

Installing CommVault Backup and Recovery Solution

In this post, I am going to install Trial version of CommVault B&R on Windows Server 2019 with SQL 2019.

I was able to register/download trial version from here - <https://www.commvault.com/complete-data-protection/backup-and-recovery>

One data backup solution for your entire environment

Wherever your data resides, ensure availability via a single interface with Commvault® Backup & Recovery. Say goodbye to costly data loss scenarios, segregated data silos, missing recovery SLAs and inefficient scaling. Empower your team to do more.

[Get the trial](#)

Operating Systems

Windows

Microsoft Windows Server 2019 Editions

Microsoft Windows Server 2016 Editions

*See [Considerations for Microsoft Windows Server 2016](#) for more information.

Microsoft Windows Server 2012 Editions

*See [Considerations for Microsoft Windows Server 2012, 2012 R2, and Windows 8.x](#) for more information.

Microsoft Windows Server 2012 R2 Editions

For more information, see [Considerations for Microsoft Windows Server 2012, 2012 R2, and Windows 8.x](#).

Database Engine

The Microsoft SQL Server application that is installed on the computer must be dedicated to support the software and cannot be shared by other applications.

Microsoft SQL Server 2019 Enterprise, Standard, and Express Editions

Temp Database Properties

Navigate to the tempdb database (under the **Databases** | **System Databases** node), and access its properties to verify the following:

- The tempdb database has at least 100 MB of disk space. Depending on the components that you decide to install later, additional space may be needed.
- Click the **Files** page to check the autogrowth properties of the database files. The **Enable Autogrowth** option must be selected, and the file growth should be set to 10%.

https://documentation.commvault.com/commvault/v11_sp18/article?p=1724.htm

Created VM on vCenter (VCPD.RAMLAN.CA) with the following. It has 16GB Memory and 2 Hard Disk of 90GB and 290GB which will be used for backup/storage pool later. The CNAME will be CVAULT.

New Virtual Machine

✓ 1 Select a creation type

✓ 2 Select a name and folder

✓ 3 Select a compute resource

✓ 4 Select storage

✓ 5 Select compatibility

✓ 6 Select a guest OS

✓ 7 Customize hardware

8 Ready to complete

Ready to complete

Click Finish to start creation.

Virtual machine name	CVAULT
Folder	AMERICA
Host	192.168.0.75
Datastore	GLOBAL [CISCODATASTORE] more recommendations
Guest OS name	Microsoft Windows Server 2019 (64-bit)
Virtualization Based Security	Disabled
CPUs	4
Memory	16 GB
NICs	1
NIC 1 network	Toronto-Mgmt (vDS-America)
NIC 1 type	VMXNET 3
SCSI controller 1	LSI Logic SAS

New Virtual Machine

✓ 1 Select a creation type

✓ 2 Select a name and folder

✓ 3 Select a compute resource

✓ 4 Select storage

✓ 5 Select compatibility

✓ 6 Select a guest OS

✓ 7 Customize hardware

8 Ready to complete


NICs	1
NIC 1 network	Toronto-Mgmt (vDS-America)
NIC 1 type	VMXNET 3
SCSI controller 1	LSI Logic SAS
Create hard disk 1	New virtual disk
Capacity	90 GB
Datastore	GLOBAL [CISCODATASTORE] more recommendations
Virtual device node	SCSI(0:0)
Mode	Dependent
Create hard disk 2	New virtual disk
Capacity	290 GB
Datastore	GLOBAL [CISCODATASTORE] more recommendations
Virtual device node	SCSI(0:1)
Mode	Dependent

Compatibility: ESXi 7.0 U2 and later (VM version 19)

CANCEL

BACK

FINISH


 Windows Setup

Select the operating system you want to install



Operating system	Architecture	Date modified
Windows Server 2019 Standard	x64	6/6/2021
Windows Server 2019 Standard (Desktop Experience)	x64	6/6/2021
Windows Server 2019 Datacenter	x64	6/6/2021
Windows Server 2019 Datacenter (Desktop Experience)	x64	6/6/2021


Description:
This option installs the full Windows graphical environment, consuming extra drive space. It can be useful if you want to use the Windows desktop or have an app that requires it.


Next


 Windows Setup


Where do you want to install Windows?


	Name	Total size	Free space	Type
	Drive 0 Unallocated Space	90.0 GB	90.0 GB	
	Drive 1 Unallocated Space	290.0 GB	290.0 GB	


 Refresh

 Delete

 Format

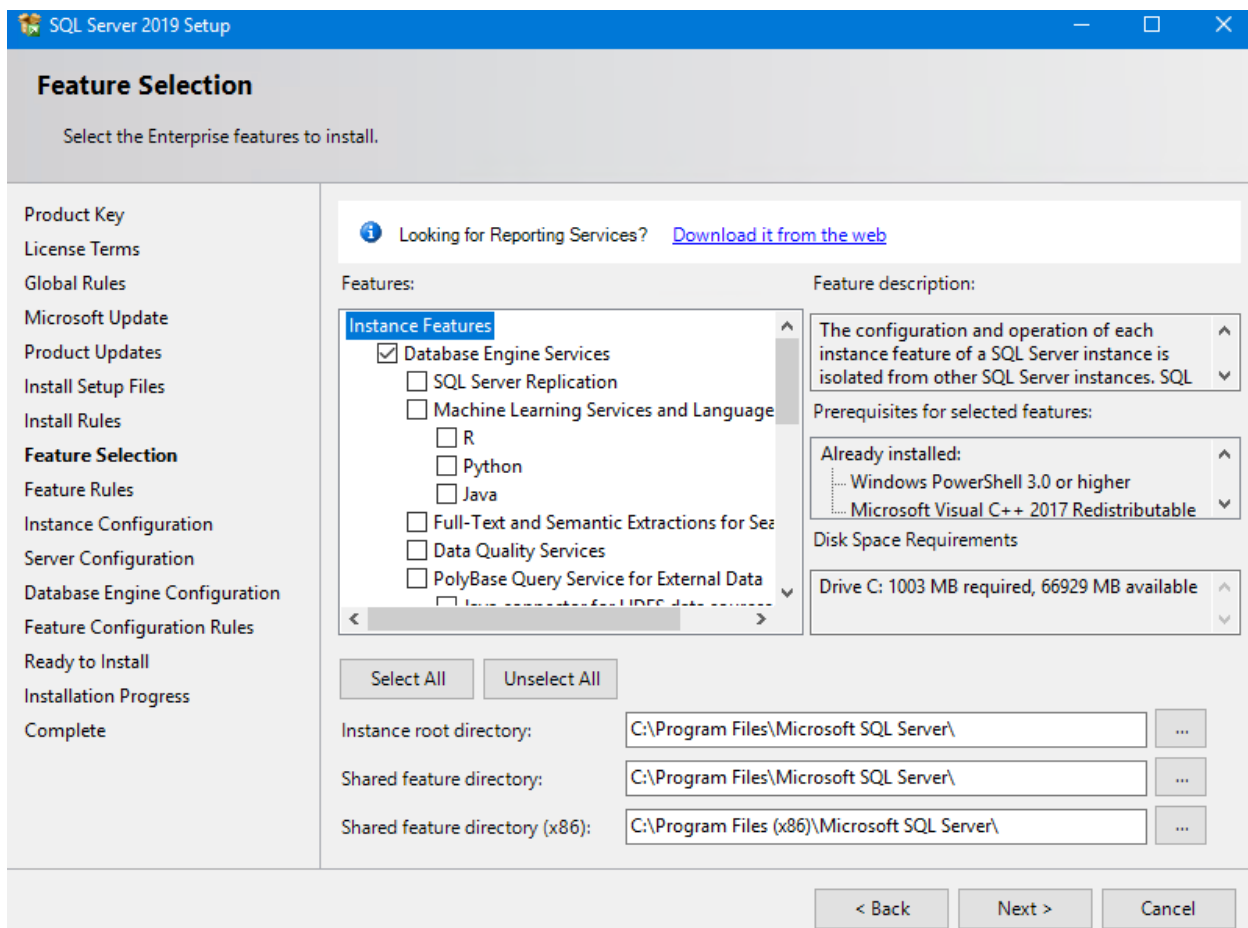
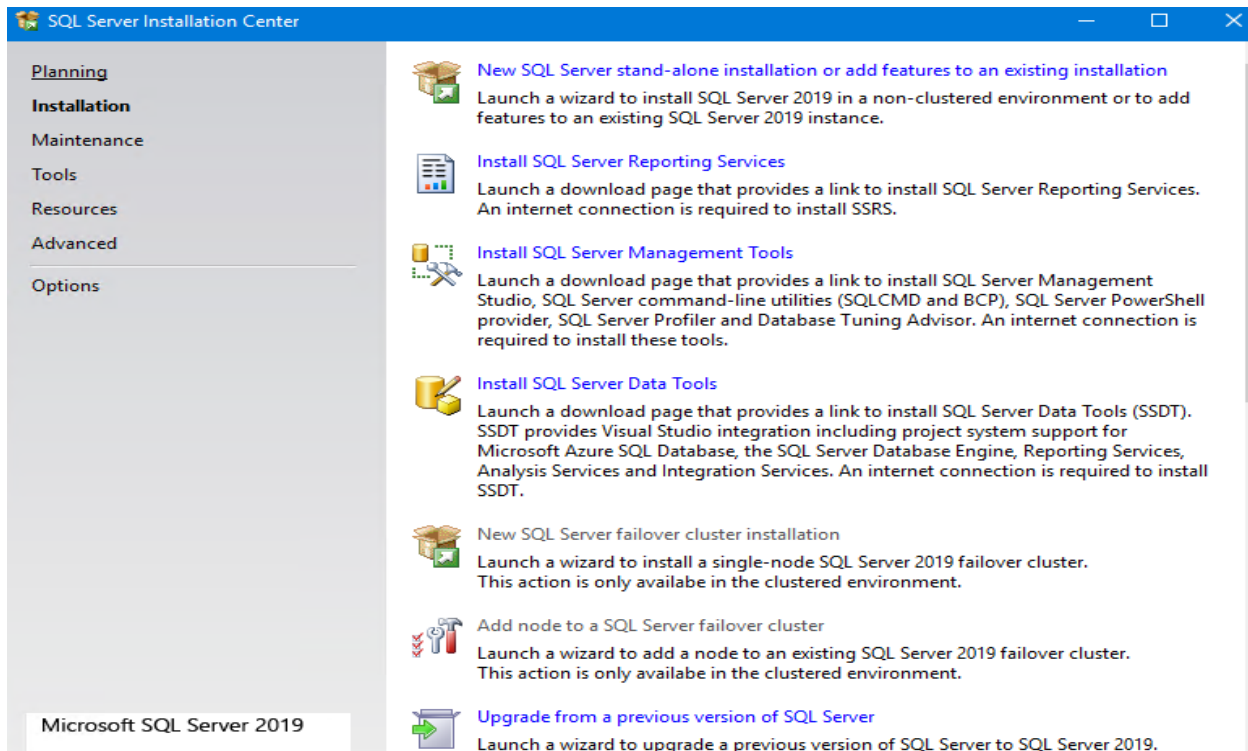
 New

