24/7 Backup Advanced Backup Manager (B247PRO) v9

Microsoft System State Backup and Restore Guide

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Revision History

Date	Descriptions	Version
25 January 2022	▪ Ch 1.2 – modified the system architecture diagram ▪ Ch. 2, 3, 4, & 5 – updated the screenshots ▪ Ch. 2, 4, & Appendix – updated the links	9.1.0.0

Table of Contents

1 Overview

1.1 What is this software?

Backup247 brings you specialized client backup software, namely Backup247 Advanced Client (B247PRO), to provide a set of tools to protect your Microsoft System State. This includes backup feature, that leverages Microsoft's native WBAdmin command-line tool (http://go.microsoft.com/fwlink/?LinkId=140216) for Windows Server 2008 and newer releases, and recovery feature.

System state backup and restore operations include all system state data, and you cannot choose to backup or restore individual components due to dependencies among the system state components.

System state data is comprised of the following files:

- Boot files, including the system files, and all files protected by Windows File Protection (WFP)
- Active Directory (on a domain controller only)
- SYSVOL (on a domain controller only)
- Certificate Services (on certification authority only)
- Cluster database (on a cluster node only)
- Component Services Class registration database
- Performance counter configuration information
- Microsoft Internet Information Services (IIS) meta directory (on an IIS server only)
- Registry

The size of a set of system state backup data is dependent on the role installed on the server.

Please refer to the following article for more details:

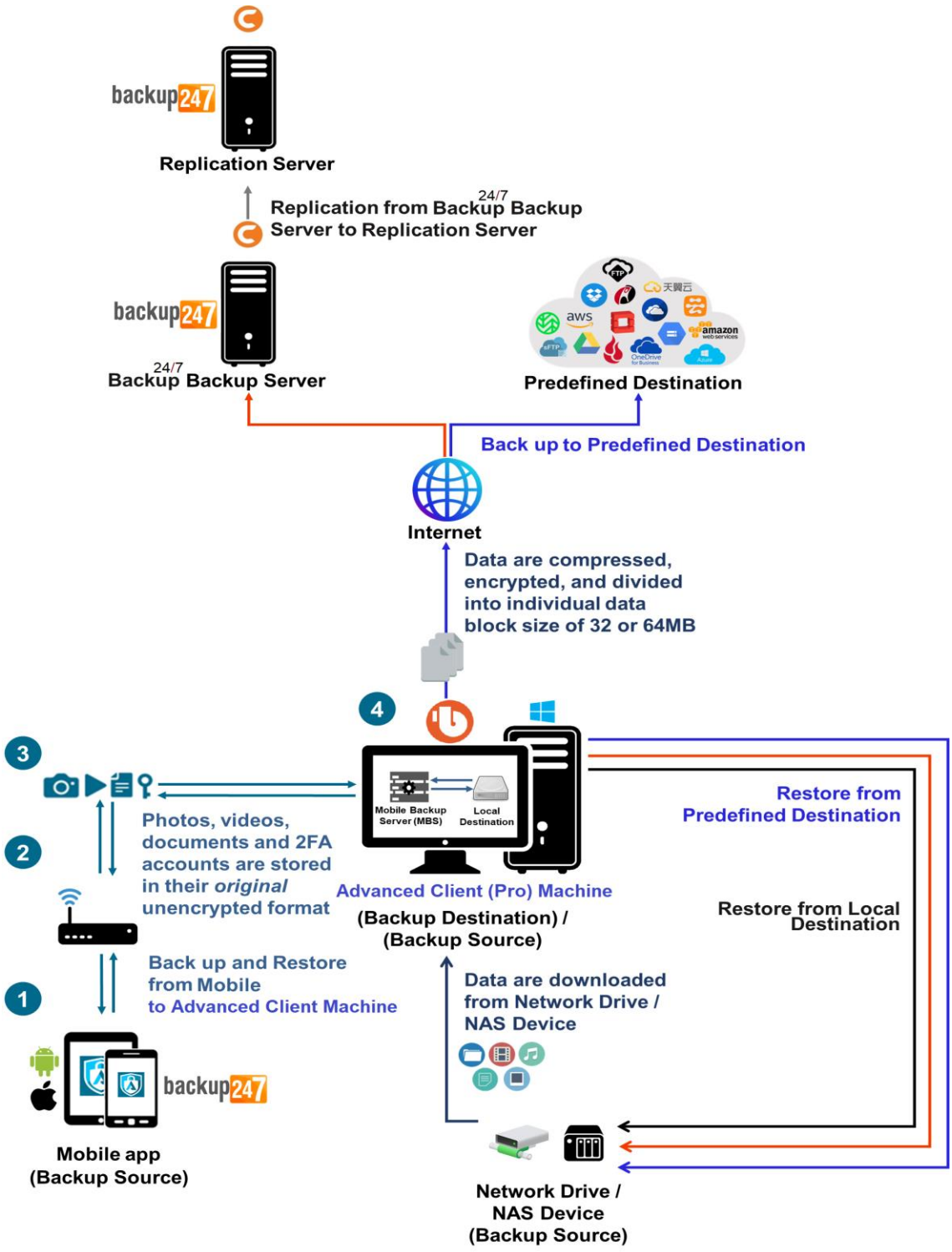
For Windows 2008 and newer releases:

https://msdn.microsoft.com/en-us/library/windows/desktop/bb968830

1.2 System Architecture

The following high-level system architecture diagram illustrates the major elements involved in the backup process of a MS Windows System State backup with Backup247 Advanced Client (B247PRO) and B247CBS.

In this user guide, we will focus on the software installation, as well as the end-to-end backup and restore process of MS Windows System State using the Backup247 Advanced Client (B247PRO) as a client backup software.



2 Preparing for Backup and Restore

2.1 Hardware Requirement

To achieve the optimal performance when Backup247 Advanced Client (B247PRO) is running on your machine, refer to the following link for the list of hardware requirements for Backup247 Advanced Client (B247PRO):
FAQ: Backup247 Hardware Requirement List (HRL) for version 9.1 or above

2.2 Software Requirement

Make sure the operating system where you need the Windows System State to be backed up is compatible with the Backup247 Advanced Client (B247PRO). Refer to the following link for the list of compatible operating systems and application versions.
FAQ: Backup247 Software Compatibility List (SCL) for version 9.1 or above

2.3 Antivirus Exclusion Requirement

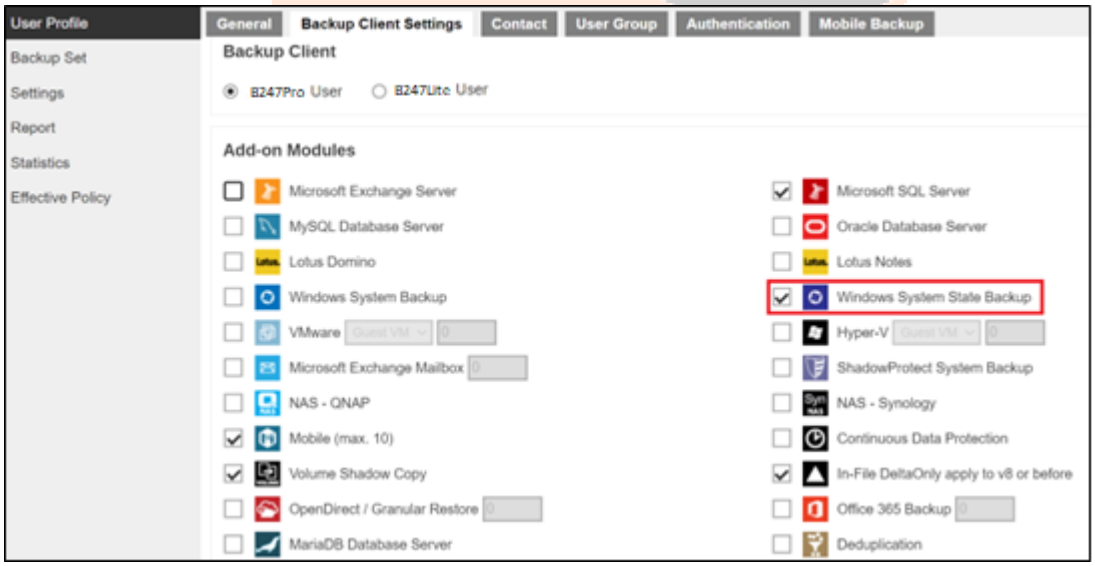
To optimize performance of Backup247 Advanced Client (B247PRO) on Windows, and to avoid conflict with your antivirus software, refer to the following link for the list of processes and directory paths that should be added to all antivirus software white-list / exclusion list:
FAQ: Suggestion on antivirus exclusions to improve performance of Backup247 software on Windows

2.4 Backup247 Advanced Client (B247PRO) Installation

Make sure that the latest version of Backup247 Advanced Client (B247PRO) is installed on the computer to be backed up.

2.5 Backup247 Advanced Client (B247PRO) Add-on Module Configuration

Make sure that the **Windows System State Backup** add-on module is enabled in your Backup247 Advanced Client (B247PRO) user account. Please contact your service provider for more details.



2.6 Backup Quota Requirement

Make sure that your Backup247 Advanced Client (B247PRO) user account has sufficient quota assigned to accommodate the storage for the system state backup for the new backup set and retention policy. Please contact your backup service provider for more details.

2.7 Java Heap Size

The default Java heap size setting of Backup247 Advanced Client (B247PRO) is 2048MB. For Windows System State backup, it is highly recommended to increase the Java heap size setting to at least 4096MB to improve backup and restore performance. The actual heap size used will be dependent on amount of free memory available on the machine with Backup247 Advanced Client (B247PRO) installed (machine that is running the backup).

For best performance, consider increasing the memory allocation setting for Backup247 Advanced Client (B247PRO) (Java heap space).

Refer to this link for more details about the modification of the java heap size setting for Backup247 Advanced Client (B247PRO):

FAQ: How to modify the Java heap size setting of Backup247 Advanced Client (B247PRO) / Backup247 Standard Backup Suite (B247LITE)?

2.8 License Requirement

Backup247 Advanced Client (B247PRO) licenses are calculated on a per device basis:

- To back up users with 1 backup client computer (e.g. 1 Backup247 Advanced Client (B247PRO) installed), 1 Backup247 Advanced Client (B247PRO) license is required.
- To back up users with multiple backup client computers, the number of Backup247 Advanced Client (B247PRO) licenses required is equal to the number of devices. For example, if there are 10 users to be backed up with 3 backup client computers, then 30 Backup247 Advanced Client (B247PRO) licenses are required. Please contact your backup service provider for more details.

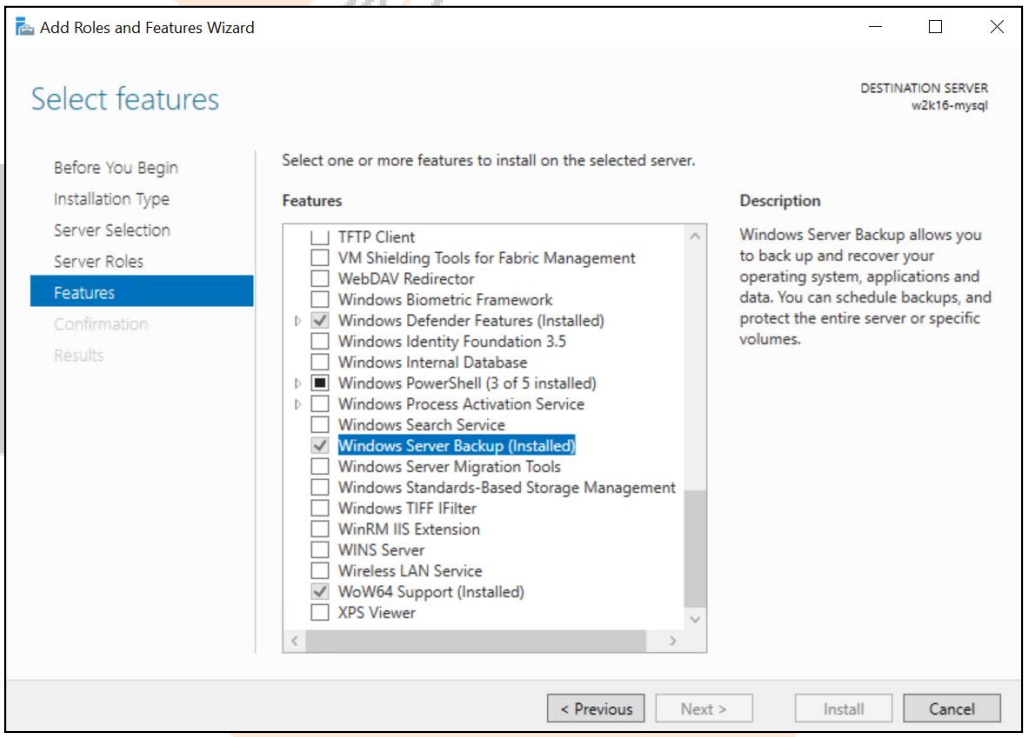
2.9 Windows Requirements

Windows Server Backup (WSB) Features

The following Windows Server Backup features must be installed on the computer to be backed up:

- Windows Server Backup
- Command line Tool
- Windows PowerShell

This can be confirmed in the Server Manager. These features can be added by selecting **Add Roles and Features**.



Windows Account Permission

To perform recovery using Windows Server Backup, the operating system account you are using must be a member of the Backup Operators or Administrators group.

System Volume

The system volume must be formatted with NTFS.

- **Latest Service Packs from Microsoft**

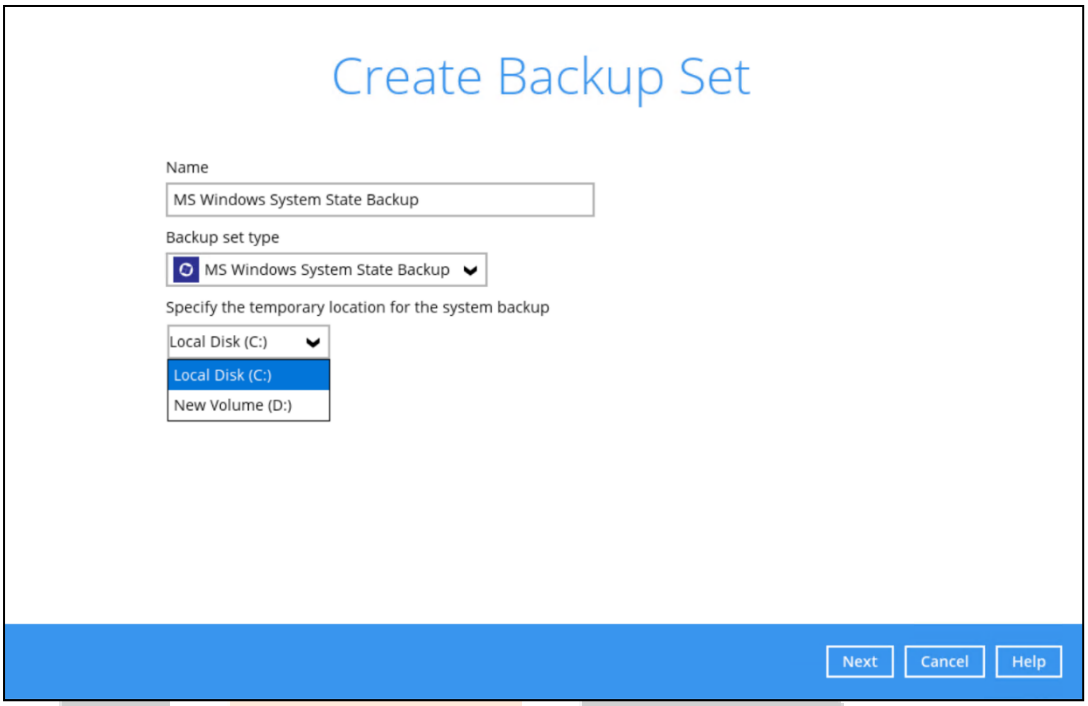
  Ensure that you have the latest service packs installed. Updates to the Windows operating system improve its performance and resolve known issues with Windows Server Backup.

NOTE

- Windows XP Home is not supported for the system state backup and restore by Backup247 Advanced Client (B247PRO).
- As Windows XP and Windows 2003 are no longer supported by Microsoft anymore, Backup247 will provide best effort support for backup and restore for these 2 Windows platforms.

2.10 Temporary Volume

Make sure that the storage location configured for the system image is set to a supported location.



The temporary storage location is required by the WBADMIN utility to temporary store the image file during the backup job.

The machine requires an additional drive to accommodate the spooling of the System State image file. As you can on our sample screen shot above, we have two (2) drives in total, Local Disk C: and New Volume D:

If the machine has only one (1) drive, then one of the following options will need to be implemented to create the temporary volume.

