



# Vembu OnlineBackup User Guide

VEMBU TECHNOLOGIES  
[www.vembu.com](http://www.vembu.com)



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## Vembu OnlineBackup User Guide

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### Introduction

Vembu OnlineBackup is a comprehensive data protection solution designed to provide the best backup and recovery solutions for business data of Small and medium businesses. Vembu OnlineBackup supports specific files/folder backup and application backups such as: Microsoft Exchange, Microsoft SQL Server, Microsoft Active Directory, Microsoft SharePoint, Outlook and MySQL. It allows users to store their business data safe and secure over Vembu cloud and provides a restore anywhere/anytime model.

## Vembu OnlineBackup User Guide

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### Vembu BDR Components:

- [Backup Proxy](#)
- [Vembu Cloud](#)

## Vembu OnlineBackup User Guide

### Vembu Cloud

Vembu Cloud is a cloud based server that stores backup of user data. Users are recommended to opt for Vembu Cloud for two major reasons:

- Vembu Cloud offers a download- Anytime, anywhere option which is more helpful for disaster recovery and downloading backup data have no speed limit as well.
- Archiving older data in Vembu Cloud is comparatively low cost.

## Vembu OnlineBackup User Guide

### Backup Proxy

Vembu OnlineBackup client/proxy is installed on the source system to process backup data. A Vembu OnlineBackup client retrieves system files, user files, and granular application data. For end-to-end data security, military-grade encryption is applied on the fly as a Vembu proxy transfers data to Vembu Cloud.

## Vembu OnlineBackup User Guide

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### System Requirements

- [Backup Proxy](#)
- [Port Configuration](#)
- [Naming Conventions](#)





## Vembu OnlineBackup User Guide

### Minimum Configuration:

OnlineBackup Client	
OS	<ul style="list-style-type: none"> <li>• Windows XP SP2 &amp; above</li> <li>• Windows Server 2003 SP2 &amp; above</li> <li>• Windows 8, 7 &amp; Vista</li> <li>• Windows Server 2008 SP2 &amp; above</li> <li>• Windows Server 2008 R2</li> <li>• Windows Server 2012 &amp; 2012 R2</li> <li>• SBS 2003, 2008 &amp; 2011</li> <li>• Mac OS X 10.5 and later for Intel PC's</li> <li>• RedHat Enterprise Linux 5 and later</li> <li>• Debian Linux 5.0 and later</li> <li>• CentOS 5.2 and later</li> <li>• CloudLinux 5.10 and later</li> <li>• Fedora11 and later</li> <li>• Ubuntu 10.04 and later</li> <li>• Gentoo</li> </ul>
Instant Boot Infrastructure	N/A
Memory	2 GB
CPU	Dual Core Processor
Meta Data Storage	N/A
Network Card	N/A
Browser	<ul style="list-style-type: none"> <li>• IE v11</li> <li>• Firefox v28 &amp; above</li> <li>• Chrome v34 &amp; above</li> </ul>

### Recommended Configuration:

OnlineBackup Client	
OS	<ul style="list-style-type: none"> <li>• Windows XP SP2 &amp; above</li> <li>• Windows Server 2003 SP2 &amp; above</li> <li>• Windows 8, 7 &amp; Vista</li> <li>• Windows Server 2008 SP2 &amp; above</li> <li>• Windows Server 2008 R2</li> <li>• Windows Server 2012 &amp; 2012 R2</li> <li>• SBS 2003, 2008 &amp; 2011</li> <li>• Mac OS X 10.5 and later for Intel PC's</li> <li>• RedHat Enterprise Linux 5 and later</li> <li>• Debian Linux 5.0 and later</li> </ul>



	<ul style="list-style-type: none"> <li>CentOS 5.2 and later</li> <li>CloudLinux 5.10 and later</li> <li>Fedora11 and later</li> <li>Ubuntu 10.04 and later</li> <li>Gentoo</li> </ul>
Instant Boot Infrastructure	N/A
Memory	4 GB
CPU	Dual Core Processor
Meta Data Storage	N/A
Network Card	N/A
Browser	<ul style="list-style-type: none"> <li>IE v11</li> <li>Firefox v28 &amp; above</li> <li>Chrome v34 &amp; above</li> </ul>

## Vembu OnlineBackup User Guide

### Port Configuration

Port	Use
TCP Port 32004	For processing Backup/Restore/Delete/Replication requests
HTTP Port 5050	For processing WebService requests
TCP Port 443	For UI Communication

## Vembu OnlineBackup User Guide

### Naming Conventions:

Any backup and replication job created in Vembu BDR should be named with below mentioned rule:

- Only [a-z][A-Z][0-9][ - \_ ] characters are allowed in Backup/Replication Name.

Also do not use the following reserved names for naming any backup/replication job: CON, PRN, AUX, NUL, COM1, COM2, COM3, COM4, COM5, COM6, COM7, COM8, COM9, LPT1, LPT2, LPT3, LPT4, LPT5, LPT6, LPT7, LPT8, and LPT9.

To learn more about file/folder naming restrictions in Microsoft Windows, do read the naming conventions column from below link:

[Naming Conventions - Microsoft](#)



## Vembu OnlineBackup User Guide

### Getting Started with Vembu NetworkBackup

- [Registration and Login to Vembu OnlineBackup Server Web GUI](#)
- [Vembu OnlineBackup Client Installation](#)
- [Login to VOB Client- Web GUI](#)
- [Managing Backups](#)
- [Recovery](#)

### Vembu OnlineBackup User Guide

#### Registering Vembu OnlineBackup:

To get started with Vembu OnlineBackup, users have to first get registered to Vembu Portal (or) signup with Vembu OnlineBackup.

#### Sign-up for Vembu OnlineBackup:

- Go to [onlinebackup.vembu.com](http://onlinebackup.vembu.com) and click on Signup.
- You will be required to provide the following details in order to create your account:
  - First Name and Last Name
  - Email ID
  - Company Name
  - Contact Number
  - Country and State

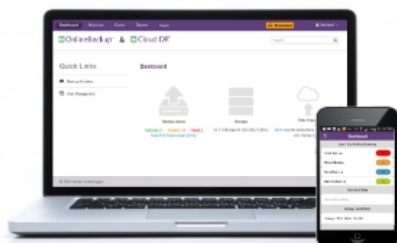


US: +1-844-312-5773 UK: +44-203-793-8668

#### Vembu Online Backup for Businesses.

Fast, Reliable and More Secure

- ✓ Backup Business Critical Data to our Secure Cloud
- ✓ Access your data from wherever you are - on Desktop, Web and Mobile
- ✓ Backup your Desktops and Laptops for free without having to pay for any license fees



#### OnlineBackup® & Cloud DR®

First Name	Last Name
Email Address	
Company Name	
Phone	
Select Country	
Select State	

By signing up you agree to our terms and conditions

**SIGN UP**

Already have a Vembu OnlineBackup account? [Sign In](#)

- Once done providing the requested details click Sign up to register.
- A verification Email will be sent to the registered Email ID. Kindly check your Inbox(Spam folder, if not found in Inbox) for verification email and click on Set



Password'. If the button doesn't work copy-paste the link given below the 'Set Password' button in your browser.

## Welcome To Vembu OnlineBackup

Hi,

Welcome to Vembu OnlineBackup! and thanks for registering Vembu OnlineBackup. Your Vembu OnlineBackup account has been created successfully and you can login using your email ID [REDACTED].


Please click the below button to set the login password for your Vembu OnlineBackup account

[Set Password](#)

**Set Password button not working ?**

If you are unable to click on the button above, you can set the password by copying the below link and pasting it on your browser

- You will be directed to a page with the registered email ID and you will be requested to create a password for your account. Once done providing password, click Activate.

 OnlineBackup® & Cloud DR®

Great! Your Email address has been verified successfully.

Please set a password for your Vembu Account

Name:

Set a password:

Confirm Password:

Min. 6 Characters

[Set Password](#)

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- Vembu OnlineBackup account is now created successfully and you will be redirected to [onlinebackup.vembu.com](https://onlinebackup.vembu.com). Login with with the registered email id and password. You will get the below dashboard of Vembu OnlineBackup.



**Vembu OnlineBackup**

test\_aug3

Dashboard Online Backup CloudDR Reports Settings Download

**Backup status**

- Success 6
- Missed 1
- Failed 1

+ View Full Report (Last 24 hrs)

**Backup Activities**

Backup activities shows current backup, restore, delete and retention activities.

+ View Activities

**Billing Information**

There is no card under the account

- [Update your billing information in portal](#)

Usage: 0 Bytes

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Active

## Registering in Vembu Portal:

Vembu portal is an all-in-one hub spot for managing your registered Vembu products and services where you can get started. To register in Vembu portal, follow the steps given below:

- Go to [portal.vembu.com](http://portal.vembu.com) and click on Signup.
- You will be required to provide the following details in order to create your account:
  - Company Name
  - First Name and Last Name
  - Email ID
  - Contact Number
  - Country and State

**Vembu Portal**

Centralized Administration of Vembu Products & Services

Account Management | Licensing | Billing | Invoice

An all-in-one portal to register & manage Vembu Products & Services

CaseSaaS

Luis Bruno

Email ID

9876543201

Virgin Islands Saint Croix

Sign Up

Already have an account ? [Sign in](#)

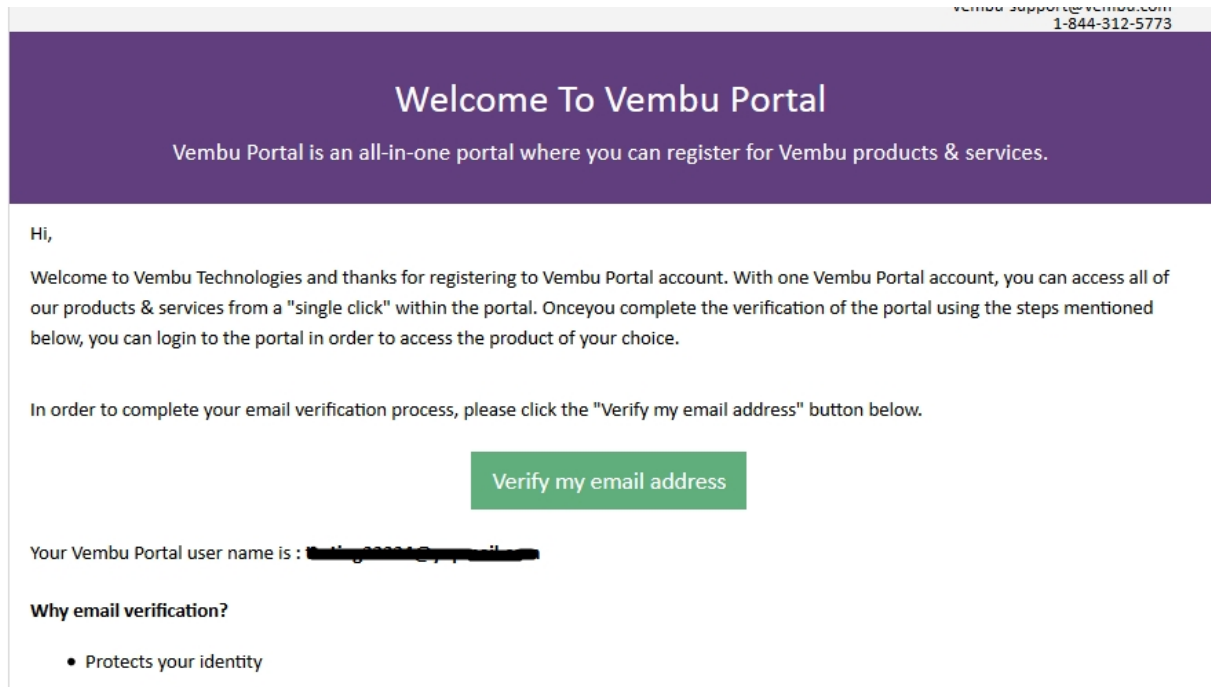
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Privacy Policy

- Once done providing the requested details click Sign up to register.
- A verification Email will be sent to the registered Email ID. Kindly check your



Inbox(Spam folder, if not found in Inbox) for verification email and click on 'Verify my email address'. If the button doesn't work copy-paste the link given below the 'Verify' button in your browser.