 Load driver

 Extend

Next

Installed all the updates and .NET Frameworks 2 & 3.5. Will proceed with SQL 2019 now.



SQL Server 2019 Setup

Instance Configuration

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

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

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

☐ Default instance

☒ Named instance:

Instance ID:

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL15.COMMVAULT

Installed instances:

Instance Name	Instance ID	Features	Edition	Version
---------------	-------------	----------	---------	---------

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Next >

Cancel

SQL Server 2019 Setup

Server Configuration

Specify the service accounts and collation configuration.

Product Key

License Terms

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Instance Configuration

Server Configuration

Database Engine Configuration

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Service Accounts Collation

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

Service	Account Name	Password	Startup Type
SQL Server Agent	NT AUTHORITY\SYSTEM		Automatic ▾
SQL Server Database Engine	NT AUTHORITY\SYSTEM		Automatic ▾
SQL Server Browser	NT AUTHORITY\LOCAL ...		Automatic ▾

☐ Grant Perform Volume Maintenance Task privilege to SQL Server Database Engine Service

This privilege enables instant file initialization by avoiding zeroing of data pages. This may lead to information disclosure by allowing deleted content to be accessed.

[Click here for details](#)

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Cancel

SQL Server 2019 Setup

Server Configuration

Specify the service accounts and collation configuration.

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

Service AccountsCollation

Database Engine:

SQL_Latin1_General_CP1_CI_AS

Customize...

Latin1-General, case-insensitive, accent-sensitive, kanatype-insensitive, width-insensitive for Unicode Data, SQL Server Sort Order 52 on Code Page 1252 for non-Unicode Data

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Cancel

SQL Server 2019 Setup

Database Engine Configuration

Specify Database Engine authentication security mode, administrators, data directories, TempDB, Max degree of parallelism, Memory limits, and Filestream 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**
- Feature Configuration Rules
- Ready to Install
- Installation Progress
- Complete

Server ConfigurationData DirectoriesTempDBMaxDOPMemoryFILESTREAM

Specify the authentication mode and administrators for the Database Engine.

Authentication Mode

☒ Windows authentication mode

☐ Mixed Mode (SQL Server authentication and Windows authentication)

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

Enter password:

Confirm password:

Specify SQL Server administrators

RAMLAN\Administrator (Administrator)

RAMLAN\ram (Ram)

CVault\Administrator (Administrator)

SQL Server administrators have unrestricted access to the Database Engine.

Add Current User

Add...

Remove

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Cancel

SQL Server 2019 Setup

Database Engine Configuration

Specify Database Engine authentication security mode, administrators, data directories, TempDB, Max degree of parallelism, Memory limits, and Filestream settings.

Product Key

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Feature Rules

Instance Configuration

Server Configuration

Database Engine Configuration

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Server Configuration

Data Directories

TempDB

MaxDOP

Memory

FILESTREAM

TempDB data files: tempdb.mdf, tempdb_mssql_#.ndf

Number of files: 4

Initial size (MB): 8

Total initial size (MB): 32

Autogrowth (MB): 64

Total autogrowth (MB): 256

Data directories: C:\Program Files\Microsoft SQL Server\MSSQL15.COMMVault\

TempDB log file: templog.ldf

Initial size (MB): 8

Autogrowth (MB): 64

Log directory: C:\Program Files\Microsoft SQL Server\MSSQL15.COMMVault\

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Cancel

SQL Server 2019 Setup

Database Engine Configuration

Specify Database Engine authentication security mode, administrators, data directories, TempDB, Max degree of parallelism, Memory limits, and Filestream 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

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Server Configuration

Data Directories

TempDB

MaxDOP

Memory

FILESTREAM

SQL Server can change its memory requirements dynamically based on available system resources. However, in some scenarios you can configure the range of memory (in MB) that is managed by the SQL Server Memory Manager for this instance, by specifying min server memory and/or max server memory.

☐ Recommended

☒ Default

Min Server Memory (MB): 0

0

Max Server Memory (MB): 12800

2147483647

* The displayed recommended values were calculated by Setup based on your system configuration and edition, unless these were explicitly specified in the Setup command line using the /SQLMINMEMORY and /SQLMAXMEMORY parameters.