- A USB drive needs to be connected
- The existing C: drive will need to be repartitioned to create an additional drive, i.e. D:
- An extra physical drive will need to be installed
- Set up a network drive (the least preferred option as it will affect the backup performance)

For more details about the restrictions, please refer to the following link:

FAQ: Restrictions on the temporary storage location for the Windows System State and System backup image file

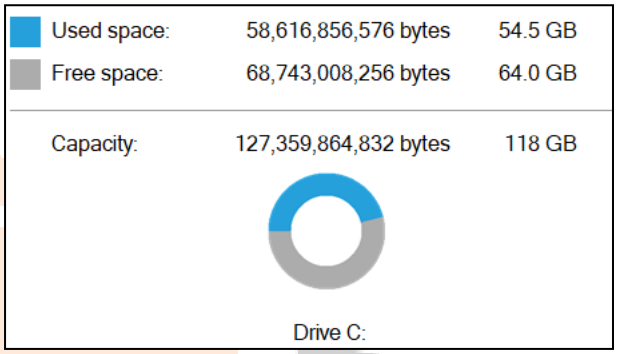
- **Disk Space Available in Temporary Storage Location**

  Make sure that there is sufficient disk space available in the storage location for the backup set.

  For a system backup, it will typically require disk space of the total used size of all volumes selected for backup.

  NOTE

  Used space, not free space of all volumes selected for backup.



- **Maximum Supported Disk Size**

  For Windows Vista, or 2008 / 2008 R2 Server, source volumes with size greater than 2 TB (e.g. 2040 GB - 2 MB = 2088958 MB) are not supported.

  This limitation is related to the .vhd file size limit.

  NOTE

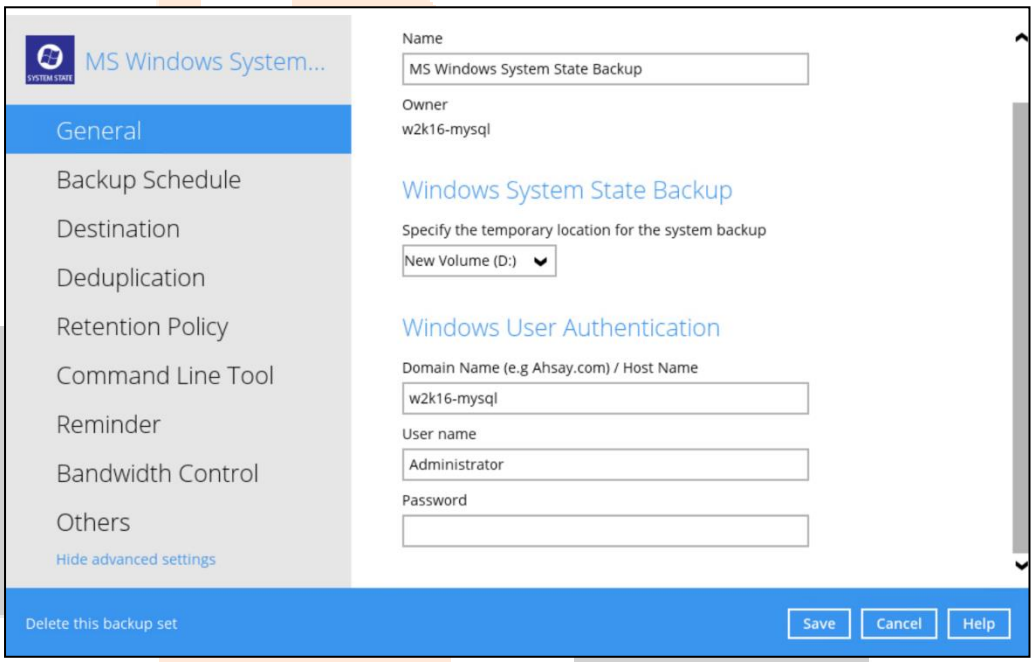
  This limitation does not apply to Windows 8 or newer releases of Windows platforms.

2.11 Best Practices and Recommendations

The following are some best practices or recommendations that we strongly recommend, before you start any Microsoft System State backup and restore:

- **Temporary Directory Folder Location**

  For best performance, it is recommended that the temporary storage location of a MS Windows System State backup set is set to a supported local volume, and not to a network volume (e.g., to improve I/O performance). The temporary storage location is highly recommended to be set on a directory with sufficient free disk space and located to another location other than Drive C: (e.g., Drive E:).



NOTE

Kindly note that for Windows Server 2008 or newer releases, the restriction on temporary volume (Ch 2.10) must also be considered.

- **Backup Destination**

  To provide maximum data protection and flexible restore options, it is recommended to configure:

  - At least one offsite or cloud destination
  - At least one local destination for fast recovery

- **Backup Frequency**

  MS Windows System State backup should be performed at least once per week.

- **Performance Recommendations**

  Consider the following best practices for optimized performance of the backup operations:

  - Enable schedule backup jobs when system activity is low to achieve the best possible performance.
  - Perform test restores periodically to ensure your backup is set up and performed properly. Performing recovery test can also help identify potential issues or gaps in your recovery plan. It's important that you do not try to make the test easier, as the objective of a successful test is not to demonstrate that everything is flawless. There might be flaws identified in the plan throughout the test and it is important to identify those flaws.

- **System Recovery Plan**

  Consider performing routine system recovery test to ensure your system backup is setup and performed properly. Performing system recovery test can also help identify potential issues or gaps in your system recovery plan.

  For best result, it is recommended that you should keep the test as close as possible to a real situation. Often when a recovery test is to take place, administrators will plan for the test (e.g. reconfiguring the test environments, restoring certain data in advance). For real recovery situation, you will not get a chance to do that.

  It's important that you do not try to make the test easier, as the objective of a successful test is not to demonstrate that everything is flawless. There might be flaws identified in the plan throughout the test and it is important to identify those flaws.

- **Restore to Alternate Computer**

  You can restore a system state backup to the same physical computer from which the system state backup was created, or to a different computer that has the same make, model, and configuration (identical hardware). Microsoft does not support restoring a system state backup from one computer to a second computer of a different make, model, or hardware configuration.

  Please refer to the following article for more details:

  http://support.microsoft.com/kb/249694

- **Periodic Backup Schedule**

  The periodic backup schedule should be reviewed regularly to ensure that the interval is sufficient to handle the data volume on the machine. Over time, data usage pattern may change on a production server, i.e., the number of new files created, the number of files which are updated/deleted, and new users may be added etc.

  Consider the following key points to efficiently handle backup sets with periodic backup schedule.

  - Hardware – to achieve optimal performance, compatible hardware requirements is a must. Ensure you have the backup machine's appropriate hardware specifications to accommodate frequency of backups
    - so that the data is always backed up within the periodic backup interval

- so that the backup frequency does not affect the performance of the production server.

- Network – make sure to have enough network bandwidth to accommodate the volume of data within the backup interval.
- Retention Policy - also make sure to consider the retention policy settings and retention area storage management which can grow because of the changes in the backup data for each backup job.

2.12 Restore Considerations

Please consider the following before performing a MS System State restore:

- Windows Account Permission

  To perform recovery using Windows Server Backup, the operating system account that you use, must be a member of the Backup Operators or Administrators group.

- Disk Size

  For recovery of operating system to a new hard disk, ensure that the disk that you restore to is at least the size of the disk that contained the volumes that were backed up, regardless of the size of those volumes within.

  For example, if there was only one volume of size 100 GB created on a 1 TB disk during backup, then you should use a disk that is at least 1 TB when recovering.

- Windows Recovery Environment

  For recovery of operating system, the processor architecture for a given instance of Windows Recovery Environment and the computer whose system you are trying to restore must match.

  For example, Windows Recovery Environment for an x64 based version of the operating system will only work on an x64 based server.

- Caution on Recovery to Dissimilar Hardware

  This recovery method requires the restore target system to have similar hardware and the exact same boot type as the source system from which the backup was taken. Disk adapters are especially sensitive. If dissimilar hardware is used, the restored system might not be boot.

  For example, if the system backup image was taken from a BIOS-based system, the recovery environment must be booted in BIOS mode.

- BitLocker Drive

  For server with BitLocker Drive Encryption enabled, make sure to re-apply BitLocker Drive Encryption to the server after a restore.

  This will not happen automatically; it must be enabled explicitly.

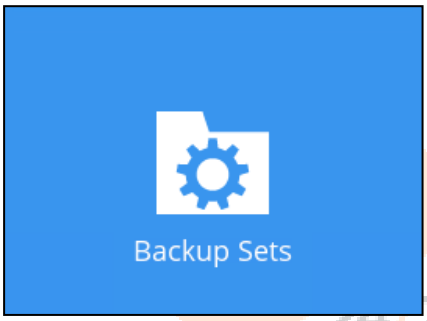
  For instructions, refers to the following: http://go.microsoft.com/fwlink/?LinkID=143722

3 Configuring a MS Windows System Backup Set

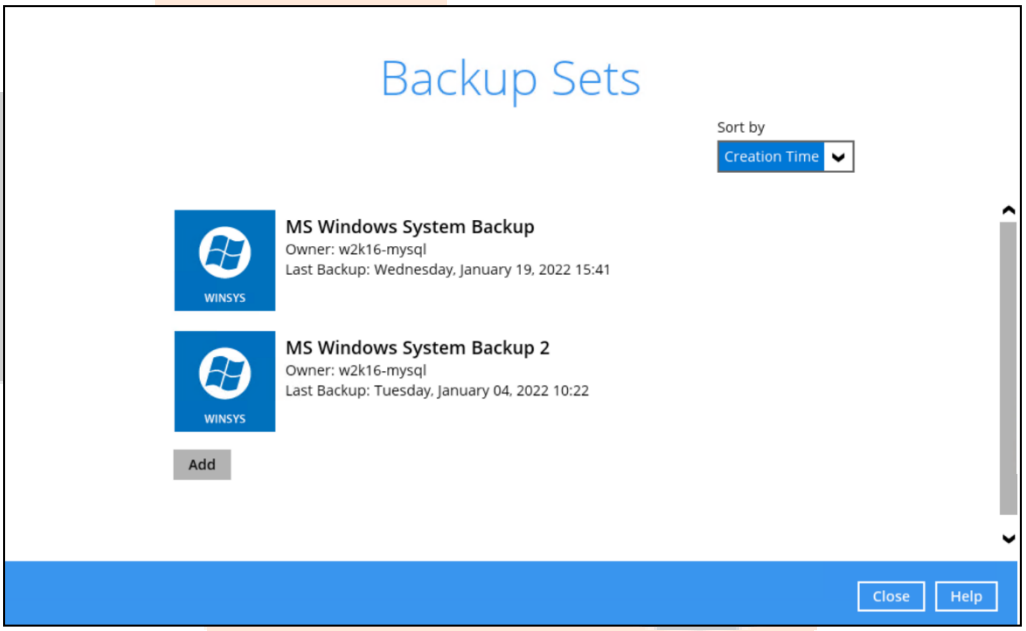
3.1 Configuring an MS Windows System State Backup Set

Create the MS Windows System State backup set using following steps.

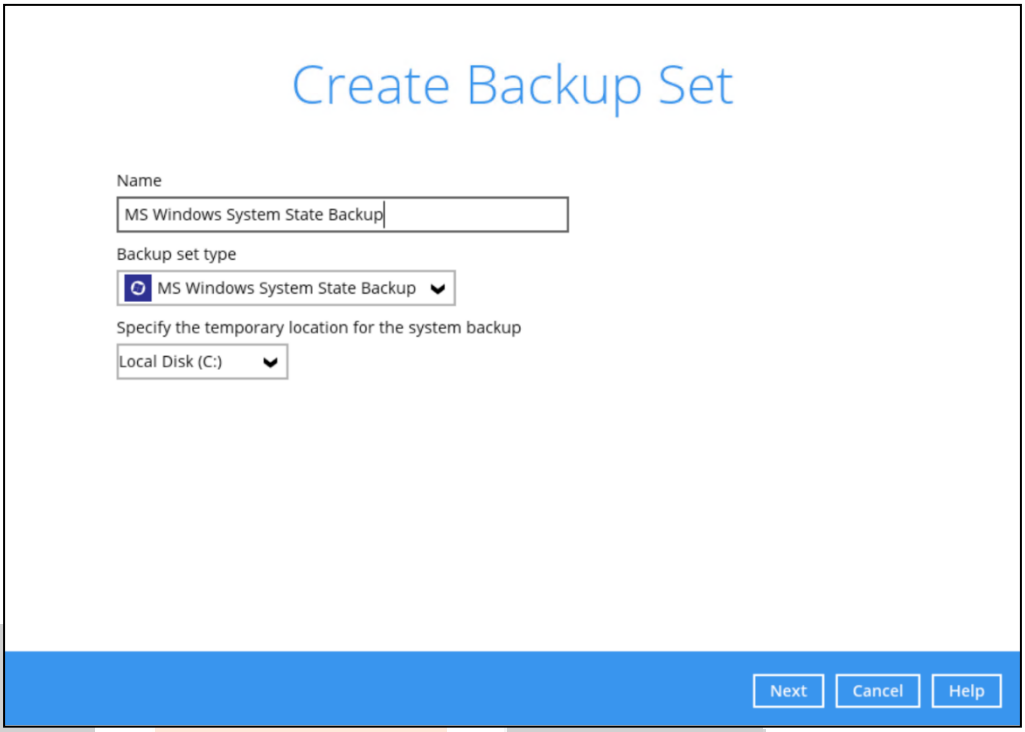
1. In the Backup247 Advanced Client (B247PRO) main interface, click **Backup Sets**.



2. Create a MS Windows System State backup set by clicking the **Add** button.

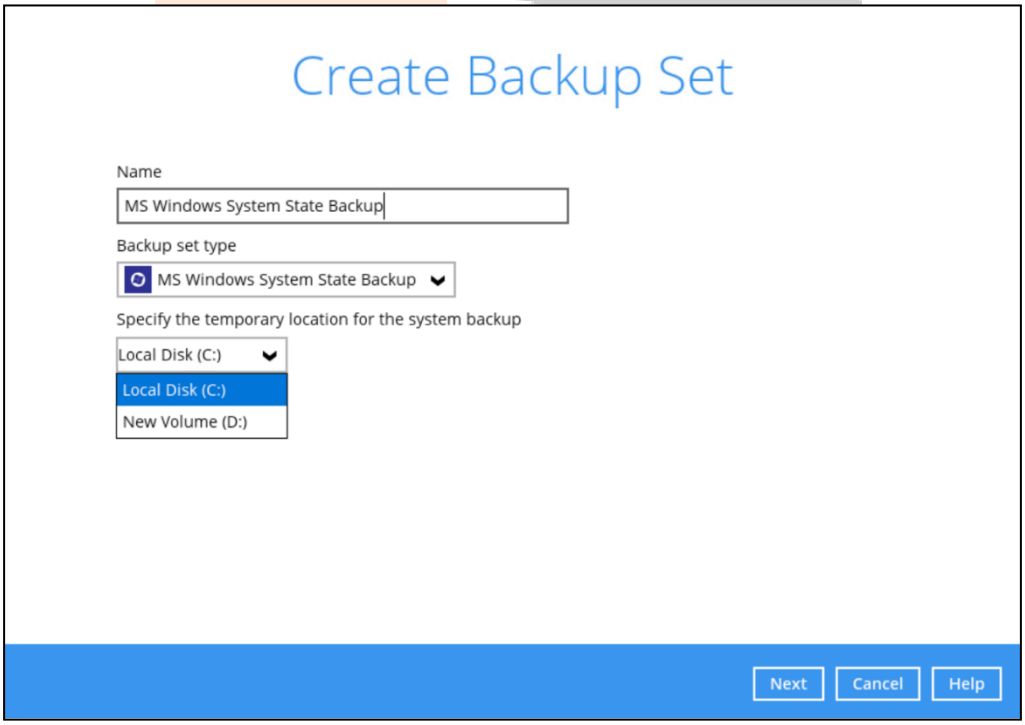


3. Select **MS Windows System State Backup** as the **Backup set type**, enter a **Name** for your backup set, and specify a **Temporary Location** for your back up. Click **Next** to proceed.

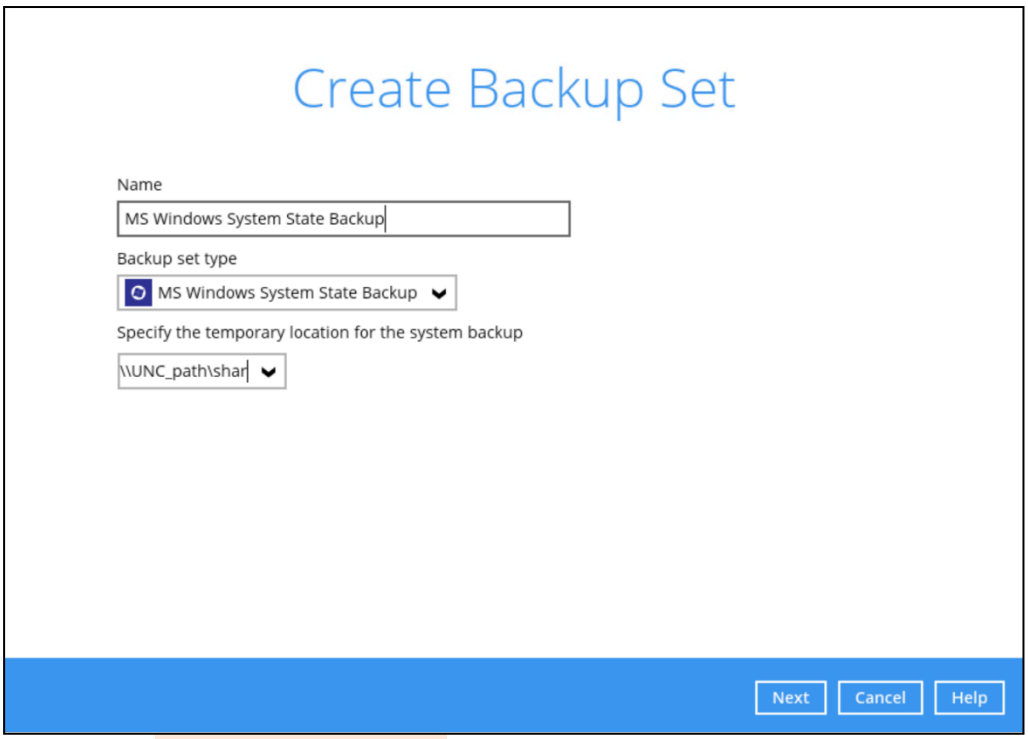


4. Select the location where you would like to store the system state image before generating the backup data.

   Select a local volume from the dropdown menu.