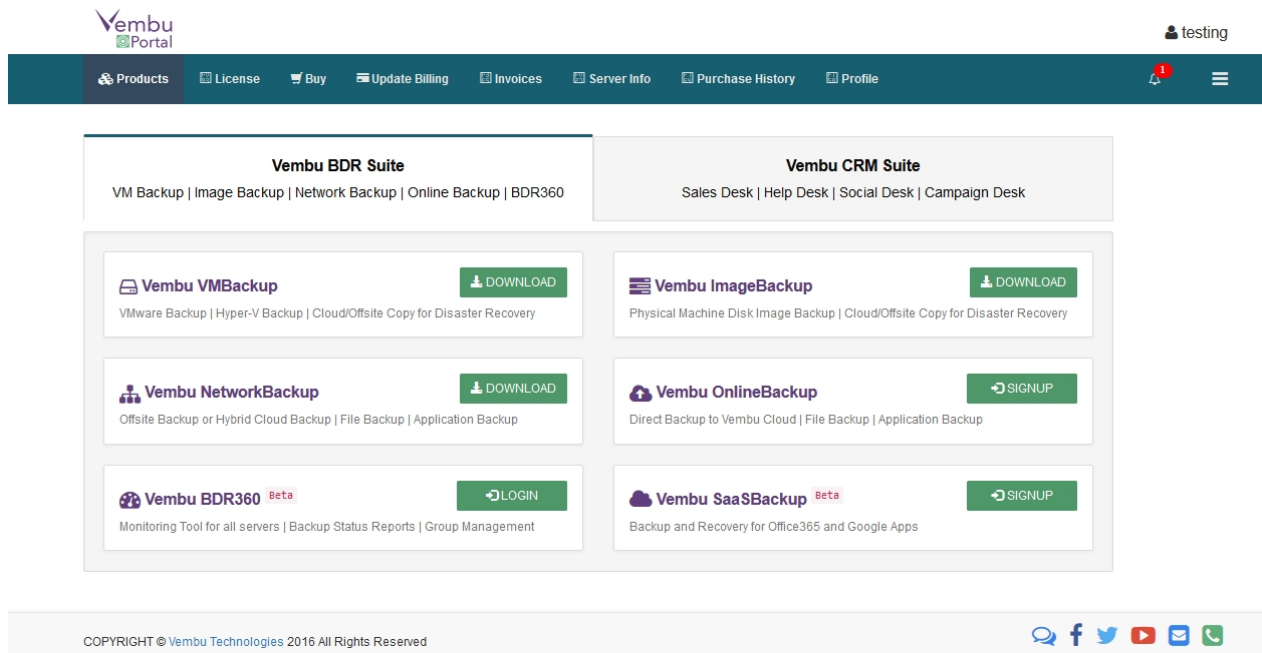


- You will be directed to a page with the registered email ID and you will be requested to create a password for your account. Once done providing password, click Activate.

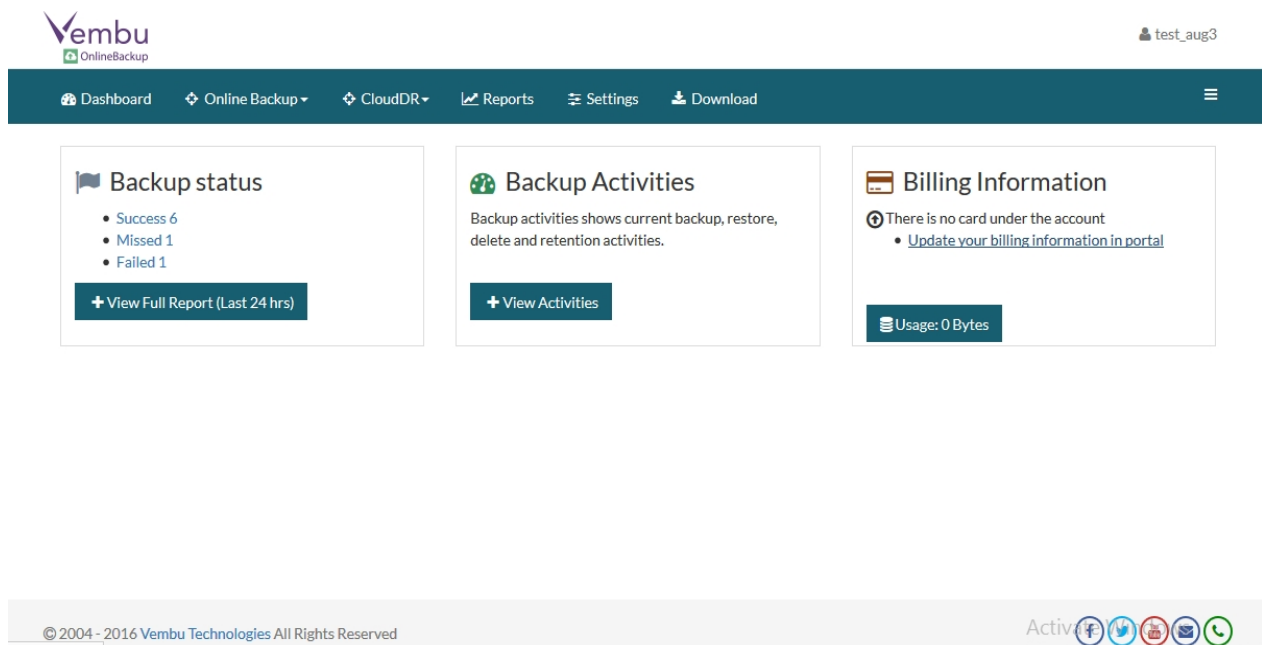
A screenshot of the Vembu Portal activation page. The header features the Vembu Portal logo. Below the logo, it says 'Activate your Vembu Account'. A message states: 'Thanks for verifying your email address. Please choose a password to activate your Vembu account.' There are three input fields: 'Email' (with a redacted email address), 'New Password' (with placeholder text 'Enter Password'), and 'Confirm Password' (with placeholder text 'Re-enter Password'). A red 'Activate' button is at the bottom right.

- Vembu portal account is now created successfully and you will be redirected to Vembu Portal login page. Login to Vembu portal account with the registered email id and password.
- To signup for Vembu OnlineBackup, click Products tab. From the list of products, click the 'Sign Up' option alongside Vembu OnlineBackup.





- You will be required to read and agree the 'Software license and subscription agreement'- Read and agree. Your Vembu OnlineBackup account is now successfully created.
- Click Ok and you will be redirected to dashboard of Vembu OnlineBackup.



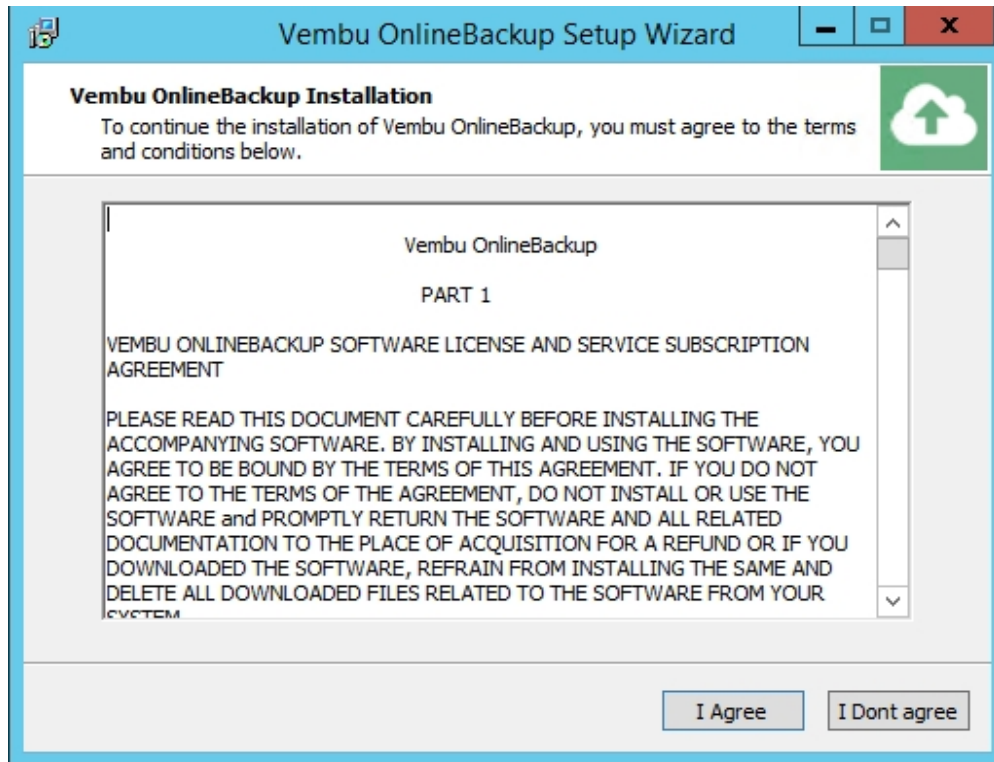
- You can also login to Vembu OnlineBackup by visiting following link:  
[onlinebackup.vembu.com](https://onlinebackup.vembu.com)

## Vembu OnlineBackup User Guide

To install Vembu OnlineBackup on Windows, follow the steps given below:



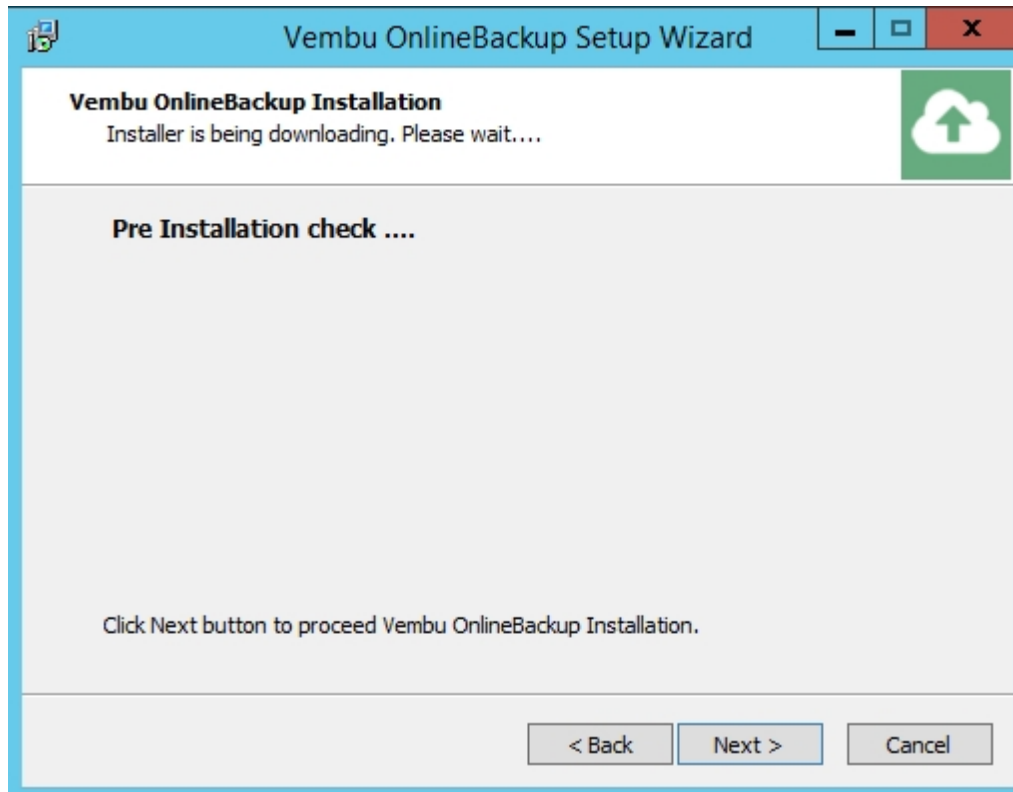
- Login to Vembu OnlineBackup server account via: [onlinebackup.vembu.com](https://onlinebackup.vembu.com)
- Go to Download tab
- This section will provide links to download Vembu OnlineBackup client installer for various OSes like: Windows, Linux and Mac
- Download the Windows Client installer as per requirement to your client machine
- Run the downloaded installer, you will get Software license agreement for Vembu OnlineBackup. Read and proceed with 'I Agree'.



