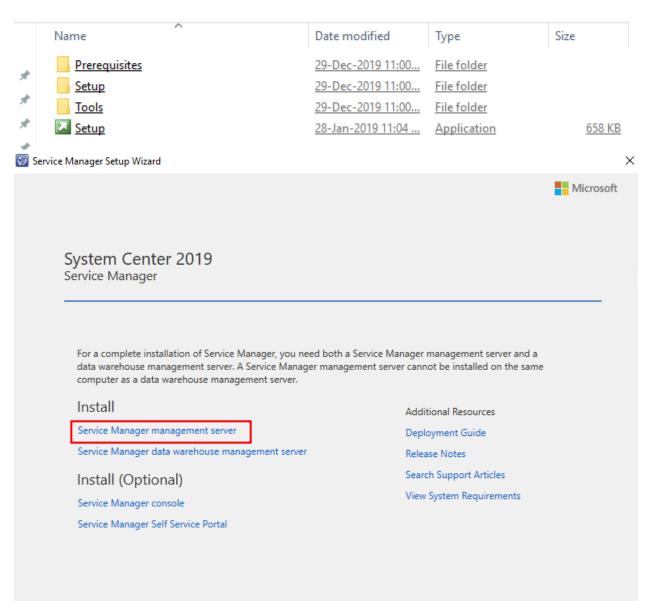
SQL Management Studio:

_
RELEASE 18.4 Microsoft SQL Server Management Studio
Microsoft SQL Server Management Studio
Welcome. Click "Install" to begin.
C:\Program Files (x86)\Microsoft SQL Server Management Studio 18 Change
By clicking the "Install" button, I acknowledge that I accept the <u>License Terms</u> and <u>Privacy Statement</u> .
SQL Server Management Studio transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about data processing and privacy controls, and to turn off the collection of this information after installation, see the <u>documentation</u> .
Install Close
… ※ Microsoft SQL Server Management Studio
Restart required in order to complete setup.
All specified components have been installed successfully.
The computer needs to be restarted before setup can continue.
Restart Close

Service Manager 2019 Install:

Now we are ready to install System Center Service Manager 2019 (SCSM).

SM1 > OS (C:) > Temp > System Center Service Manager 2019 >



© Microsoft Corporation. All rights reserved.

Cancel

Gettin	ng started										
	Product reg	gistration									
	Name:		Administra	tor							
	Organization:		RAMLAN II	NC							
	Product key:										
			🗌 Install a	s an evaluat	ion edition	(180 day trial)					
	Privacy statement	for System Cen	ter Service Ma	anager							
	License terms:										
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	e Manager Setup W g started	izard					< Previous	N	lext >	Ca	ancel X
	Installation										
	The recommended	d default locatio	on for program	n files is disp	layed.						
	Location:	Disk space re Free space: 2		-	nter\Service	Manager			Browse.		
							< Previous	N	lext >	C=	ancel
							< Previous	IN	EXL 2	Ca	incel

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uisites		
System check results		
Setup can continue but this computer de	oes not meet optimum system requirements, which may affect performance.	
Service Manager Management Ser	ver Expand All (2 ^
A Memory check	There is not enough memory in this computer	-
- Memory check	The suggested memory requirement is 8190 MB. This computer has only 8046 MB.	
Microsoft SQL Server 2014 Analysis Management Objects	Microsoft SQL Server 2014 Analysis Management Objects is installed	-
1 Processor speed check	The CPU processor does not meet the recommended specifications The minimum processor speed recommended is 2500 MHz. This computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 2. This computer's processor has only 1.	5
Windows version check	A supported version of Windows is installed	_
Microsoft Report Viewer Redistributable check Review full system requirements	Microsoft Report Viewer Redistributable is installed	~
e Manager Setup Wizard uisites	< Previous Next >	(
uisites	< Previous Next >	(
uisites System check results		(
uisites System check results	< Previous Next > Oes not meet optimum system requirements, which may affect performance.	
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Service Manager Setup Wizard			\times
Configuration			
Configure the	Service Manager database	a	
Configure the c	Service Manager Galabase		
		QL Server that contains or will contain the Service	•
Manager database. The	n, select whether to create a new databa	ase or use an existing Service Manager database.	
Connecting to instar	nce		
Server name and Instand	ce name;	SQL Server port:	
sm1\sm		1433	
Format: server name\ins	Carefornia datatas	×	
 Create a new databa 	Configure database	^	
	Service Manager has discover	red the use of an unsupported	
		pported collation (including the	
	unpredictable behavior in m		
		vice Manager, and later decide to u will have to reinstall Service	
	Manager which results in the	e loss of all accumulated data. For ons, consult the Microsoft System	
	Center Service Manager Plan		
		ОК	
		< Previous Next >	Cancel
Service Manager Setup Wizard		< Plevious INext >	X
ervice Manager Setup Wizard			^
onfiguration			
Configure the S	Service Manager database	2	
		QL Server that contains or will contain the Service ase or use an existing Service Manager database.	
SQL Server Instance	validation is successfull		
-			
Server name and Instanc	e name:	SQL Server port: 1433	
Format: server name\inst	tance name	1455	
 Create a new databas 	se 🔿 Use an existing database		
-		Size (MB): 2000	
-	ServiceManager		
Data file folder:		L Server\MSSQL14.SM\MSSQL\DATA Bro	
			wse
Log file folder:		L Server\MSSQL14.SM\MSSQL\DATA Bro	wse
Log file folder:		L Server\MSSQL14.SM\MSSQL\DATA Bro	
Log file folder:		L Server\MSSQL14.SM\MSSQL\DATA Bro	
Log file folder:		L Server\MSSQL14.SM\MSSQL\DATA Bro	
Log file folder:		L Server\MSSQL14.SM\MSSQL\DATA Bro	
Log file folder:		IL Server\MSSQL14.SM\MSSQL\DATA Bro	
Log file folder:		L Server\MSSQL14.SM\MSSQL\DATA Bro	wse

Configuration
Configure the Service Manager management group Enter a unique name for the Service Manager management group. The name could represent your company name, organization name, or a physical location.
Management group name: LABSM
Browse for a user or group that you want to designate as a management group administrator. The members of this group will have full permission to perform any action within the management group, and they will have access to the Service Manager console. Management group administrators: RAMLAN\SMAdmin Browse
< Previous Next > Cancel Service Manager Setup Wizard ×
Configuration
Configure the account for Service Manager services The Service Manager services can run under the Local System account or under a domain user or service account that has been made a local administrator on this server. Setup will map the domain account to the appropriate SQL Server roles.
 Local System account Domain account:
User name: smsrv Password:
Domain:
Test Credentials
< Previous Next > Cancel

 \times

Configurat	tion
The	onfigure the Service Manager workflow account Service Manager workflows run under this account. Setup will make the domain account a member of the local Users Irity group on this server. If setting up e-mail notifications later, this account will need to be e-mail enabled.
	○ Local System account
	Domain account:
	User name:
	smwf
	Password:
	•••••
	Domain:
	RAMLAN
	Test Credentials I The credentials were accepted.
	< Previous Next > Cancel
🔯 Service Man	ager Setup Wizard X
Configurat	tion
Configurat	
-	
Dia	apportic and usage data
Dia	agnostic and usage data
usag Micro reliab any p the s	u use this Service Manager console to connect to a Service Manager management server that is sending diagnostic and le data to Microsoft, the Service Manager console will also send this data. osoft automatically collects usage and performance data over the internet ("Data"). Microsoft uses this Data to provide and ove the quality, security and integrity of Microsoft products and services. For example, we analyze performance and bility, such as what features you use, how quickly the features respond, device performance, user interface interactions, and problems you experience with the product. Data will also include information about the configuration of your software like software version you are currently running, and the IP address.
This t work	i ce/Control: feature is on by default. Administrators can turn off this feature anytime by changing the setting found in the Settings rspace of the Service Manager Console and Self Service Portal's Web.config file (may also require service restart) d more].
notic	nformation about the other data collection and usage, see Privacy statement for System Center Service Manager This the replaces the Customer Experience Improvement Program (CEIP) description in the Service Manager section of the Privacy ement. All other sections of the Privacy Statement apply.
	C Previous Next > Cancel

