

# Installing Veritas NetBackup v9.1 on Windows Server 2022

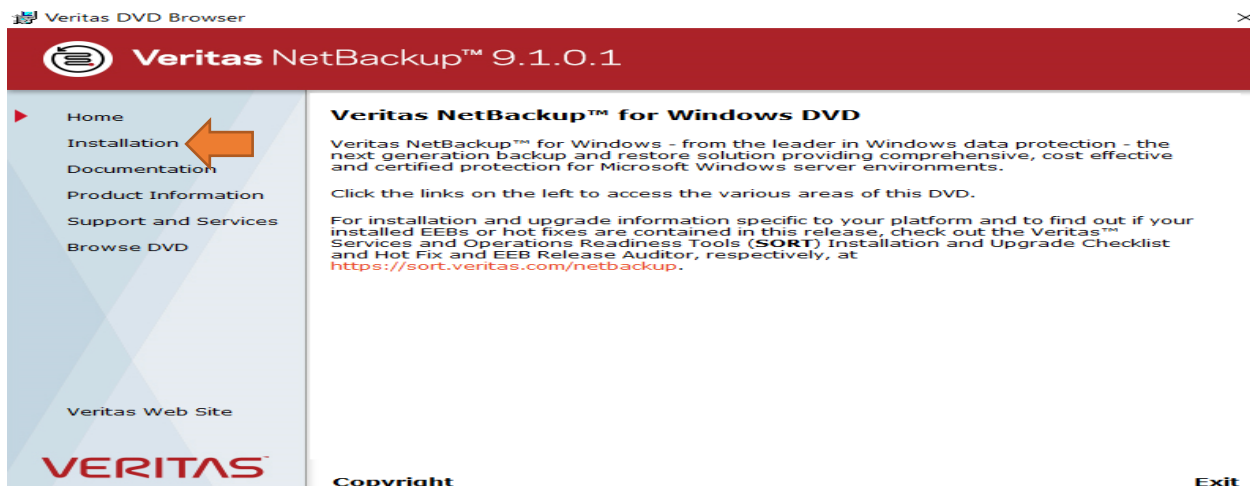
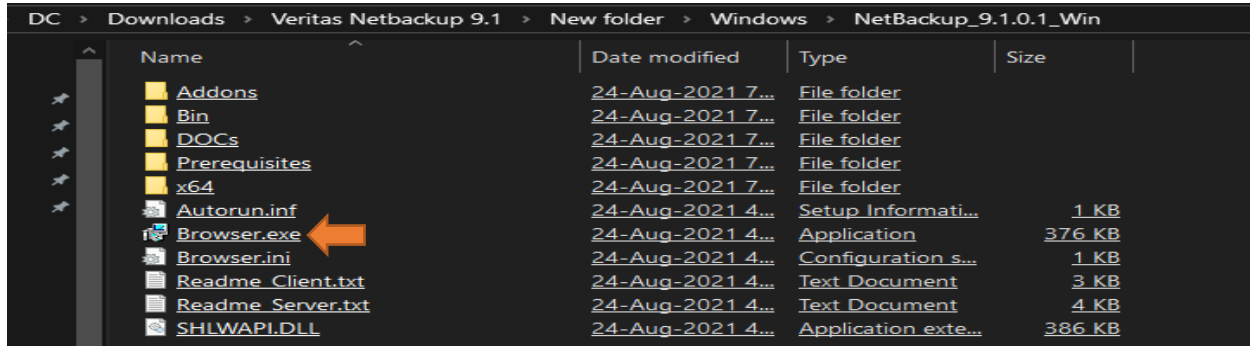
In this post, I am going to install Veritas NetBackup on Windows Server 2022 for testing and learning purpose. I was able to download software from the internet.