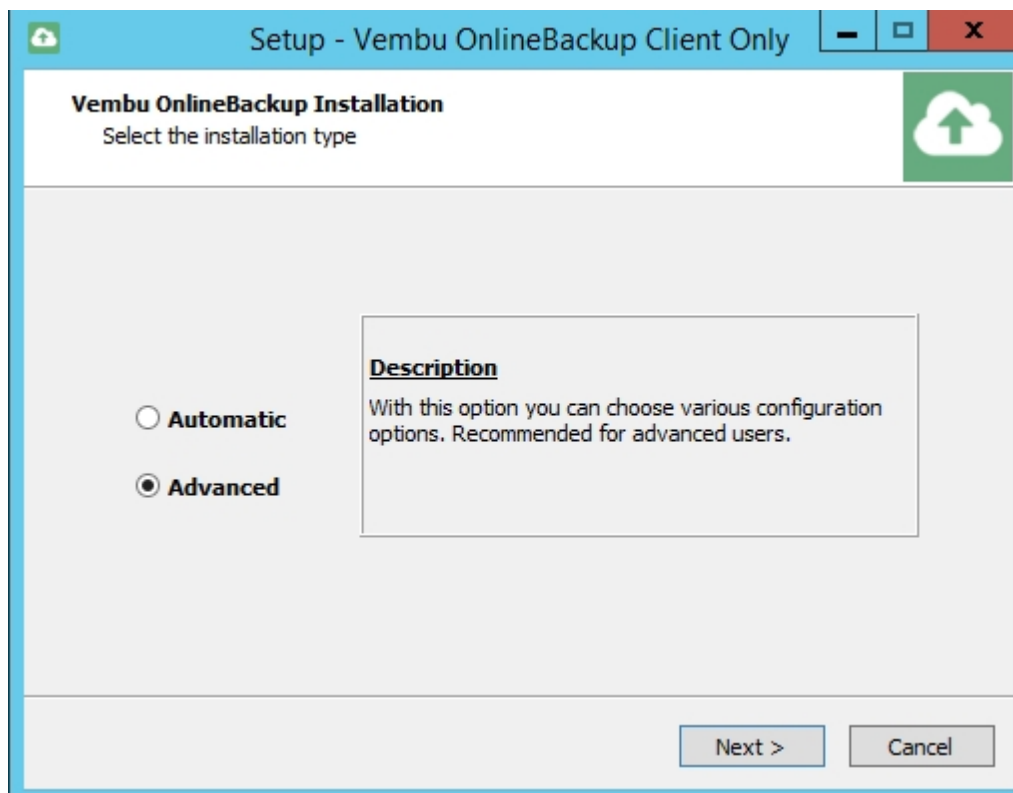
- Pre-installation check will be processed and Vembu OnlineBackup installation file will be downloaded. Once download completes, click Next to proceed with installation process.







- Choose the installation option you want to proceed with.
  - Opting for Automatic will auto-choose optimized configuration for your install. Proceed with Advanced if you want to change the default values. Click Next when done.
- Note: It is recommended to choose Advanced installation.

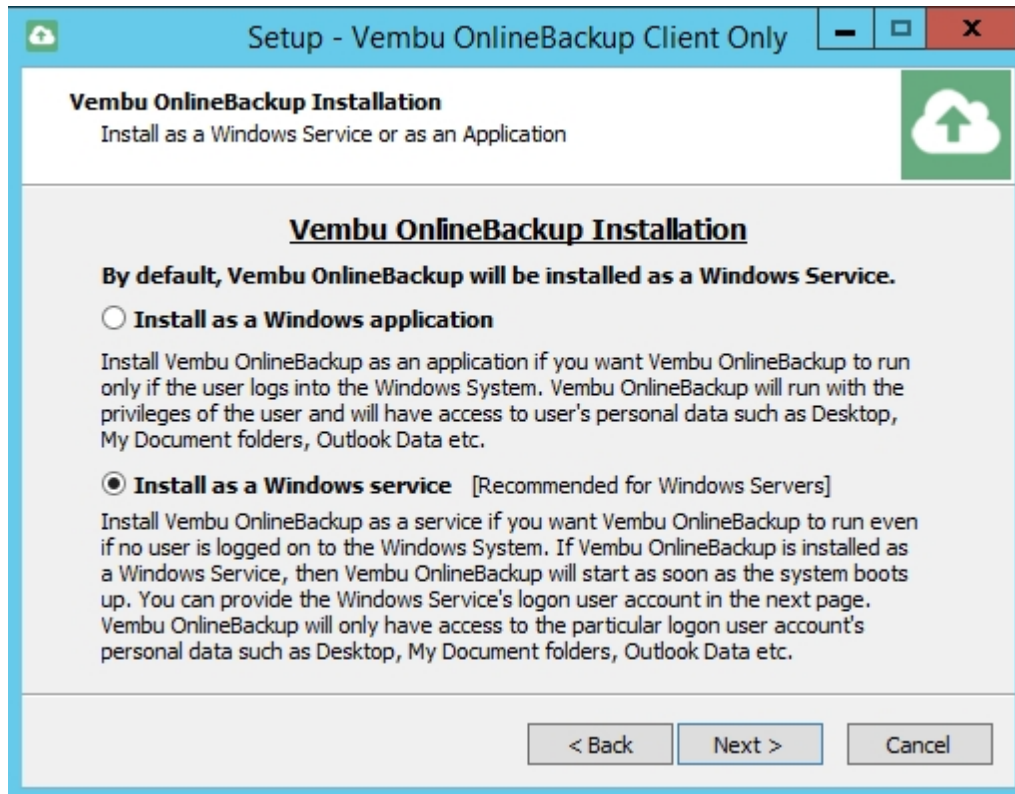


- Proceeding with Advanced installation, will let you choose installation type. This will

allow you to install Vembu OnlineBackup:

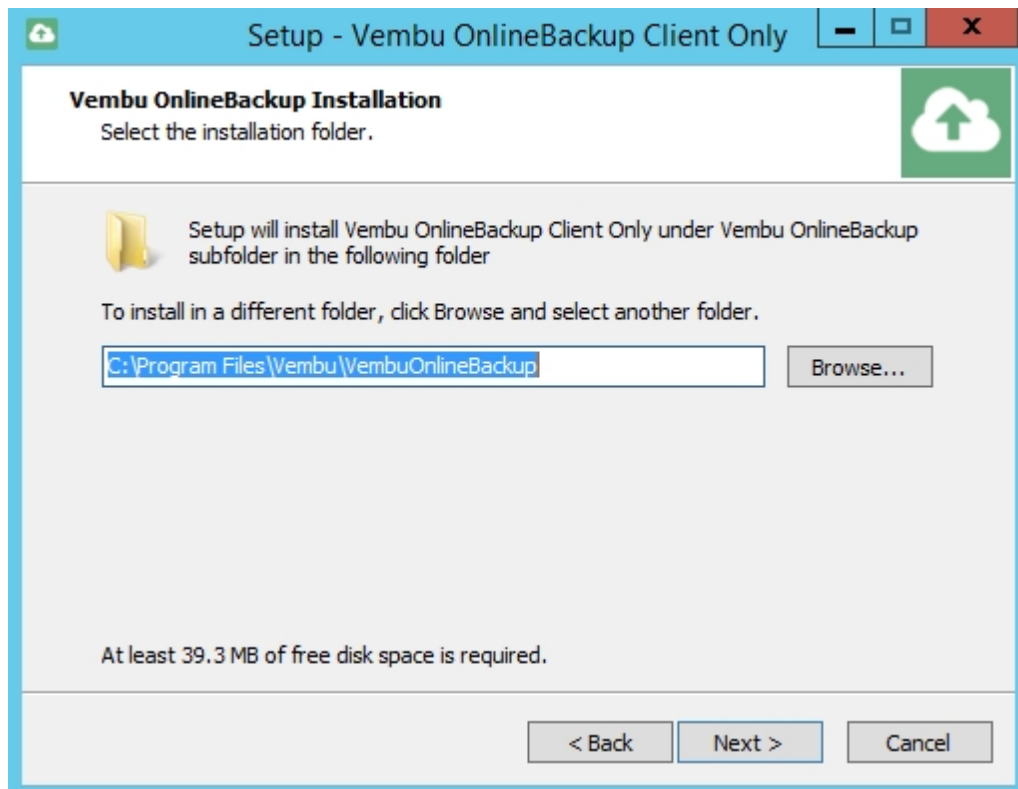
- As a Windows application or
- As a Windows service

By default, install as a Windows service will be selected.

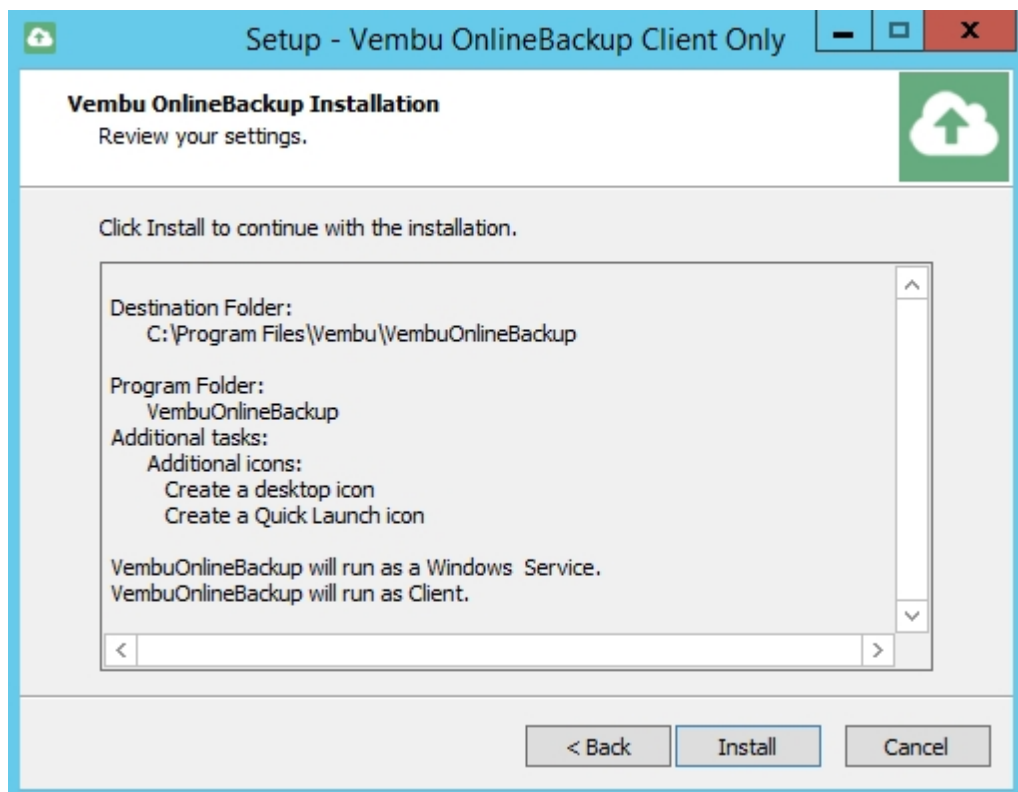


- Proceed to choose installation location. Which is by default, set as '<OS installed drive> \Program files\'.