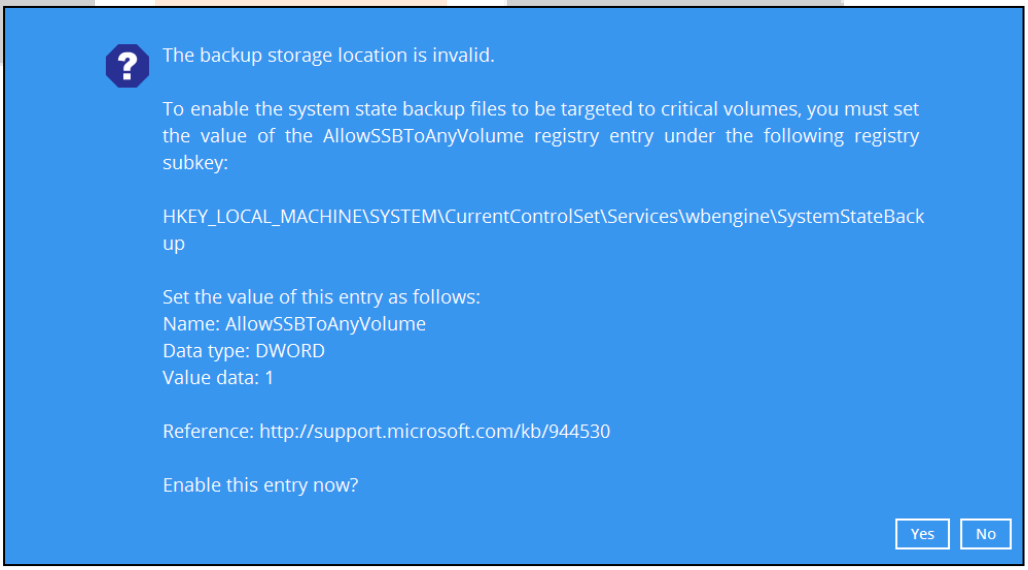


   OR enter the UNC path to a network volume that is accessible to the client computer.



Note: For Windows 2008 Server, the temporary storage location cannot be set to a network path.

Note: If the storage location is set to a critical volume (e.g. system volume), the following message will be displayed:

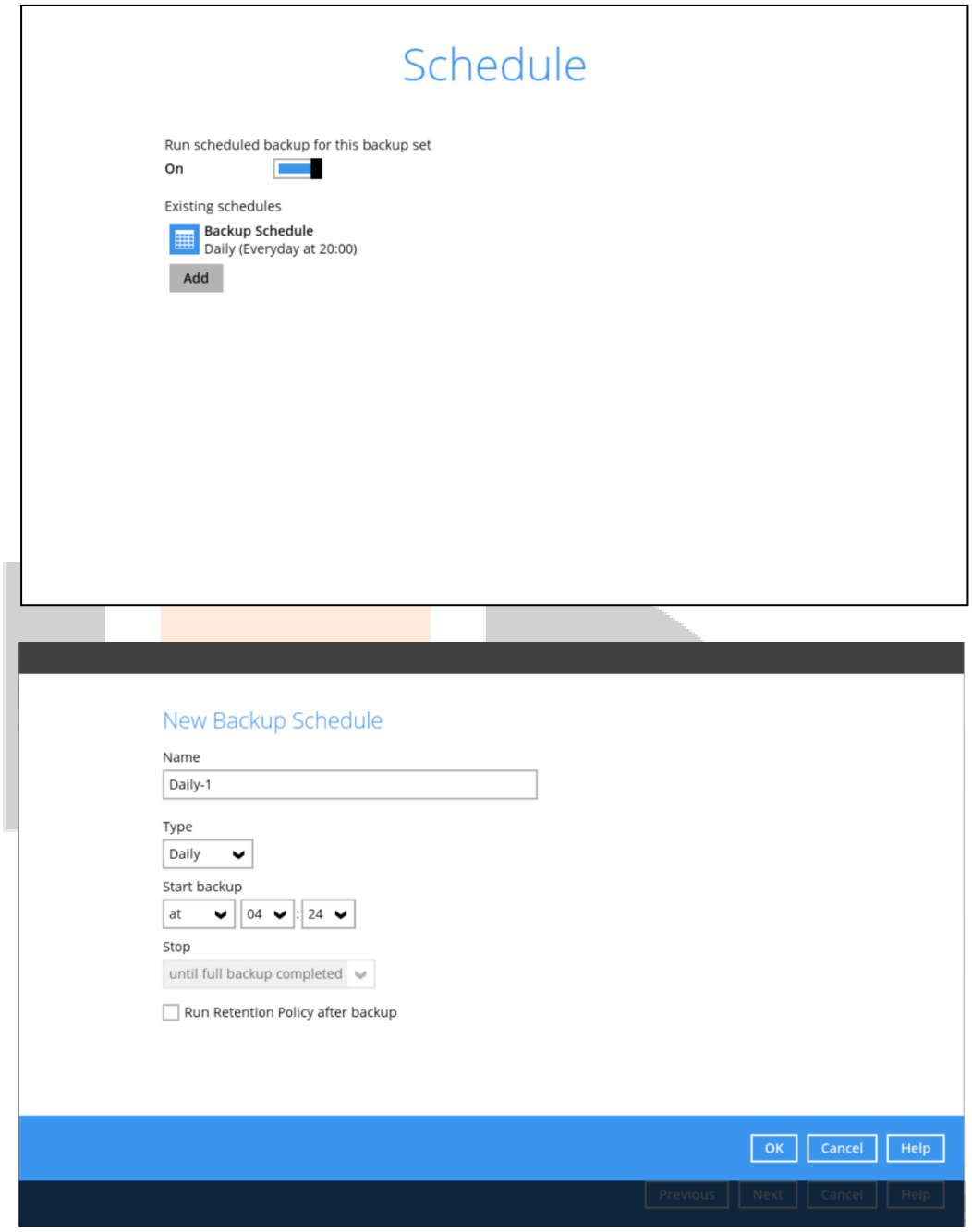


Click **Yes** for Backup247 Advanced Client (B247PRO) to enable the registry entry, or click **No**, then change the storage location setting to another location.

Refer to the following link for the details on the restriction:
FAQ: Restrictions on the temporary storage location for the Windows System State and System backup image file

5. In the **Schedule** window, configure a backup schedule for backup job to run automatically at your specified time interval.

   Click **Add** to add a new schedule.



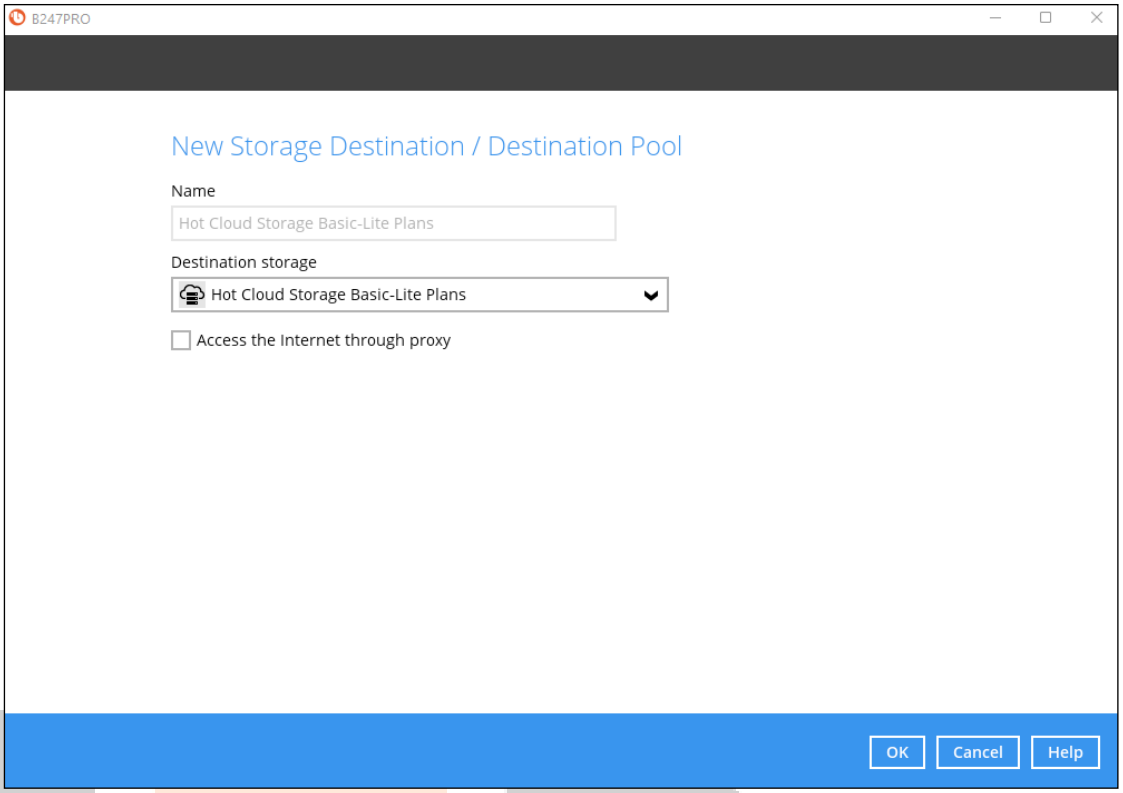
   Click **OK** to continue, and then click **Next** to proceed afterward.

6. In the **Destination** menu, select a backup destination where the backup data will be stored. Click + next to **Add new storage destination / destination pool**.

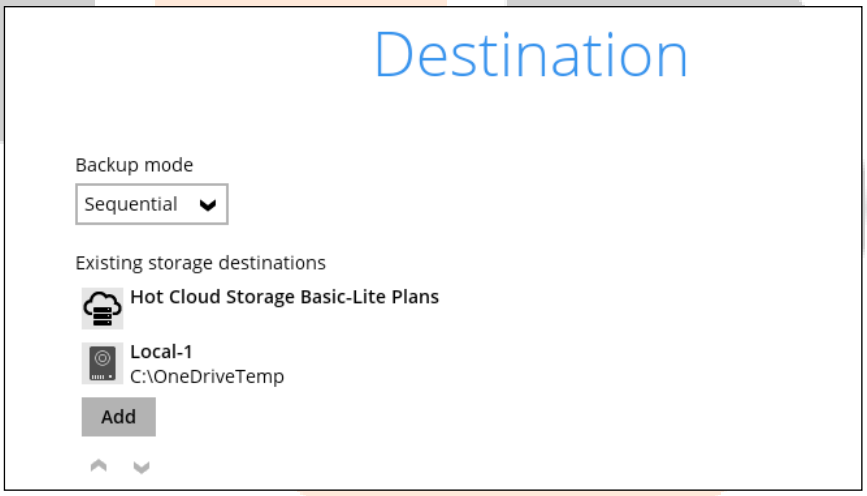
***Note**: For more details on Backup Destination, refer to this link:*
FAQ: Frequently Asked Questions on Backup Destination

For more details on configuration of cloud storage as backup destination, refer to the Appendix A section in this guide.

7. Select the **Destination storage**.

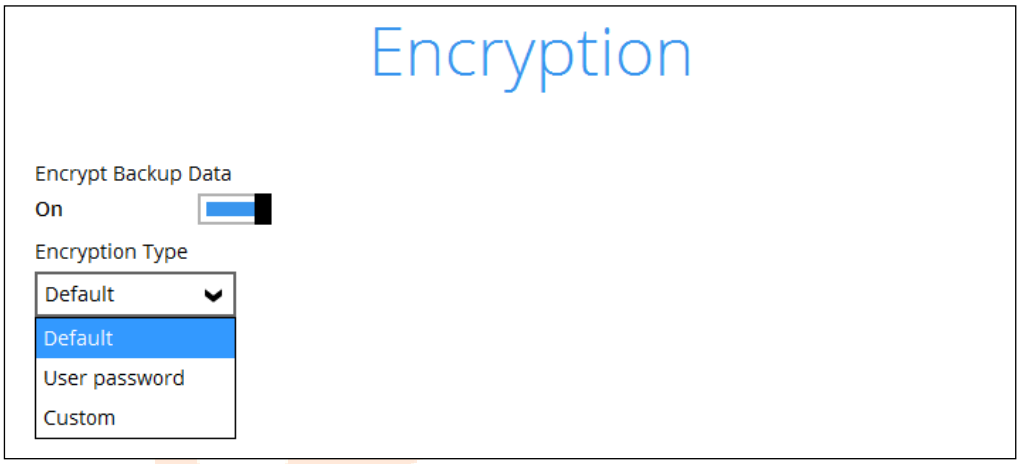


Continue by adding another destination for the backup set or click **Next** to proceed.



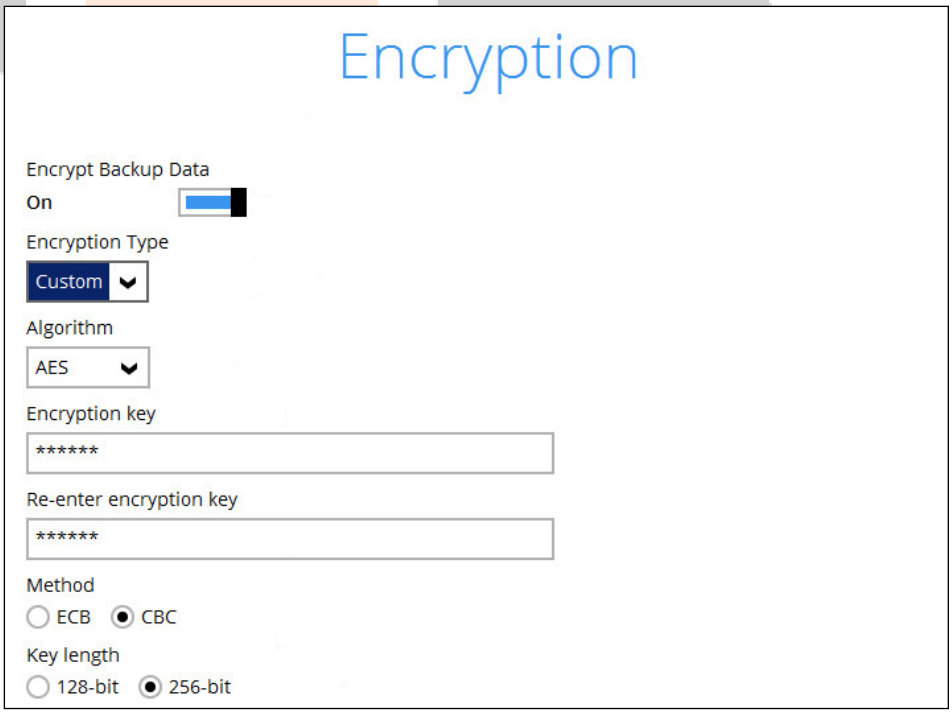
Note: Multiple backup destinations can be configured for a single backup set.

8. In the Encryption window, the default **Encrypt Backup Data** option is enabled with an encryption key preset by the system which provides the most secure protection.