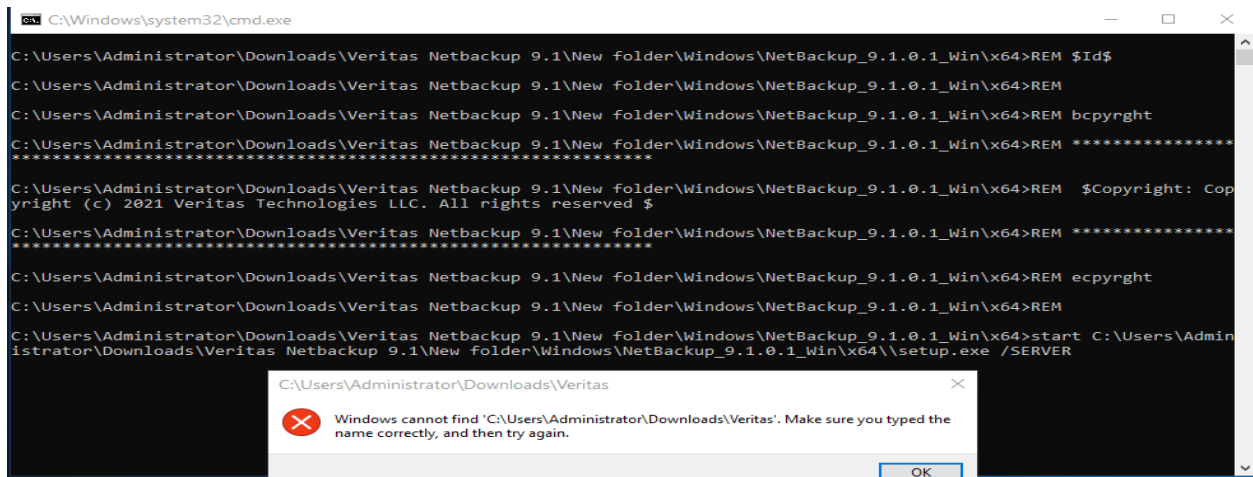
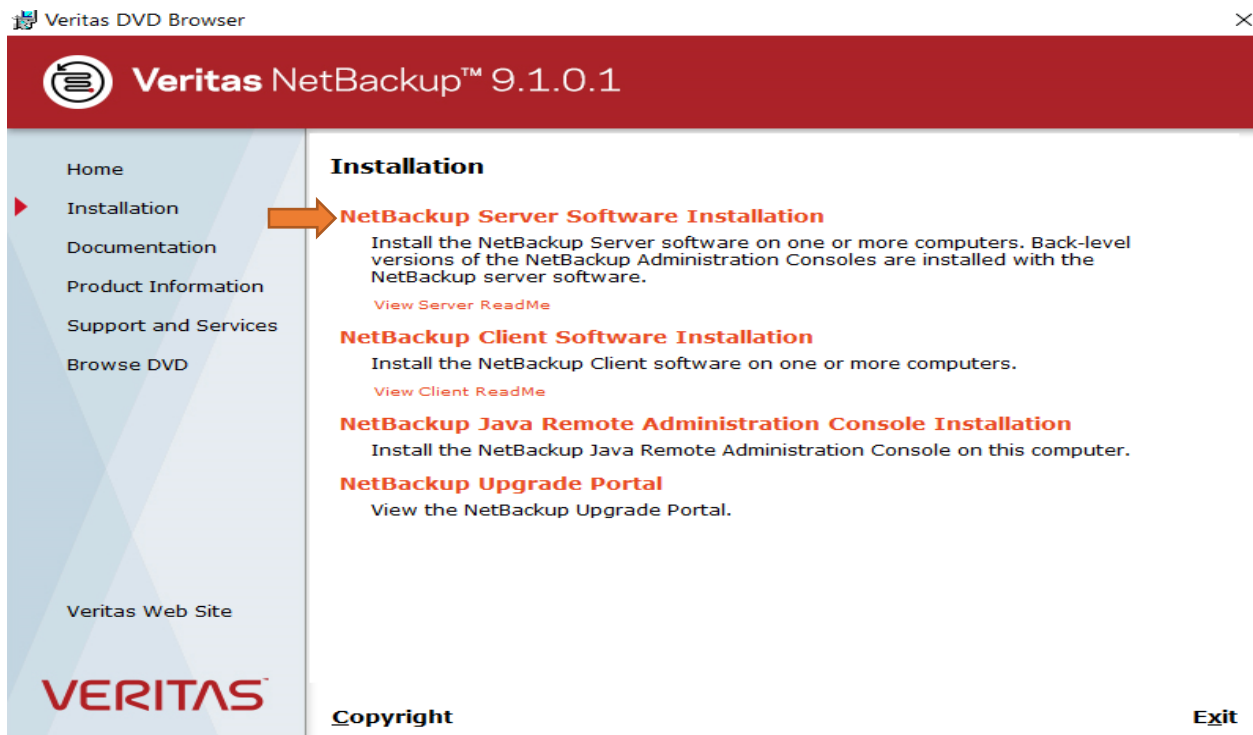
Backup Exec and NetBackup should not be installed to the same host. These products have not been designed to coexist, and severe system issues occur when they are installed on the same system. You must uninstall the existing product before installing the other.  
Dec. 5, 2017

I am running Veritas Backup Exec v21.1 on Domain Controller. So, installing NetBackup v9.1 on a different Server.

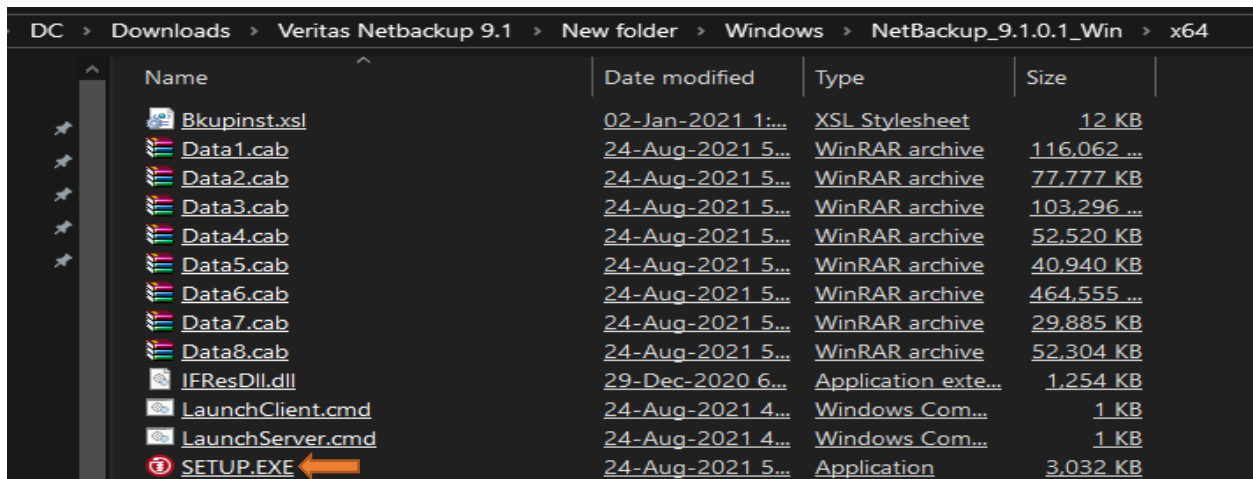


Run Browser.exe as Admin





I was getting above error. So tried running setup.exe from x64 folder directly.