- Proceed with Next and review the details provided. Once done, Click 'Install' to proceed with installation.



## Vembu OnlineBackup User Guide

### Login to Web GUI:



## Login to OnlineBackup Client:

- User can login to Vembu OnlineBackup web UI via following options:
  - By typing default URL: <http://localhost:5050> (or) [http://<Ip\\_Address\\_of\\_Machine>:5050](http://<Ip_Address_of_Machine>:5050) in [browser](#)
  - Via shortcut created on desktop
  - Via Vembu OnlineBackup client web console option in tray icon
- First login after a fresh Vembu OnlineBackup client installation will request users to set password. Do provide a password and proceed.



Vembu OnlineBackup Registration

**Machine Name** (eg: williams\_laptop or home-pc)

This will help you identify it in case you need to restore files from your backup.

- Users who login after a fresh installation will be required to choose the time zone in which they want their backup reports to be generated.



Select the Time Zone settings for this machine

Select Time Zone :

- Once done choosing timezone, users will be redirected to job listing page. Since it is a fresh installation with nil backup/replication jobs configured, user will be redirected to configure file backup by default.



# Vembu OnlineBackup User Guide

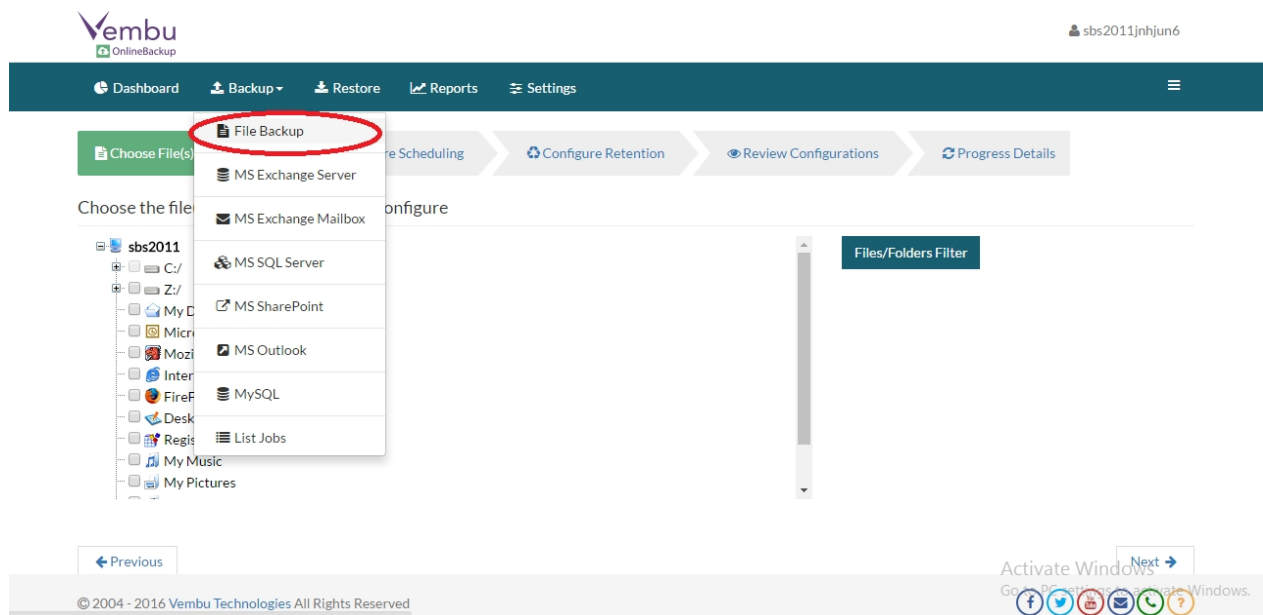
## Managing Backups

- [File Backup](#)
- [MS Exchange Server Backup](#)
- [MS Exchange Mailbox Backup](#)
- [MS SQL Server Backup](#)
- [MySQL Backup](#)
- [MS Outlook Backup](#)
- [MS SharePoint Backup](#)

# Vembu OnlineBackup User Guide

## File Backup

- This option enables user to configure file backup schedules. Once the schedule is configured, the client's data is backed up to the selected backup server or local machine.
- Go to 'Backup → File Backup' option from the top menu



## Configuring File Backup

## Step 1: Select Files And Folders To Backup

- On "Choose the file(s)/folder(s) you wish to configure" page, you will have a tree with the list of drives and directories of client machine.
- The listing will also contain hidden-system files and folders along with essential features like IE/Firefox settings, Windows registry, Outlook backup etc.,
- Select the files and folders, you want to backup and proceed. You can also choose the essential features for backup. Do note, you can either select files/folders or essential features in a single backup job but cannot configure both on the same backup job. Note: If a file/folder is not selected, it will be excluded from the backup. These files/folders will be listed in the 'Edit Backup' page.
- Cross icon against a file/folder denotes that it has been excluded from the backup.
- Greyed '-' icon against a drive/folder denotes that some of the files/folders are excluded from backup.

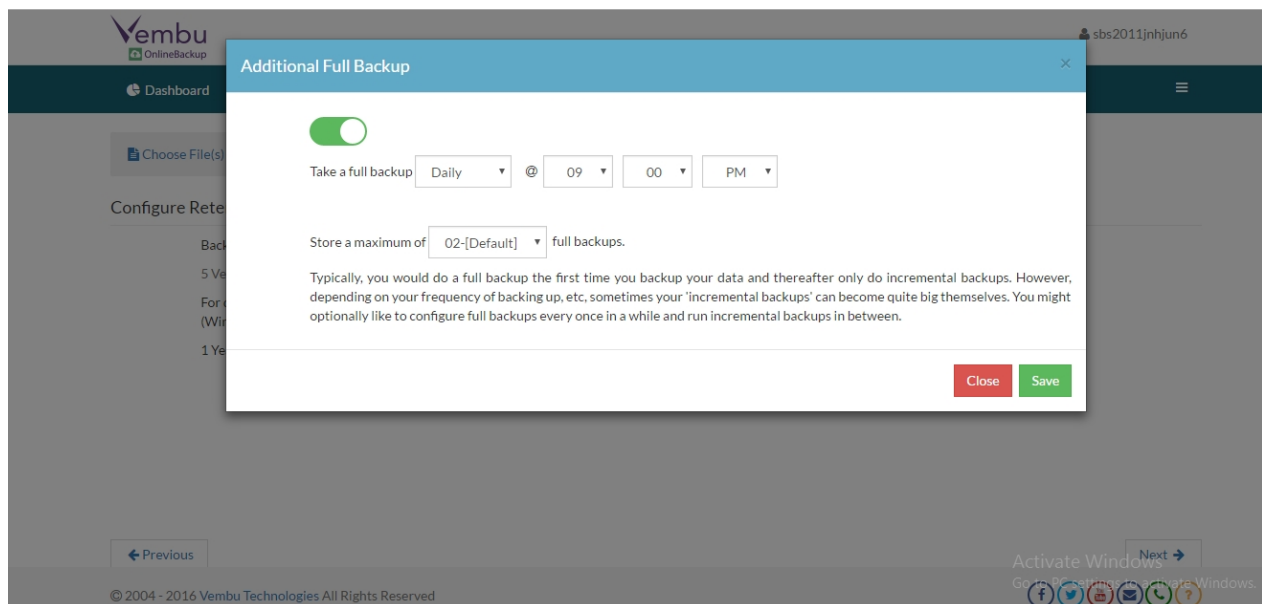
## Step 2: Configure Scheduling



Users can configure their backup schedules flexibly based on their requirement. They can choose from Hourly/Daily/Weekly options for backup schedules.

- **Run Every-** Lets user decide the hour frequency at which backup schedule should be triggered. It also lets user decide the days when the hourly schedules should be carried out.
- **Run Daily-** Allows user to set a specific time in a day to trigger backup schedule.
- **Run Weekly-** Lets user decide the days when a backup schedule can be triggered in a week and choose a time period as well.
- **Continuous-** Allows user to backup scheduled data, whenever there is a change in it.
- **Run Once-** Users can also configure one time scheduled backup job which can also be triggered manually when needed.

### Step 3 - Additional Full Backups:



In an enterprise environment, configuring a backup job with one full backup and forever incremental is not a recommended practice. Users from such environment will tend to configure additional full backups periodically and that can be automated with our additional backup option.

#### Additional Full Backups can be configured in following order of scheduling:

- For Continuous, Run Daily and Run every few hours schedules- Configuring daily/weekly/monthly additional full backup is possible.
- For Run Weekly schedule- 'Monthly full backup' is the only possible additional full backup.
- For Run Once schedule- You cannot configure additional full backup.

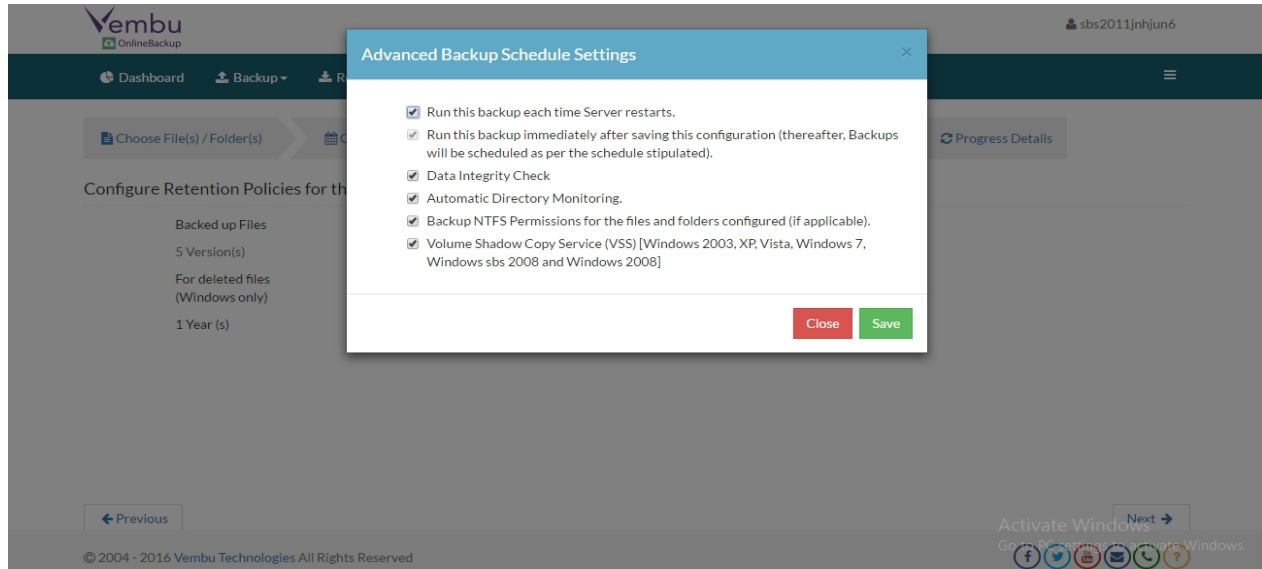
**Note:** Users can also limit the number of full backups to be retained with 'Store a maximum of' option. With this option, users can share the unwanted storage data occupied based for a time period. For example, a user needing no more than 6 months of data retainment can



configure 6 monthly full backups where the 1st additional full backup will be deleted on the 7th month when a new full backup completes successfully.