You can choose from one of the following three Encryption Type options:

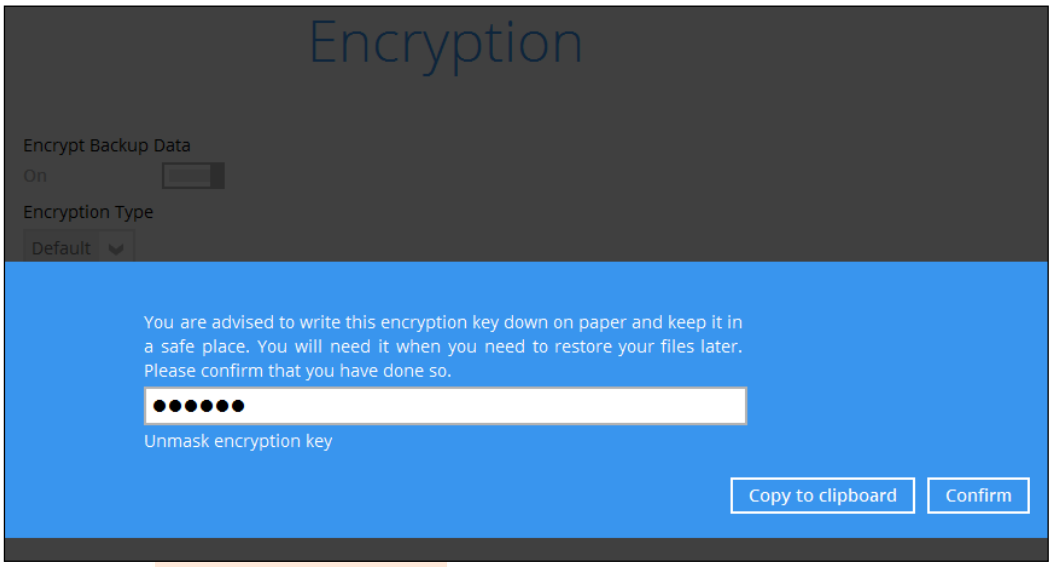
- **Default** – an encryption key with 44 alpha numeric characters will be randomly generated by the system
- **User password** – the encryption key will be the same as the login password of your Backup247 Advanced Client (B247PRO) at the time when this backup set is created. Please be reminded that if you change the Backup247 Advanced Client (B247PRO) login password later, the encryption keys of the backup sets previously created with this encryption type will remain unchanged.
- **Custom** – you can customize your encryption key, where you can set your own algorithm, encryption key, method and key length.



Note: For best practice on managing your encryption key, refer to this link:
FAQ: Best practices for managing encryption key for Backup247 Advanced Client (B247PRO) or Backup247 Standard Backup Suite (B247LITE)

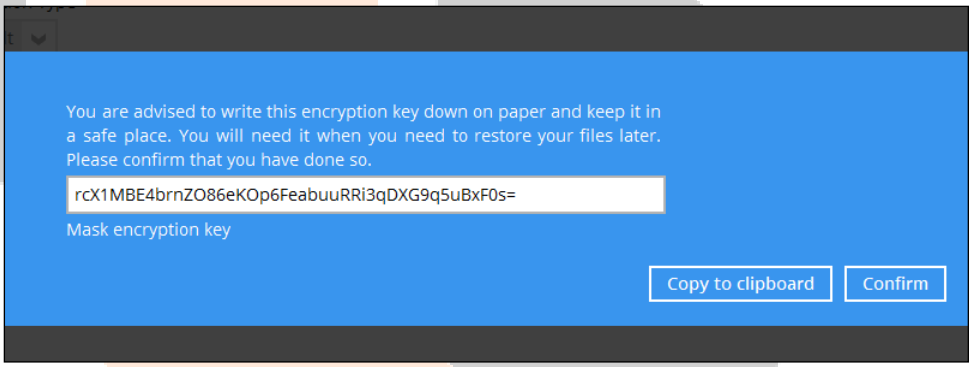
Click **Next** when you are done setting.

9. If you have enabled the **Encryption** feature in the previous step, the following pop-up window will be shown, no matter which encryption type you have selected.



The pop-up window has the following three options to choose from:

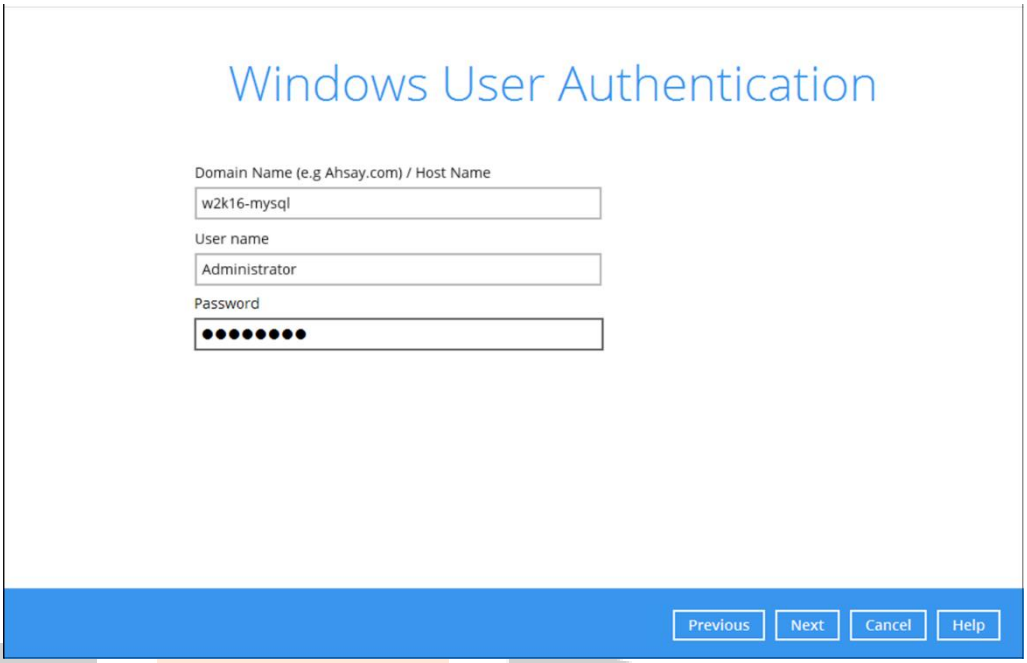
- **Unmask encryption key** – The encryption key is masked by default. Click this option to show the encryption key.



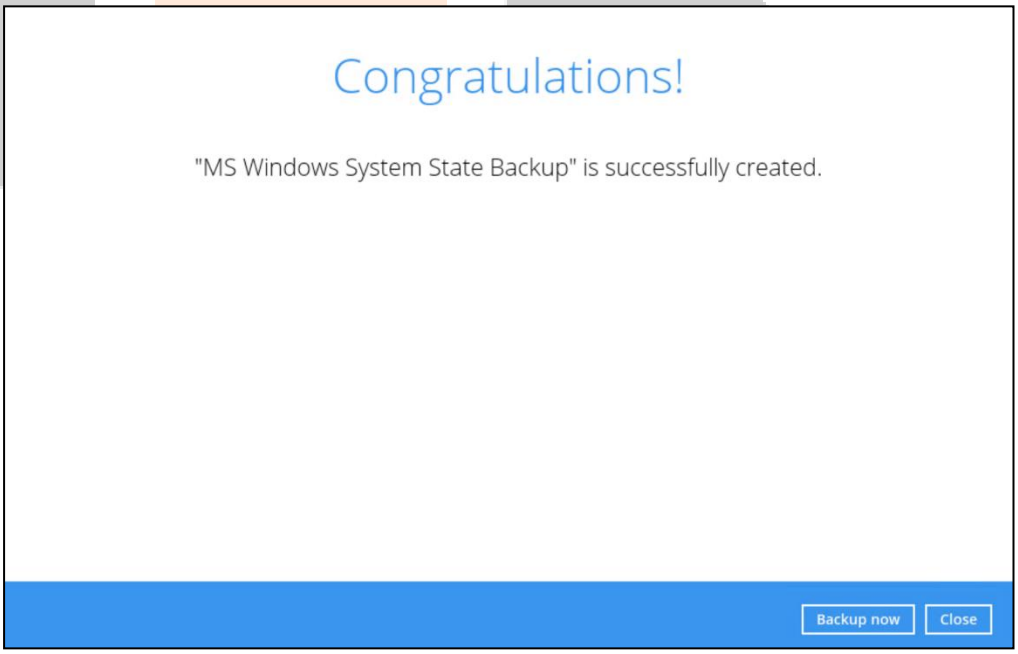
- **Copy to clipboard** – Click to copy the encryption key, then you can paste it in another location of your choice.

- **Confirm** – Click to exit this pop-up window and proceed to the next step.

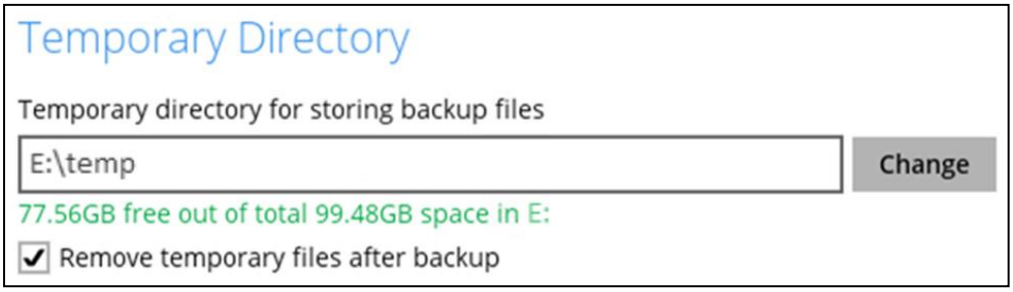
10. Enter the **Domain Name / Host Name** of the computer, **User Name** and **Password** of the Windows account that will be running the backup. Click **Next** to create the backup set.



11. The following screen is displayed when the new MS Windows System State backup set is created successfully.



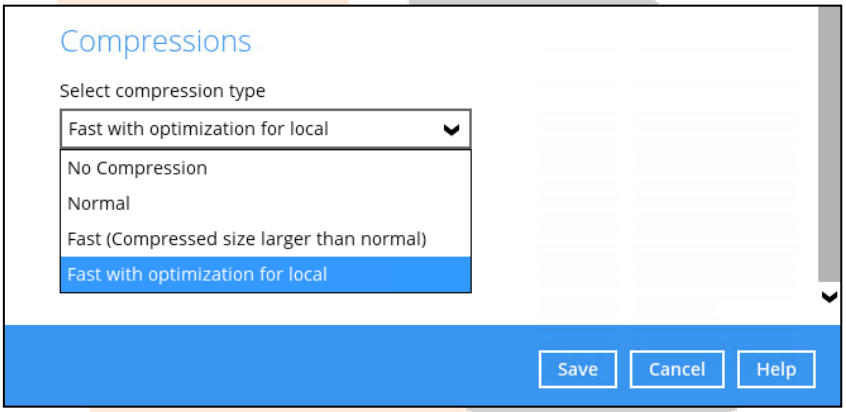
12. It is highly recommended to set the temporary directory to another location other than Drive C: (e.g. Drive E:). To do this, go to **Backup Sets > Others > Temporary Directory** and click the **Change** button to browse for another location.



13. Optional: Select your preferred **Compression** type. By default, the compression type is Fast with optimization for local.

    Go to **Others > Compressions**, then select from the following:

- No Compression
- Normal
- Fast (Compressed size larger than normal)
- Fast with optimization for local

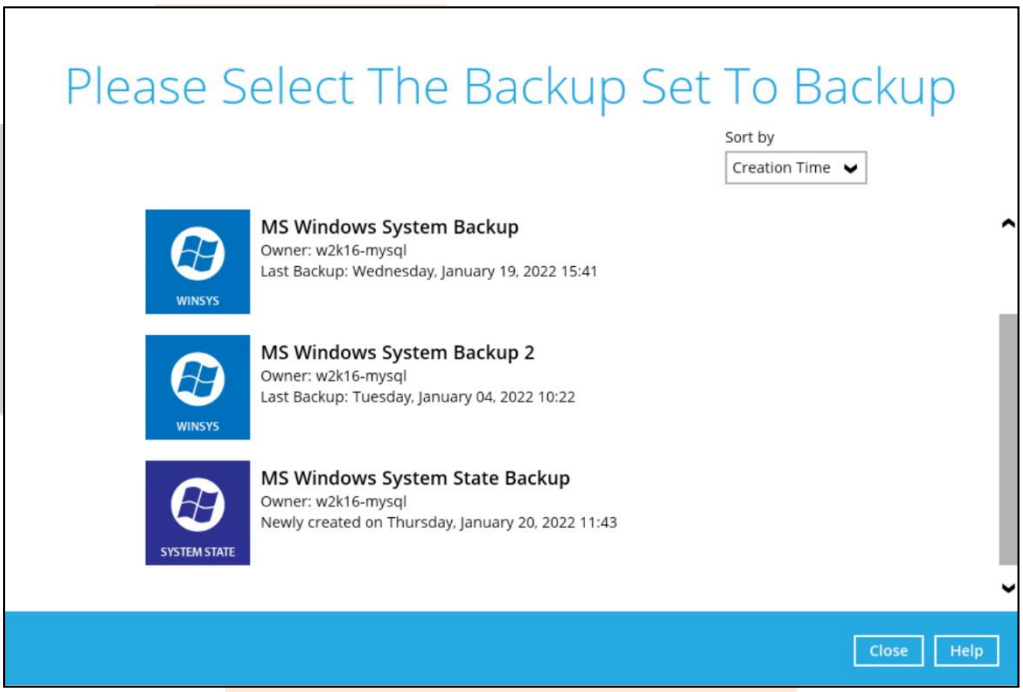


4 Running a Backup

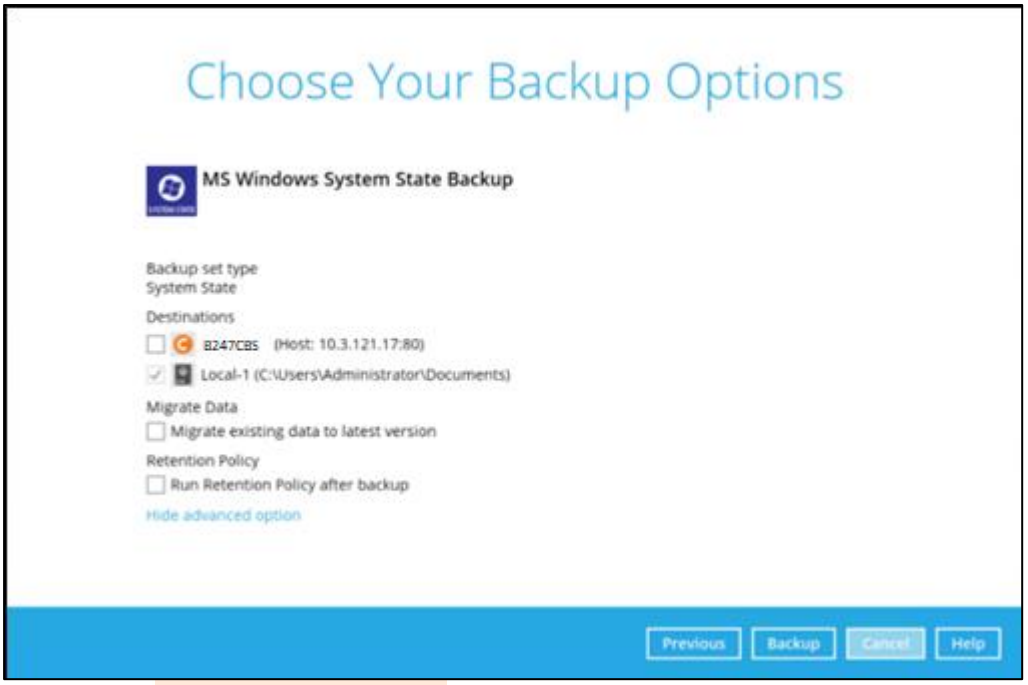
4.1 Start a Manual Backup

1. Click the **Backup** icon on the main interface of Backup247 Advanced Client (B247PRO).

2. Select the backup set which you would like to start a backup for.



3. If you would like to modify the Destinations, Migrate Date, and Retention Policy settings, click **Show advanced option**.

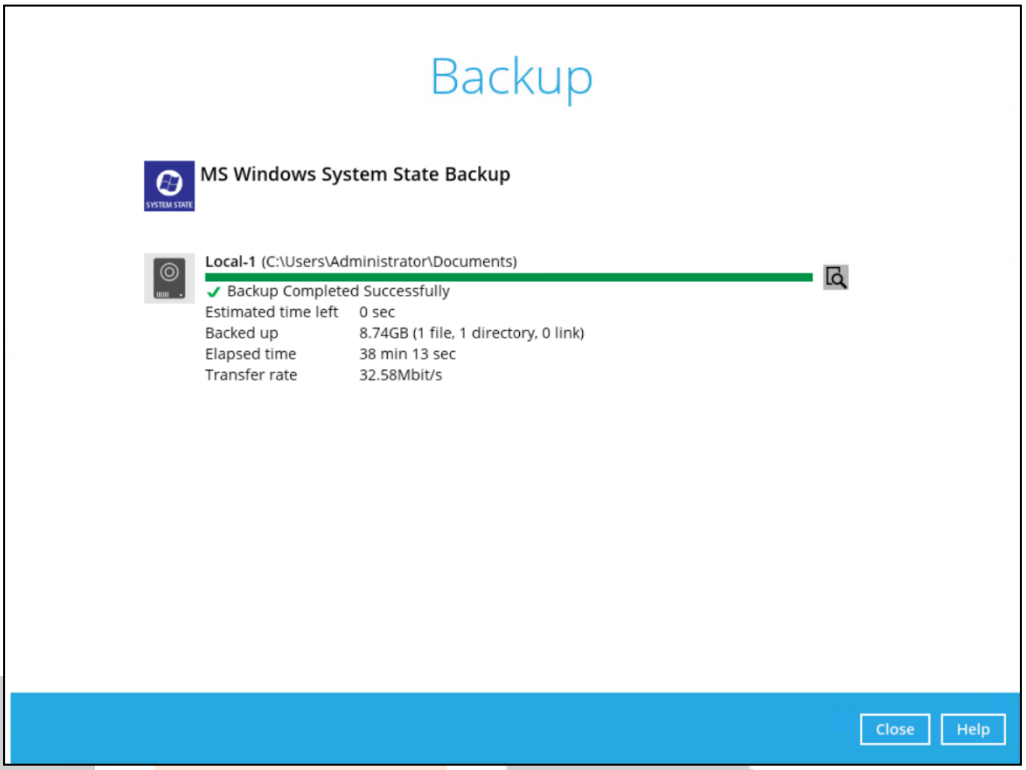


Click **Backup** to start the backup job.