Which product would you like to install?

NetBackup Client

NetBackup Client

NetBackup Server

Veritas NetBackup



User Account Control (UAC) is enabled on this host. Some administrators may not have full installation privileges in UAC-enabled environments. Are you sure you want to proceed?

Yes

No

Veritas NetBackup Server

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### Welcome to Veritas NetBackup Server Setup Wizard.

The Setup Wizard guides you through the installation process.

**NEW REQUIREMENT:** NetBackup requires the installation of a Veritas Usage Insights customer registration key on each Master Server. Visit [Veritas™ NetInsights Console](#) to download the keys and learn more.

This Setup Wizard installs Veritas NetBackup Server based on your configuration selections and provides warnings when configuration issues are found.

You may need some or all of the following information during the install:

- Names of Master Servers, Media Servers, and Clients
- Login credentials for servers and for the web service user, documented at <https://www.veritas.com/docs/000081350>
- NetBackup License Key(s)
- Security configuration settings
- Cluster information, such as virtual name, IP address, subnet mask, and shared disk information
- Master Server Disaster Recovery package location and passphrase

For NetBackup installation and upgrade information specific to your platform and to find out if your installed EEBs or hot fixes are contained in this release, check the Installation and Upgrade checklists and the Hot Fix and EEB Release Auditor, both available on the Veritas™ Services and Operations Readiness Tools (SORT) page:

<https://sort.veritas.com/netbackup>

ATTENTION! To help ensure a successful upgrade to NetBackup 9.1.0.1, please visit the NetBackup 9.x Upgrade Portal:

[https://www.veritas.com/content/support/en\\_US/article.100048493](https://www.veritas.com/content/support/en_US/article.100048493)

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Please read the following agreement carefully. The agreement includes details on the NetBackup Product Improvement Program.

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**Veritas NetBackup Server Installation Type**

Specify how you would like to install Veritas NetBackup Server.

- ☒ Install to this computer only.  
☐ Install to multiple computers on your network.  
☐ Install a clustered Master Server.

If you choose the "Install to multiple computers on your network" option, the wizard prompts you to select from the available computers on your network.