## Advanced Options (Optional)

### Advanced Backup Schedule Settings



**Automatic Directory Monitoring-** By default this option is enabled in Windows, so that Vembu OnlineBackup will be auto-notified with the list of changed files/folders. This saves the time period taken to rescan every files/folders configured in a backup job during each incremental. If disabled, it rescans files/folders configured for each incremental and is time consuming. This option is recommended and by default, is disabled in Linux and Mac OS X machines.

**Note:** Vembu OnlineBackup performs rsync based delta backup for incremental jobs, (i.e.,) It backups only the changed portions of files/folders.

**Backup NTFS Permissions for the files and folders configured(if applicable)-** By default this option is enabled in Windows, so that Vembu OnlineBackup backs up NTFS file permissions along with the files configured. This NTFS file permissions are restored along with restored files during restore process initiated on client end.

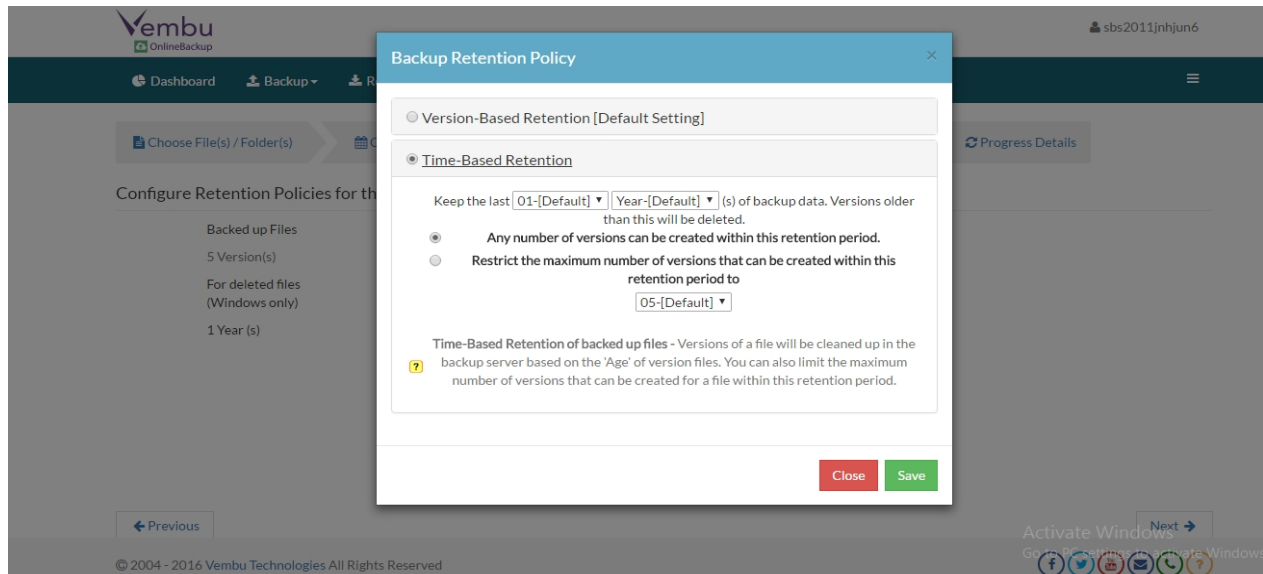
**Note:** NTFS permissions are not restored in server-side restore and third party restores.

**Volume Shadow Copy Service (VSS)-** This option is enabled by default in Windows. Thus Vembu OnlineBackup creates and backups a snapshot copy(read-only) of volume corresponding to the configured files/folders in a backup job. VSS ensures consistency with backups taken avoiding problems with file locking as we use a read-only snapshot copy for backup.

## Retention Policies (Optional)







Retention feature helps in having multiple versions for a backed up file stored in backup server. Vembu OnlineBackup provides retention with two types of retention policies:

- Version-Based retention
- Time-Based retention

## Retention policy for backed up files

### Version-Based Retention:

This option lets Vembu OnlineBackup retain multiple versions for a backed up file based on version count. The default value chosen is 5, while it can have any value chosen between 0 to 99.

**Note:** Backup version can be 0 with intelli-delta backup disabled in advanced option, this is useful when users wish to store the latest version of a file alone.

When intelli-delta option is disabled, Vembu OnlineBackup will backup entire file in each incremental (If file is modified) and keeps multiple versions of the complete file based on retention configured.

### Time-Based Retention:

This option lets Vembu OnlineBackup retain multiple versions for a backed up file based on its age. The default value chosen is for 5 years(version files will be retained for 5 years) and can be configured based on user requirement with two options:

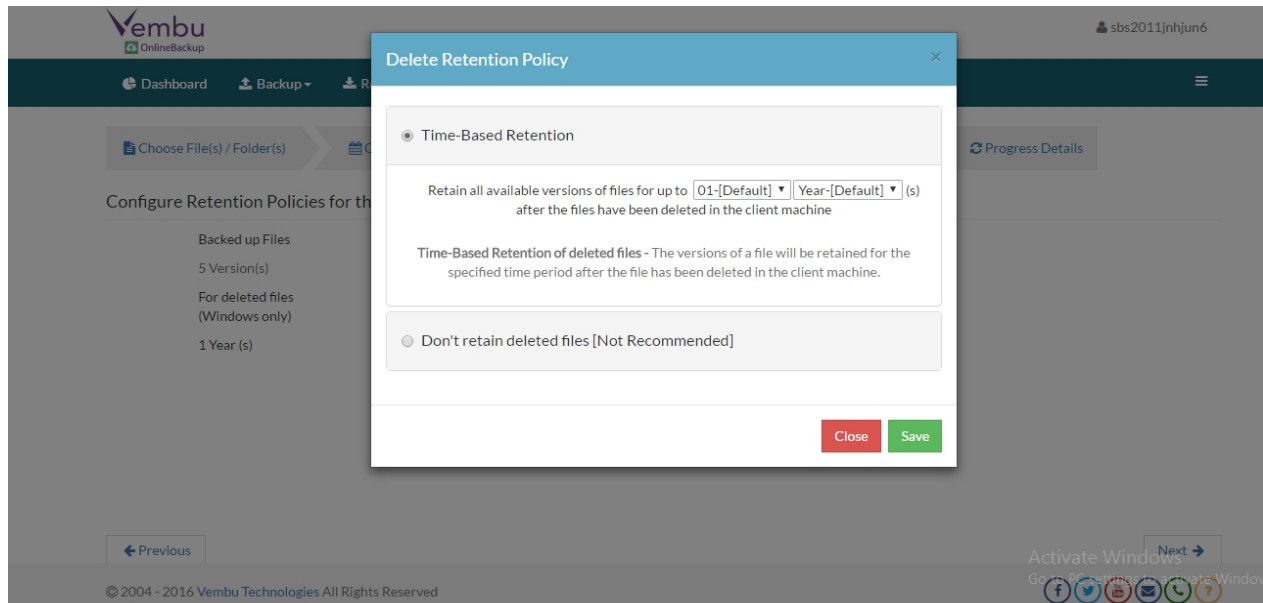
**Any number of versions can be created within retention period-** This is the default setting chosen, where Vembu OnlineBackup can create n number of version files within the specified retention period.

**Restrict maximum number of versions that can be created within retention period-** This option if enabled, lets user define a value for retention version file to be maintained for the specified time period. If exceeded, the oldest file will get removed with the entry of new



version.

## Retention policy for deleted files[Windows only]



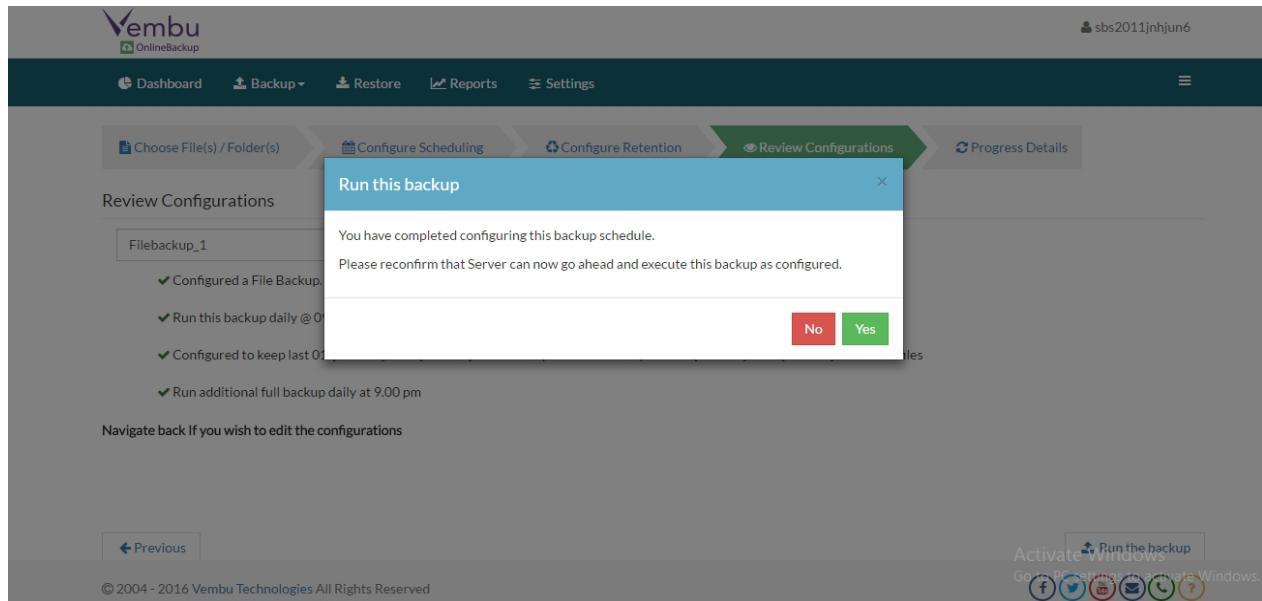
When a file configured in a backup job is deleted at client machine after a successful completion of backup schedule, the backed up data will be flagged as deleted during subsequent schedules and will not be removed. Vembu OnlineBackup allow users to decide whether to retain or delete those files in backup server with this option.

**Note:** This option is only available for Windows client and are not supported for Linux, Mac or Free BSD OS based clients.

**Time-Based Retention:** This option lets Vembu OnlineBackup retain all available versions of a backed up file for a specified time period. The default value chosen for retain is 5 years and can also be configured.

**Don't retain deleted files:** Enabling this option is not recommended, as it will delete files on a backup server permanently when they are deleted on client side during immediate next schedule.