NOTE

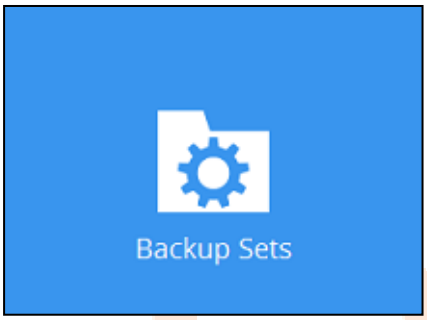
The Migrate Data option will only be displayed if Deduplication is enabled for the backup set. When the Migrate Data option is enabled, the existing data will be migrated to the latest version during a backup job. This option is disabled by default. Backup job(s) for backup sets with Migrate Data enabled may take longer to finish. For more information about this feature, refer to Backup247 CBS v9 New Features Supplemental document.

4. The following screen is displayed when the system state data are backed up successfully.

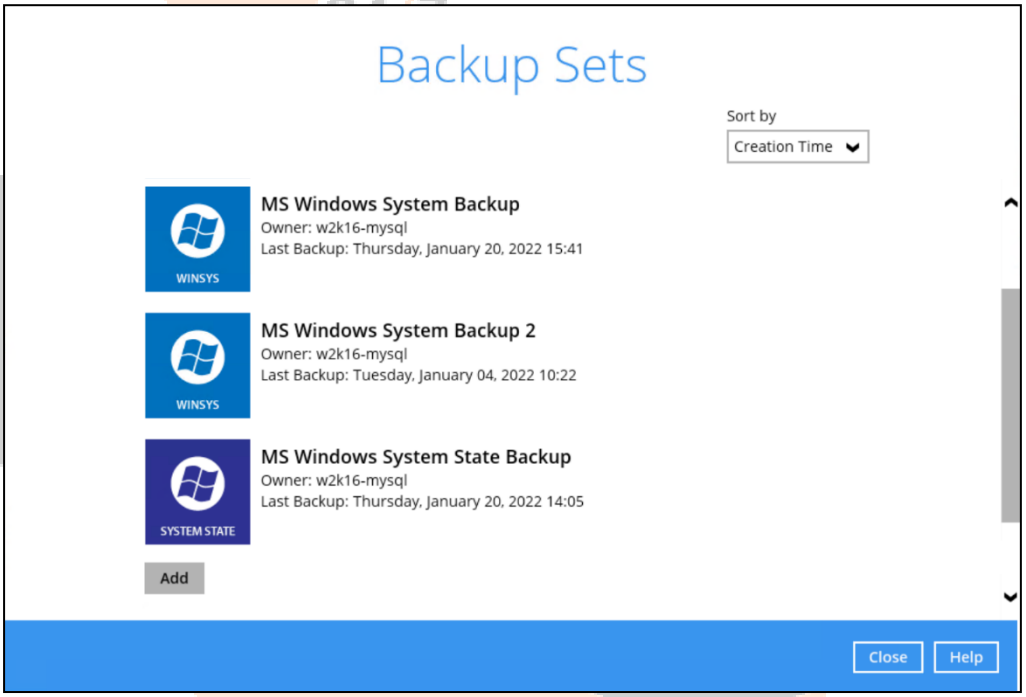


4.2 Configure Backup Schedule for Automated Backup

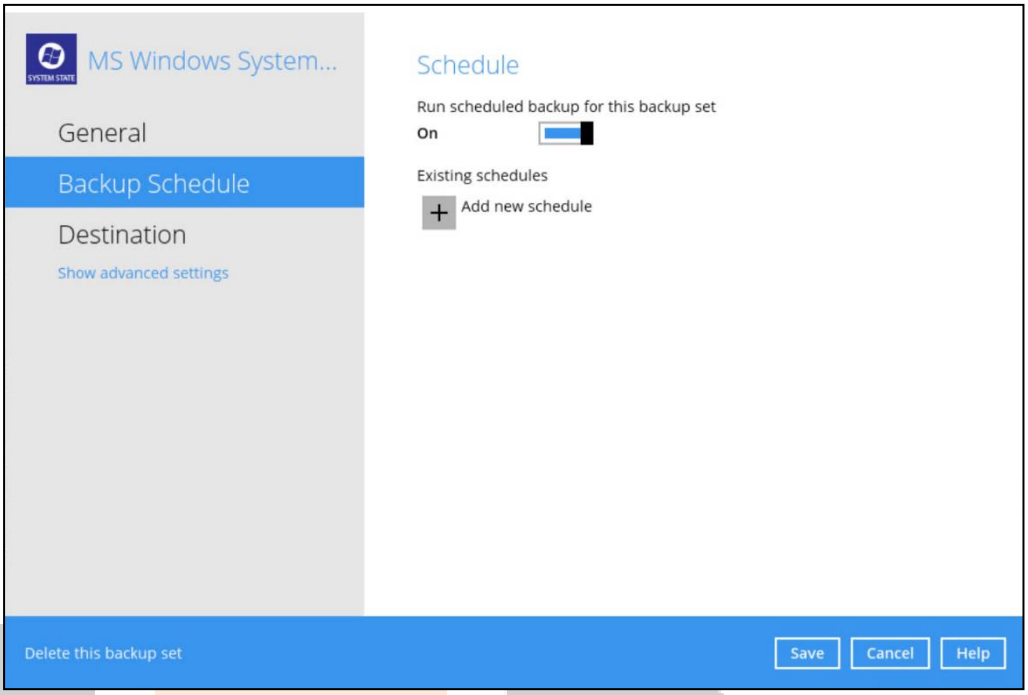
1. Click the **Backup Sets** icon on the main interface of Backup247 Advanced Client (B247PRO).



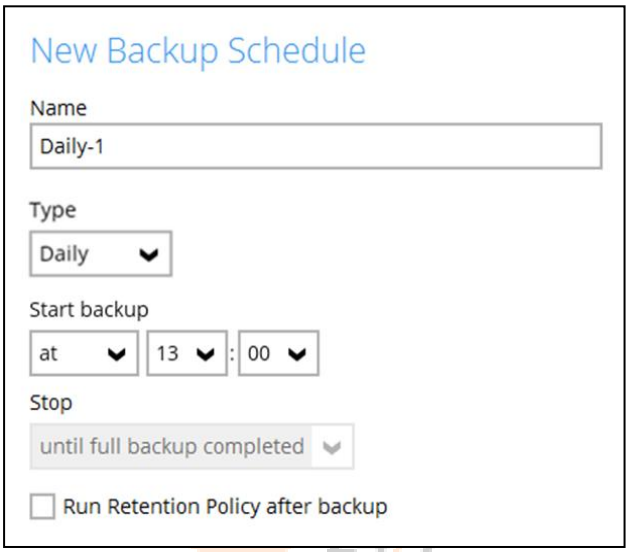
2. All backup sets will be listed. Select the backup set that you would like to create a backup schedule for.



3. Go to the **Backup Schedule** tab. If the **Run scheduled backup for this backup set** option is off, switch it **On**. Existing schedule will be listed by default. Click the **Add** button to add a new backup schedule.

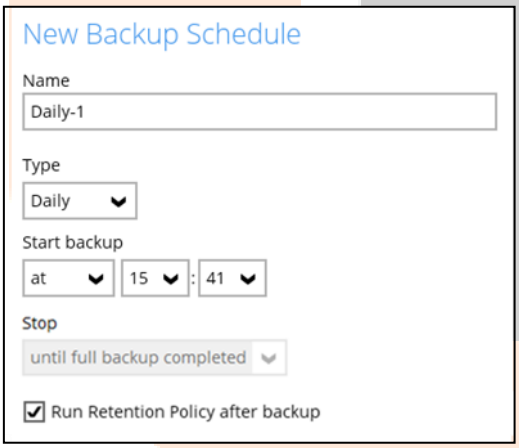


4. The New Backup Schedule window will appear.

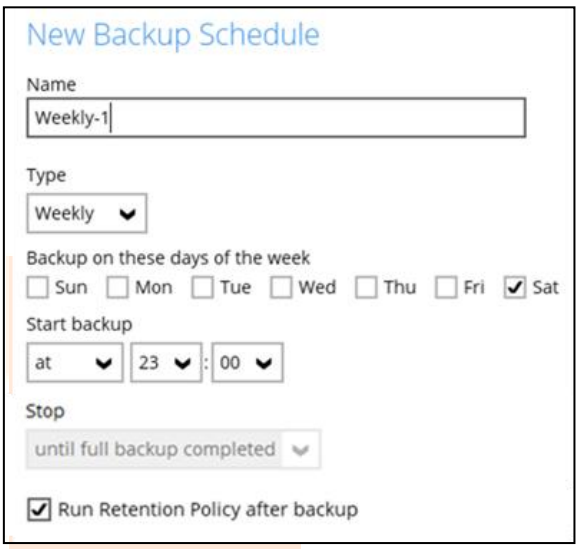


1. In the New Backup Schedule window, configure the following backup schedule settings.

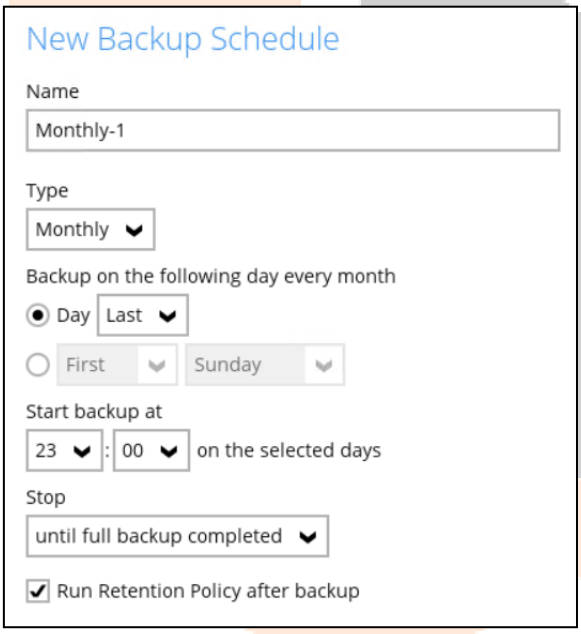
- **Name** – the name of the backup schedule.
- **Type** – the type of backup schedule. There are four (4) different types of backup schedule: Daily, Weekly, Monthly and Custom.
  - **Daily** – the time of the day or interval in minutes/hours which the backup job will run.



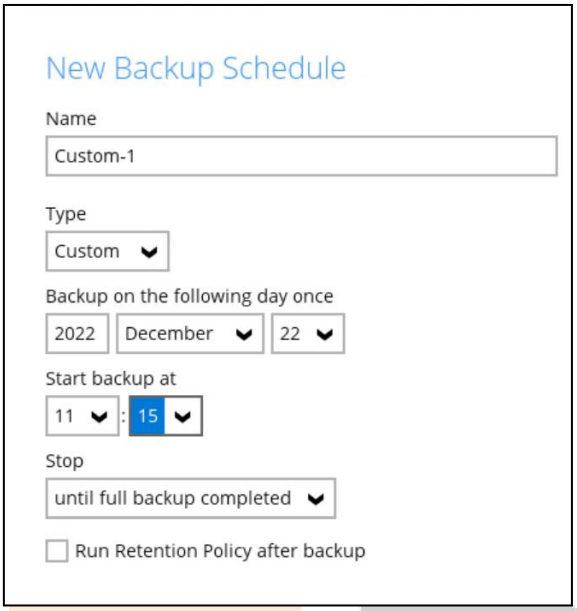
- **Weekly** – the day of the week and the time of the day or interval in minutes/hours which the backup job will run.



- **Monthly -** the day of the month and the time of that day which the backup job will run.

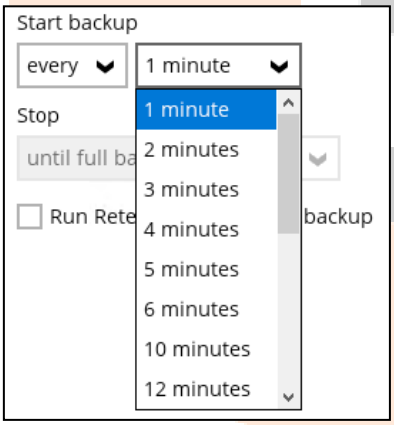


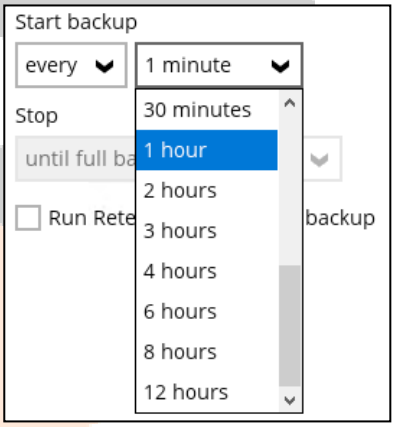
- **Custom** – a specific date and the time of that date which the backup job will run.



Start backup – the start time of the backup job.

- **at** – this option will start a backup job at a specific time.
- **every** – this option will start a backup job in intervals of minutes or hours.





- **Stop** – the stop time of the backup job. This only applies to schedules with start backup “at” and is not supported for periodic backup schedule (start backup “every”)

  - **until full backup completed** – this option will stop a backup job once it is complete. This is the configured stop time of the backup job by default.

  - **after (defined no. of hrs.)** – this option will stop a backup job after a certain number of hours regardless of whether the backup job has completed or not. This can range from 1 to 24 hrs.

    The number of hours must be enough to complete a backup of all files in the backup set. For small files in a backup, if the number of hours is not enough to back up all files, then the outstanding files will be backed up in the next backup job. However, if the backup set contains large files, this may result in partially backed up files.

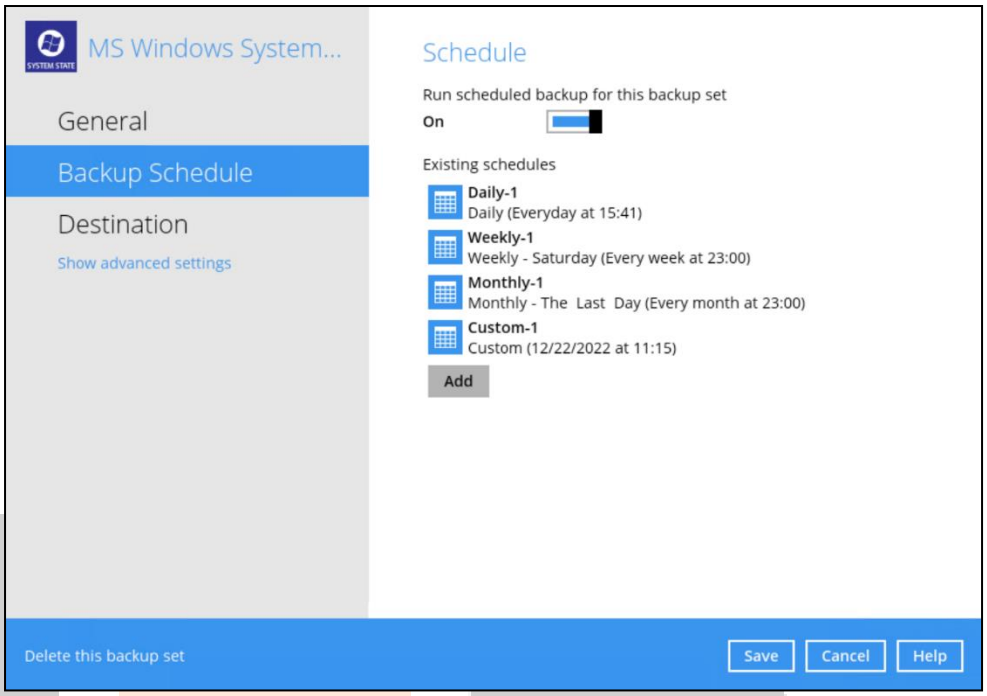
    For example, if a backup has 100GB file size which will take approximately 15 hours to complete on your environment, but you set the “stop” after 10 hours, the file will be partially backed up and cannot be restored. The next backup will upload the files from scratch again.

    The partially backed up data will have to be removed by running the data integrity check.

    As a general rule, it is recommended to review this setting regularly as the data size on the backup machine may grow over time.

- **Run Retention Policy after backup** – if enabled, the Backup247 Advanced Client (B247PRO) will run a retention policy job to remove files from the backup destination(s) which have exceeded the retention policy after performing a backup job. To save hard disk quote in the long run, it is recommended to enable this option.