☐ **Typical installation**

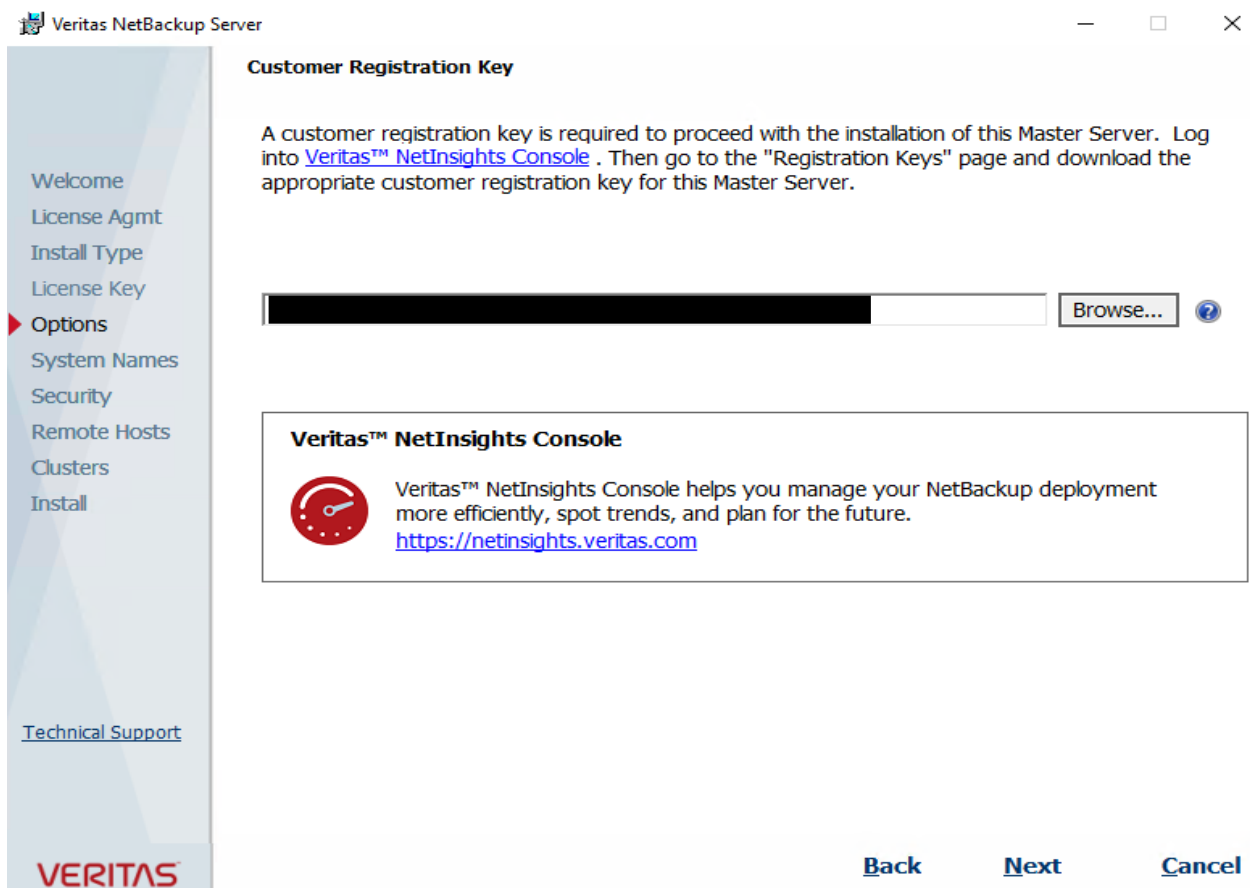
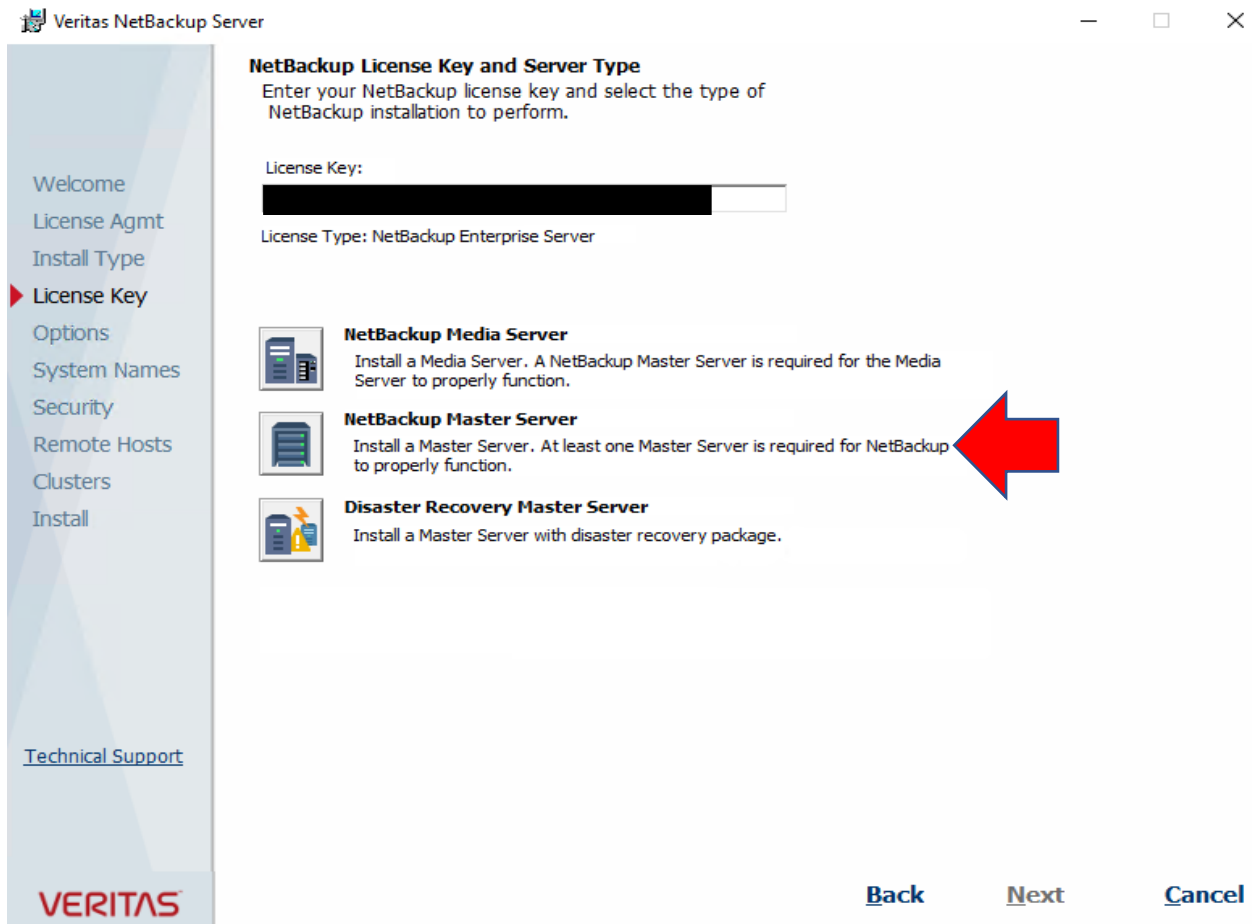
Perform a typical installation. Default settings will be used.

☒ **Custom installation**

Perform a customized installation. Recommended for advanced users. Choose the settings with which NetBackup will be installed:

- installation folder (currently C:\Program Files\Veritas)
- service log on account and startup options
- safe abort for reboot cases
- optional Java GUI and JRE packages

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### Veritas NetBackup Server Installation Folder

Specify the installation folder for Veritas NetBackup Server.

Destination

C:\Program Files\Veritas

Change...

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### NetBackup Port Numbers

Enter the port numbers for the following NetBackup Processes and Services. The port numbers do not need to be modified except under unusual circumstances.

bpcd	13782	bprd	13720	vnetd	13724
bpjava	13722	bpdbrm	13721	bpjobd	13723
tlcd	13711	NB_dbsrv	13785	vmd	13701
acsd	13702				

Defaults

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**NetBackup Services**

Specify the log on account and startup options for Veritas NetBackup Server services.

The privileged account is required to run NetBackup services that require administrative privileges. The non-privileged account is required to run the NetBackup services that do not require administrative privileges. Ensure that the specified accounts exist on the target system(s) before proceeding.

These specifications do not apply to NetBackup Web services. You can configure NetBackup Web services user account in another screen of this wizard.

For more information, see: <https://www.veritas.com/docs/100048220>

Privileged Account Details

☒ Local System account ⓘ

☐ Custom account:

Domain

Username

Password

Non-Privileged Account Details

☐ Same as the Privileged account specified above

☒ Local Service account ⓘ

Service Options

☒ Automatic startup type

☐ Manual startup type

☒ Start the job-related NetBackup services after installation

**Safe Abort Option**

☐ Abort install if a system reboot is required. The system will be returned to its pre-install state.