## Run Configured Backup:

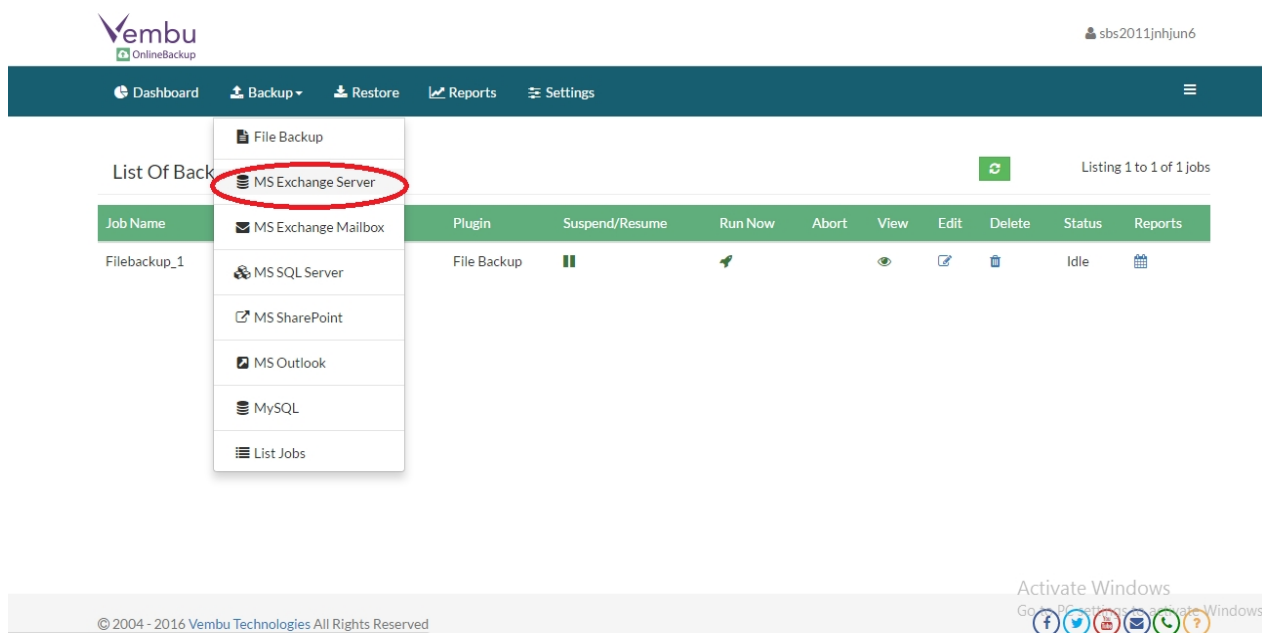


Review the configuration provided and enter an appropriate name for the backup schedule. Once done, click 'Run Backup' to initiate the backup progress as per schedule configured and it gets completed successfully.

## Vembu OnlineBackup User Guide

### MS Exchange Server Backup

- This option enable user to configure MS Exchange Server backups. Once configured, the scheduled backup data will be sent to backup server.
- Go to 'Backup --> MS Exchange Server' from the top menu.



### Step 1: Configuring MS Exchange Servers

- Clicking on MS Exchange Server option will redirect to Exchange Server Plugin window.



- Select one or more Exchange server from list shown and click 'proceed to configure Full Backup'.

Choose the Exchange server(s) you wish to configure

Microsoft Exchange Server

- SBS2011
  - Mailbox Database
  - Partha
  - Public Folder Database 0824221870
  - alagammai

Previous Next

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## Step 2: Configure Scheduling

Select how frequently you want to run full backup

☐ Run Hourly
 ☒ Run Daily
 ☐ Run Weekly
 ☐ Run Monthly

09 00 AM

Backup Type: Vembu Cloud

Full Backup Retention: Max. No. of Full backups to be retained in the server: 02-[Default]

Previous Next

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Users can configure their backup schedules flexibly based on their requirement. They can choose from Hourly/Daily/Weekly options for backup schedules.

- **Run Hourly** -This option will let user run full backup in hourly time intervals. A user can select the weekdays and time interval between backup schedules.
- **Run Daily** -This option will let user run full backup once a day and user can specify the time at which full backups should run every day.
- **Run weekly**- This option will let user run full backup once in a week and user can specify the day and time of their choice, when to perform full backups in a week.
- **Run Monthly** -This option will let user run full backup once a month and user can specify



the day, time and month of their choice for full backup schedules.

**Note:** Run Monthly is the recommended and default configuration.

### Full Backup retention:

- You can also specify the maximum number of full backups to be retained. The default value is 2 for full backup retention.
- Once done with scheduling full backups, proceed to schedule synthetic full backup.

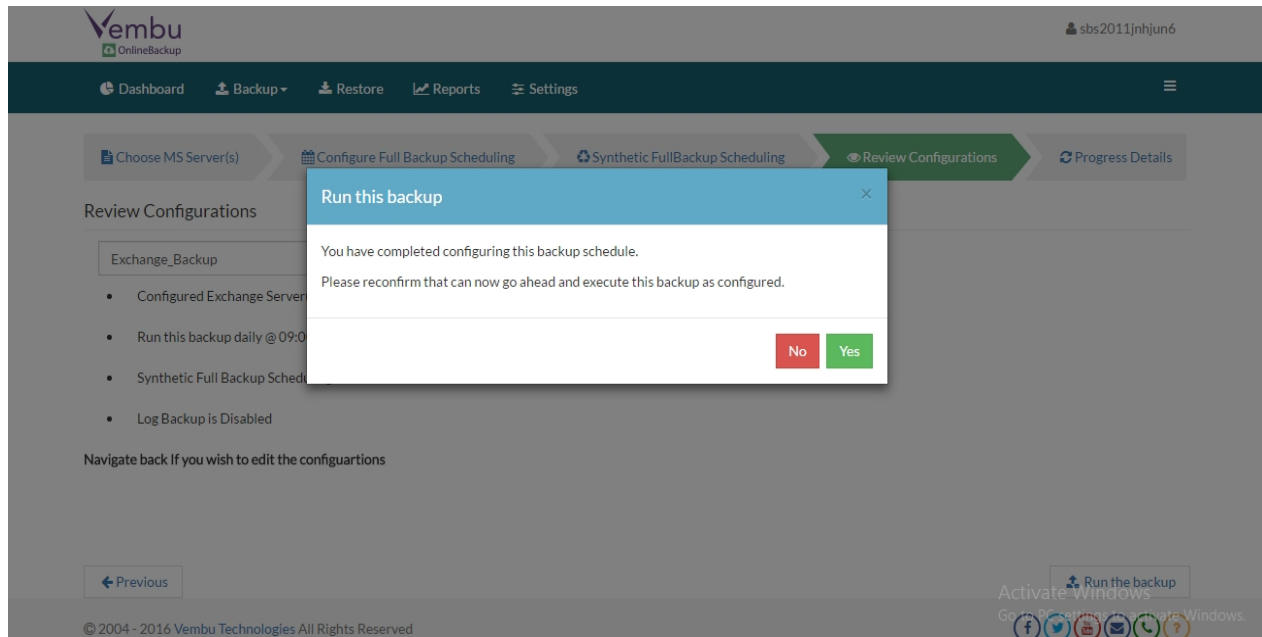
### Step 3- Synthetic Full Backup Scheduling:

By default, synthetic full backup scheduling is enabled and it is recommended. But if required, an user can also disable it. Additionally, an option to enable incremental and differential backup is provided and user can enable any one of the two methods when required.

Once done configuring synthetic full backup, proceed to review configurations.

### Step 4- Run Backup:





Make sure the provided details are correct by reviewing configuration and provide a appropriate name for backup job. Once done, proceed to schedule the backup job by clicking 'Run Backup' option.

## Vembu OnlineBackup User Guide

### MS Exchange Mailbox Backup

MS Exchange Mailbox plugin backup is a folder level backup, where users can either backup a mailbox of a specific user on the whole or can perform backup on a folder and subfolder level. In order to configure Exchange Mailbox backups, Vembu OnlineBackup should be installed on machines where exchange servers are installed and if multiple Exchange servers are used, Vembu OnlineBackup should be installed on each machine.

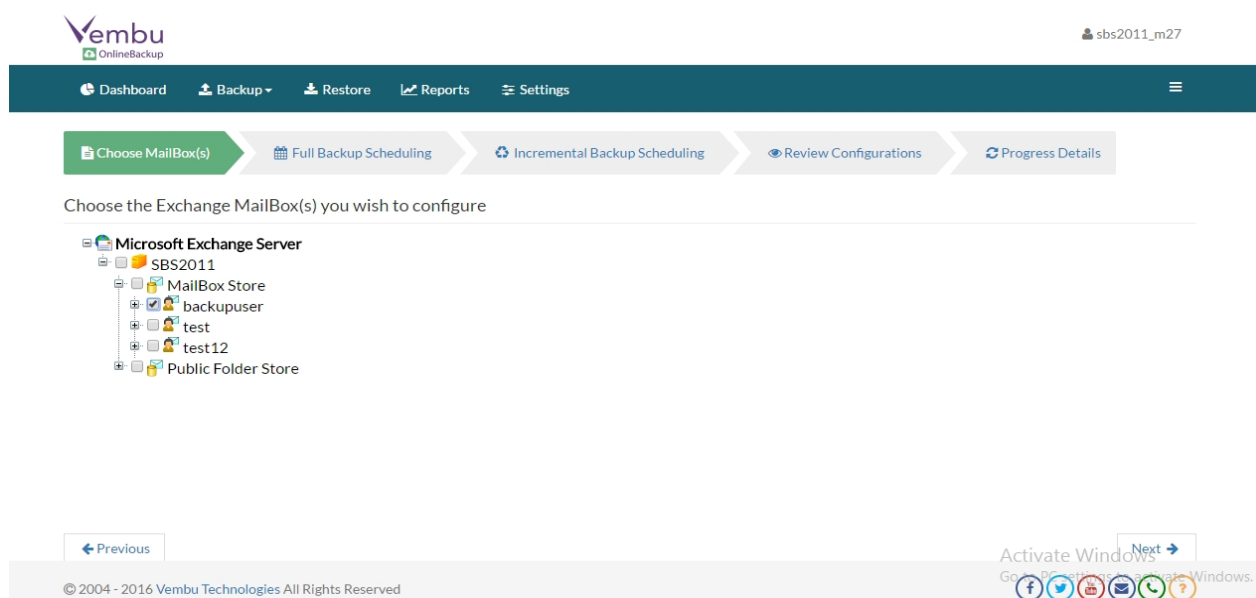
The backed up information(User Mailbox, folder and subfolder) is stored in separate PST files. Exchange Mailbox is not an alternative to Exchange server backup, instead provides optional granularity for data to be backed up. This will be most helpful when a user is in need to recover individual mailbox or its information(Such as contacts, mails, calendar, tasks etc.,) instead recovering an entire server.

**Note:** Exchange Mailbox cannot act as a stand-alone solution for restores performed after a disaster and MS Exchange server restore is most helpful for such scenarios.