< Previous Next > Cancel

Inst	allation summary	
Review	v the selections for the parts you are installing. To continue, click Install. To change t	these selections, click Previous.
-	am files location: ogram Files\Microsoft System Center\Service Manager	^
Mana LABS	igement group name: M	
	e Manager administrators group: LAN\SMAdmin	
	unt for Service Manager services: LAN\smsrv	
	flow account: LAN\smwf	
	file location: ogram Files\Microsoft SQL Server\MSSQL14.SM\MSSQL\DATA	
-	ile location:	
C:\Pro	ogram Files\Microsoft SQL Server\MSSQL14.SM\MSSQL\DATA	×
	<	Previous Install Cance
ervice Manag	ger Setup Wizard	Previous Install Cance
		Previous Install Cance
ervice Manag nished		Previous Install Cance
		Previous Install Cance
nished	ger Setup Wizard	Previous Install Cance
nished		Previous Install Cance
Setup co	ger Setup Wizard Ompleted successfully. Deter this Service Manager management server to become a replacement for an initial	(or primary) management server, and
Setup co	ger Setup Wizard Ompleted successfully. Dete this Service Manager management server to become a replacement for an initial lata warehouse management server in your environment, then be sure to register the	l (or primary) management server, and, is Service Manager management
nished Setup co If you promo you have a d server with ti	ger Setup Wizard Ompleted successfully. Deter this Service Manager management server to become a replacement for an initial	l (or primary) management server, and, is Service Manager management
nished Setup co If you promo you have a d server with ti	ger Setup Wizard Completed successfully. The this Service Manager management server to become a replacement for an initial lata warehouse management server in your environment, then be sure to register th the data warehouse. For more information, see the topic "Registering with the Service	l (or primary) management server, and, is Service Manager management
nished Setup co If you promo you have a d server with ti	ger Setup Wizard Ompleted successfully. Dete this Service Manager management server to become a replacement for an initial lata warehouse management server in your environment, then be sure to register th he data warehouse. For more information, see the topic "Registering with the Service h the <u>Service Manager Deployment Guide</u> .	l (or primary) management server, and, is Service Manager management
nished Setup co If you promo you have a d server with ti Reporting" ir	ger Setup Wizard Completed successfully. the this Service Manager management server to become a replacement for an initial lata warehouse management server in your environment, then be sure to register th the data warehouse. For more information, see the topic "Registering with the Service th the Service Manager Deployment Guide. Initialize	I (or primary) management server, and his Service Manager management ie Manager Data Warehouse to Enable
hished Setup co If you promo you have a d server with th Reporting" ir @ @	ger Setup Wizard Ompleted successfully. Dete this Service Manager management server to become a replacement for an initial lata warehouse management server in your environment, then be sure to register th he data warehouse. For more information, see the topic "Registering with the Service to the Service Manager Deployment Guide. Initialize Install files Create database	I (or primary) management server, and, his Service Manager management te Manager Data Warehouse to Enable Deployment Guide
hished Setup co If you promo you have a d server with th Reporting" ir @ @	ger Setup Wizard	I (or primary) management server, and, iis Service Manager management ie Manager Data Warehouse to Enable Deployment Guide Release Notes
hished Setup co If you promo you have a d server with th Reporting" ir @ @	ger Setup Wizard	I (or primary) management server, and his Service Manager management re Manager Data Warehouse to Enable Deployment Guide Release Notes Search Support Articles
hished Setup co If you promo you have a d server with th Reporting" in @ @ @ @ @ @ @ @ @ @ @ @ @	ger Setup Wizard Completed successfully. Detect this Service Manager management server to become a replacement for an initial lata warehouse management server in your environment, then be sure to register th the data warehouse. For more information, see the topic "Registering with the Service to the Service Manager Deployment Guide. Initialize Install files Create database Configure registry settings Configure server Install services	I (or primary) management server, and, is Service Manager management te Manager Data Warehouse to Enable Deployment Guide Release Notes Search Support Articles View System Requirement
hished Setup co If you promo you have a d server with th Reporting" ir @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @	ger Setup Wizard	I (or primary) management server, and, is Service Manager management te Manager Data Warehouse to Enable Deployment Guide Release Notes Search Support Articles View System Requirement
hished Setup co If you promo you have a d server with th Reporting" in @ @ @ @ @ @ @ @ @ @ @ @ @	ger Setup Wizard Completed successfully. Detect this Service Manager management server to become a replacement for an initial lata warehouse management server in your environment, then be sure to register th the data warehouse. For more information, see the topic "Registering with the Service to the Service Manager Deployment Guide. Initialize Install files Create database Configure registry settings Configure server Install services	I (or primary) management server, and is Service Manager management the Manager Data Warehouse to Enable Deployment Guide Release Notes Search Support Articles View System Requirement
hished Setup co If you promo you have a d server with th Reporting" ir ⊘ ② ② ② ② ② ② ③ ② ③ ③ ③ ③ ③ ③ ③ ③ ③ ③ ③	ger Setup Wizard	I (or primary) management server, and, iis Service Manager management the Manager Data Warehouse to Enable Deployment Guide Release Notes Search Support Articles View System Requirement Open the Setup Log

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Backup Encryption Key:

후 Encryption Key Backup or Restore Wizard \times Introduction Introduction Backup or Restore? Provide a Location Introduction Provide a Password Completed This wizard helps you backup or restore the encryption key that was used to encrypt sensitive Service Manager data, such as RunAs account information. In the case of data loss, you can continue operations with data that is restored from backups. To continue, click Next. Next > Cancel 👰 Encryption Key Backup or Restore Wizard \times **Backup or Restore?** Introduction Backup or Restore? Provide a Location Select Action Provide a Password Completed Backup the Encryption Key Restore the Encryption Key If, for example, a Root Management Server were to fail and you deployed a replacement Root Management Server, you would need the original key so that the replacement Root Management Server could decrypt the data from the Operations Manager database. Next > < Previous Cancel

🖗 Encryption Key Backup or Restore Wizard

Provide a Loca	ation	
Introduction		
Backup or Restore?		
Provide a Location	Specify the Location of the Backup File	
Provide a Password		
Completed	Please provide a location to which you want the encryption key backed up, or from which you want the encryption key restored.	
	This location should not be on the same computer as the Root Management Server. Ideally, the location should be accessible in case of disaster. Examples: a shared folder on an offsite network, or a USB drive.	
	Path:	
	\\dc\myshare\SMBackupkey.bin Browse	
	Example: \\MyServer01\Backups\RMSServer01BackupKey.bin	
	< Previous Next > Finish Cancel	
Franking Kau Dashura an D		\times
Encryption Key Backup or R		
Provide a Pass	sword	
Introduction		
Backup or Restore?		
Provide a Location	Specify the Password That Will Authorize the Backup or Restore	
Provide a Password	<u> </u>	
Completed	The minimum password length is 8 characters. This password is used to secure the data in the backup file.	
	Password:	
	•••••	
	Confirm Password:	
	••••••	
	Click Next to run the operation.	
	Gierreze o fuit die operation.	
	< Previous Next > Finish Cancel	

🖗 Encryption Key Backup or Restore Wizard

Provide a Pa	ssword
Introduction	
Backup or Restore?	
Provide a Location	Secure Storage Backup Complete
Provide a Password	
Completed	Your Secure Storage Key has been successfully backed up. It is not necessary to make another backup of this key unless the backup file or the password is lost.
	< Previous Next > Finish Cancel

SPN Entry:

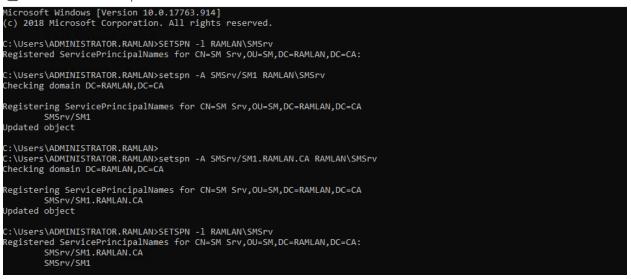
Now we need to find out if proper SPN entry has been created. Open command prompt as administrator and run below commands.

SETSPN - I RAMLAN\SMSrv

setspn – A SMSrv/SM1 RAMLAN\SMSrv

setspn -A SMSrv/SM1.RAMLAN.CA RAMLAN\SMSrv

Administrator: Command Prompt



\times

_

X

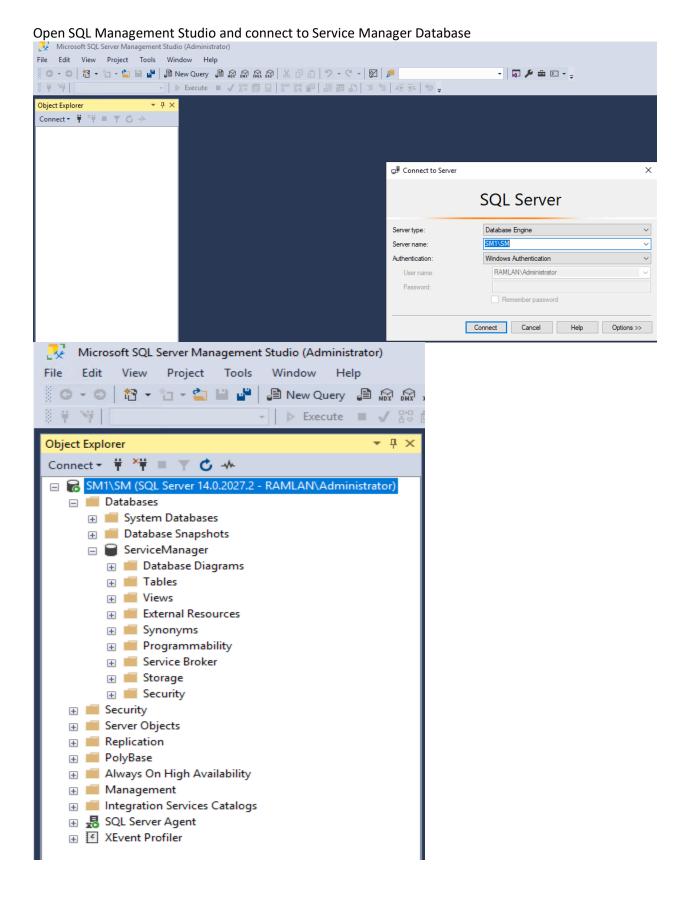
Validate Service Manager Installation:

Open Services.msc and check these services have started

🖏 Microsoft Monitoring Agent	The Monito	Running	Automatic	Local Syste
System Center Data Access Service	Microsoft S	Running	Automatic	RAMLAN\s
System Center Management Configuration	System Cen	Running	Automatic	RAMLAN\s

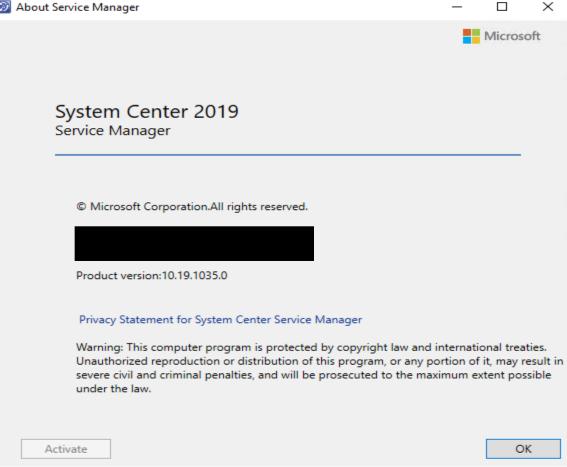
Open System Center Console from Programs and connect to the server.