As an example, the four types of backup schedules may look like the following:



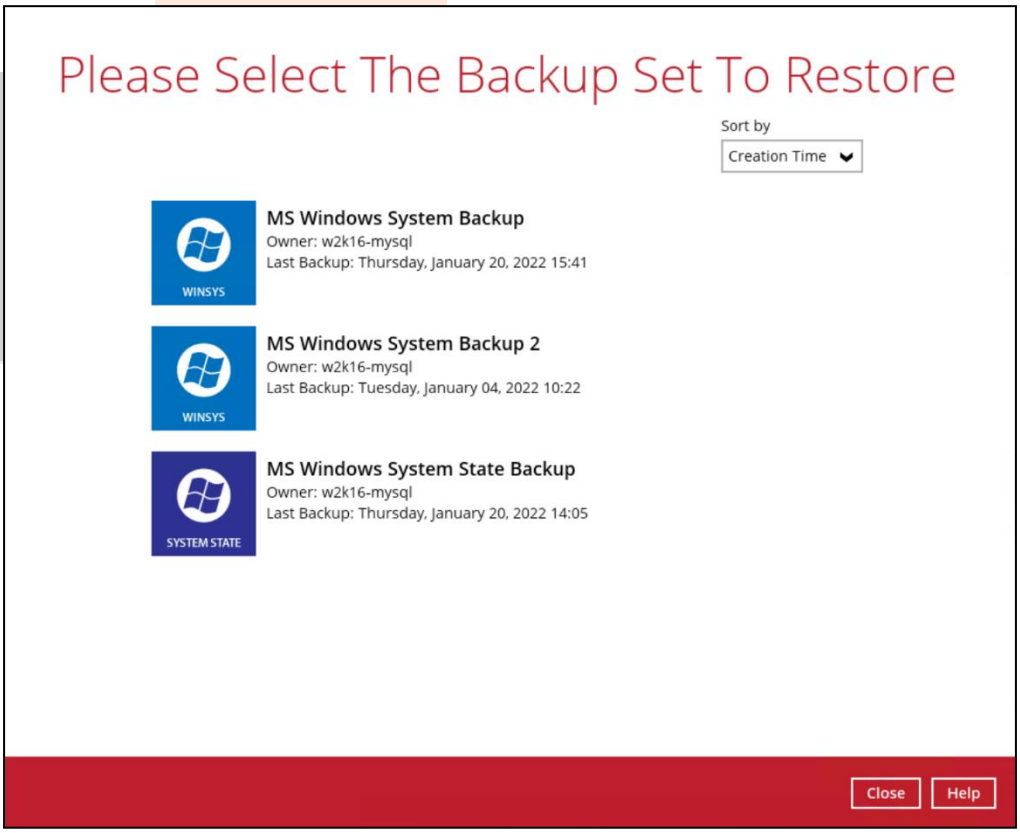
Click **Save** to confirm your settings once done.

5 Restore with a Microsoft Windows System Backup Set

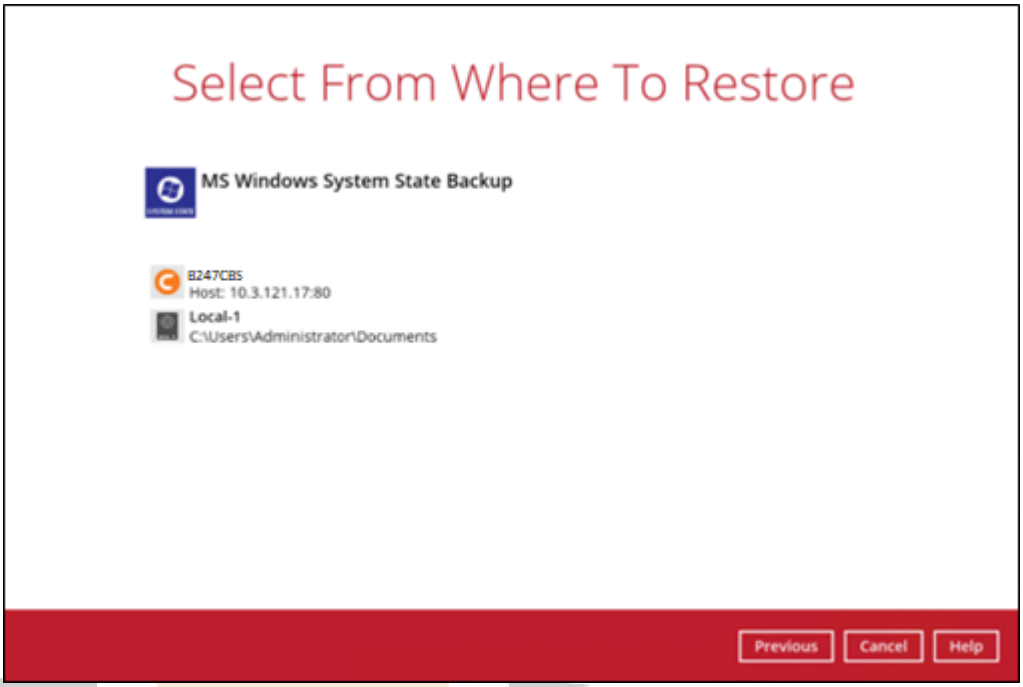
5.1 Restore the System State Data

1. Click the **Restore** icon on the main interface of Backup247 Advanced Client (B247PRO).

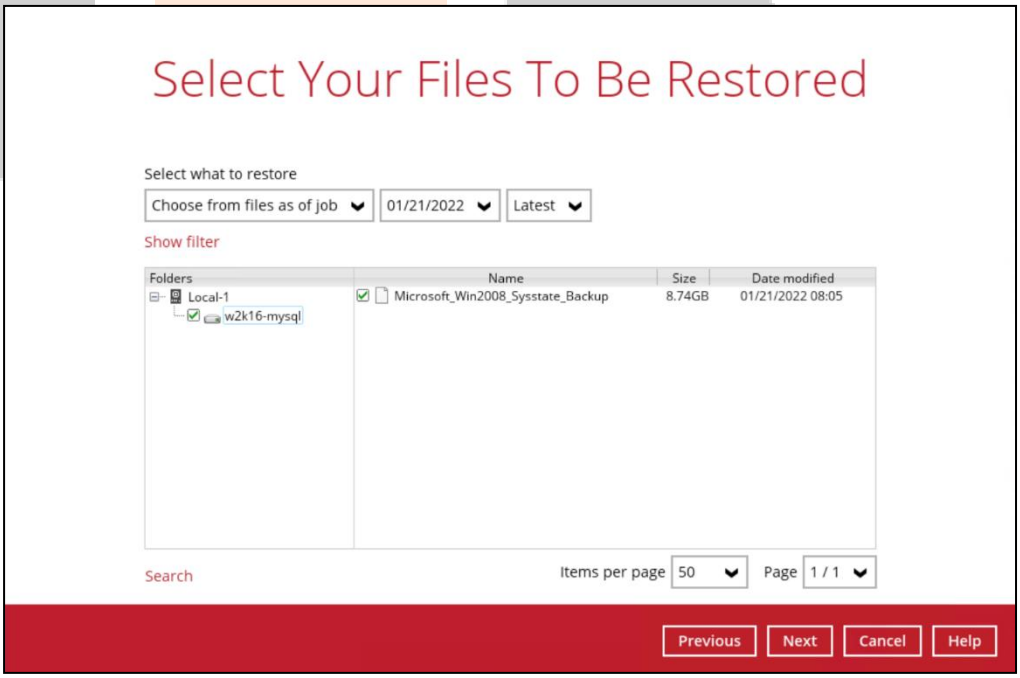
1. Select the backup set that you would like to restore the system state data from.



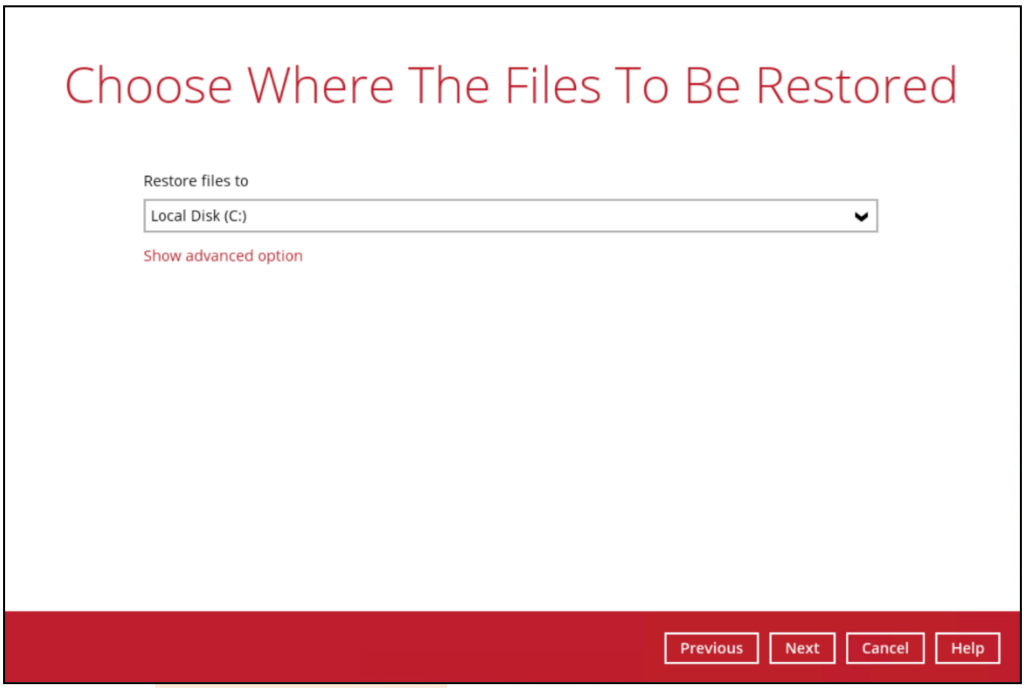
2. Select the backup destination that contains the system state data that you would like to restore.

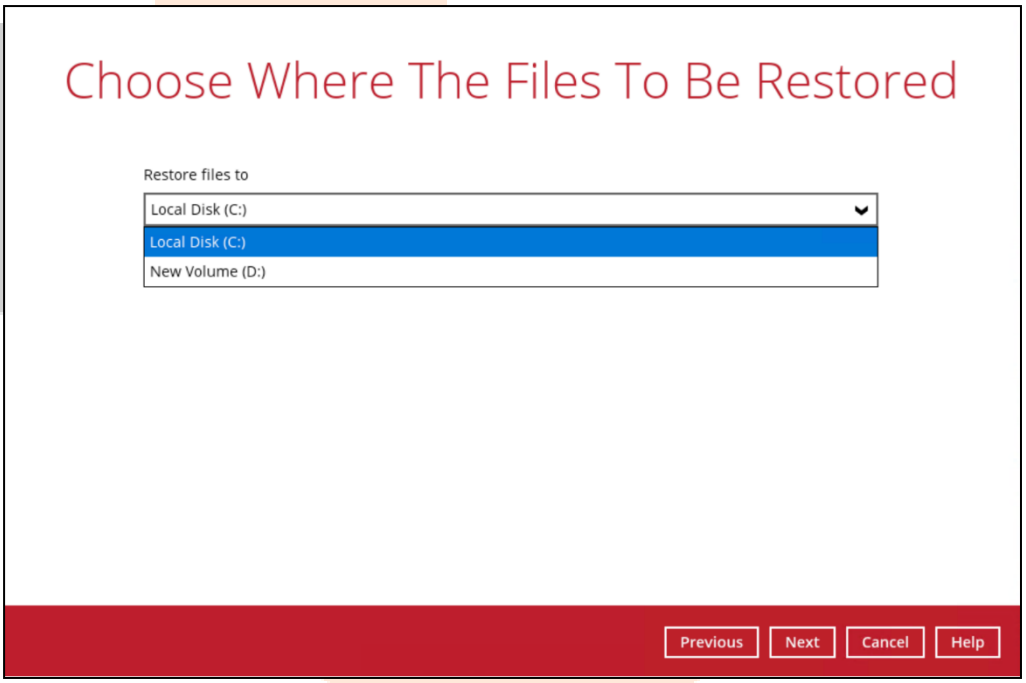


3. Select to restore from a specific backup job, or the latest job available from the **Select what to restore** drop down menu. Click **Next** to proceed.

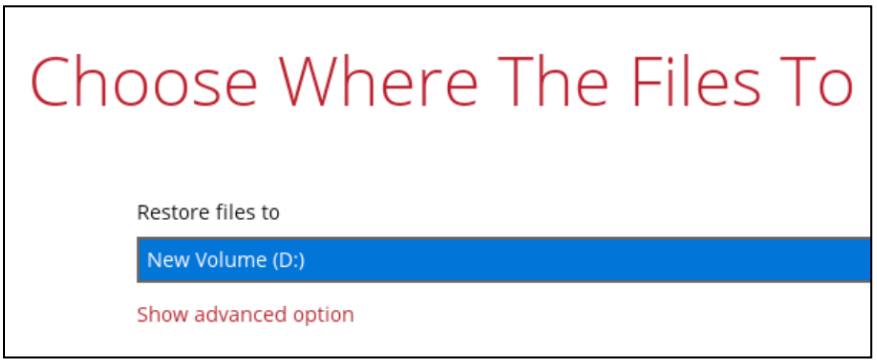


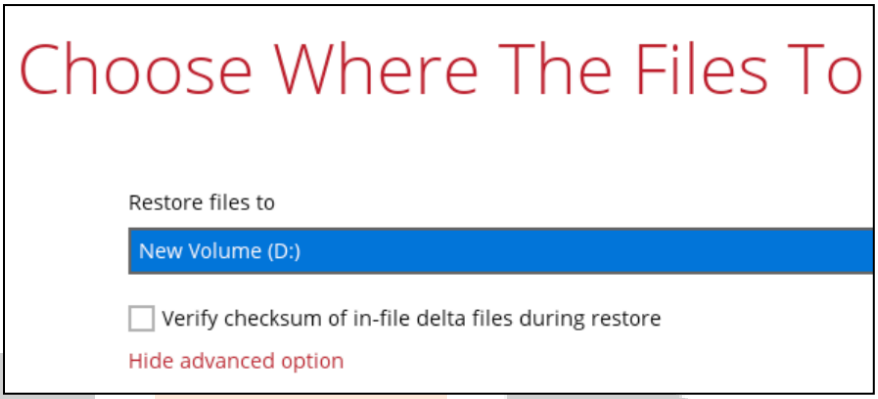
4. Select the location to restore the system state data to by clicking the arrow down icon.





Click **Show advanced option** to configure other restore settings.

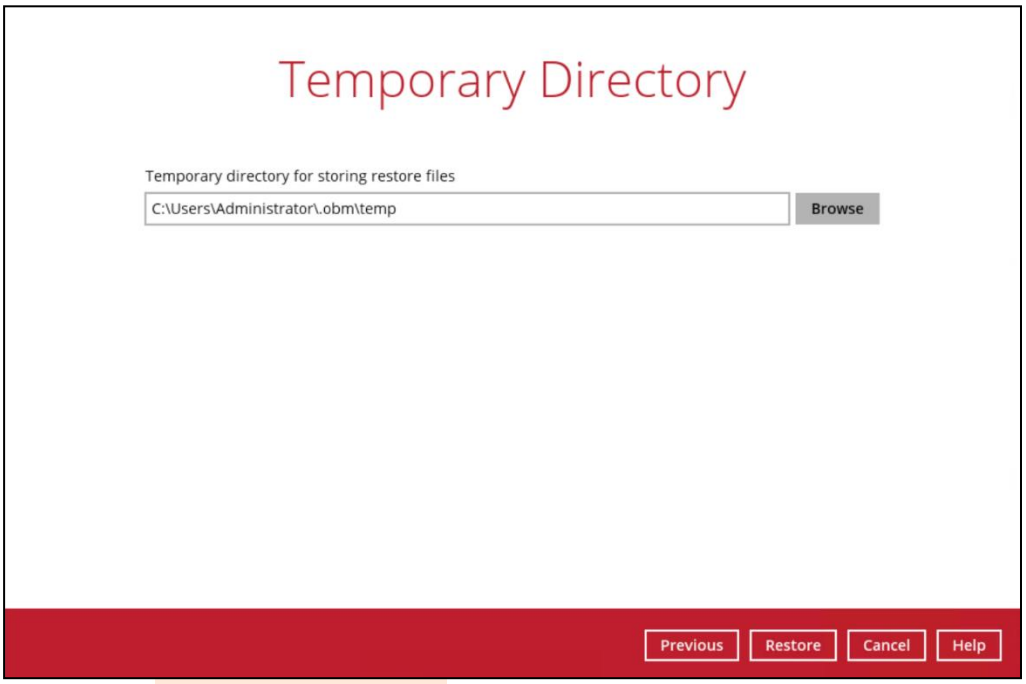




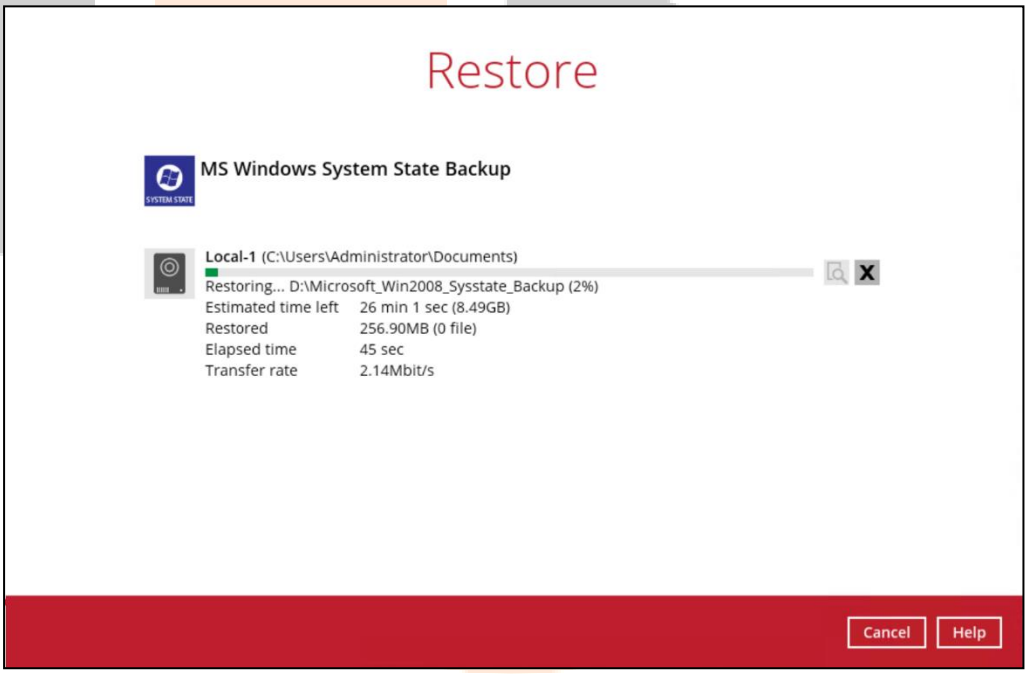
- **Verify checksum of in-file delta files during restore**

  By enabling this option, the checksum of in-file delta files will be verified during the restore process. This will check the data for errors during the restore process and create a data summary of the in-file delta files which will be included in the report.