- Go to 'Backup → MS Exchange Mailbox'

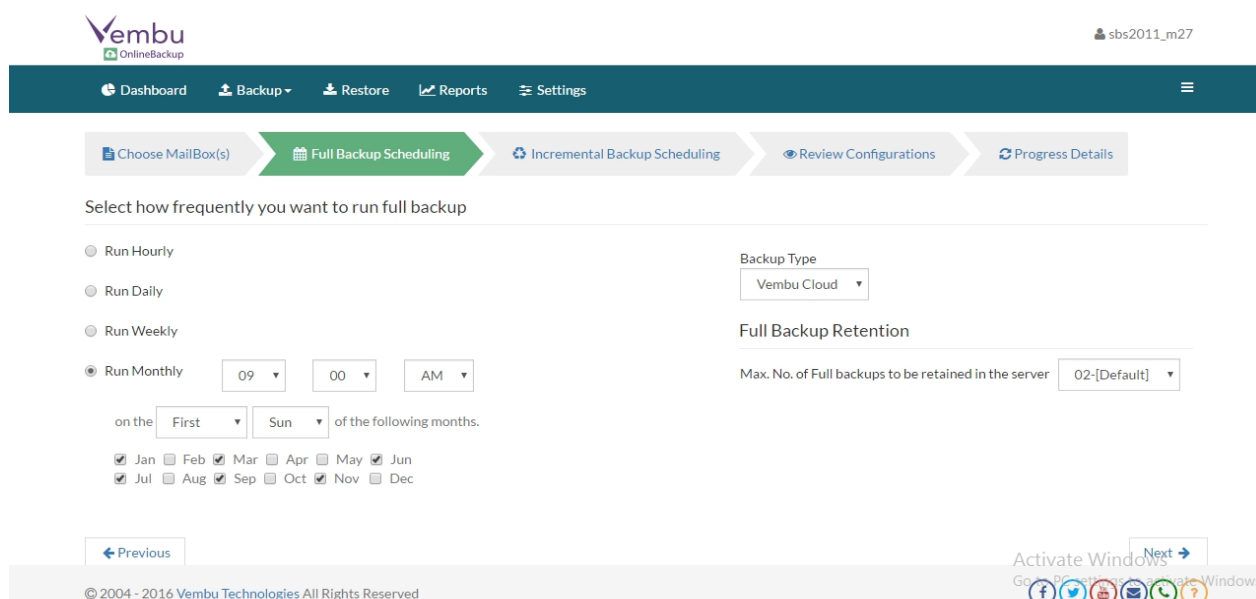
#### Step 1- Configuring Mailbox:





- Select one or more MS Exchange mailbox from shown list and proceed to configure Full Backup.

## Step 2- Configure Full Backup Scheduling:



Users can configure their backup schedules flexibly based on their requirement. They can choose from Hourly/Daily/Weekly options for backup schedules.

- **Run Hourly**- This option will let user run full backup in hourly time intervals. A user can select the weekdays and time interval between backup schedules.
- **Run Daily** -This option will let user run full backup once a day and user can specify the time at which full backups should run every day.
- **Run weekly**- This option will let user run full backup once in a week and user can specify the day and time of their choice, when to perform full backups in a week.
- **Run Monthly** -This option will let user run full backup once a month and user can specify the day, time and month of their choice for full backup schedules.



**Note:** Run Monthly is the recommended and default configuration.

### Full Backup retention:

You can also specify the maximum number of full backups to be retained. The default value is 2 for full backup retention.

Once done scheduling full backups, proceed to configuring incremental backup schedule.

### Step 3- Configure Incremental Backup Schedule:

### Temporary location for backup dumps:

Enter the location/directory path in which the Exchange Mailbox dumps has to be temporarily stored before uploading to backup server. Ensure you have enough disk space in the configured location(where the backup dump has to be saved).

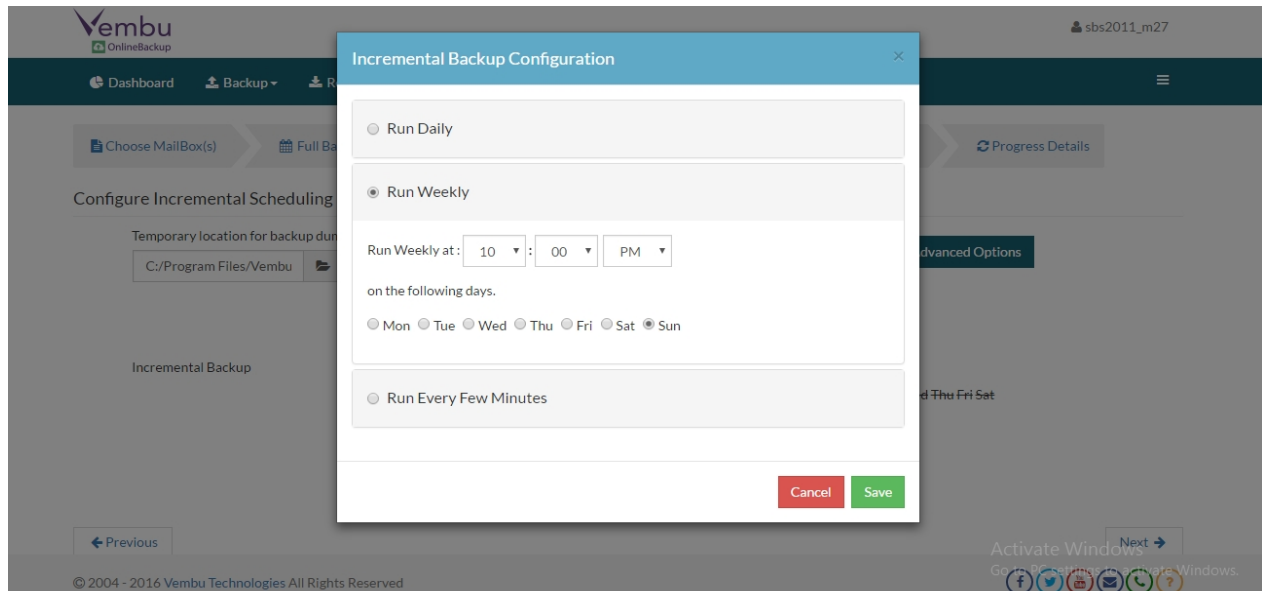
**Note:** Backup dumps stored in temporary location will be deleted once backup dumps are transferred successfully to the remote backup server.

### Incremental Backup Scheduling:

Client will do an incremental backup dump of users mailbox with respect to previous full or incremental backup, whenever an incremental log backup is scheduled.



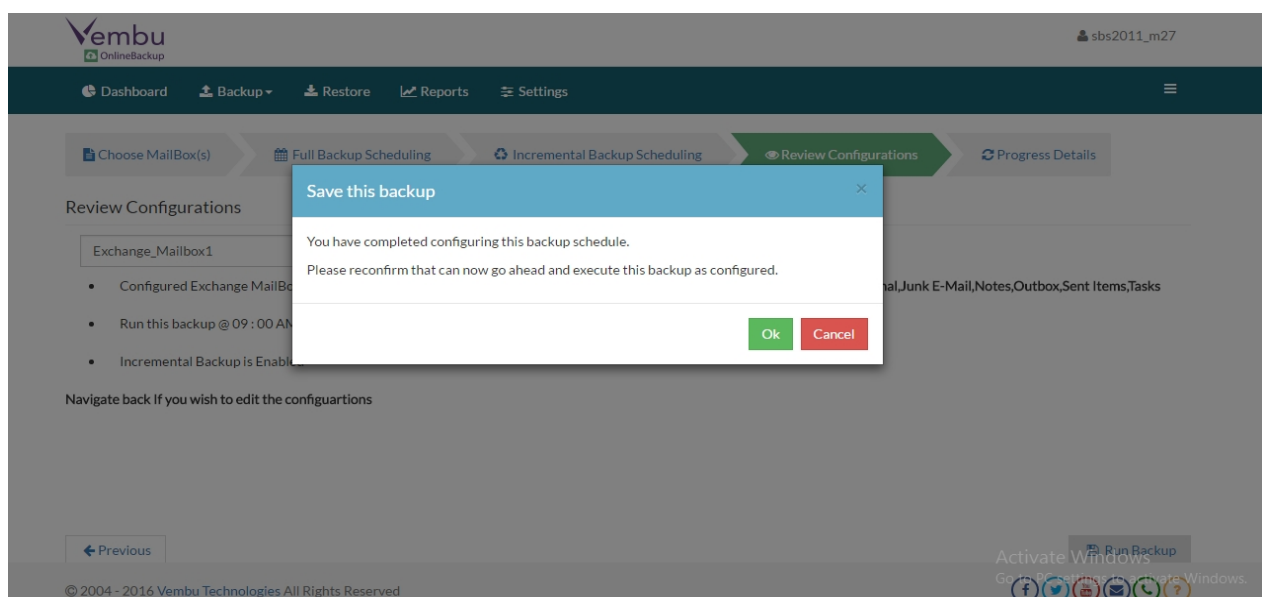




Once enabled, incremental backup option lists the following schedules to choose from:

- **Run Weekly-** Lets user decide the time and day of a week when the backup should run. Client will execute the backup every week on the particular day and time chosen. Note that you can select multiple days of the week if you wish to run the backup more than once a week.
- **Run Daily-** Lets user decide the time at which the backup should run daily. This will execute the backup everyday at user specified time.
- **Run Every Few Hours-** Lets user decide the hour frequency at which backup schedule should be triggered. It also lets user decide the days when the hourly schedules should be carried out.

#### Step 4- Run the Backup:



Make sure the provided details are correct by reviewing configuration and provide a appropriate name for backup job. Once done, proceed to schedule the backup job by

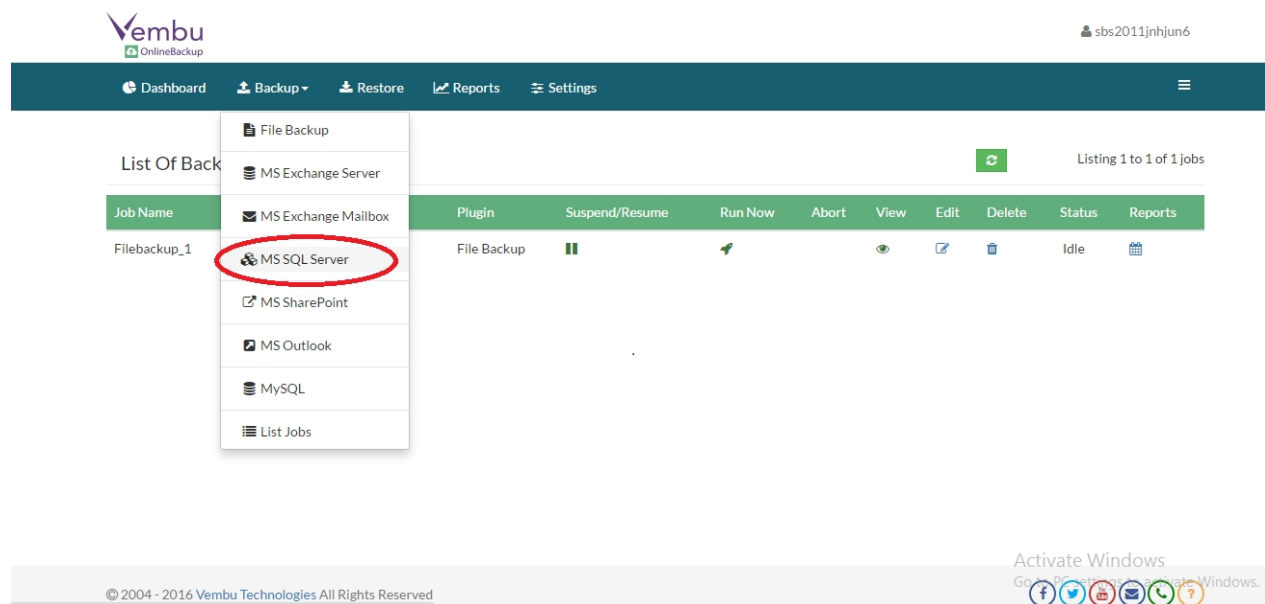


clicking 'Run Backup' option.