File Language View Go Tools Tasks Help		
	✓ ✓	ş
 Service Manager 2019 Console File Language View Go Tools Tasks Help 		
Administration Administration Admi		
Administration Announcements Connectors Deleted Items Management Packs Notifications Security Service Level Management Settings I Workflows Context Settings I Workflows Context Settings I Workflows Context Settings Context Settin	Administration Administration Overview Summary of the Administration workspace Getting Started Required configuration tasks before you begin usin Set Up Notifications Configure Service Manager notification options to enable communication by e- mail. Configure notification channels Set up subscriptions Configure and templates	Ing Service Manager Create connectors Create incidents from Configuration Manager DCM problems and Operations Manager alerts. Create an Operations Manager connector Create an Operations Manager connector
	 Import User Accounts Import user accounts from Active Directory to keep user information up to date. Import user accounts with the Active Directory connector Create and assign user roles 	 Import Management Packs Import management packs to enable additional Service Manager functionality. Import additional management packs
	 Register with Service Manager's Data Warehouse Register this Service Manager server installation with a Service Manager data wareh Register with Service Manager Data Warehouse Unregister with Service Manager Data Warehouse 	nouse installation.
Administration		
Sector Contraction of		
Work Items		
Configuration Items	K V K K K K K K K K K K K K K K K K K K	



Check Service Manager About for Version Info.

🔯 About Service Manager



Self Service Portal Pre Req:

Success

We will be installing self service portal on the same server. Let's complete the pre req through PowerShell

```
[string[]]$Features = @(
      "Web-Server",
                                              # Web Server (IIS)
      "Web-ASP",
                                       # ASP
      "Web-Asp-Net45",
                                       # ASP.NET 4.6
                                       # Basic Authentication
      "Web-Basic-Auth",
      "Web-Windows-Auth",
                                       # Windows Authentication
      "Web-Net-Ext45",
                                       # .NET Extensibility 4.6
      "Web-Mgmt-Tools",
                                       # Management Tools
      "Web-Mgmt-Console",
                                       # IIS Management Console
      "NET-WCF-HTTP-Activation45"
                                              # HTTP Activation
)
$Result = Add-WindowsFeature $Features
$Result.ExitCode
```

Administrator: Windows PowerShell	
<pre>PS C:\Users\ADMINISTRATOR.RAMLAN> [string[]]\$Features = @(</pre>	
>> "Web-Server",# Web Server (IIS)	
>> "Web-ASP",# ASP	
>> "Web-Asp-Net45",# ASP.NET 4.6	
>> "Web-Basic-Auth",# Basic Authentication	
>> "Web-Windows-Auth",# Windows Authentication	
>> "Web-Net-Ext45",# .NET Extensibility 4.6	
>> "Web-Mgmt-Tools",# Management Tools	
>> "Web-Mgmt-Console",# IIS Management Console	
>> "NET-WCF-HTTP-Activation45"# HTTP Activation	
>>)	
PS C:\Users\ADMINISTRATOR.RAMLAN>	
PS C:\Users\ADMINISTRATOR.RAMLAN> \$Result = Add-WindowsFeature \$Fe	atures
PS C:\Users\ADMINISTRATOR.RAMLAN> \$Result.ExitCode	
Success	
PS C:\Users\ADMINISTRATOR.RAMLAN> _	

_

Run this command to check features installed get-WindowsFeature -ComputerName SM1 | Where Installed

isp	lay Name	Name	Install State
x]	File and Storage Services	FileAndStorage-Services	Installed
	[X] Storage Services	Storage-Services	Installed
X]	Web Server (IIS)	Web-Server	Installed
	[X] Web Server	Web-WebServer	Installed
	[X] Common HTTP Features	Web-Common-Http	Installed
	[X] Default Document	Web-Default-Doc	Installed
	[X] Directory Browsing	Web-Dir-Browsing	Installed
	[X] HTTP Errors	Web-Http-Errors	Installed
	[X] Static Content	Web-Static-Content	Installed
	[X] Health and Diagnostics	Web-Health	Installed
	[X] HTTP Logging	Web-Http-Logging	Installed
	[X] Performance	Web-Performance	Installed
	[X] Static Content Compression	Web-Stat-Compression	Installed
	[X] Security	Web-Security	Installe
	[X] Request Filtering	Web-Filtering	Installe
	[X] Basic Authentication	Web-Basic-Auth	Installe
	[X] Windows Authentication	Web-Windows-Auth	Installe
	[X] Application Development	Web-App-Dev	Installe
	[X] .NET Extensibility 4.7	Web-Net-Ext45	Installe
	[X] ASP	Web-ASP	Installe
	[X] ASP.NET 4.7	Web-Asp-Net45	Installe
	[X] ISAPI Extensions	Web-ISAPI-Ext	Installe
	[X] ISAPI Filters	Web-ISAPI-Filter	Installe
	[X] Management Tools	Web-Mgmt-Tools	Installe
	[X] IIS Management Console	Web-Mgmt-Console	Installe
n	.NET Framework 3.5 Features	NET-Framework-Features	Installe
	[X] .NET Framework 3.5 (includes .NET 2.0 and 3.0)		Installe
	.NET Framework 4.7 Features	NET-Framework-45-Fea	Installe
	[X] .NET Framework 4.7	NET-Framework-45-Core	Installe
	[X] ASP.NET 4.7	NET-Framework-45-ASPNET	Installe
	[X] WCF Services	NET-WCF-Services45	Installe
	[X] HTTP Activation	NET-WCF-HTTP-Activat	Installe
	[X] TCP Port Sharing	NET-WCF-TCP-PortShar	Installe
a	BranchCache	BranchCache	Installe
	Remote Differential Compression	RDC	Installe
	Remote Server Administration Tools	RSAT	Installe
	[X] Role Administration Tools	RSAT-Role-Tools	Installe
	[X] AD DS and AD LDS Tools	RSAT-AD-Tools	Installe
	[X] Active Directory module for Windows		Installe
1	System Data Archiver	System-DataArchiver	Installe
	Windows Defender Antivirus	Windows-Defender	Installe
	Windows PowerShell	PowerShellRoot	Installe
-	[X] Windows PowerShell 5.1	PowerShell	Installe
	[X] Windows PowerShell 2.0 Engine	PowerShell-V2	Installe
	[X] Windows PowerShell ISE	PowerShell-ISE	Installe
	Windows Process Activation Service	WAS	Installe
	[X] Process Model	WAS-Process-Model	Installe
	[X] Configuration APIs	WAS-Config-APIs	Installe
	WoW64 Support	WoW64-Support	Installe
	XPS Viewer	XPS-Viewer	Installe

Service Manager 2019 Portal Install:

SM1 > OS (C:) > Temp > System Center	Service Manager 2019	9
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Name	Da	ate modified	Туре	Size	
Prerequisites	29	-Dec-2019 11:00	File folder		
* Setup		-Dec-2019 11:00	File folder		
Tools		-Dec-2019 11:00	File folder		
X Setup		3-Jan-2019 11:04	Application		658 KB
Service Manager Setup Wizard					×
Service Manager Setap Wizard				—	licrosoft
System Center 2019 Service Manager					
For a complete installation of Ser data warehouse management sei computer as a data warehouse m Install	rver. A Service Manager m	anagement server canno	ot be installed on		
Service Manager management se	an var		ional Resources		
Service Manager Hanagement se			yment Guide se Notes		
Install (Optional)	2		h Support Articles	s	
Service Manager console			System Requirem		
Service Manager Console Service Manager Self Service Por	tal				
© Microsoft Corporation. All rights reserved.					Cancel
Service Manager Setup Wizard					>
Getting started					
Product registration					
Name:	Administrator				
Organization:	RAMLAN INC				
Privacy statement for System Center	r Service Manager				
License terms:					
PLEASE NOTE: You may use a ("Supplement") with your comp Product").					t
Refer to the Microsoft Product's Supplement to you and for sup do not have a license for the ur	port information. You i	may not use the Supp			
✓ I have read, understood, and age	ree with the terms of the	license terms.		Print	
			< Previous	Next >	Cancel