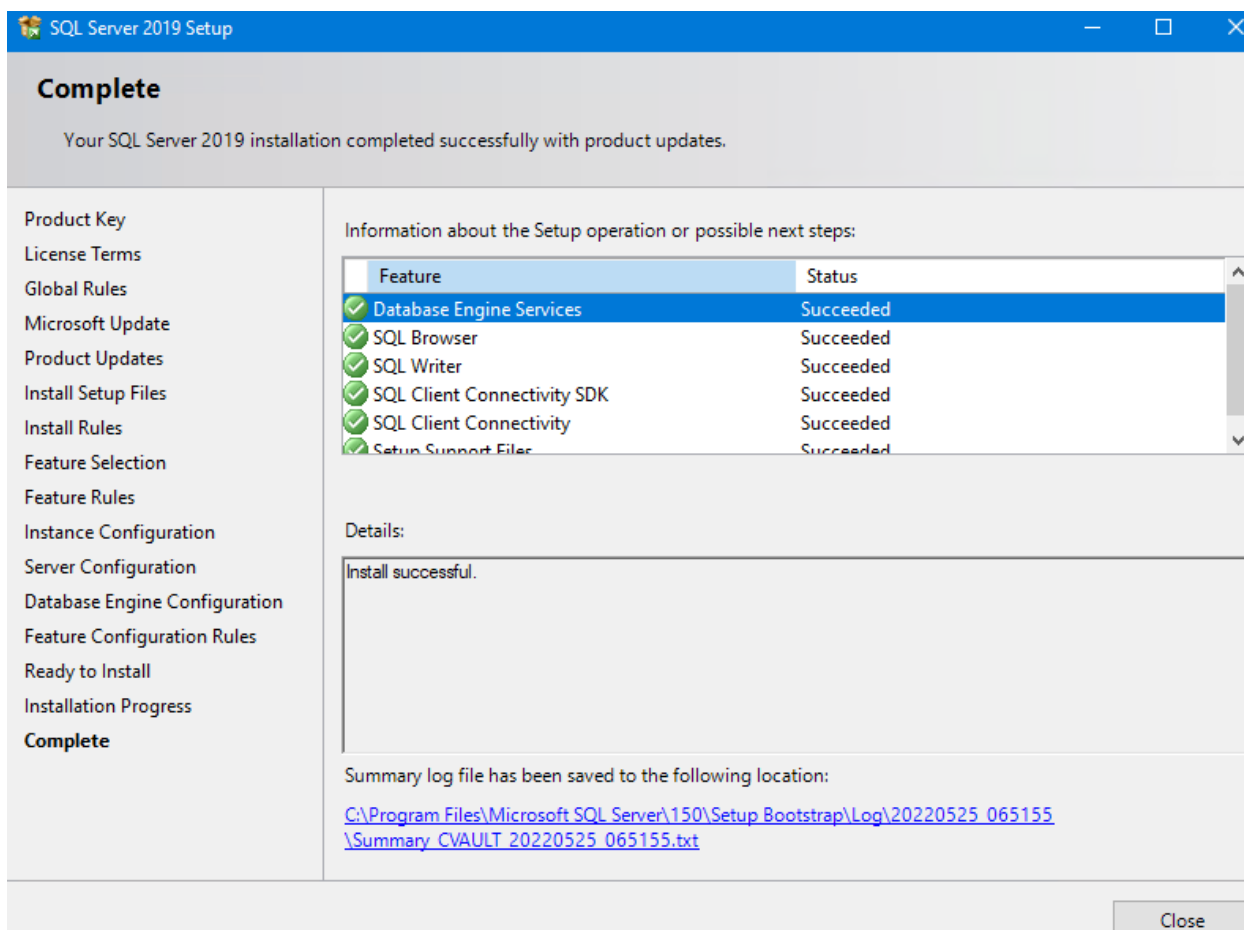
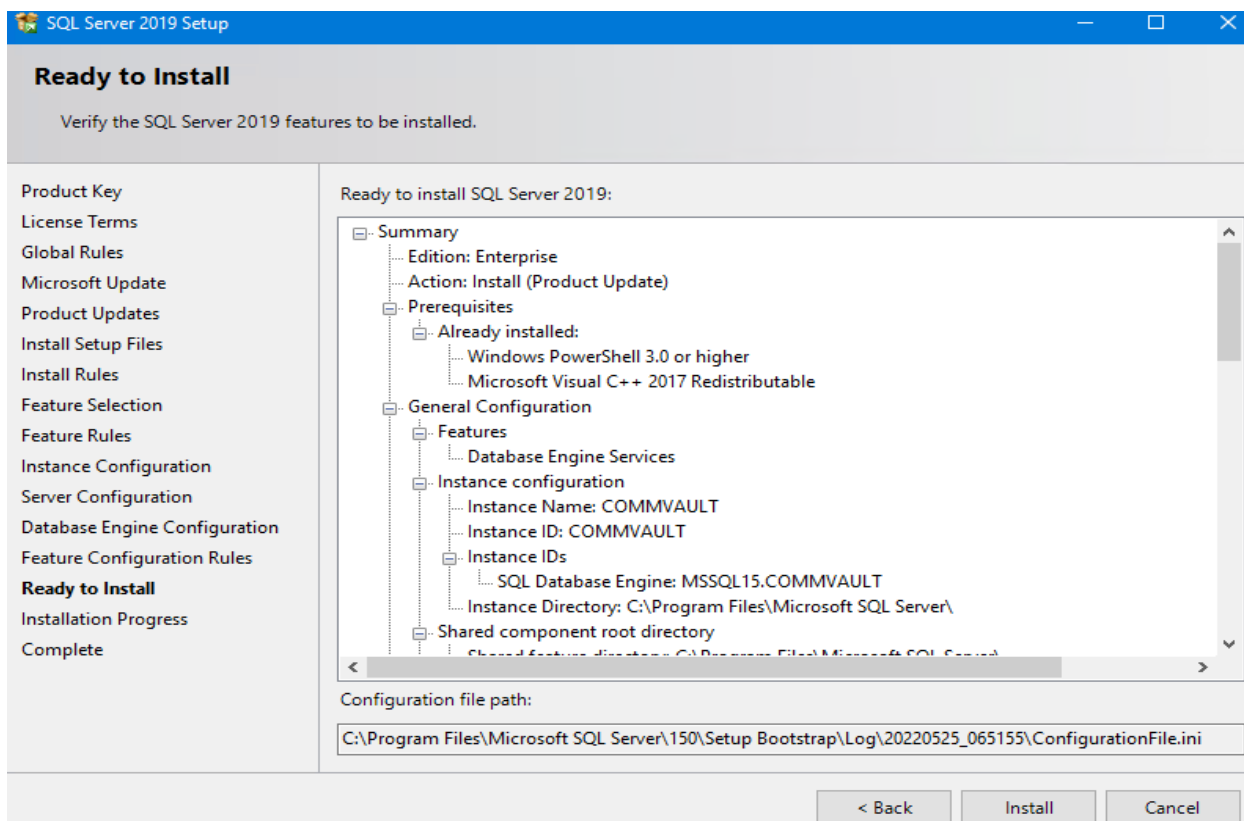
For more information see: [Server Memory Server Configuration Options](#).

☐ Click here to accept the recommended memory configurations for the SQL Server Database Engine

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Cancel





RELEASE 18.11.1

Microsoft SQL Server Management Studio with Azure Data Studio

Welcome. Click "Install" to begin.

Location:

C:\Program Files (x86)\Microsoft SQL Server Management Studio 18

Change

By clicking the "Install" button, I acknowledge that I accept the [Privacy Statement](#) and the License Terms for [SQL Server Management Studio](#) and [Azure Data Studio](#)

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 [documentation](#)

Install

Close

Tune SQL Server Memory Usage:

Server Properties - CVAULT\COMMAVULT

Select a page

- General
- Memory
- Processors
- Security
- Connections
- Database Settings
- Advanced
- Permissions

Script Help

Server memory options

Minimum server memory (in MB):

0

Maximum server memory (in MB):

16000

Temp Database Properties:

Database Properties - tempdb

Select a page

- General
- Files
- Filegroups
- Options
- Change Tracking
- Permissions
- Extended Properties

Script Help

Database name: tempdb

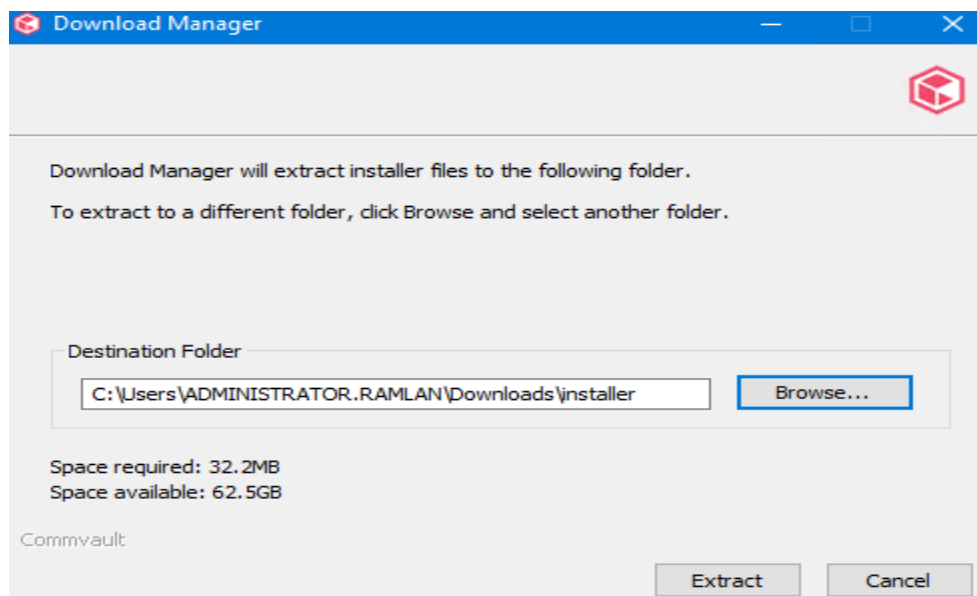
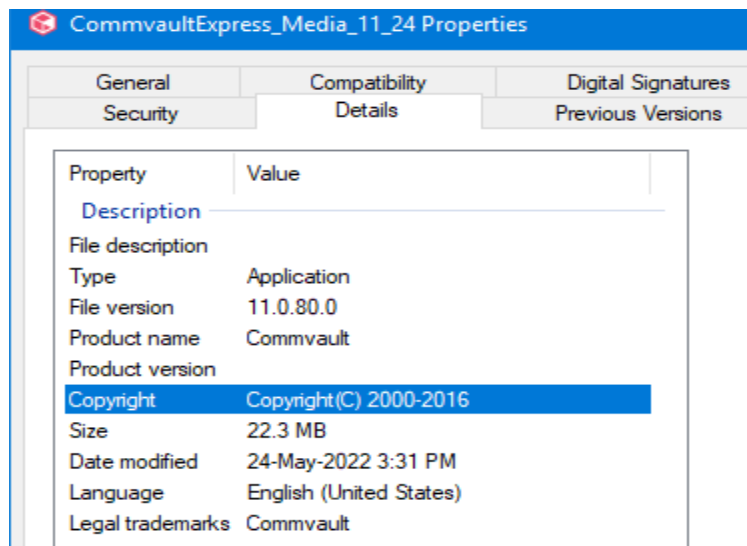
Owner: sa