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**NetBackup Services**

Specify the log on account and startup options for Veritas NetBackup Server services.

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For more information, see: <https://www.veritas.com/docs/100048220>

Privileged Account Details

☒ Local System account ⓘ

☐ Custom account:

Domain

Username

Password

Non-Privileged Account Details

☐ Same as the Privileged account specified above

☒ Local Service account ⓘ

Service Options

☒ Automatic startup type

☐ Manual startup type

☒ Start the job-related NetBackup services after installation

**Local System Account**

ⓘ

The Local System account (NT AUTHORITY\SYSTEM), is a built-in Windows user account that has complete and unrestricted access to the local resources. NetBackup Administrators should be aware of the security implications of running Windows services using this account.

OK

**Safe Abort Option**

☐ Abort install if a system reboot is required. The system will be returned to its pre-install state.

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Veritas NetBackup Server


**NetBackup Services**  
Specify the log on account and startup options for Veritas NetBackup Server services.

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These specifications do not apply to NetBackup Web services. You can configure NetBackup Web services user account in another screen of this wizard.

For more information, see: <https://www.veritas.com/docs/100048220>

**Privileged Account Details**

☒ Local System account 

☐ Custom account:

Domain:

Username:

Password:

**Service Options**


☒ Automatic startup type

☐ Manual startup type

☒ Start the job-related NetBackup services after installation

**Non-Privileged Account Details**

☐ Same as the Privileged account specified

☒ Local Service account 

**Local Service Account**

The Local Service account (NT AUTHORITY\LocalService), is a built-in Windows user account that has minimum privileges on the local resources. It has similar level of access to local resources as members of the default Windows Users group.


**Safe Abort Option**


☐ Abort install if a system reboot is required. The system will be returned to its pre-install state.

**VERITAS**

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Create the group and user in ADUC – like this


 nbwebgrp Security Group - Global

 nbwebsvc User

Add user as member to the group

nbwebgrp Properties

**Members**

Name	Active Directory Domain Services Folder
 nbwebsvc	RAMLAN.CA/Lab/Users



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### NetBackup Web Services

Specify NetBackup web service user account information.



The NetBackup Master Server includes an active web server to support critical backup operations. This web server operates under the user and group accounts that are provided below.

These accounts must exist before you proceed. For more information, please review this technote:

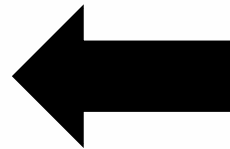
<https://www.veritas.com/docs/000081350>

### What types of accounts should we use?

- ☐ Local  
☒ Domain (Active Directory)

### What are the existing domain account details?

Domain:   
Domain Group:   
Domain User:   
Password:



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### NetBackup System Names

Enter the names of the servers in your environment.

Master Server Name:

Additional Servers:

Enter the names of all additional NetBackup master and media servers that communicate with this computer.

#### OpsCenter Server

OpsCenter is the monitoring, reporting, and administrative solution designed to centrally manage one or more NetBackup installations from a web browser. If you have an OpsCenter server in your environment or are planning on installing one, please provide the name or IP (for clusters do not use the virtual name) for your OpsCenter server.

OpsCenter Server Name (Optional)

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## One Moment Please...

Executing pre-installation checks



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VERITAS

### Ready to Install the Program

The wizard is ready to begin installation.



Please review your settings below. Click Install to begin the installation. Click Back if you want to change any of your installation settings. Click Cancel to exit the wizard.

## VERITAS NetBackup Installation Summary

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### TP2103 on RAMLAN

#### OVERVIEW

<b>Date/Time:</b>	10/18/2021 03:49:15 PM
<b>System Role:</b>	NetBackup Master Server
<b>Install Method:</b>	Local Installation
<b>Install Type:</b>	Custom
<b>Operating System:</b>	Microsoft Windows Server 2022 Datacenter Evaluation
<b>Processor Architecture:</b>	AMD64

Once installation begins, this installation summary will be saved to the installation log directory.

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## TP2103 on RAMLAN

### OVERVIEW

Date/Time:	10/18/2021 03:49:15 PM
System Role:	NetBackup Master Server
Install Method:	Local Installation
Install Type:	Custom
Operating System:	Microsoft Windows Server 2022 Datacenter Evaluation
Processor Architecture:	AMD64
Product Version:	9.1.0.1
Previous Version:	Not Applicable
Install Directory:	C:\Program Files\Veritas
Install Log Directory:	%ALLUSERSPROFILE%\Veritas\NetBackup\InstallLogs
Infinite Expiration Conversion:	Not Applicable

### NETBACKUP ENVIRONMENT

Master Server:	TP2103.RAMLAN.CA
Additional Server(s):	
Customer Registration Key:	C:\Temp\Windows\veritas_customer_registration_key.json

### WEB SERVICE ACCOUNTS

Account Type:	Domain
Domain Name:	RAMLAN.CA
User Name:	nbwebsvc
Group Name:	nbwebgrp

### PREINSTALL CHECK

✓ remote_emm:	NetBackup is not installed: skipping
✓ defaulttasksmax_check:	inapplicable - this is not a SUSE Linux Enterprise system version 12.3 or higher: skipping
✓ nbdb_maintenance_space:	no NBDB maintenance required on new install: skipping
✓ idirstruct_check:	NetBackup is not present on this host.: skipping
✓ wsl_account:	user [nbwebsvc] belongs to group [nbwebgrp]
✓ media_server_cluster_upgrade:	NetBackup is not installed: skipping
✓ unsupported_robot_types_critical:	Inapplicable for new NetBackup installation: skipping
✓ nb_version_check:	NetBackup is not present on this host.: skipping
✓ nbdb_ntfs_dir_symlink:	NetBackup is not installed: skipping
✓ client_name_master_check:	Inapplicable for new NetBackup installation: skipping
✓ nb_keysize_env_value:	No issues found in environment variable NB_KEYSIZE value.
✓ websvc_user_login_shell:	Inapplicable for Linux or Windows, this is MSWin32.: skipping