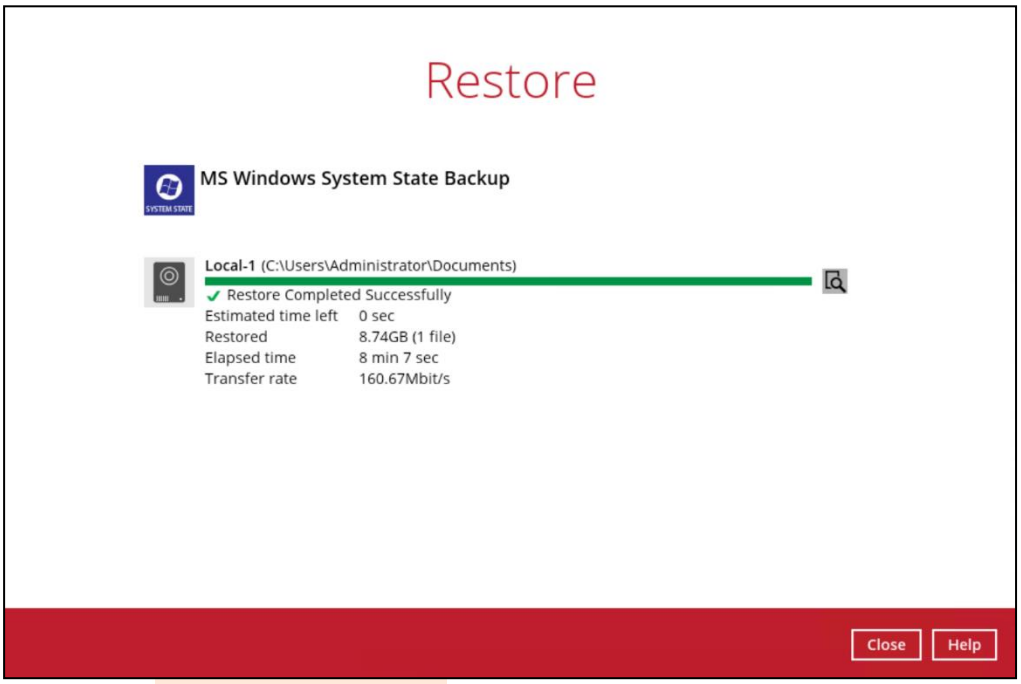
5. Select the temporary directory for storing temporary files.



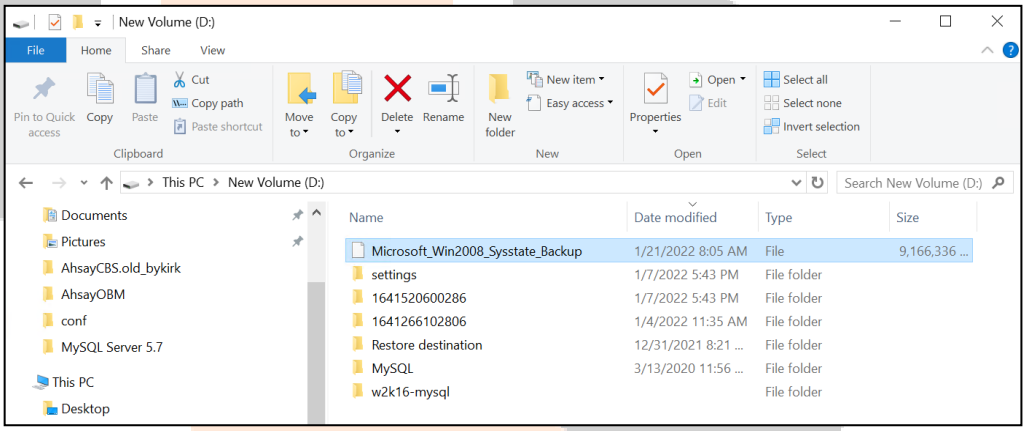
6. Click **Restore** to start the restoration.



7. The following screen is displayed when the system state data is restored successfully.



8. Go to the restore location you have selected and copy the file to the server that you want to perform the restore for, or to a network drive that is accessible to the server.



9. Continue to the next section of the guide.

5.2 Apply the System State Data

Before you begin, make sure that the system state data restored with Backup247 Advanced Client (B247PRO) are copied to a local disk (where you will perform the restore), or in a remote shared folder.

For Windows Server 2008 R2 or later, you can use the Recovery Wizard in Windows Server Backup or wbadmin command to recover the system state.

For Windows Server 2008, you can only use the wbadmin command to recover the system state.

For instructions specific to recovering Active Directory Domain Services, see http://go.microsoft.com/fwlink/?LinkId=143754

Note: Refer to the following page for syntax of the Wbadmin command: http://go.microsoft.com/fwlink/?LinkId=140216

To determine what can be recovered from your restored system state data, enter the following command in an elevated command prompt:

```
wbadmin get versions
[-backupTarget:{<BackupTargetLocation> | <NetworkSharePath>}]
```

Example (system state restored to G: volume):

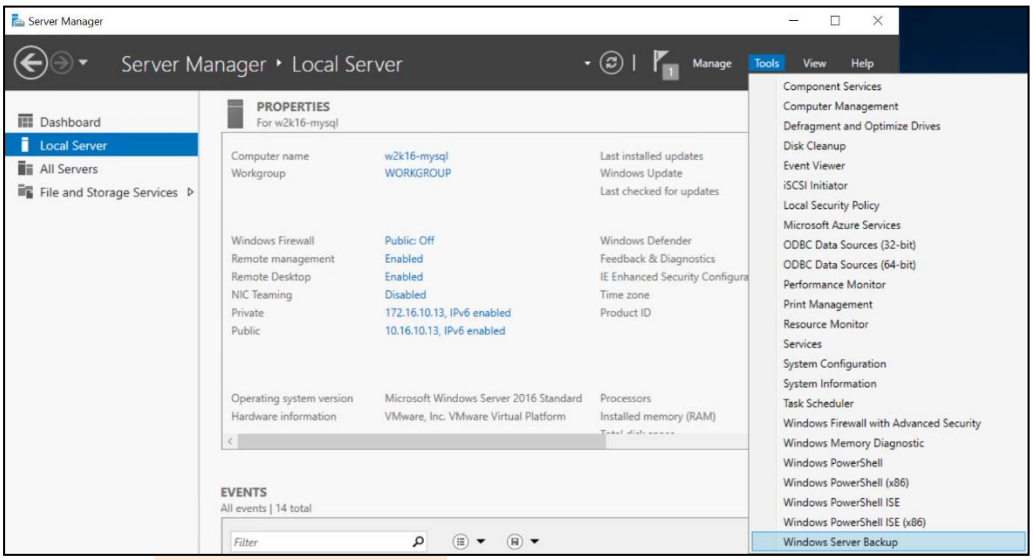
```
C:\Users\Administrator>wbadmin get versions -backupTarget:g:
wbadmin 1.0 - Backup command-line tool
(C) Copyright 2012 Microsoft Corporation. All rights reserved.


Backup time: 01/21/2022 8:05 AM
Backup target: 1394/USB Disk labeled Volume 3(G:)
Version identifier: 01/21/2022-08:05
Can recover: Volume(s), File(s), Application(s), Bare Metal
Recovery, System State
Snapshot ID: {feb9079c-9459-4034-908f-7b5a9b0bb1e5}
```

NOTE

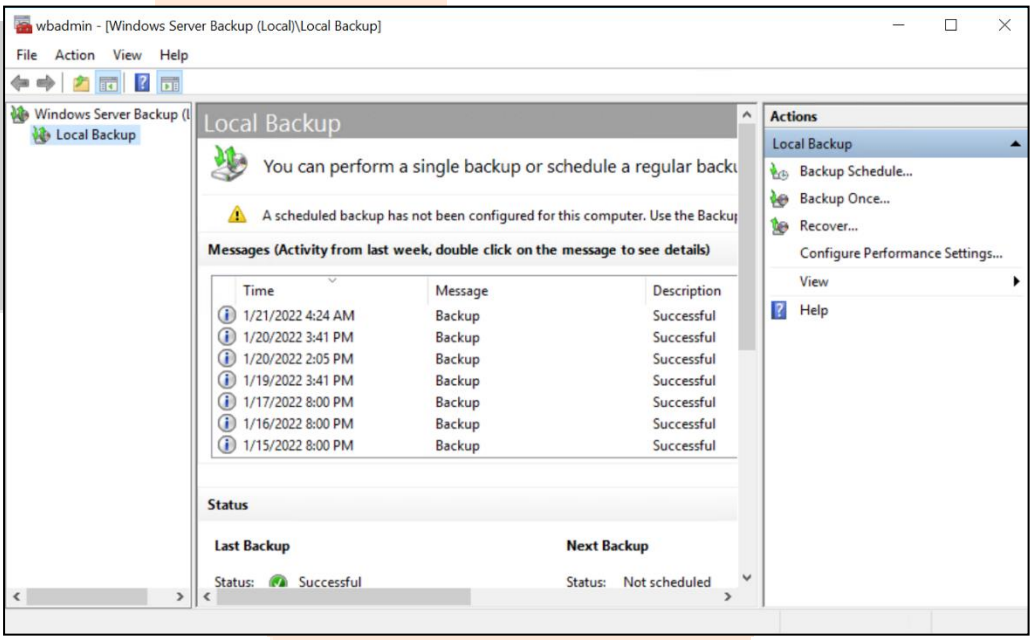
File and folder recovery is not possible from a system state backup performed on Windows Server 2008.

To recover the system state using the Windows Server Backup user interface.

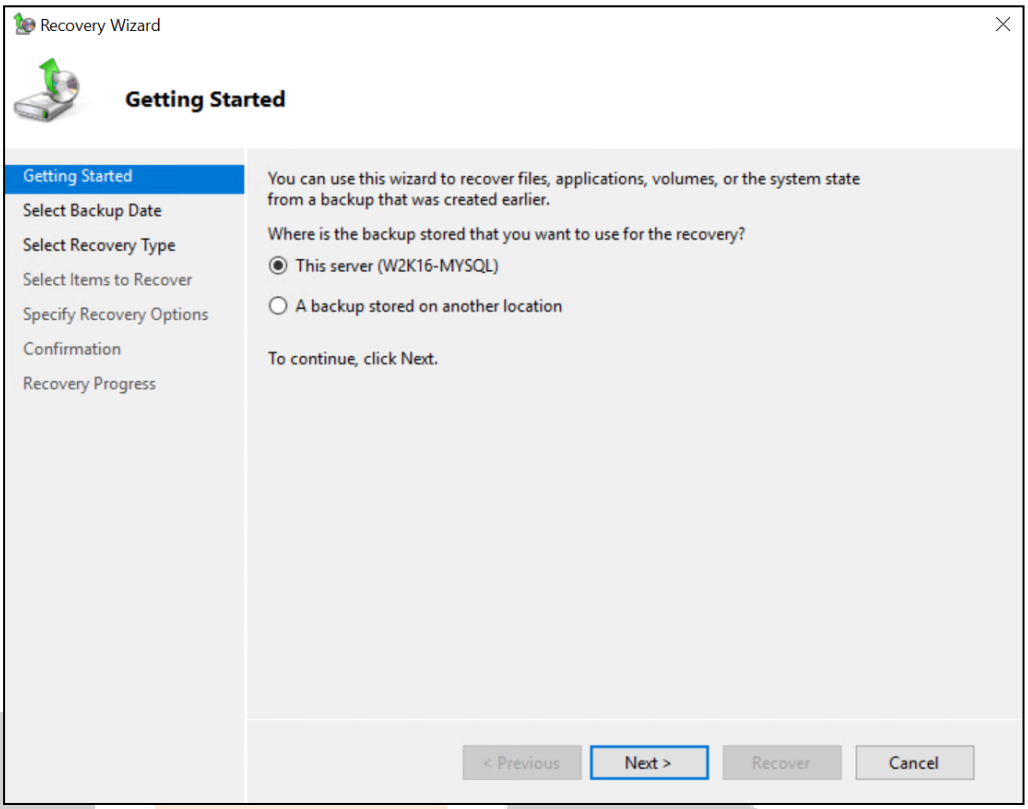
1. Open **Windows Server Backup** from **Administrative Tools** or **Server Manager**.



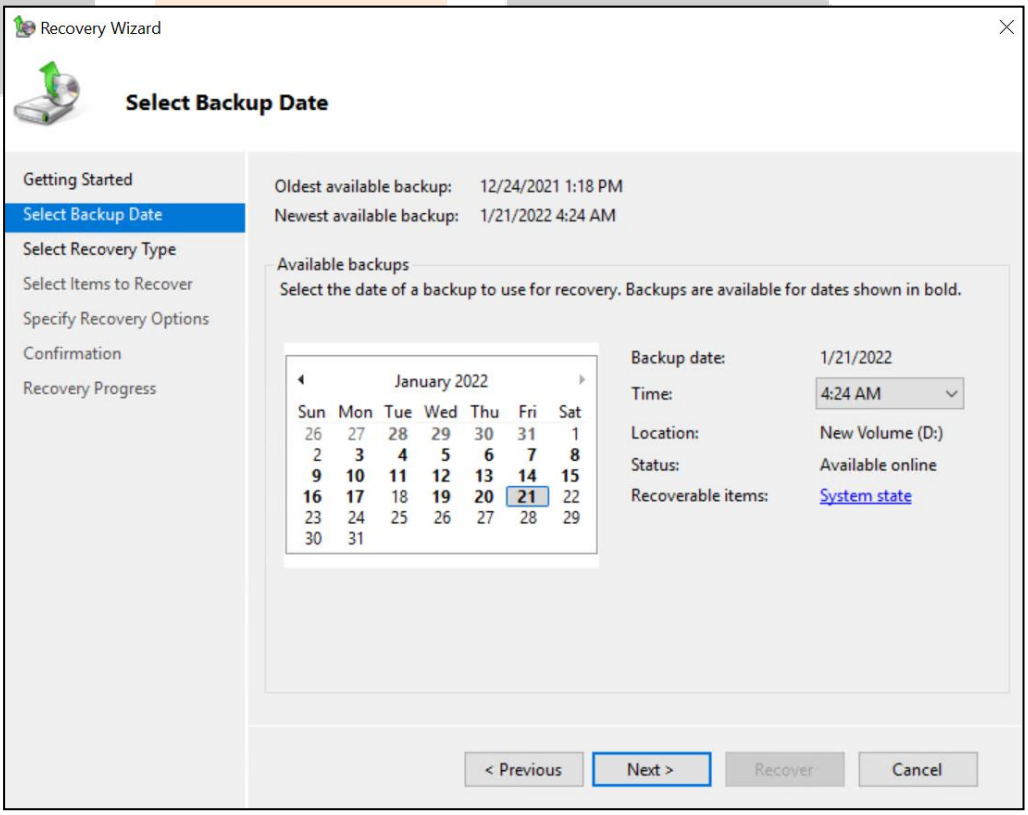
2. In the **Actions** panel under Windows Server Backup, click **Recover...**