ng started			
Installation loca	ation		
The recommended default location for the Self S		the Self Service Portal is displayed.	
Location: C:\	inetpub\wwwro	ot\SelfServicePortal	Browse
Dis	k space require	d: 1 GB	
Fre	e space: 218.8 (GB	
\odot	The disk space	is verified.	
			[••••••]
		< Previous	Next > Canc
e Manager Setup Wizard			
quisites			
quisites			
quisites			
System check re	esults		
System check re		oor not most optimum system requirements which may affect	noformanco
System check re		oes not meet optimum system requirements, which may affect	performance.
System check re Setup can continue but	this computer d		
System check re Setup can continue but Service Manager Self	this computer d	il	performance.
System check re Setup can continue but	this computer d	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu	Expand All 📀 ^
System check re Setup can continue but Service Manager Self Memory check	this computer d f Service Porta	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB.	Expand All 📀 ^
System check re Setup can continue but Service Manager Self	this computer d f Service Porta	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB. The CPU processor does not meet the recommended spec	Expand All 📀 ^
System check re Setup can continue but Service Manager Self Memory check	this computer d f Service Porta	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB. The CPU processor does not meet the recommended spec The minimum processor speed recommended is 2500 MHz. T computer's processor speed is 1995 MHz.	Expand All
System check re Setup can continue but Service Manager Self Memory check	this computer d f Service Porta	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB. The CPU processor does not meet the recommended spec The minimum processor speed recommended is 2500 MHz. T	Expand All
System check re Setup can continue but i Service Manager Self Memory check	this computer d f Service Porta	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB. The CPU processor does not meet the recommended spec The minimum processor speed recommended is 2500 MHz. T computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 2. computer's processor has only 1.	Expand All
System check re Setup can continue but to Service Manager Self Memory check	this computer d f Service Porta	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB. The CPU processor does not meet the recommended spec The minimum processor speed recommended is 2500 MHz. T computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 2.	Expand All
System check re Setup can continue but to Service Manager Self Memory check Processor speed ch O IIS check ASP.NET check	this computer d f Service Porta eck	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB. The CPU processor does not meet the recommended spec The minimum processor speed recommended is 2500 MHz. T computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 2. computer's processor has only 1. IIS 7.0 is installed	Expand All
System check re Setup can continue but to Service Manager Self Memory check	this computer d f Service Porta eck	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB. The CPU processor does not meet the recommended spec The minimum processor speed recommended is 2500 MHz. T computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 2. computer's processor has only 1. IIS 7.0 is installed ASP.NET is installed	Expand All
System check re Setup can continue but i Service Manager Self Memory check Processor speed ch O IIS check ASP.NET check Basic Authentication	this computer d f Service Porta eck eck on check cation check	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB. The CPU processor does not meet the recommended spec The minimum processor speed recommended is 2500 MHz. T computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 2. computer's processor has only 1. IIS 7.0 is installed ASP.NET is installed Basic Authentication is enabled	Expand All () iter has only cifications () This . This
System check re Setup can continue but of Service Manager Self Memory check Processor speed ch Oli S check ASP.NET check Basic Authentication Oli Mindows Authentic	this computer d f Service Porta eck eck on check cation check	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB. The CPU processor does not meet the recommended spec The minimum processor speed recommended is 2500 MHz. T computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 2. computer's processor has only 1. IIS 7.0 is installed ASP.NET is installed Basic Authentication is enabled	Expand All () iter has only cifications () This . This
System check re Setup can continue but of Service Manager Self Memory check Processor speed ch Oli S check ASP.NET check Basic Authentication Oli Mindows Authentic	this computer d f Service Porta eck eck on check cation check	There is not enough memory in this computer The suggested memory requirement is 8190 MB. This compu 8046 MB. The CPU processor does not meet the recommended spec The minimum processor speed recommended is 2500 MHz. T computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 2. computer's processor has only 1. IIS 7.0 is installed ASP.NET is installed Basic Authentication is enabled	Expand All () iter has only cifications () This . This

🐼 Servic	e Manager Setup Wizard		×
Prerec	quisites		
	System check results		
	Setup can continue but this computer of	does not meet optimum system requirements, which may affect performance.	
	Windows Authentication check	Windows Authentication is enabled	^
	Microsoft .NET Framework 4 check	Microsoft .NET Framework 4 is installed	
	Windows version check	A supported version of Windows is installed	
	HTTP Activation check	WCF Services HTTP is activated	
	Microsoft IIS-feature ASP check	Microsoft IIS-feature ASP is installed	
	Microsoft .NET 3.5 framework check	Microsoft .NET 3.5 framework is installed	
	Microsoft IIS-feature ASP.NET 4.5 check	5 Microsoft IIS-feature ASP .NET 4.5 is installed	
	 Microsoft IIS-feature NetFxExtensibility 4.5 check 	Microsoft IIS-feature NetFxExtensibility 4.5 is installed	
			~
	Review full system requirements		
		< Previous Next >	Cancel
🔯 Service	e Manager Setup Wizard		×
Config	juration		
	Configure the Self Service	e Portal Server	
	Specify a name for your Self-Service Po	rtal, the Secondary SM Server name it would connect to and website port	
	Website name: Portal	.ramlan.ca	
	SM Server name: SM1.RAM	LAN.CA	
	Portal Port: 81		
	Enable SSL encryption (recommen To more securely transfer data bet Portal to use Secure Sockets Layer	ween the browser and the Self-Service Portal, you must configure the Self-Service	e
			i
	SSL certificate:	*	
		< Previous Next >	Cancel

Configuration
Configure the account for the Self-Service Portal The Self-Service Portal can access the Service Manager database under the Local System account, if installed on the same computer, or under a domain user or service account. Setup will add the domain account to the Service Manager Administrators user role. • Local System account • Domain account User name: smsrv Password: • Omain: RAMLAN Test Credentials • The credentials were accepted.
Service Manager Setup Wizard X
Configuration
Diagnostic and usage data If you use this Service Manager console to connect to a Service Manager management server that is sending diagnostic and usage data to Microsoft, the Service 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. Disconcertain and the Service Manager Console and Self Service Portal's Web.config file (may also require service restart) Read more]. To information about the other data collection and usage, see <u>Privacy statement for System Center Service Manager</u> This notice replaces the Customer Experience Improvement Program (CEIP) description in the Service Manager section of the Privacy Statement. All other sections of the Privacy Statement apply.
< Previous Next > Cancel

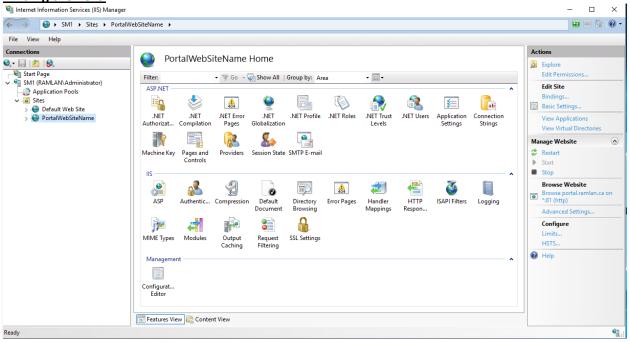
 \times

🔯 Service Manage	r Setup Wizard	×
Configuration		
Review t Self-Ser C:\inet Web co PortalV Self Ser 81 Second SM1.R/ Applica	Ilation summary the selections for the parts you are installing. To continue, click Install. To change these sele rvice Portal virtual directory: pub\wwwroot\SelfServicePortal intent server website name: VebSiteName vice Portal website port: ary SM Server Name: AMLAN.CA tion Pool account for web content server website: IN\smsrv	ctions, click Previous.
Setup co	er Setup Wizard mpleted successfully.	Install Cancel X
	alled the Self Service Portal. You can access the configuration via the Internet Information S	Services (IIS) Manager.
 (3) (3) (4) (5) (4) (5) (5) (5) (6) (7) (7)	Initialize Install files Configure portal Web site Finalize	Deployment Guide Release Notes Search Support Articles View System Requirements Open the Setup Log
		Close

Opening Portal:

(_)	🔿 🏉 htt	tp://portal.ra	mlan.ca:8	1/		
					nager 2019 Self	s × 📑
File	Edit View	Favorites		Help		
		Contos	io ITS	м		
		ce Catalo)g		V	
ຂ≡	No Offering	is found				
≡≈						
0						
I						
		a solution in	the Cata	log ?		
	Crea	ate Request				

Binding the Port:



Sit	e Bindir	ngs					? ×
Γ	Туре	Host Name	Port	IP Address		Binding Informa	Add
	http	portal.ramlan.ca	81	*			Edit
							Remove
							Browse
Add	ding th	e site to Trusted	Local Int	ranet:			
Int	ernet Opt	ions		?	\times	Local intranet	
G	eneral Se	ecurity Privacy Content	Connections	Programs Advan	ced	Use the settings below to define v the local intranet zone.	which websites are included in
	Select a zo	ne to view or change secu	rity settings.		۱ ۱	Automatically detect intranet r	

Cancel \times

Internet Local intranet Trusted sites Restricted sites	 ✓ Include all local (intranet) sites not listed in other zones ✓ Include all sites that bypass the proxy server ✓ Include all network paths (UNCs)
Local intranet Sites This zone is for all websites that are found on your intranet. Sites	What are intranet settings? Advanced OK Cancel
Security level for this zone	Local intranet X
Allowed levels for this zone: All	You can add and remove websites from this zone. All websites in this zone will use the zone's security settings. Add this website to the zone:
Enable Protected Mode (requires restarting Internet Explorer)	Websites:
Custom level Default level	http://portal.ramlan.ca Remove
Reset all zones to default level OK Cancel Apply	Require server verification (https:) for all sites in this zone

DNS Entry:

🔿 🙍 📷 🗙 🖾 🍳 📑 👔				
			^	
DNS	Name	Туре	Data	Timestamp
DC DC	_msdcs			
Forward Lookup Zones				
> 📑 _msdcs.RAMLAN.CA	_tcp			
RAMLAN.CA msdcs	_udp			
> 🛐 _msdcs > 🦳 sites	udp DomainDnsZones ForestDnsZones			
>	ForestDnsZones			
> idp	SM1	Host (A)	192.168.0.10	28-Dec-2019 1:00:00 PM
> CompainDesZones	WIN7	Host (A)	192.168.0.103	30-Oct-2019 4:00:00 PM
ForestDnsZones	WIN8	Host (A)	192.168.0.105	22-Dec-2019 3:00:00 PM
> Reverse Lookup Zones	WIN10	Host (A)	192.168.0.106	26-Dec-2019 10:00:00 AM
> 🧮 Conditional Forwarders	SM2	Host (A)	192.168.0.11	28-Dec-2019 1:00:00 PM
	TESTV1809	Host (A)	192.168.0.119	26-Dec-2019 5:00:00 AM
	(same as parent folder)	Host (A)	192.168.0.2	24-Dec-2019 8:00:00 PM
	dc	Host (A)	192.168.0.2	static
	TP1	Host (A)	192.168.0.250	13-Dec-2019 11:00:00 AM
	СВ	Host (A)	192.168.0.3	27-Dec-2019 2:00:00 PM
	ОМ	Host (A)	192.168.0.4	21-Dec-2019 12:00:00 PM
	autodiscover	Host (A)	192.168.0.5	static
	EX2019	Host (A)	192.168.0.5	26-Dec-2019 9:00:00 AM
	mail	Host (A)	192.168.0.5	static
	OFFICESERVER	Host (A)	192.168.0.6	13-Nov-2019 8:00:00 PM
	admin	Host (A)	192.168.0.7	static
	dialin	Host (A)	192.168.0.7	static
	lyncdiscoverinternal	Host (A)	192.168.0.7	static
	meet	Host (A)	192.168.0.7	static
	scheduler	Host (A)	192.168.0.7	static
	SFB	Host (A)	192.168.0.7	28-Dec-2019 8:00:00 AM
	sip	Host (A)	192.168.0.7	static
	DPM	Host (A)	192.168.0.8	25-Dec-2019 1:00:00 PM
		Host (A)	192.168.0.9	26-Dec-2019 9:00:00 AM
	(same as parent folder)	Start of Authority (SOA)	[29537], dc.ramlan.ca., hostmaster.raml	static
	(same as parent folder)	Name Server (NS)	dc.ramlan.ca.	static
	portal	Alias (CNAME)	SM1.RAMLAN.CA.	static

Service Manager Datawarehouse Management Server Pre Req:

Created these two accounts first.

Service Manager – Reporting Service Account – SMRS Service Manager – Analysis Service Account – SMAS

Add these two accounts to local administrator group. Add these two accounts to SMAdmin Group as well.

We already installed these pre req.

- .NET Framework 3.5
- SQL Server 2014 Analysis Management Objects
- SQL Server 2012 Native Client

SQL 2017:

SM2 > DVD Drive (D:) SqlSetup_x64_ENU >

Name		Date modified	Туре	Size			
1033 ENU LP		23-Aug-2017 1:55	File folder				
redist		23-Aug-2017 1:55	File folder				
resources		23-Aug-2017 1:55	File folder				
		23-Aug-2017 1:55	File folder				
x64		23-Aug-2017 5:52	File folder				
autorun		04-Aug-2017 10:0	Setup Information	<u>1 KB</u>			
Medialnfo		23-Aug-2017 1:57	XML Document	1 KB			
setup		22-Aug-2017 8:38	Application	107 KB			
setup.exe.config		18-Aug-2017 4:41	CONFIG File	1 KB			
SqlSetupBootstrapper.dll		22-Aug-2017 8:20	Application extens	235 KB			
髋 SQL Server Installation Center				- 0	\times		
Installation Maintenance Tools Resources Advanced Options		An internet connection is required to install SSRS. Install SQL Server Management Tools					
	K	Studio, SQL Server command-line utilit provider, SQL Server Profiler and Databa required to install these tools. Install SQL Server Data Tools Launch a download page that provides SSDT provides Visual Studio integration SQL Database, the SQL Server Database and Integration Services. An internet co	ase Tuning Advisor. An inter a link to install SQL Server D including project system su Engine, Reporting Services,	net connection is Pata Tools (SSDT). Ipport for Azure Analysis Services	•		
	ŧ	New SQL Server failover cluster installat Launch a wizard to install a single-node		ister.			
	¥9î	Add node to a SQL Server failover cluster Launch a wizard to add a node to an ex		er cluster.			
		Upgrade from a previous version of SQL Launch a wizard to upgrade a previous		. Server 2017.			
Microsoft SQL Server 2017	1	New Machine Learning Server (Standalo	one) installation				

📸 SQL Server 2017 Setup	_		\times
Product Key			
Specify the edition of SQL Se	rver 2017 to install.		
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress Complete	Validate this instance of SQL Server 2017 by entering the 25-character key from the Microsoft of authenticity or product packaging. You can also specify a free edition of SQL Server: Develo Evaluation, or Express. Evaluation has the largest set of SQL Server features, as documented in Books Online, and is activated with a 180-day expiration. Developer edition does not have an or has the same set of features found in Evaluation, but is licensed for non-production database development only. To upgrade from one installed edition to another, run the Edition Upgrade O Specify a free edition: Evaluation Evaluation Evaluation	per, SQL Serve expiration applicatio	er
SQL Server 2017 Setup License Terms To install SQL Server 2017, y	< Back Next >	Cancel	×
Product Key			~
License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress Complete	☑ I accept the license terms.	Pply to	
	SQL Server 2017 transmits information about your installation experience, as well as other usa performance data, to Microsoft to help improve the product. To learn more about SQL Server processing and privacy controls, please see the <u>Privacy Statement</u> .		а

髋 SQL Server 2017 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 Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress Complete	Microsoft Update offers security and other important update software, including SQL Server 2017. Updates are delivered u the Microsoft Update website. Use Microsoft Update to check for updates (recommended <u>Microsoft Update FAQ</u> <u>Microsoft Update Privacy Statement</u>	ising Automatic Updates, or you can visit
	< E	Back Next > Cancel
📸 SQL Server 2017 Setup		– 🗆 ×
Install Rules Setup rules identify potential p can continue.	roblems that might occur while running Setup. Failures must be co	prrected before Setup
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress Complete	Operation completed. Passed: 3. Failed 0. Warning 1. Skipped Hide details < View detailed report Rule Image: Provision Active Template Library (ATL) Image: Consistency validation for SQL Server registry keys Image: Computer domain controller Image: Windows Firewall	Re-run Status Passed Passed Passed Warning Back Next > Cancel

🐮 SQL Server 2017 Setup

Feature Selection

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Select the Enterprise features to	install.					
Product Key License Terms	Looking for Reporting S	ervices? <u>Downloa</u>	ad it fror	n the web		
Global Rules	Features:			Feature description	on:	
Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Analysis Services Configuration Feature Configuration Rules	Instance Features Database Engine Serv Select All Database Engine Serv Select All Data Quality Serv Select All Data Quality Services Data Quality Servic	The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Prerequisites for selected features: Already installed: Windows PowerShell 3.0 or higher Microsoft .NET Framework 4.6 Disk Space Requirements Drive C: 1977 MB required, 238195 MB available 				
Ready to Install Installation Progress	Instance root directory:	C:\Program Ei	iler\Mic	rosoft SQL Server		
Complete	-					
	Shared feature directory:		C:\Program Files\Microsoft SQL Server\ C:\Program Files (x86)\Microsoft SQL Server\			
	Shared feature directory (x86	b): C:\Program Fi	iles (x8b)\Microsoft SQL S	erver\	***
SQL Server 2017 Setup Instance Configuration Specify the name and instance		er. Instance ID becor	mes parl	< Back	Next > -	Cancel
Product Key	O Default instance					
License Terms Global Rules	Named instance:	SMDW				
Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection	Instance ID: SQL Server directory:	SMDW C:\Program Files\Mi	crosoft	SOL Server\MSSO	L14.SMDW	
Feature Rules	Analysis Services directory:	C:\Program Files\Mi				
Instance Configuration	Installed instances:					
Server Configuration Database Engine Configuration	Instance Name Insta	nce ID Fea	atures	Editio	n	Version
Analysis Services Configuration Feature Configuration Rules Ready to Install Installation Progress Complete						
				< Back	Next >	Cancel

Server Configuration

Specify the service accounts and collation configuration.