- ✔ **websvc\_user\_login\_shell:** Inapplicable for Linux or Windows, this is MSWin32.: skipping
- ✔ **java\_key\_store:** Inapplicable for new NetBackup installation: skipping
- ✔ **service\_user:** Inapplicable for Windows install.: skipping
- ✔ **cloudcatalyst\_check:** Inapplicable for non-Linux platforms.: skipping
- ✔ **tomcat\_certificates:** Inapplicable for new NetBackup installation: skipping
- ✔ **server\_conf\_settings\_critical:** Inapplicable for new NetBackup installation: skipping
- ✔ **master\_server\_name:** No issues found in master server name.
- ✔ **unsupported\_platform:** Host is a supported platform: Win10 (2.10.0).
- ✔ **be\_nb\_same\_host:** Backup Exec is not installed
- ✔ **localhost\_check:** Inapplicable for new NetBackup installation: skipping
- ✔ **os\_update\_level:** inapplicable on MSWin32: skipping
- ✔ **ulimit\_nofiles:** inapplicable on MSWin32: skipping
- ✔ **masterkey\_check:** Inapplicable for new NetBackup installation.: skipping
- ✔ **asset\_db\_api:** Inapplicable for new NetBackup installation.: skipping
- ✔ **asset\_db\_api:** Inapplicable for new NetBackup installation.: skipping
- ✔ **semaphore\_limits:** inapplicable on MSWin32: skipping
- ✔ **webserver\_tunnel\_config:** Inapplicable for new NetBackup installation: skipping
- ✔ **ephemeral\_port\_range:** The ephemeral port range does not include ports used by NetBackup services.
- ✔ **hotfix\_auditor:** NetBackup is not installed or there is no hotfix or EEB data present. Skipping HF/EEB Auditor check.
- ✔ **rbac\_config\_check:** Inapplicable for new NetBackup installation.: skipping
- ✔ **wmc\_dir\_ownership\_check:** Inapplicable for upgrade to non - Master Server: skipping
- ✔ **api\_keys\_check:** Inapplicable for new NetBackup installation.: skipping
- ✔ **unsupported\_robot\_types\_noncritical:** Inapplicable for new NetBackup installation: skipping
- ✔ **server\_conf\_settings\_noncritical:** Inapplicable for new NetBackup installation: skipping
- ✔ **nbwmc\_and\_nb\_dbsrv\_mod\_time\_match:** Inapplicable for new NetBackup installation: skipping
- ✔ **fingerprint\_map\_check:** Inapplicable for new NetBackup installation: skipping
- ✔ **port\_availability\_check:** Port 3652 is available for NetBackup services. Port 443 is available for NetBackup services.

## SERVICES

- ✔ Start Services Following Install
- ✔ Use Local System Account
- ✔ Use Local Service Account

**Startup Type:** Automatic

## SAFE ABORT

- ✘ Abort if Reboot Required

## PORT SPECIFICATIONS

<b>ACSD:</b>	Not Applicable
<b>BPCD:</b>	13782
<b>BPDBM:</b>	13721

<b>BPDBM:</b>	13721
<b>BPJOBID:</b>	13723
<b>BPRD:</b>	13720
<b>NBDBD:</b>	Not Applicable
<b>TLDCD:</b>	13711
<b>VISD:</b>	Not Applicable
<b>VMD:</b>	13701
<b>VNETD:</b>	13724

## JAVA GUI AND JRE

The Java GUI and JRE are required for master servers and will be included.

## OPSCENTER

**OpsCenter Server:** Not Applicable



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Veritas NetBackup Server



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► **Install**

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VERITAS



### Installation Complete

Veritas NetBackup Server was installed successfully.

[Please review the log file for details.](#)

To add additional license keys, log in to the NetBackup Administration console and go to Help > License Keys.



WARNING: Catalog backups fail if the disaster recovery passphrase is not set.

☐ Launch NetBackup Administration Console now.

**Finish**



You may administer NetBackup on any NetBackup host. To login, enter the username and password for the specified NetBackup host.

Host name:

TP2103.RAMLAN.CA

Login using:

- ☒ User name and password
- ☐ Windows Active Directory login credentials
- ☐ Single sign-on, Certificates, or Smart Cards through the Web UI

User name:

RAMLAN\Administrator

For a Windows host, specify the domain name along with the user name. For example, domain name\user name.

Password:

\*\*\*\*\*

Login

Cancel

Help

[What's New in Veritas NetBackup™](#)

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TP2103.RAMLAN.CA is signed by a Certificate Authority which is not listed in the trust store.

Certificate Subject - /CN=nbatd/OU=root@tp2103.ramlan.ca/O=vx

Root Certificate Authority fingerprints -

SHA-1 Fingerprint: 43:8C:11:34:E5:E2:10:59:BF:86:39:8F:65:79:99:AB:BD:30:51:53

SHA-256 Fingerprint: 33:D6:02:64:E5:79:1D:6A:4C:B9:01:C3:7A:3A:A3:FC:52:62:82:50:2E:03:A0:4F:F2:BB:2C:DC:93:CB:77:1F

Do you want to add this Certificate Authority to the trust store?