☒ Use full-text indexing

Database files:

Logical Name	File Type	Filegroup	Size (MB)	Autogrowth / Maxsize
tempdev	ROWS...	PRIMARY	8	By 64 MB, Unlimited
temp2	ROWS...	PRIMARY	8	By 64 MB, Unlimited
temp3	ROWS...	PRIMARY	8	By 64 MB, Unlimited
temp4	ROWS...	PRIMARY	8	By 64 MB, Unlimited
templog	LOG	Not Applicable	8	By 64 MB, Unlimited

Now we are ready to install CommVault B&R v11.0.80.240 Solution. Run the setup.exe




CVAULT > Downloads > installer

Name	Date modified	Type	Size
Common	25-May-2022 7:38 ...	File folder	
ThirdParty	25-May-2022 8:38 ...	File folder	
BinaryInfo	10-Nov-2021 10:2...	XML Document	2,858 KB
BinaryInfo.xml.description	10-Nov-2021 10:2...	DESCRIPTION File	1 KB
Brandlist	20-Apr-2022 9:44 ...	Text Document	1 KB
CRC	08-Nov-2014 11:0...	Application	168 KB
cv7z	01-Jan-2021 1:16 P...	Application	954 KB
Setup	20-Apr-2022 9:29 ...	Application	19,726 KB
version	20-Apr-2022 9:44 ...	Text Document	1 KB
WinPackages	03-Jun-2021 10:46 ...	XML Document	75 KB

Language Selection

Please Choose a Language

English (United States) 



Choose the Installation type



☒ Install packages on this computer

To install packages on this computer, administrator privileges are required.

☐ Download packages to install on a different computer



This is our first CommVault B&R so it will be new CommCell





Install Option



☒ Create a new CommCell

☐ Join an existing CommCell

☐ Advanced selection



Selected AIO roles – This is home lab test environment. In production you will select individual Server Components





Select Roles

☒ All in one

☐ Server components

☐ CommServe failover node

[Learn more about roles](#)



Select Maintenance Release

☒ Latest Maintenance Release

☐ Maintenance Release

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Installation Path

Installation Path

C:\Program Files\Commvault\ContentStore



Drive List

C:\



Space Required / Available

6208 MB / 63852 MB



Index Cache Path

Select the Index Cache folder

C:\Program Files\Commvault\ContentStore\IndexCache



Drive List

C:\



Space Available

63852 MB



Changed the database path to SQL Server path

CommServe Database Installation Path

CommServe Database Path

C:\Program Files\Microsoft SQL Server



Drive List

C:\



Space Available

63826 MB



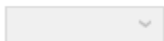
Disaster Recovery Path

- ☒ Use Network Path
☐ Use Local Path

Disaster Recovery Backup Files Path



Drive List



Space Available



Network Share Account

Username

Password



Configure Proxy Service

- ☒ Configure Proxy Service. Internet Information Services (IIS) will be enabled. This is required for Outlook content store recalls



Installation Summary

Installation folder C:\Program Files\Commvault\ContentStore

Selected roles All in one

- Less Information

Selected packages

- Command Center
- CommCell Console
- CommServe
- Exchange
- Index Gateway
- Index Store
- IntelliSnap
- MediaAgent
- Metrics Server
- Office 365
- SharePoint
- Virtual Server
- Web Server
- WorkFlow Engine

Installation Summary

Required packages

- CVCloud DB
- DM2 Web services DB
- File System
- File System Core
- Message Queue
- MongoDB
- Storage Accelerator
- Work Flow Enginge DB

Third party software

- Web_Deploy_30_x64
- SharePointOnlineManagementShell
- VCRedist_2010SP1_x64
- VCRedist_2013_x64
- SQLCLR2012
- SQLCLR2012 Win32
- SMO2012
- IISServerRoles2012
- DotNetCoreWindowsHosting
- Python_X64

Install Prerequisites

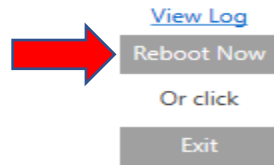
COMMVAULT 



Installing PythonModules ...