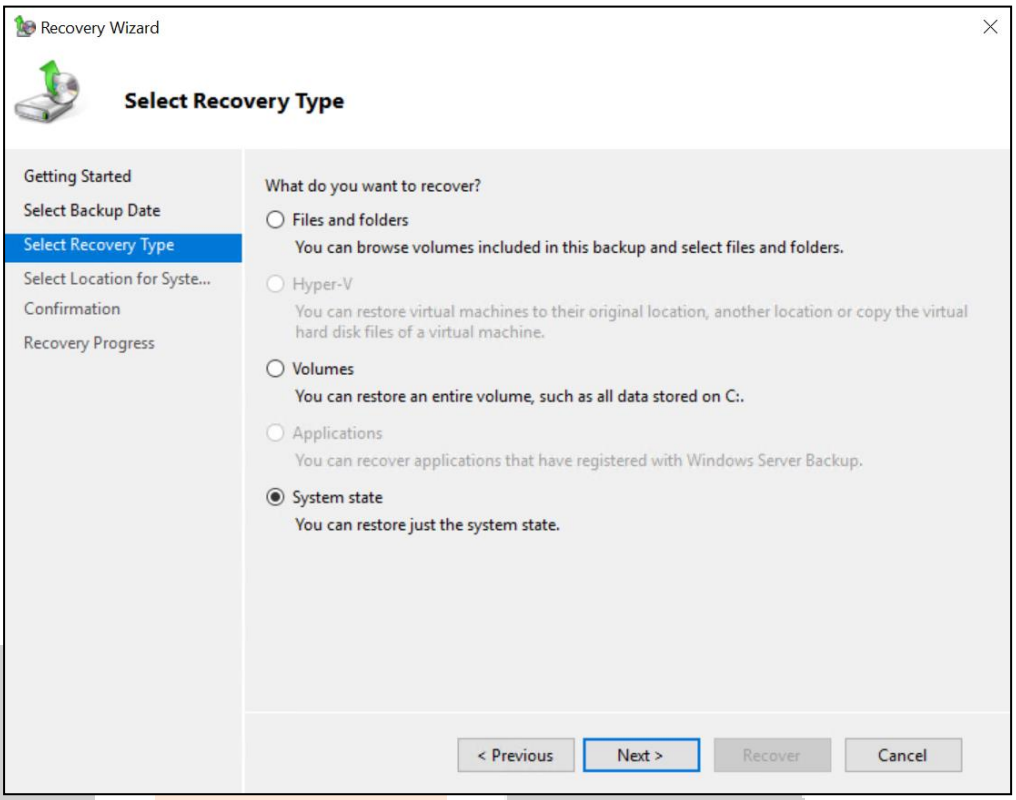
3. On the **Getting Started page**, select **This server**, then click **Next**.



4. On the **Select Backup Date** page, select the point in time of the backup you want to restore from. Click **Next**.



5. On the **Select Recovery Type** page, select **System state**. Click **Next**.

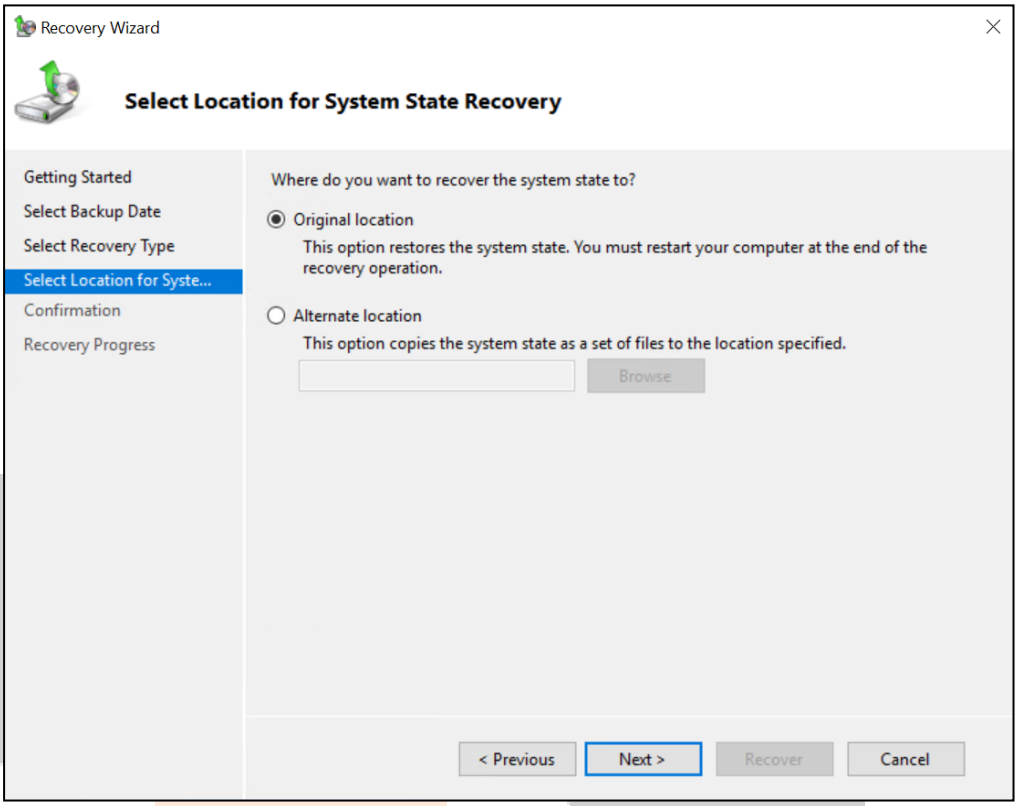


6. On the **Select Location for System State Recovery** page, select

- **Original location**, to restore the system state to the same physical computer from which the system state backup was created

  Or

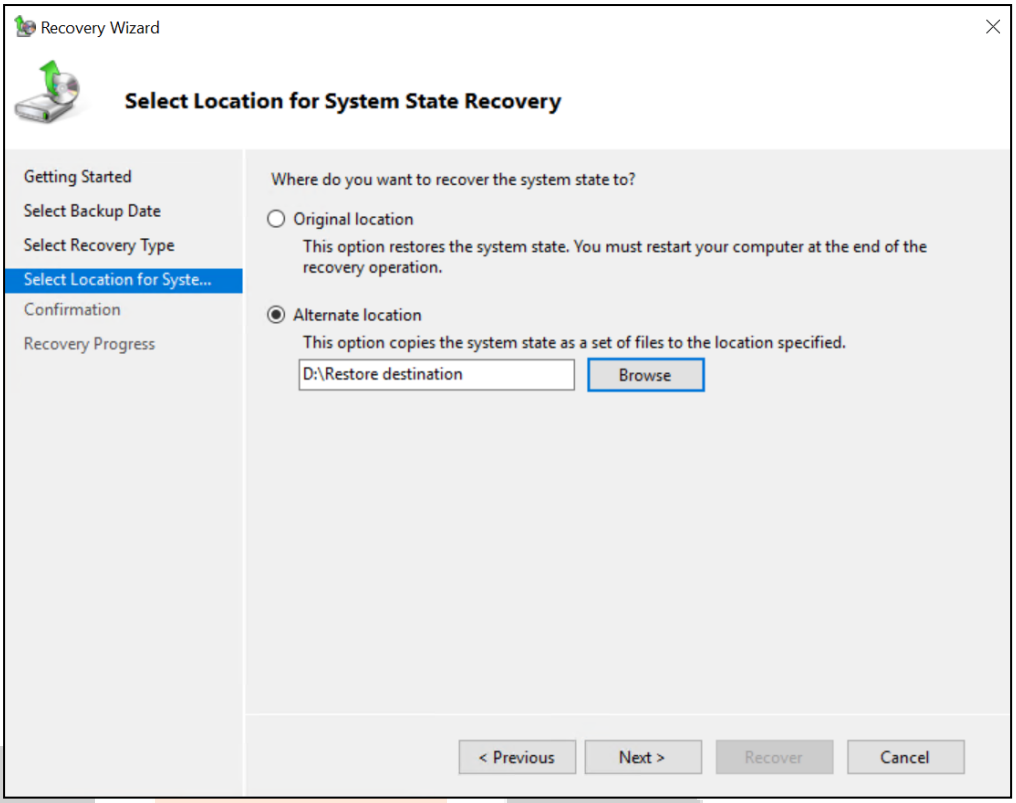
- **Alternate location**, to restore a copy of the system state as a set of files.



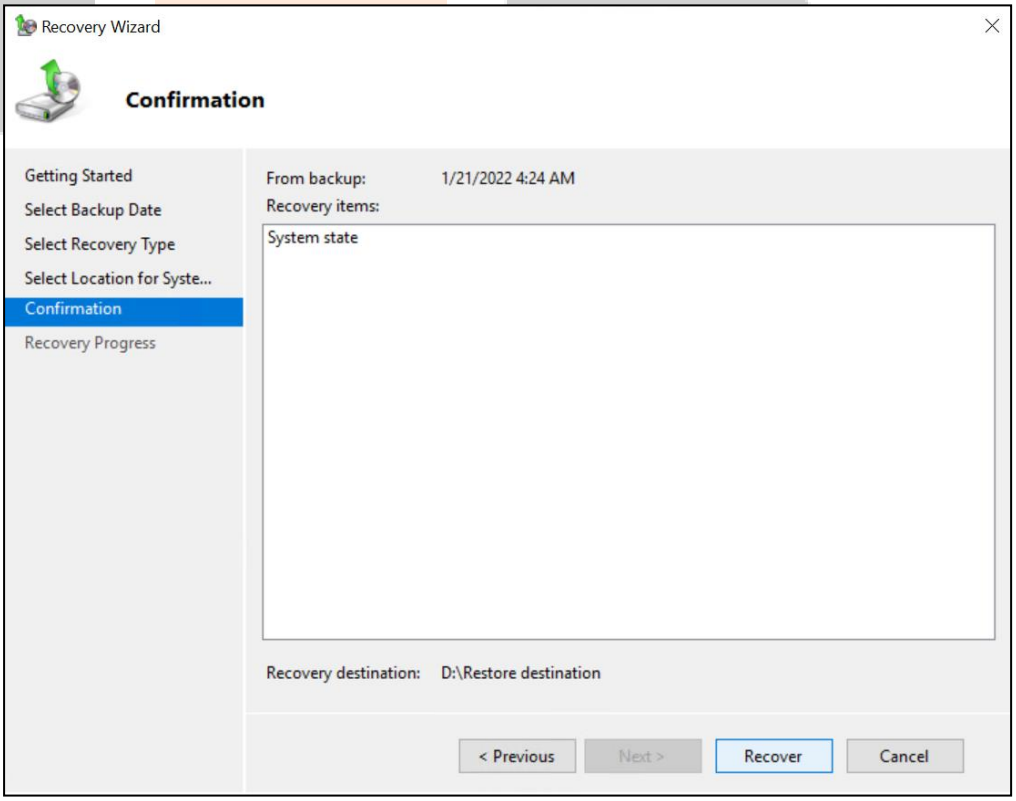
Note: The options displayed are different for system state containing Active Directory Domain Services.

You will also need to start the server in Directory Services Restore Mode (DSRM) to restore system state data containing Active Directory Domain Services.

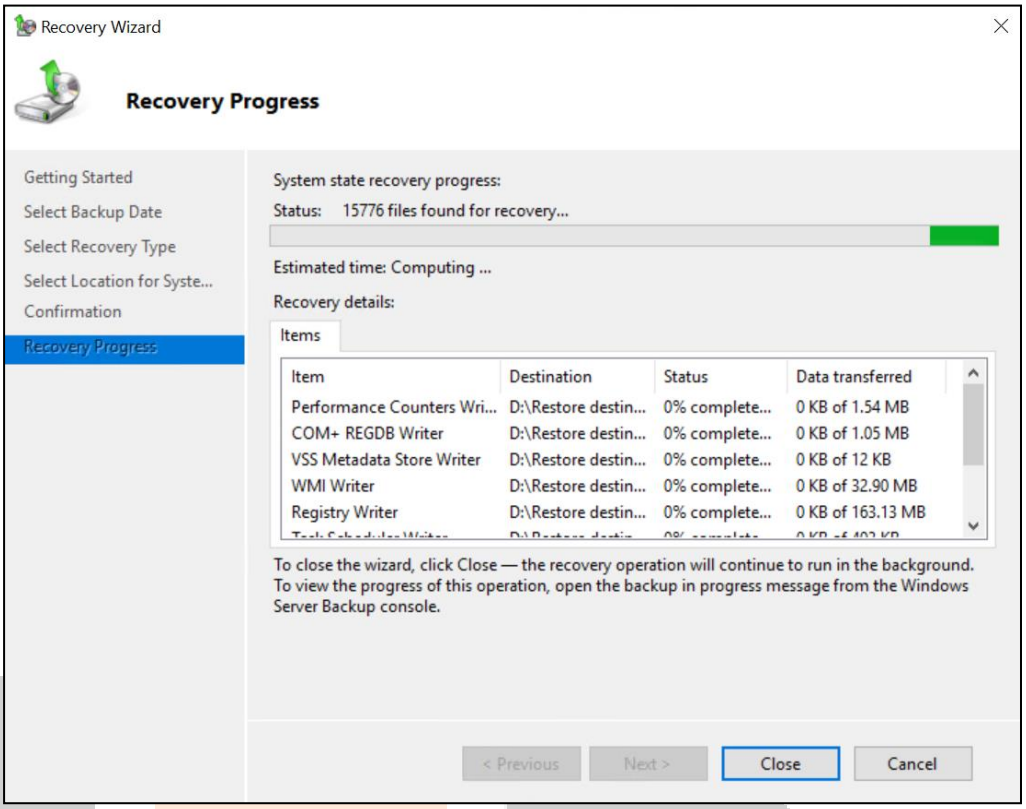
For instructions specific to recovering system state to Active Directory server, see http://go.microsoft.com/fwlink/?LinkId=143754



7. On the **Confirmation** page, review the details, and then click **Recover** to restore the specified items.



8. On the **Recovery progress** page, the status and result of the recovery operation are displayed.



Important: For restore to **Original location**, the system state recovery cannot be stopped once it is started, or the system could become unbootable.

9. Reboot the server once the system state recovery procedure is completed.

6 Contact Backup247

6.1 Technical Assistance

To contact Backup247 support representatives for technical assistance, visit our website https://backup247.com.au/Support.php

6.2 Documentation

Documentations for all Backup247 modules, user guide and QuickStart are available on our website. Alternatively, email us on support@backup247.com.au for technical demo.

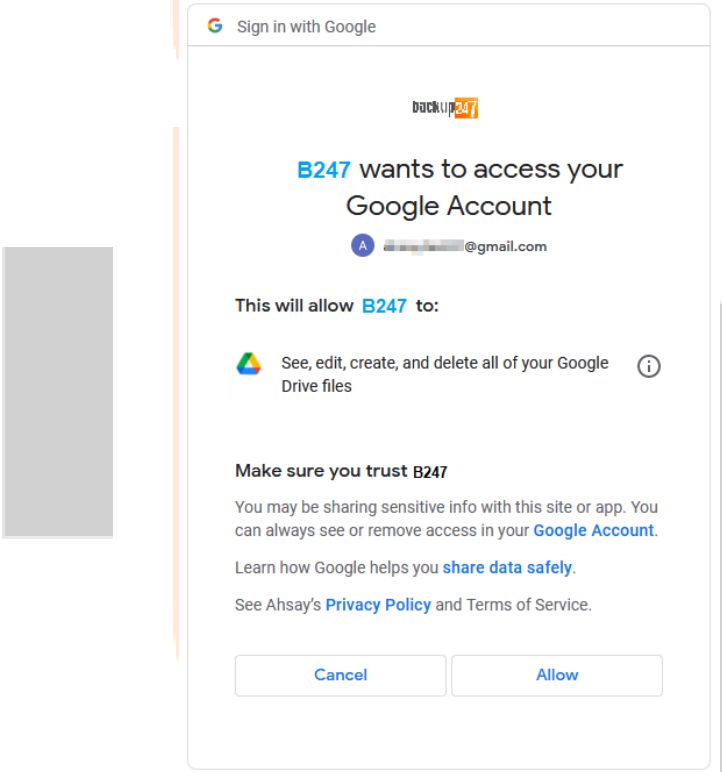
Appendix

Appendix A Cloud Storage as Backup Destination:

For most cloud storage providers (e.g., Dropbox, Google Drive ... etc.), you need to allow access Backup247 Advanced Client (B247PRO) to access the cloud destination. Click OK / Test, you will be prompted to login to the corresponding cloud service.

Important: The authentication request will be opened in a new tab / window on the browser, ensure that the pop-up tab / window is not blocked (e.g. pop-up blocker in your browser).

Click Allow to permit Backup247 Advanced Client (B247PRO) to access the cloud storage:



Enter the authentication code returned in Backup247 Advanced Client (B247PRO) to complete the destination setup.

NOTE

A backup destination can be set to a supported cloud storage, backup server, FTP / SFTP server, network storage, or local / removable drive on your computer.

Multiple backup destinations can be configured for a single backup set. In fact, it is recommended for you to setup at least 2 backup destinations for your backup set.