Product Key	Service Accounts Collation				
License Terms			COL C		
Global Rules	Microsoft recommends that you use	e a separate account for each	SQL Server servi	ce.	
Microsoft Update	Service	Account Name	Password	Startup Type	e
Product Updates	SQL Server Agent	RAMLAN\Administrator	•••••	Automatic	\sim
Install Setup Files	SQL Server Database Engine	RAMLAN\Administrator	•••••	Automatic	\sim
Install Rules	SQL Server Analysis Services	RAMLAN\Administrator	•••••	Automatic	\sim
Feature Selection	SQL Full-text Filter Daemon Launc	NT Service\MSSQLFDLa		Manual	
Feature Rules	SQL Server Browser	NT AUTHORITY\LOCAL		Automatic	\sim
Instance Configuration	L		·		
Server Configuration	Grant Perform Volume Maintena	nce Task privilege to SQL Ser	rver Database Eng	gine Service	
Database Engine Configuration	This privilege enables instant file	initialization by avoiding zer	oing of data pag	es. This may lead	ł
Analysis Services Configuration	to information disclosure by allo	wing deleted content to be a	ccessed.		
Feature Configuration Rules	Click here for details				
Ready to Install					
Installation Progress					
Complete					
complete					
		< Bac	:k Next	> Can	cel
🐮 SQL Server 2017 Setup				- 0	×
Server Configuration					
-					
Specify the service accounts and	d collation configuration.				
Product Key	Service Accounts Collation				
License Terms	Service Accounts Conation				
Global Rules	Database Engine:				^
Microsoft Update	Latin1_General_100_CI_AS			Customize	
Product Updates				Customize.	
Install Setup Files	Latin1-General-100, case-insensitive width-insensitive	e, accent-sensitive, kanatype-	-insensitive,		
Install Rules	wider insensitive				
Feature Selection	Analysis Services:				
Feature Rules	Latin1_General_100_CI_AS			Customize	
				custornize	<u> </u>
Instance Configuration	Latin1-General-100, case-insensitive width-insensitive	e, accent-sensitive, kanatype-	-insensitive,		
Server Configuration	widthinsensitive				
Database Engine Configuration	I made a minor mistak	e with the coilation	. It should	be 🛛	
Analysis Services Configuration	SQL_Latin1_General_(P1 CLAS & Latin1	General C	AS.	
Feature Configuration Rules					
Ready to Install	If the coilation are not		-		
Installation Progress	Datawarehouse Serve	r we will have probl	em later. I	will	
Complete	provide screen shot at	the end on how to	change afte	er the	
			entre alle		
	<mark>install.</mark>				
	L				
		< Bac	k Next	> Can	cel

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Database Engine Configuration

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

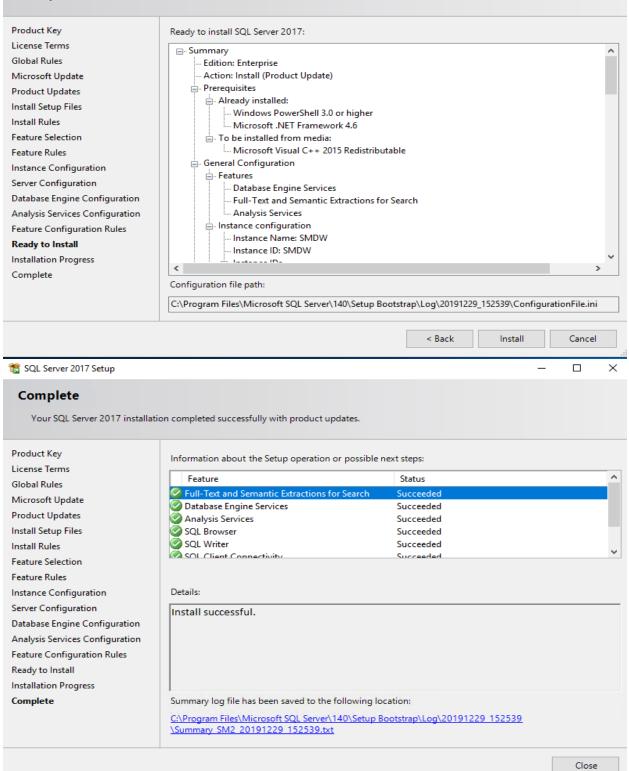
Product Key	Server Configuration	Data Directories TempDB	FILESTREAM		
License Terms					
Global Rules	Specify the authenti	cation mode and administrat	ors for the Database En	gine.	
Microsoft Update	Authentication Mod	e			
Product Updates	Windows authent	ication mode			
Install Setup Files				`	
Install Rules		. Server authentication and V	vindows authentication,)	
Feature Selection	Specify the passwor	d for the SQL Server system a	dministrator (sa) accou	nt.	
Feature Rules	Enter password:				
Instance Configuration					
Server Configuration	Confirm password:				
Database Engine Configuration	Specify SQL Server a	dministrators			
Analysis Services Configuration	RAMLAN\Administ			A SOL Server :	
Feature Configuration Rules	RAMLAN\ram (Ram			Joge Server	administrators ricted access
Ready to Install	RAMLAN\ramlan (R				base Engine.
Installation Progress	RAMLAN\SMAdmir RAMLAN\smsrv (SN				
Complete	RAMLAN\smwf (SN			~	
complete	Add Current User	Add Remove			
	Add Current Oser	Add Kemove			
			< Back	Next >	Cancel
			< DOCK	NEXT >	Cancer
髋 SQL Server 2017 Setup				_	
Analysis Services Conf Specify Analysis Services server	-	nd data directories.			
Product Key	Server Configuration				
License Terms	Server configuration	Data Directories			
Global Rules	Server Mode:				
Microsoft Update	Multidimensiona	l and Data Mining Mode			
	O Tabular Mode				
Product Updates	O PowerPivot Mod	e			
Install Setup Files Install Rules	Specify which users	have administrative permissio	ons for Analysis Services		
Feature Selection		· · · · · · · · · · · · · · · · · · ·			
	RAMLAN\Administ RAMLAN\ram (Ram			Analysis Sen administrate	
Feature Rules	RAMLAN\SMAdmir			unrestricted	
Instance Configuration	SM2\Administrator RAMLAN\smsrv (SN			Analysis Sen	vices.
Server Configuration	RAMLAN\smrs (SM				
Database Engine Configuration	RAMLAN\smas (SM				
Analysis Services Configuration	RAMLAN\smwf (SN	i vvr)			
Feature Configuration Rules					
Ready to Install					
Installation Progress					
Complete					
	Add Current User	Add Remove			
			< Back	Next >	Cancel

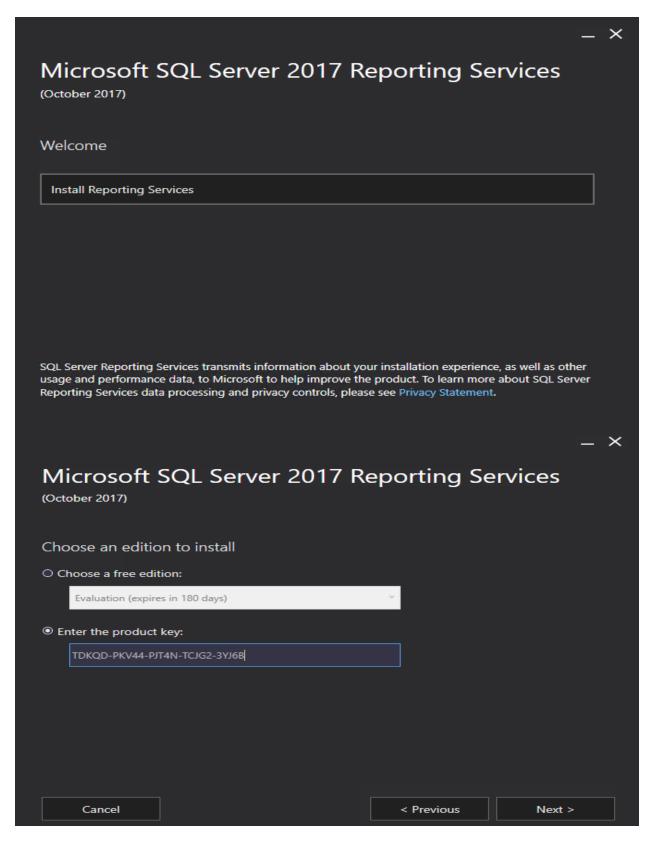
髋 SQL Server 2017 Setup

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Ready to Install

Verify the SQL Server 2017 features to be installed.





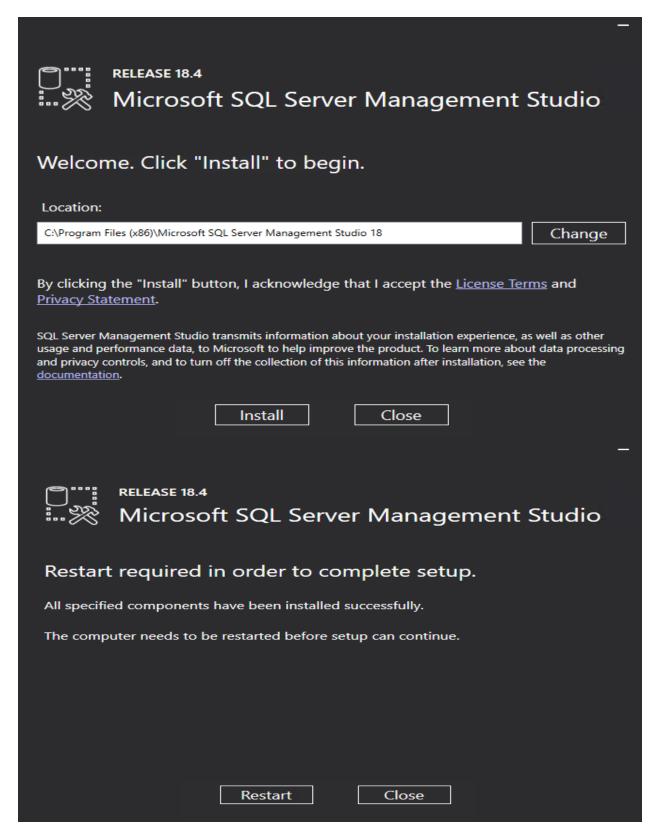
Nucrosoft Sul Sorver JUL P		
Microsoft SQL Server 2017 R	eporting Serv	ices
(October 2017)		
Review the license terms		
MICROSOFT SOFTWARE LICENSE TERMS		~
MICROSOFT SQL SERVER 2017 ENTERPRISE		
These license terms are an agreement between Microsof live, one of its affiliates) and you. Please read them. They which includes the media on which you received it, if any	apply to the software nam	ied above,
• updates,		
 supplements, 		
 Internet-based services, and 		
support services		
for this software, unless other terms accompany those it	ems. If so, those terms app	ly.
✓ I accept the license terms		
Cancel	< Previous	Next >
		_ ×
Microsoft SQL Server 2017 R (October 2017)	eporting Serv	
Install Database Engine		
Install Database Engine		
You'll need an instance of SQL Server Database Engine to	store the report server dat	abase.
Install Reporting Services only		
You'll need to have or install a Database Engine instan		ferent server.
Learn more about supported Database Engine version	s and editions	
Cancel	< Previous	Next >
Cancel	< Previous	Next >
Cancel	< Previous	Next > X
Microsoft SQL Server 2017 R		
Microsoft SQL Server 2017 R		
Microsoft SQL Server 2017 R		
Microsoft SQL Server 2017 R		
Cancel Microsoft SQL Server 2017 R (October 2017) Setup completed We've installed the files you need. Restart the computer a Manager to configure your report server.	eporting Serv	_ ×
Microsoft SQL Server 2017 R (October 2017) Setup completed We've installed the files you need. Restart the computer a	eporting Serv	_ ×
Microsoft SQL Server 2017 R (October 2017) Setup completed We've installed the files you need. Restart the computer a Manager to configure your report server.	eporting Serv	_ ×
Microsoft SQL Server 2017 R (October 2017) Setup completed We've installed the files you need. Restart the computer a Manager to configure your report server.	eporting Serv	_ ×
Microsoft SQL Server 2017 R (October 2017) Setup completed We've installed the files you need. Restart the computer a Manager to configure your report server.	eporting Serv	_ ×