Install Status

The machine needs to be restarted before Setup can continue.



```
Install - Notepad
File Edit Format View Help
*****
Machine       : CVAULT
Module        : Install.log
Commserver    :
Product Version : 11.80.240.0
OS Version    : Microsoft Windows NT 6.3.9600.0
Date          : 25-May-2022
*****
5228 8 05/25 08:34:34 ### ### - Machine is running windows OS version 10.0.17763
5228 4 05/25 08:34:34 ### ### - Showing dialog : CleanUpAndStartOverViewModel .....
5228 12 05/25 08:34:34 ### ### - Instance log path: C:\ProgramData\Commvault Systems\Galaxy\LogFiles\2022-05-25 08-34-26
5228 12 05/25 08:34:34 ### ManagedLogger::SetCLRThreadPoolMaxThreads - CLR ThreadPool's max threads is already set by another thread in the process. max
5228 12 05/25 08:34:34 ### ### - Selected packages count is 0. Nothing to clean up.
5228 12 05/25 08:34:34 ### ### - Removed Instance registry section.
5228 12 05/25 08:34:34 ### ### - Removed Installer data section keys.
5228 12 05/25 08:34:34 ### ### - Successfully cleared existing Installer keys.
5228 12 05/25 08:34:34 ### ### - Skip starting services as they don't exist.
5228 4 05/25 08:34:34 ### ### - Showing dialog : LanguageSelectionViewModel .....
5228 4 05/25 08:34:41 ### ### - Application Culture is set to en-US
5228 4 05/25 08:34:41 ### ### - Dialog:[Language Selection], UserAnswer:[English (United States)].
5228 4 05/25 08:34:41 ### ### - Showing dialog : LicenseAgreementViewModel .....
5228 4 05/25 08:34:44 ### ### - Dialog:[License Agreement], UserAnswer:[Agreed].
5228 4 05/25 08:34:44 ### ### - Showing dialog : InstallTypeViewModel .....
5228 4 05/25 08:34:46 ### ### - Dialog:[Choose the Installation type], UserAnswer:[Install on Local Machine].
5228 4 05/25 08:34:46 ### ### - Selected instance: [Instance001].
5228 4 05/25 08:34:46 ### ### - Showing dialog : PackageOptionViewModel .....
5228 4 05/25 08:34:55 ### ### - Showing dialog : RolesSelectionViewModel .....
5228 4 05/25 08:34:59 ### ### - Showing dialog : PackageOptionViewModel .....
5228 4 05/25 08:35:02 ### ### - Showing dialog : RolesSelectionViewModel .....
5228 4 05/25 08:35:13 ### ### - Packages selected by user/input request: [CommServe, WorkFlow Engine, MediaAgent, Index Store, SharePoint , Exchange
5228 4 05/25 08:35:13 ### ### - Required packages included by the installer: [File System Core, Storage Accelerator, File System, DM2 Web services DI
5228 4 05/25 08:35:13 ### ### - Dialog:[Select Roles], UserAnswer:[Roles selected by user: [All in one]].
5228 4 05/25 08:35:13 ### ### - Showing dialog : CUPackageInitializeViewModel .....
Windows (CRLF) Ln 1, Col 1 100%
Install - Notepad
File Edit Format View Help
5228 4 05/25 08:35:13 ### ### - Showing dialog : CUPackageInitializeViewModel .....
5228 12 05/25 08:35:13 ### ### - Downloading [CUConfiguration.xml] to [C:\ProgramData\Commvault Systems\Galaxy\Temp\CUConfiguration.xml]
5228 12 05/25 08:35:13 ### ### - Downloading file: [https://cloud.commvault.com/CVUpdates/11.0.0/BUILD80/SP24/CUConfiguration.xml]
5228 4 05/25 08:35:13 ### ### - Showing dialog : CUPackageSelectViewModel .....
5228 4 05/25 08:35:14 ### ### - Dialog:[Select Maintenance Release], UserAnswer:[Latest Maintenance Release; Maintenance Release Name: [48]].
5228 4 05/25 08:35:14 ### ### - Showing dialog : PreparePrerequisitesViewModel .....
5228 4 05/25 08:35:14 ### ### - Removing VCRedist_2017_win32 as it is not applicable for this OS.
5228 1 05/25 08:35:14 ### ### - Checking if required third-party packages are installed...
5228 1 05/25 08:35:15 ### ### - Installing required third-party packages...
5228 1 05/25 08:35:15 ### ### - Apply prerequisites completed ... Status = 0
5228 1 05/25 08:35:15 ### ### - Third-party package installation completed.
5228 4 05/25 08:35:15 ### ### - Installed SQL Server instance [Commvault] version:[15.0.2000.5].
5228 4 05/25 08:35:15 ### ### - Required SQL edition:[Enterprise].
5228 4 05/25 08:35:15 ### ### - Required SQL Server version:[11.0.5058.0].
5228 4 05/25 08:35:15 ### ### - Required SQL Server version name:[SQL Server 2012 SP2].
5228 4 05/25 08:35:15 ### ### - Fresh install SQL Server version:[11.0.5058.0].
5228 4 05/25 08:35:15 ### ### - no cluster group is available for new install. Skip cluster option screen
5228 4 05/25 08:35:16 ### ### - Showing dialog : CheckPrerequisitesViewModel .....
5228 4 05/25 08:35:16 ### ### - Installed SQL Server instance [Commvault] version:[15.0.2000.5].
5228 4 05/25 08:35:16 ### ### - Required SQL edition:[Enterprise].
5228 4 05/25 08:35:16 ### ### - Required SQL Server version:[11.0.5058.0].
5228 4 05/25 08:35:16 ### ### - Required SQL Server version name:[SQL Server 2012 SP2].
5228 4 05/25 08:35:16 ### ### - Fresh install SQL Server version:[11.0.5058.0].
5228 4 05/25 08:35:16 ### ### - Removing VCRedist_2017_win32 as it is not applicable for this OS.
5228 4 05/25 08:35:16 ### ### - DotNetCore version found in Source DVD 3.1.18
5228 4 05/25 08:35:16 ### ### - Checking if required third-party packages are installed...
5228 1 05/25 08:35:16 ### ### - Selected Third party softwares to install: [Web_Deploy_30_x64, SharePointOnlineManagementShell, VCRedist_2010SP1_x64,
5228 4 05/25 08:35:16 ### ### - Showing dialog : GalaxyHomePathViewModel .....
5228 4 05/25 08:35:20 ### ### - Dialog:[Installation Path], UserAnswer:[C:\Program Files\Commvault\ContentStore].
5228 4 05/25 08:35:20 ### ### - Showing dialog : IndexCachePathViewModel .....
5228 4 05/25 08:35:22 ### ### - Dialog:[Index Cache Path], UserAnswer:[C:\Program Files\Commvault\ContentStore\IndexCache].
5228 4 05/25 08:35:22 ### ### - Message: It is recommended to have at least 200 GB of free space on the selected drive. Do you want to proceed anyway?
Windows (CRLF) Ln 1, Col 1 100%
```

```
Install - Notepad
File Edit Format View Help
5228 4 05/25 08:35:22 ### ### - Message: It is recommended to have at least 200 GB of free space on the selected drive. Do you want to proceed anyway?
5228 4 05/25 08:35:23 ### ### - UserAnswer: Yes
5228 4 05/25 08:35:23 ### ### - Showing dialog : CSDataFilePathViewModel .....
5228 4 05/25 08:36:11 ### ### - Dialog:[CommServe Database Installation Path], UserAnswer:[C:\Program Files\Microsoft SQL Server].
5228 4 05/25 08:36:11 ### ### - Showing dialog : ExpressRecoveryInstallPathViewModel .....
5228 4 05/25 08:36:48 ### ### - Dialog:[Disaster Recovery Path], UserAnswer:[\\dc\MyShare\CV_DR].
5228 4 05/25 08:36:48 ### ### - [\\dc\MyShare\CV_DR] is a network share
5228 4 05/25 08:36:48 ### ### - Showing dialog : NetworkShareAccountInfoViewModel .....
5228 4 05/25 08:37:01 ### ### - Showing dialog : ConfigureProxyServiceViewModel .....
5228 4 05/25 08:37:07 ### ### - Dialog:[Configure Proxy Service], UserAnswer:[Yes].
5228 4 05/25 08:37:07 ### ### - Skipping Web Cache folder path screen as Web Server is selected with Commserve
5228 4 05/25 08:37:07 ### ### - Port number for CVD is set to [8400].
5228 4 05/25 08:37:07 ### ### - Showing dialog : InstallSummaryViewModel .....
5228 4 05/25 08:38:18 ### ### - Log move to C:\Program Files\Commvault\ContentStore\Log Files\Install.log
5228 4 05/25 08:38:18 ### ManagedLogger::SetCLRThreadPoolMaxThreads - CLR ThreadPool's max threads is already set by another thread in the process. max
5228 4 05/25 08:38:18 ### ### - ----- Creating New Instance -----
5228 4 05/25 08:38:18 ### ### - Showing dialog : PreInstallValidationViewModel .....
5228 11 05/25 08:38:18 ### ### - Drive [C:\] Space needed [13.23 GB] Available Space[62.33 GB]
5228 4 05/25 08:38:18 ### ### - Showing dialog : ShutdownViewModel .....
5228 12 05/25 08:38:19 ### ### - Error: Failed to ServiceQuery with error :
5228 12 05/25 08:38:19 ### ### - Sending stop request to Commvault services...
5228 12 05/25 08:38:19 ### ### - Sending stop request to Commvault Base services...
5228 12 05/25 08:38:19 ### ### - Stopped all Commvault services.
5228 12 05/25 08:38:19 ### ### - Killing all running processes from install directory ...
5228 12 05/25 08:38:20 ### ### - Skip stopping CV application pools as IIS is not installed
5228 4 05/25 08:38:24 ### ### - Showing dialog : InstallProgressForPrerequisitesViewModel .....
5228 4 05/25 08:38:24 ### ### - Removing VCRdist_2017_win32 as it is not applicable for this OS.
5228 4 05/25 08:38:24 ### ### - DotNetCore version found in Source DVD 3.1.18
5228 4 05/25 08:38:24 ### ### - DotNetCoreWindowsHosting package is required
5228 1 05/25 08:38:24 ### ### - Checking if required third-party packages are installed...
5228 1 05/25 08:38:24 ### ### - Installing required third-party packages...
5228 21 05/25 08:38:24 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 1 05/25 08:38:25 ### ### - Started install/update of package: Web_Deploy_30_x64...
```

```
Install - Notepad
File Edit Format View Help
5228 21 05/25 08:38:24 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 1 05/25 08:38:25 ### ### - Started install/update of package: Web_Deploy_30_x64...
5228 21 05/25 08:38:25 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:26 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:27 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:28 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:29 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:29 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:30 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:31 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:31 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:31 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:31 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:31 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 21 05/25 08:38:31 ### ### - Download URL:[https://downloadcenter.commvault.com/CVMedia/11.0.0/BUILD80/SP24_3589820_R952/Windows/], NumberOfDownl
5228 1 05/25 08:38:43 ### ### - Completed install/update of package: Web_Deploy_30_x64
5228 1 05/25 08:38:43 ### ### - Started install/update of package: SharePointOnlineManagementShell...
5228 1 05/25 08:38:44 ### ### - Completed install/update of package: SharePointOnlineManagementShell
5228 1 05/25 08:38:44 ### ### - Timeout period 60 mins for package: VCRdist_2010SP1_x64...
5228 1 05/25 08:38:44 ### ### - Started install/update of package: VCRdist_2010SP1_x64...
5228 1 05/25 08:38:53 ### ### - Completed install/update of package: VCRdist_2010SP1_x64
5228 1 05/25 08:38:53 ### ### - Info: Reboot is required by VCRdist_2010SP1_x64
5228 1 05/25 08:38:53 ### ### - Setting reboot and resume required flag.
5228 1 05/25 08:38:53 ### ### - Set application exit code=[RebootAndResumeRequired]
5228 1 05/25 08:38:53 ### ### - Timeout period 10 mins for package: VCRdist_2013_x64...
5228 1 05/25 08:38:53 ### ### - Started install/update of package: VCRdist_2013_x64...
5228 1 05/25 08:38:56 ### ### - Completed install/update of package: VCRdist_2013_x64
5228 1 05/25 08:38:56 ### ### - Started install/update of package: SQLCLR2012...
5228 1 05/25 08:38:57 ### ### - Completed install/update of package: SQLCLR2012
5228 1 05/25 08:38:57 ### ### - Started install/update of package: SQLCLR2012_Win32...
5228 1 05/25 08:38:58 ### ### - Completed install/update of package: SQLCLR2012_Win32
5228 1 05/25 08:38:58 ### ### - Started install/update of package: SMO2012...
5228 1 05/25 08:39:15 ### ### - Completed install/update of package: SMO2012
5228 1 05/25 08:39:15 ### ### - Started install/update of package: SMO2012_Win32...
5228 1 05/25 08:39:21 ### ### - Completed install/update of package: SMO2012_Win32
5228 1 05/25 08:39:21 ### ### - Timeout period 60 mins for package: IISServerRoles2012...
5228 1 05/25 08:39:21 ### ### - Started install/update of package: IISServerRoles2012...
5228 1 05/25 08:41:13 ### ### - Completed install/update of package: IISServerRoles2012
5228 1 05/25 08:41:13 ### ### - Timeout period 60 mins for package: DotNetCoreWindowsHosting...
5228 1 05/25 08:41:13 ### ### - Started install/update of package: DotNetCoreWindowsHosting...
5228 1 05/25 08:41:22 ### ### - Completed install/update of package: DotNetCoreWindowsHosting
5228 1 05/25 08:41:22 ### ### - Timeout period 60 mins for package: Python27_X64...
5228 1 05/25 08:41:22 ### ### - Started install/update of package: Python27_X64...
5228 1 05/25 08:41:43 ### ### - Completed install/update of package: Python27_X64
5228 1 05/25 08:41:43 ### ### - Timeout period 60 mins for package: PythonModules...
5228 1 05/25 08:41:43 ### ### - Started install/update of package: PythonModules...
5228 1 05/25 08:43:17 ### ### - Completed install/update of package: PythonModules
5228 1 05/25 08:43:17 ### ### - Apply prerequisites completed ... Status = 0
5228 1 05/25 08:43:17 ### ### - Third-party package installation completed.
5228 1 05/25 08:43:17 ### ### - Info: Reboot is required.
5228 1 05/25 08:43:17 ### ### - Set application exit code=[RebootAndResumeRequired]
5228 1 05/25 08:43:17 ### ### - Set application exit code=[RebootAndResumeRequired]
5228 4 05/25 08:43:17 ### ### - Showing dialog : CompletionExitViewModel .....
```

```
Install - Notepad
File Edit Format View Help
5228 1 05/25 08:38:53 ### ### - Setting reboot and resume required flag.
5228 1 05/25 08:38:53 ### ### - Set application exit code=[RebootAndResumeRequired]
5228 1 05/25 08:38:53 ### ### - Timeout period 10 mins for package: VCRdist_2013_x64...
5228 1 05/25 08:38:53 ### ### - Started install/update of package: VCRdist_2013_x64...
5228 1 05/25 08:38:56 ### ### - Completed install/update of package: VCRdist_2013_x64
5228 1 05/25 08:38:56 ### ### - Started install/update of package: SQLCLR2012...
5228 1 05/25 08:38:57 ### ### - Completed install/update of package: SQLCLR2012
5228 1 05/25 08:38:57 ### ### - Started install/update of package: SQLCLR2012_Win32...
5228 1 05/25 08:38:58 ### ### - Completed install/update of package: SQLCLR2012_Win32
5228 1 05/25 08:38:58 ### ### - Started install/update of package: SMO2012...
5228 1 05/25 08:39:15 ### ### - Completed install/update of package: SMO2012
5228 1 05/25 08:39:15 ### ### - Started install/update of package: SMO2012_Win32...
5228 1 05/25 08:39:21 ### ### - Completed install/update of package: SMO2012_Win32
5228 1 05/25 08:39:21 ### ### - Timeout period 60 mins for package: IISServerRoles2012...
5228 1 05/25 08:39:21 ### ### - Started install/update of package: IISServerRoles2012...
5228 1 05/25 08:41:13 ### ### - Completed install/update of package: IISServerRoles2012
5228 1 05/25 08:41:13 ### ### - Timeout period 60 mins for package: DotNetCoreWindowsHosting...
5228 1 05/25 08:41:13 ### ### - Started install/update of package: DotNetCoreWindowsHosting...
5228 1 05/25 08:41:22 ### ### - Completed install/update of package: DotNetCoreWindowsHosting
5228 1 05/25 08:41:22 ### ### - Timeout period 60 mins for package: Python27_X64...
5228 1 05/25 08:41:22 ### ### - Started install/update of package: Python27_X64...
5228 1 05/25 08:41:43 ### ### - Completed install/update of package: Python27_X64
5228 1 05/25 08:41:43 ### ### - Timeout period 60 mins for package: PythonModules...
5228 1 05/25 08:41:43 ### ### - Started install/update of package: PythonModules...
5228 1 05/25 08:43:17 ### ### - Completed install/update of package: PythonModules
5228 1 05/25 08:43:17 ### ### - Apply prerequisites completed ... Status = 0
5228 1 05/25 08:43:17 ### ### - Third-party package installation completed.
5228 1 05/25 08:43:17 ### ### - Info: Reboot is required.
5228 1 05/25 08:43:17 ### ### - Set application exit code=[RebootAndResumeRequired]
5228 1 05/25 08:43:17 ### ### - Set application exit code=[RebootAndResumeRequired]
5228 4 05/25 08:43:17 ### ### - Showing dialog : CompletionExitViewModel .....
```