If you add this Certificate Authority, NetBackup trusts the hosts that have certificates signed by this Certificate Authority.

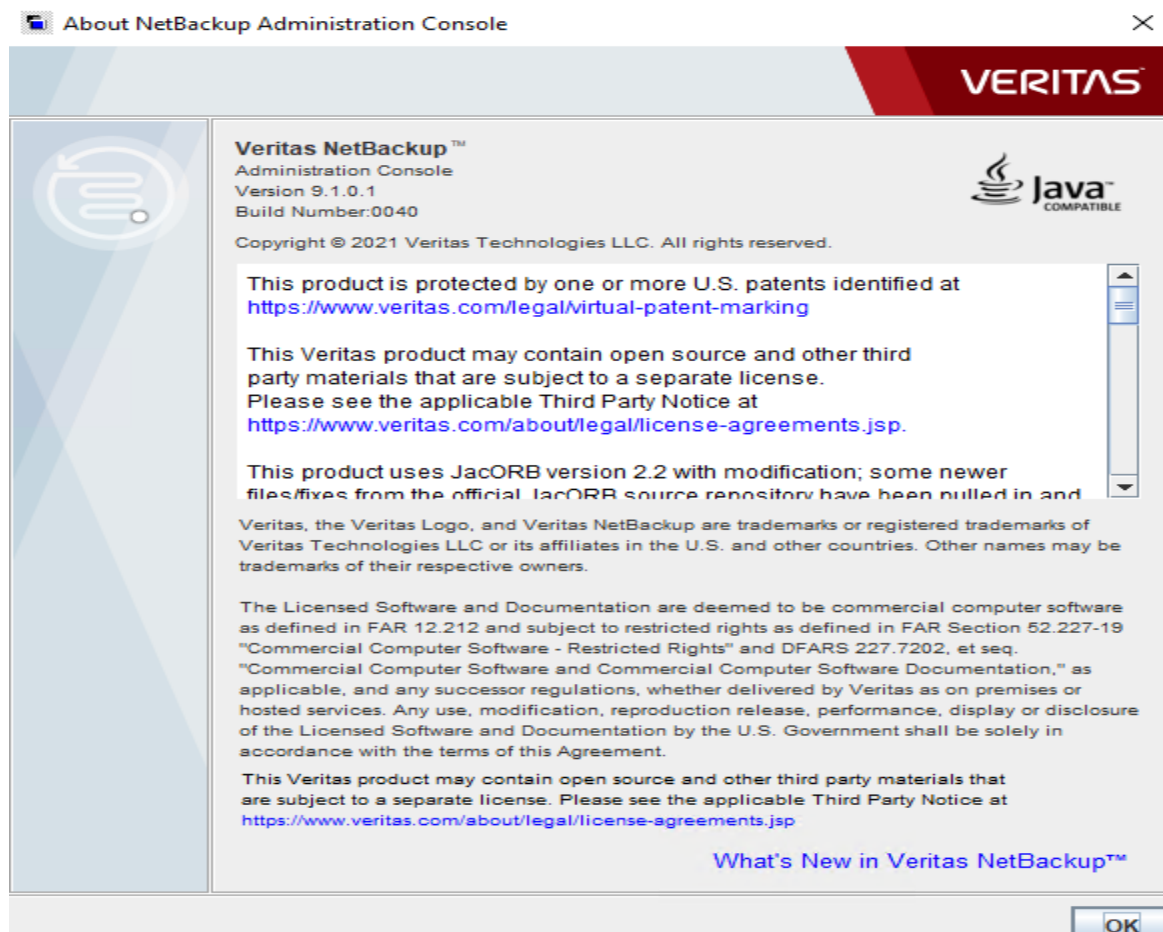
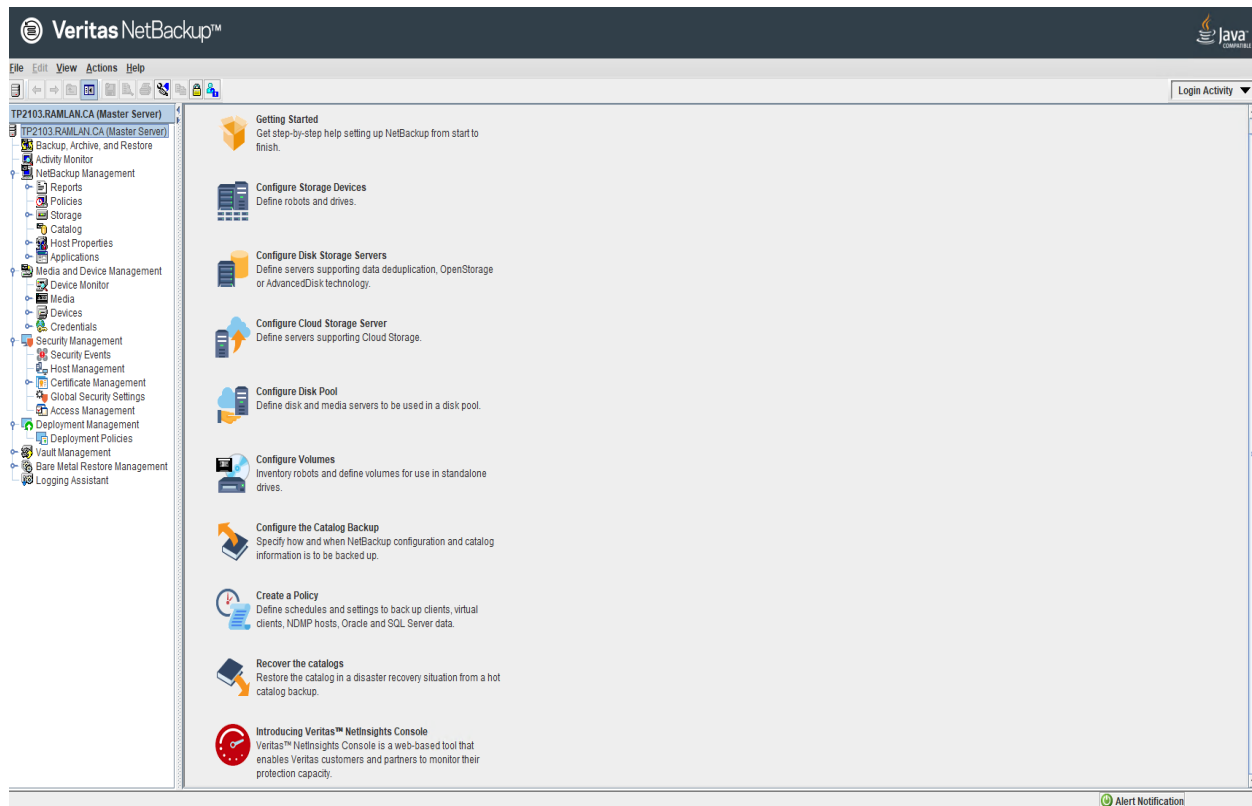
Yes