Restart

Configure report server

Close

SQL 2017 Management Studio:



Service Manager Datawarehouse:

> SM2 > OS (C:) > Temp > System Center Service Manager 2019 >

lame	Date modified	Туре	Size
Prerequisites	29-Dec-2019 4:54	File folder	
Setup	<u>29-Dec-2019 4:54</u>	File folder	
Tools	<u>29-Dec-2019 4:54</u>	File folder	
Setup	<u>28-Jan-2019 11:04</u>	<u>Application</u>	<u>658 K</u>
Manager Setup Wizard			
2 .			Mic
System Center 2019 Service Manager			
Service Manager For a complete installation of Service	rvice Manager, you need both a Service Mana rver. A Service Manager management server o nanagement server.		
Service Manager For a complete installation of Ser data warehouse management se	rver. A Service Manager management server o nanagement server.	annot be installed or	
Service Manager For a complete installation of Sel data warehouse management se computer as a data warehouse n	rver. A Service Manager management server o nanagement server. A	annot be installed or dditional Resources	
Service Manager For a complete installation of Se data warehouse management se computer as a data warehouse n Install	erver A Service Manager management server of nanagement server. A	annot be installed or	
Service Manager For a complete installation of Set data warehouse management se computer as a data warehouse n Install Service Manager management s Service Manager data warehouse	erver A Service Manager management server of A Service Manager management server of A A A A A A A A A A A A A A A A A A	annot be installed or dditional Resources Deployment Guide	n the same
Service Manager For a complete installation of Set data warehouse management se computer as a data warehouse n Install Service Manager management s Service Manager data warehouse Install (Optional)	erver A Service Manager management server of A service Manager management server of A server between the ser	annot be installed or dditional Resources Peployment Guide elease Notes	n the same
Service Manager For a complete installation of Set data warehouse management se computer as a data warehouse n Install Service Manager management s Service Manager data warehouse	erver A Service Manager management server of nanagement server. A erver D e management server R S V	annot be installed or dditional Resources Deployment Guide elease Notes earch Support Article	n the same

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Cancel

Getting started								
Product reg	gistration							
Name:		Administrator						
Organization:		RAMLAN INC						
Product key:								
		Install as an ev	valuation editior	n (180 day trial)				
Privacy statement	for System Cente	er Service Manager						
License terms:								
agr	eement by which tess to the onlin • a volume lin	ur use of this sof ch you (or your c e service from M cense customer e agreement or s	company) acqu licrosoft. For i or service prov	iired the Micro nstance, if you ider, use of th	osoft server soft u are: nis software is s	ware or gai	ned	
		that received th , use of this soft						
	an online s	ervice customer,	use of this so	ftware is subje	ect to the online	subscriptio	n v	
✓ I have read, un	nderstood, and ag	ree with the terms	of the license to	erms.		Pr	rint	
Service Manager Setup Wiz Getting started	zard				< Previous	Next >		Cancel X
Installation I	location							
The recommended	default location	for program files is	displayed.					
Location:	C:\Program File	s\Microsoft Syster	n Center\Service	Manager		Brow	/se	
	Disk space requ	uired: 1 GB						
	Free space: 226	i.9 GB						
	⊘ The disk spa	ace is verified.						
					< Previous	Next >	C	ancel

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quisites	
System check results	
	does not meet optimum system requirements, which may affect performan
Data Warehouse	Expand Al
1 Memory check	There is not enough memory in this computer
	The suggested memory requirement is 8190 MB. This computer has only 4046 MB.
 Microsoft SQL Server 2014 Analysis Management Objects 	Microsoft SQL Server 2014 Analysis Management Objects is installed
1 Processor speed check	The CPU processor does not meet the recommended specifications
	The minimum processor speed recommended is 2500 MHz. This
	computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 4. This
	computer's processor has only 1.
Windows version check	A supported version of Windows is installed
-	ve Microsoft SQL Server 2012 Native Client is installed
Client check Manager Setup Wizard	
Juisites	
System check results	
System check results	pes not meet optimum system requirements, which may affect performance.
System check results	bes not meet optimum system requirements, which may affect performance. The suggested memory requirement is 8190 MB. This computer has only 4046 MB.
System check results	The suggested memory requirement is 8190 MB. This computer has only
System check results Setup can continue but this computer do	The suggested memory requirement is 8190 MB. This computer has only 4046 MB. Microsoft SQL Server 2014 Analysis Management Objects is
System check results Setup can continue but this computer do	The suggested memory requirement is 8190 MB. This computer has only 4046 MB. Microsoft SQL Server 2014 Analysis Management Objects is installed The CPU processor does not meet the recommended specifications The minimum processor speed recommended is 2500 MHz. This
System check results Setup can continue but this computer do	The suggested memory requirement is 8190 MB. This computer has only 4046 MB. Microsoft SQL Server 2014 Analysis Management Objects is installed The CPU processor does not meet the recommended specifications The minimum processor speed recommended is 2500 MHz. This computer's processor speed is 1995 MHz.
System check results Setup can continue but this computer do	The suggested memory requirement is 8190 MB. This computer has only 4046 MB. Microsoft SQL Server 2014 Analysis Management Objects is installed The CPU processor does not meet the recommended specifications The minimum processor speed recommended is 2500 MHz. This
System check results Setup can continue but this computer do	The suggested memory requirement is 8190 MB. This computer has only 4046 MB. Microsoft SQL Server 2014 Analysis Management Objects is installed The CPU processor does not meet the recommended specifications The minimum processor speed recommended is 2500 MHz. This computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 4. This
System check results Setup can continue but this computer do Microsoft SQL Server 2014 Analysis Management Objects Processor speed check	The suggested memory requirement is 8190 MB. This computer has only 4046 MB. Microsoft SQL Server 2014 Analysis Management Objects is installed The CPU processor does not meet the recommended specifications The minimum processor speed recommended is 2500 MHz. This computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 4. This computer's processor has only 1.
System check results Setup can continue but this computer do Microsoft SQL Server 2014 Analysis Management Objects Processor speed check Windows version check Microsoft SQL Server 2012 Native	The suggested memory requirement is 8190 MB. This computer has only 4046 MB. Microsoft SQL Server 2014 Analysis Management Objects is installed The CPU processor does not meet the recommended specifications The minimum processor speed recommended is 2500 MHz. This computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 4. This computer's processor has only 1. A supported version of Windows is installed
System check results Setup can continue but this computer do Microsoft SQL Server 2014 Analysis Management Objects Processor speed check Windows version check Microsoft SQL Server 2012 Native Client check Microsoft .NET 3.5 framework	The suggested memory requirement is 8190 MB. This computer has only 4046 MB. Microsoft SQL Server 2014 Analysis Management Objects is installed The CPU processor does not meet the recommended specifications The minimum processor speed recommended is 2500 MHz. This computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 4. This computer's processor has only 1. A supported version of Windows is installed Microsoft SQL Server 2012 Native Client is installed
System check results Setup can continue but this computer do Microsoft SQL Server 2014 Analysis Management Objects Processor speed check Windows version check Microsoft SQL Server 2012 Native Client check Microsoft .NET 3.5 framework check	The suggested memory requirement is 8190 MB. This computer has only 4046 MB. Microsoft SQL Server 2014 Analysis Management Objects is installed The CPU processor does not meet the recommended specifications The minimum processor speed recommended is 2500 MHz. This computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 4. This computer's processor has only 1. A supported version of Windows is installed Microsoft SQL Server 2012 Native Client is installed
System check results Setup can continue but this computer do Microsoft SQL Server 2014 Analysis Management Objects Processor speed check Windows version check Microsoft SQL Server 2012 Native Client check Microsoft SQL Server 2012 Native client check Microsoft SQL Server 2012 Native client check Microsoft .NET 3.5 framework check	The suggested memory requirement is 8190 MB. This computer has only 4046 MB. Microsoft SQL Server 2014 Analysis Management Objects is installed The CPU processor does not meet the recommended specifications The minimum processor speed recommended is 2500 MHz. This computer's processor speed is 1995 MHz. The minimum number of processor cores recommended is 4. This computer's processor has only 1. A supported version of Windows is installed Microsoft SQL Server 2012 Native Client is installed