Welcome to Commvault setup

Unfinished installation detected

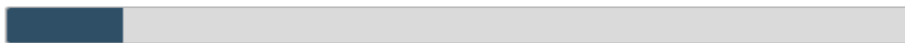
- ☒ Resume install
- ☐ Clean up unfinished installation and start over



Now you can see it is installing all the AIO roles we selected before.

Installation Progress

COMMVAULT 



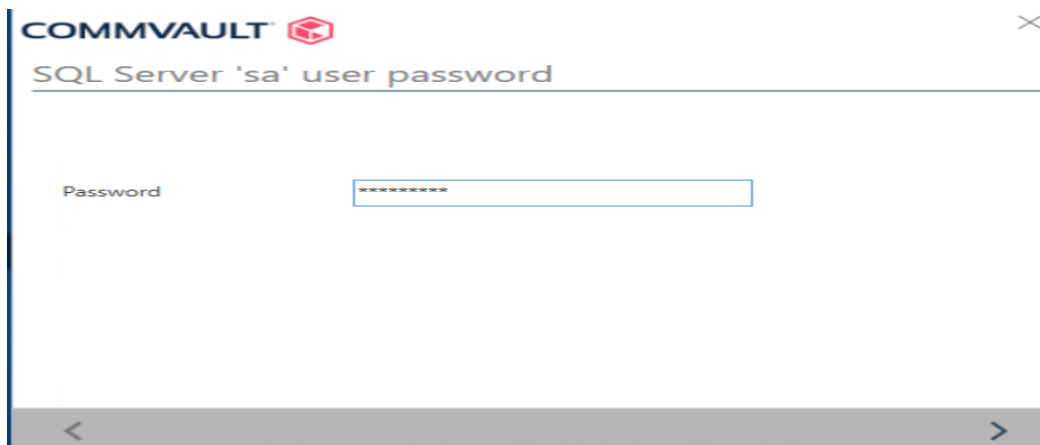
Downloading MediaAgent ...
Installing WorkFlow Engine ...