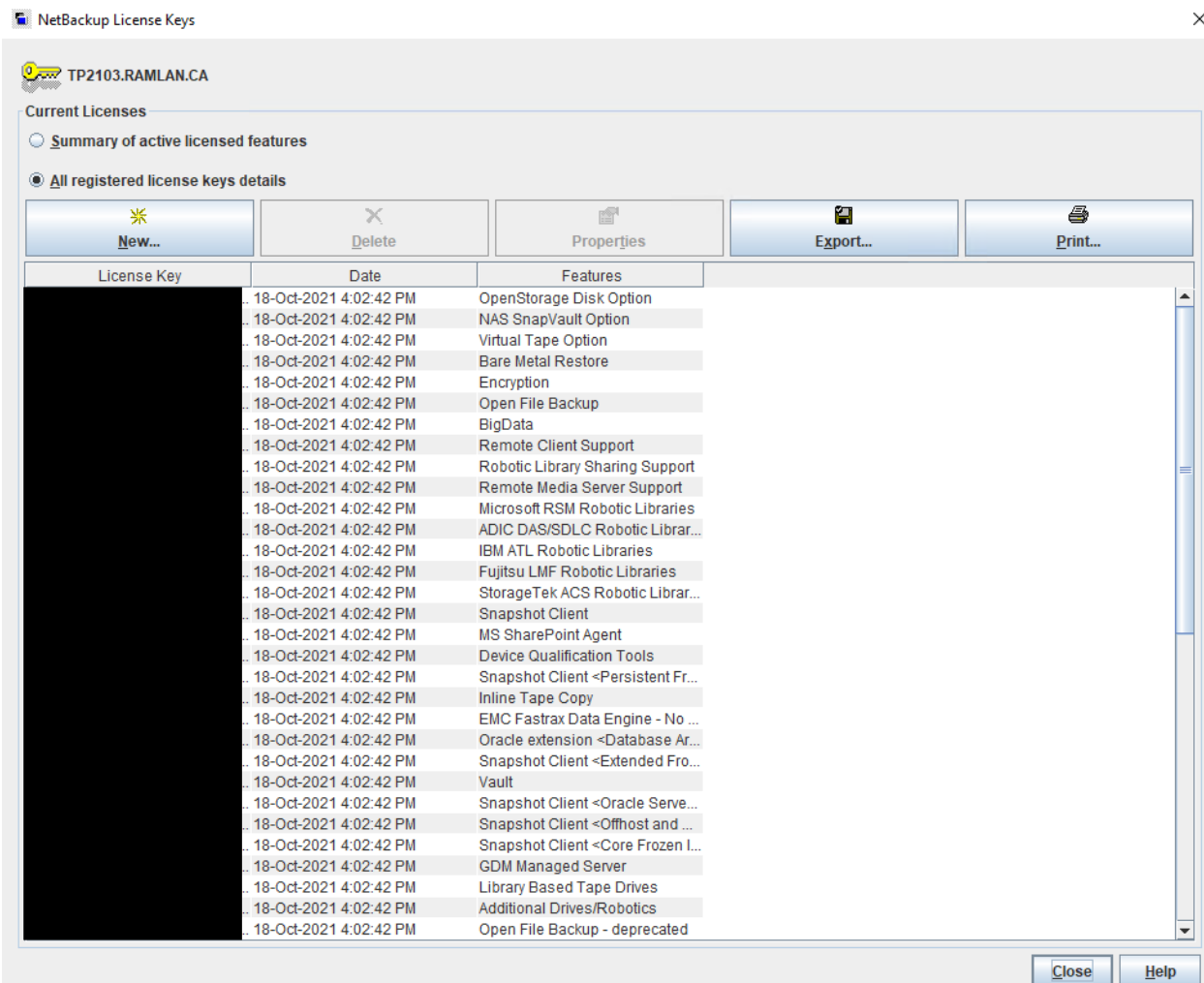
No

Help



# Veritas NetBackup Administration Console





This concludes Veritas NetBackup v9.1 installation. In the next blog, I will go into more details about configuring database, data backup plan, storage, client install and other stuff.



Thanks

Ram  
18<sup>th</sup> Oct 2021