Configure the	data warehouse databases
Select a database to ch	hange its default properties.
Staging and Con	nfiguration A database named DWStagingAndConfig will be created on SM2\SMDW.
Repository	A database named DWRepository will be created on SM2\SMDW.
🕑 Data Mart	A database named DWDataMart will be created on SM2\SMDW.
Properties of the Stag	ging and Configuration database:
SQL Server Instance	ce validation is successfull
Server name and Instar	ince name: SQL Server port:
SM2\SMDW	1433
Format: server name\in	nstance name
• Create a new datab	base 🔿 Use an existing database
Database name:	DWStagingAndConfig Size (MB): 2000
Data file folder:	C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DAT Browse
Log file folder:	C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DAT
Manager Setup Wizard	< Previous Next >
Manager Setup Wizard	
uration	
uration Configure the	d
uration Configure the	data warehouse databases hange its default properties.
Configure the Select a database to ch	data warehouse databases hange its default properties.
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Configuration
Configure the data warehouse databases
Configure the data warehouse databases
Select a database to change its default properties.
Staging and Configuration A database named DWStagingAndConfig will be created on SM2\SMDW.
Repository A database named DWRepository will be created on SM2\SMDW.
Data Mart A database named DWDataMart will be created on SM2\SMDW.
Properties of the Data Mart database: SQL Server Instance validation is successfull
Server name and Instance name: SQL Server port:
SM2\SMDW 1433 Format: server name\instance name
Create a new database O Use an existing database
Database name: DWDataMart Size (MB): 2000
Data file folder: C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DAT Browse
Log file folder: C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DAT Browse
We will not create Operations Manager and Configuration Manager data warehouse databases in this scenarion Service Manager Setup Wizard Configuration
Configure additional data warehouse datamarts
Select a database to change its default properties.
OM Data mart A database named OMDWDataMart will be created on .
CM Data mart A database named CMDWDataMart will be created on .
Properties of the OM Data mart database:
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	Configure additional	data warehouse datamarts
	Select a database to change its o	default properties.
	 OM Data mart 	A database named OMDWDataMart will be created on .
	 CM Data mart 	A database named CMDWDataMart will be created on .
	Properties of the CM Data mar Install Database	t database:
	Server name and Instance name:	SQL Server port: 1433
	Format: server name\instance na	
Servio	ce Manager Setup Wizard	< Previous Next > Cancel
onfi	guration	
	C C 11 11	
	Configure the data v	varehouse management group
		vice Manager data warehouse management group. The name could represent your
	Enter a unique name for the Ser	vice Manager data warehouse management group. The name could represent your
	Enter a unique name for the Ser company name, organization na Management group name: DW_LABS Browse for a user or group that	vice Manager data warehouse management group. The name could represent your me, or a physical location. You cannot use the same name as any other management group in Service Manager, including other Data Warehouse
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Configuration		
	(SSRS) server to use for Service Manager reports.	
Report server:	Report server instance:	
3M2	SSRS	
Web service URL:		
http://SM2:80/ReportServer	•	
⊘ The SSRS Web server URL is valid		
	< Previous Next > Can	cel
🐼 Service Manager Setup Wizard		,
Configuration		
Configure the account for	Comico Monoros conicos	
Configure the account for	Service Manager services	
	der the Local System account or under a domain user or service account that has erver. Setup will map the domain account to the appropriate SQL Server roles.	
O Local System account		
Domain account:		
User name:		
Password:		
••••••		
Domain:		
Domain: RAMLAN		
RAMLAN		
RAMLAN	est Credentials I The credentials were accepted.	
RAMLAN		

Service Manager Setup W	izard					;
Configuration						
Configure t	he reporti	ing account				
This account is us	ed to read the d	lata warehouse reporting d	ata sources and generate	reports.		
User name						
smrs						
Password:						
••••••	••					
Domain:						
RAMLAN		-				
		Test Credentials				
		lest credentials	O The credentials w	ere accepted.		
				< Previous	Next >	Cancel
Service Manager Setup W	izard					
Configuration						
Configure A	nalysis Se	ervices for OLAP of	cubes			
		nalytical Processing (OLAP)			ve SQL Server	
Analysis Services i	nstalled in eithe	er the same or different sen	ers than the data wareho	ouse databases.		
Analysis Services	server databa	se information:				
 Create a new d 	atabase	 Use an existing datab 	ase			
		,				
Database server:	SM2		SQL Server instance:	SMDW		•
Database name:	DWASDat	taBase				
Change databa	ase storage dire	ectory:				_
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				< Previous	Next >	Cancel

nfigurat	ion					
6	Course Annalise C					
Co	nfigure Analysis Se	ervices credential				
Conf	igure the account used to co	ommunicate with datamarts.				
	User name:					
	smrs					
	Password:					
	•••••					
	Domain:					
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		Test Conductiols	0.7			
		Test Credentials	 The credentials w 	ere accepted.		
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Installation summary

Review the selections for the parts you are installing. To continue, click Install. To change these selections, click Previous.

Program files location:

C:\Program Files\Microsoft System Center\Service Manager

Management group name: LABS

Service Manager data warehouse administrators group: RAMLAN\SMAdmin

Account for Service Manager services: RAMLAN\smsrv

Reporting server: SM2

SSRS Web Service URL: http://SM2:80/ReportServer

SSRS data source account: RAMLAN\smrs

Installation summary

Review the selections for the parts you are installing. To continue, click Install. To change these selections, click Previous.

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Create staging and configuration database on: SM2\SMDW		^
Staging and configuration database name: DWStagingAndConfig		
Staging and configuration database data file: C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DATA		
Staging and configuration database log file: C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DATA		
Create repository database on: SM2\SMDW		
Repository database name: DWRepository		
Repository database data file: C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DATA		~
🔯 Service Manager Setup Wizard		\times
Configuration		
Installation summary		
Review the selections for the parts you are installing. To continue, click Install. To change these selections, click Previous.		
Repository database name: DWRepository	^	
Repository database data file: C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DATA		
Repository database log file: C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DATA		
Create data mart database on: SM2\SMDW		
Data mart database name: DWDataMart		
Data mart database data file: C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DATA		
Data mart database log file: C:\Program Files\Microsoft SQL Server\MSSQL14.SMDW\MSSQL\DATA	~	
< Previous Install	Cancel	

Setup ca	innot complete	
One or more running Setu	of the following components did not install correctly. Setup has rolled back this install p again.	ation. Correct any problems before
Ø	Initialize	0
\odot	Install files	Deployment Guide
0	Create database	Release Notes
0	Configure registry settings	Search Support Articles
0	Configure server	View System Requirements
3	Install services	Open the Setup Log
	An error occurred while executing a custom action:_CreateSrsFolder_SC This upgrade attempt has failed before permanent modifications were made. Upgrade has successfully rolled back to the original state of the system. Once the correction are made, you can retry upgrade for this role.	
<	>	

The setup did not complete successfully. Still in the process of finding a solution to fix _CreateSrsFolder_SC on the Report Server (SSRS). Will update the document later with the solution.

SPN Entry:

Now we need to find out, if proper SPN entry has been created for this server (SM2). Open command prompt as administrator and run below commands.

SETSPN –I RAMLAN\SMSrv

setspn –A SMSrv/SM2 RAMLAN\SMSrv

setspn –A SMSrv/SM2.RAMLAN.CA RAMLAN\SMSrv

Administrator: Command Prompt
Microsoft Windows [Version 10.0.17763.914] (c) 2018 Microsoft Corporation. All rights reserved.
C:\Users\ADMINISTRATOR.RAMLAN>SETSPN -l RAMLAN\SMSrv Registered ServicePrincipalNames for CN=SM Srv,OU=SM,DC=RAMLAN,DC=CA: SMSrv/SM1.RAMLAN.CA SMSrv/SM1
C:\Users\ADMINISTRATOR.RAMLAN>setspn -A SMSrv/SM2 RAMLAN\SMSrv Checking domain DC=RAMLAN,DC=CA
Registering ServicePrincipalNames for CN=SM Srv,OU=SM,DC=RAMLAN,DC=CA SMSrv/SM2 Updated object
C:\Users\ADMINISTRATOR.RAMLAN>setspn -A SMSrv/SM2.RAMLAN.CA RAMLAN\SMSrv Checking domain DC=RAMLAN,DC=CA
Registering ServicePrincipalNames for CN=SM Srv,OU=SM,DC=RAMLAN,DC=CA SMSrv/SM2.RAMLAN.CA Updated object
C:\Users\ADMINISTRATOR.RAMLAN>SETSPN -1 RAMLAN\SMSrv Registered ServicePrincipalNames for CN=SM Srv,OU=SM,DC=RAMLAN,DC=CA: SMSrv/SM2.RAMLAN.CA SMSrv/SM2 SMSrv/SM1.RAMLAN.CA SMSrv/SM1

With this SCSM 2019 install is complete.

Thanks Ram Lan - 30th Dec 2019