Installation Progress

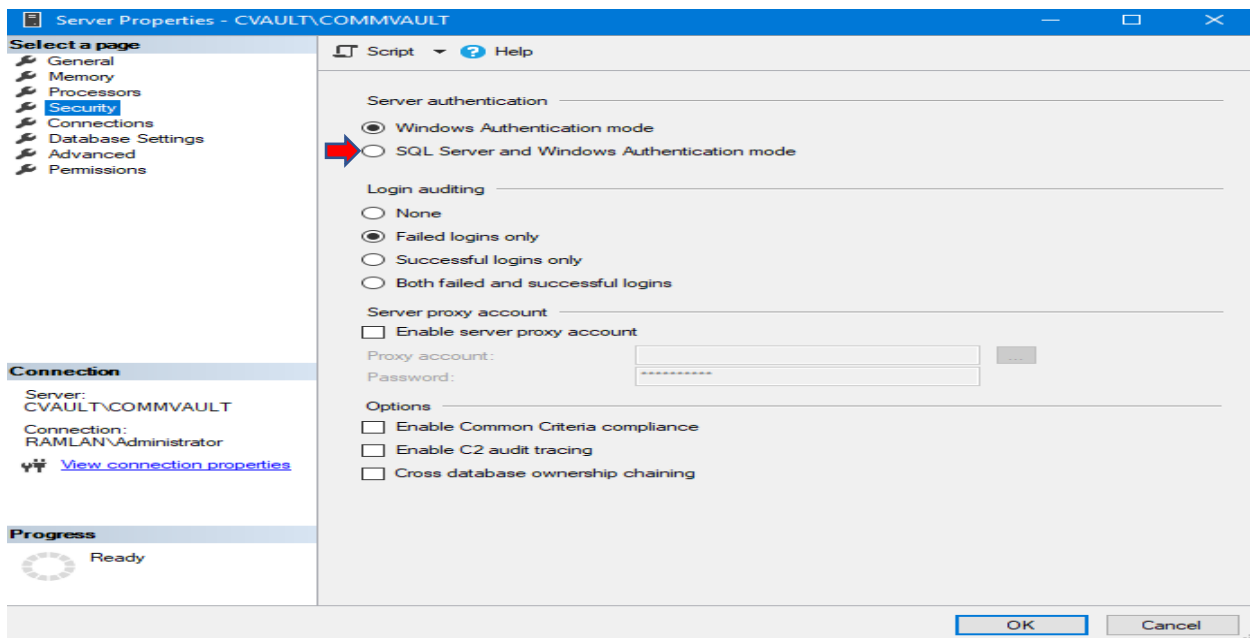
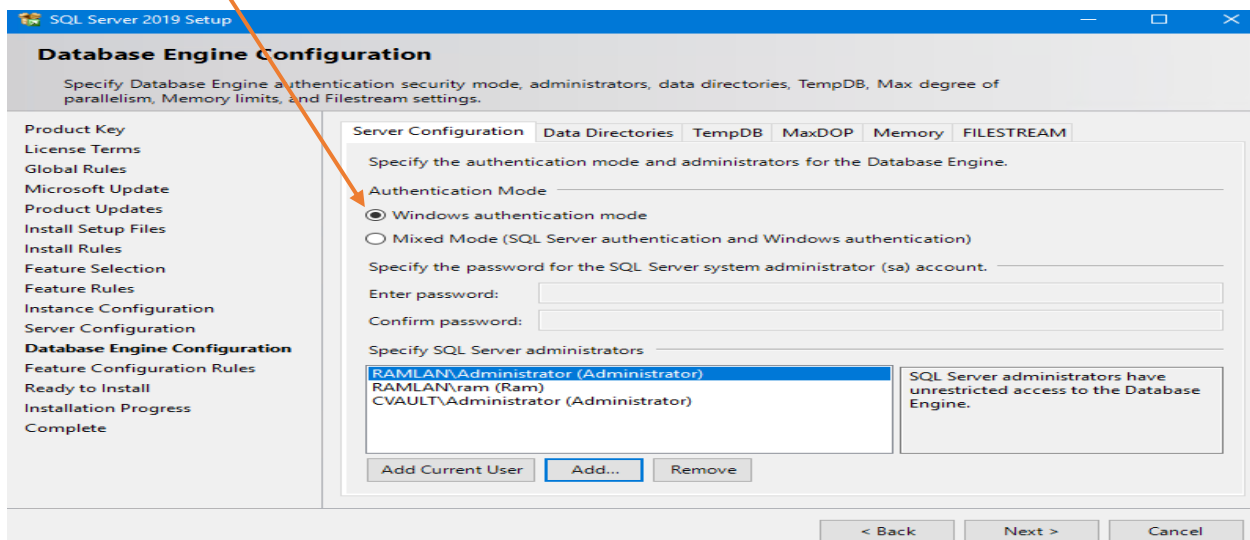
COMMVAULT 

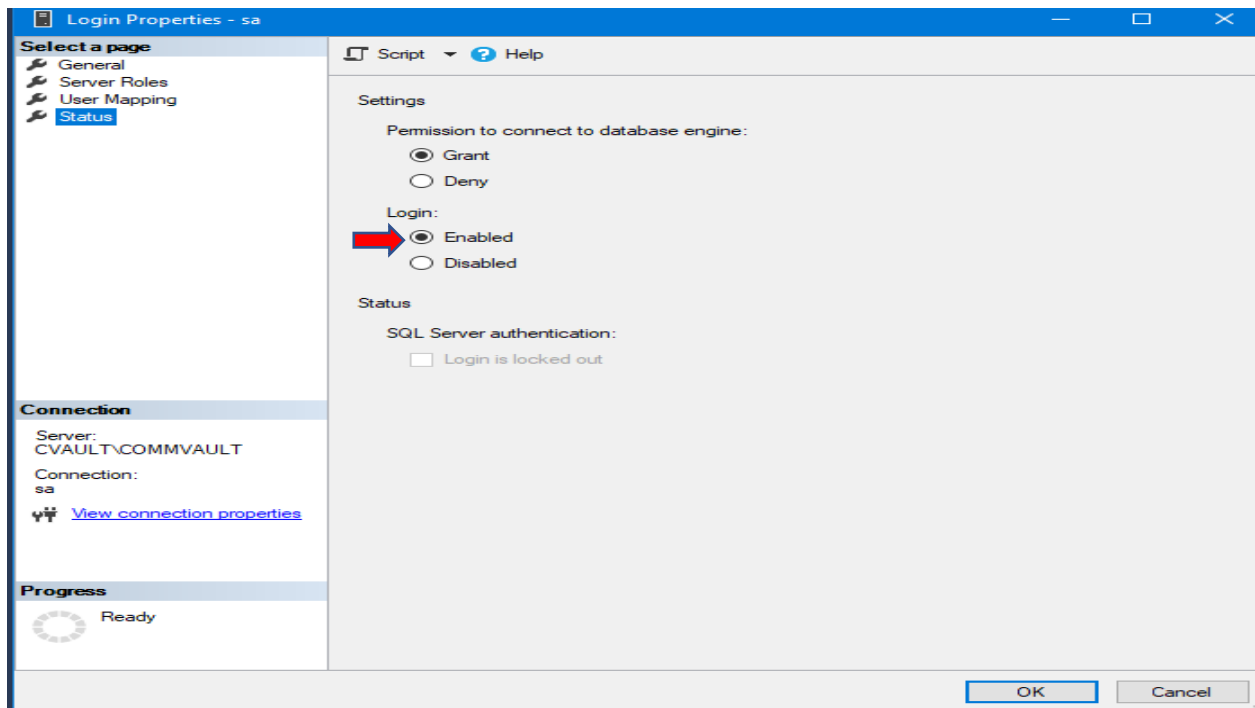
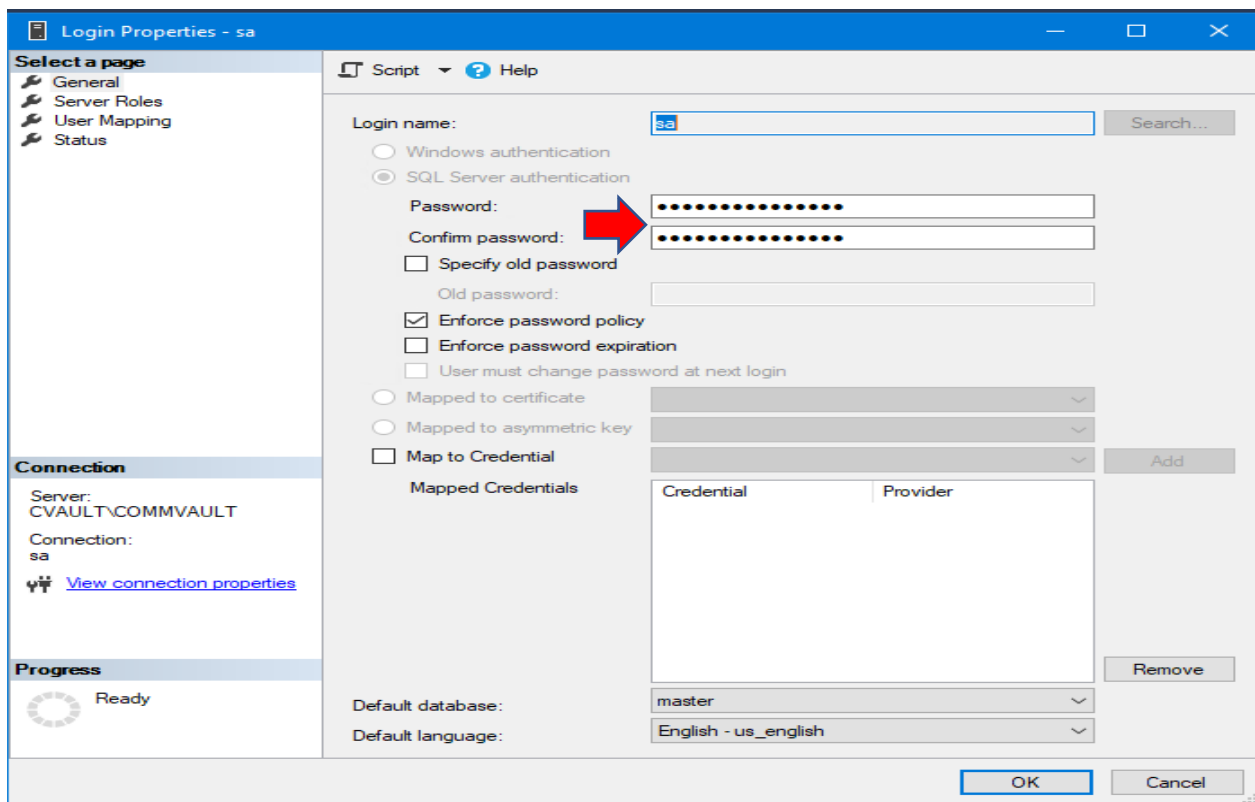
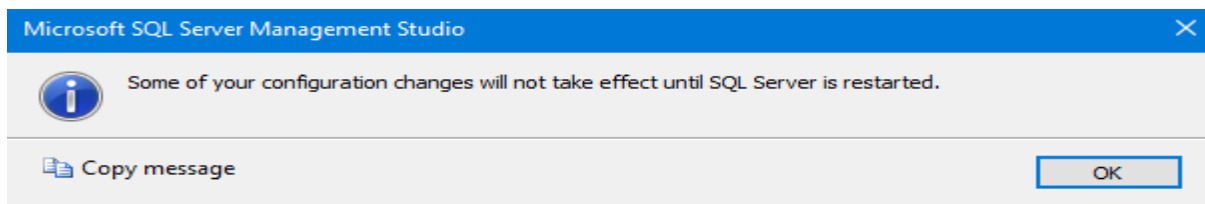


Downloading Maintenance Release ...





I made a mistake during SQL Install. I used Windows Authentication. So, I had to do below task for Mixed Authentication and enabled SA account.









Restarted SQL Services and then continued with SA password



SQL Server 'sa' user password

Password






Client Computer Information

Client Name


kvault



Select an interface name that the server will use to communicate with this computer

Host Name

CVAULT.RAMLAN.CA

IP Address(es) for the selected host.







Database Install Option

☒ Create New Database

☐ Use Existing Database



Installation and configuration completed successfully.

Command Center URL:

<https://CVAULT.RAMLAN.CA/adminconsole>


Metrics Reporting URL:

<https://CVAULT.RAMLAN.CA/>


Finish

Open above adminconsole URL


← → ↻ ⚠ Not secure | <https://cvault.ramlan.ca/adminconsole/login/registerProduct.jsp>

COMMVAULT 
Command Center

Create new account

Email address	<input type="text" value="ramlan@infotechram.com"/>
New password	<input type="password" value="....."/>
Confirm password	<input type="password" value="....."/> 

Create account



COMMVAULT[®] Command Center[™]

Continue



COMMVAULT®

Command Center™

☒ Stay Logged In[Forgot password?](#)

! About



CommServe CVAULT.RAMLAN.CA

Version 11.24.48

About Commvault Express



COMMVAULT®



CommServe Version: 11.24.48

CommCell ID: ffffffff


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Below is License details. I am running Trial version.

License


License details

CommCell ID	ffffff
CommServe IP Address	192.168.0.24
License IP Address	255.255.255.255
Edition	Commvault
License Mode	 EVALUATION Apply license
Serial Number	9C35-4FD3-8DCA-43BF-AC9244
Registration Code	627-0F2-E7B7
License expiry date	Oct 22, 2022

License expires on Oct 22, 2022

Usage

[Click here to view the License summary report.](#)


 Provides details of purchased and used licenses.

Now will configure Storage Pool and create backup plan

COMMVAULT

Welcome, admin

Complete the initial application setup in just 2 simple step(s), or [skip it](#)

☐ Add a storage pool 

☐ Create server backup plan

[Let's get started >](#)

[Need some help?](#)

Protect Activate Disaster recovery Services

File server

Backup and recover file servers like Microsoft Windows, Unix, or NAS machines.

[Need more information?](#)

Virtualization

Backup and recover virtual machines.

[Need more information?](#)

Laptop

Backup and recover laptop and desktop computers.

[Need more information?](#)

Databases


Office 365


Exchange


Quick tasks


- Configure email
Change the settings for sending emails from the system
- Customize the theme
Change the colors and appearance of the Command Center interface
- Create a server backup plan
Define your backups, storage, and schedule with plans
- Create a company
In a multi-tenant environment, define separate organizations with companies

Add storage

 **Disk**

 Metallic

 Cloud

 HyperScale

Name

MediaAgent

Type

Backup location

☒ Use deduplication

Deduplication DB location

Disk Storage

cvault

☒ Local ☐ Network

E:

C:\IT

[Equivalent API](#) [Save](#)

Create server backup plan

Create a plan to define what should be backed up and how often to run the backup job

Plan name

EXCHANGE

Backup destinations

Name ↑	Storage	Retention period	
Primary	Disk Storage	1 Week	

RPO ⓘ

Backup frequency

Runs every 1 Week(s) on Friday









Start time 09 : 00 PM


Equivalent API

Save














I will complete the basic configuration for email, theme and backup plan. Rest of the configuration in next blog

Quick tasks

-   **Configure email**
Change the settings for sending emails from the system
-   **Customize the theme**
Change the colors and appearance of the Command Center interface
-   **Create a server backup plan**
Define your backups, storage, and schedule with plans
-  **Create a company**
In a multi-tenant environment, define separate organizations with companies
-  **Download/copy software**
Run a job to download service packs and hotfixes for your system



Filter navigation...

-  **Guided setup**
-  **Dashboard**
-  **Protect**
-  **Activate**
-  **Disaster recovery**
-  **Jobs**
-  **Reports**
-  **Monitoring**
-  **Storage**
-  **Manage**
-  **Developer tools**
-  **Workflows**
-  **Web console**

Configure email ?

Email sent successfully

SMTP server mail.infotechram.com

SMTP port 25


Sender email ramlan@infotechram.com

Sender name ramlan@infotechram.com

Encryption algorithm None

Use authentication ☐

Test Mail.

 **ramlan@infotechram.com**
To: Ram Lan

This email was sent automatically by ContentStoreExpress while testing the settings of your account.


 **RL Logo.jpg**

Image requirements: 100 x 50 pixels in JPG, JPEG, PNG or GIF format. No larger than 50 KB.



☒ Use the same logo on the login page

Login page ?

Background

 **Select file**

Image requirements: 1600 x 900 pixels in JPG, JPEG, PNG or GIF format. No larger than 750 KB.

Warning login banner ?

WELCOME TO INFOTECHRAM INC

With this I have completed the installation and basic configuration of CommVault B&R Solution.

Thanks

Ram
25th May 2022