## Vembu OnlineBackup User Guide

### MS SQL Server Backup

The default instance and named instances of SQL Server 2000, SQL Server 2005 and SQL Server 2008 will be auto detected and listed for backup. However in some case, MSDE and SQL Server Express edition instances will not be listed automatically for backup. This section gives you information on how to add the MS SQL Server instances for backup which were not listed automatically in the Add SQL Server Backup page.



#### Requirements:

- MS SQL Server 2000 / MS SQL Server 2005 / MS SQL Server 2008
- Vembu OnlineBackup
- To backup a MS SQL Server database(s) you need to install Vembu OnlineBackup on the machine running Microsoft SQL Server

It is highly recommended to include all the system and user databases in the SQL Server database backup schedules. In case of a complete system failure, it will be necessary to restore the system databases along with user databases in order to recreate the SQL Server environment.

System database backup enables rebuilding the system in case of a system or database failure. The master databases should be backed up separately from other system databases as only full backups of master databases are allowed.

- The SQL Server system database(s) are: master, msdb, model and tempdb. It is important to have regular backups of these system databases except tempdb.
- Since tempdb is rebuilt each time when a SQL server restarts and is deleted permanently when server shuts down, it is not required to be backed up.
- And Model database needs to be backed up, only if customized.

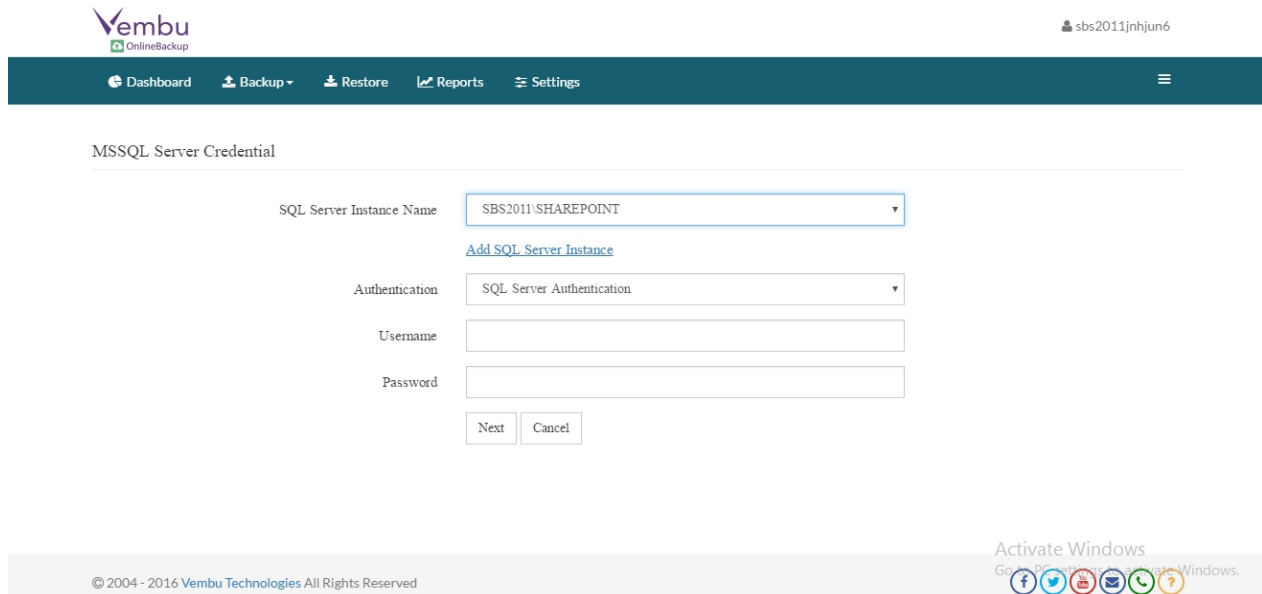


## Step 1- Select MS SQL Server:

- Go to 'Backup → MS SQL Server'
- Select a SQL server Instance name (i.e MS SQL instance which is to be backed up)

Choose yes or no for the option 'continue with previous authentication for SQL instance' based on requirement:

- If Yes- Proceed to Configure Database.



MSSQL Server Credential

SQL Server Instance Name: SBS2011\SHAREPOINT

[Add SQL Server Instance](#)

Authentication: SQL Server Authentication

Username:

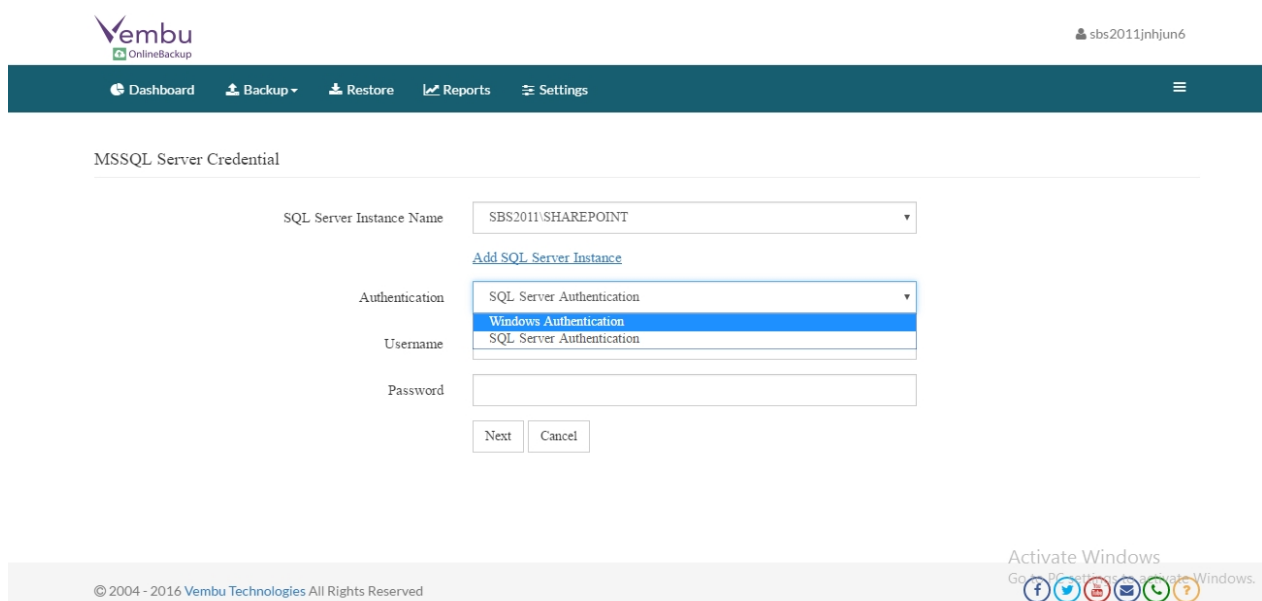
Password:

Next Cancel

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Activate Windows  
Go to Settings to activate Windows.

- If No- Provide new authentication credentials based on choice:
  - If windows authentication is selected click Next
  - If MS SQL authentication is selected, provide user credentials for that instance and click Next



MSSQL Server Credential

SQL Server Instance Name: SBS2011\SHAREPOINT

[Add SQL Server Instance](#)

Authentication: Windows Authentication

Username: SQL Server Authentication

Password:

Next Cancel

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Activate Windows  
Go to Settings to activate Windows.



## Step 2- Configure Database:

- A page that lists selected MS SQL server database is shown.

- Select the appropriate option required for database selection. Once done, click proceed.

## Step 3- Configure Scheduling:

- Run Once-** This option will run full backup only once
- Run Daily-** This option will run full backup once in a day
- Run Weekly-** This option will run full backup once in a week. User can select week day and time on which the full backup should run
- Run Monthly-** This option will run full backup once in a month. User can select time, day and month during when the backup should run. This is the default and recommended configuration



## Step 4- Configure additional scheduling:

Vembu OnlineBackup

sbs2011jnhjun6

Dashboard Backup Restore Reports Settings

Choose Database(s) Configure Full Backup Scheduling **Configure Additional Scheduling** Review Configurations Progress Details

Configure Differential and Transaction Log Scheduling

Differential Backup(optional) ☒ [Edit](#)  
Run Weekly At - 09:00 pm On - Sun Mon Tue Wed Thu Fri Sat

Transaction Log Backup(optional) ☒ [Edit](#)  
Run Every 01 Hours 00 Mins On - Sun Mon Tue Wed Thu Fri Sat

Temporary location for backup dumps  [Add Mapped Drive](#)  
eg -Windows:E:/restore/

[Previous](#) [Next](#)

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Activate Windows  
Go to Settings to activate Windows

There are two backup types available that are optional and can be disabled if required:

- Differential backup
- Transaction log

Based on requirement edit these additional settings, but make sure these additional scheduling stays less than full backup schedules.

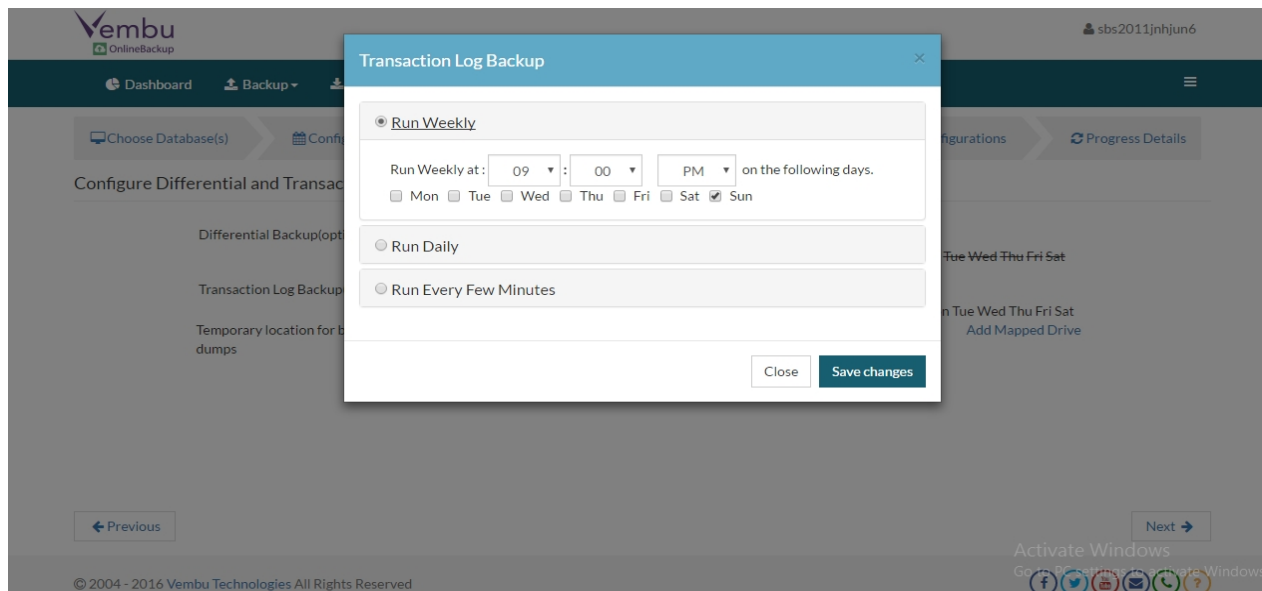
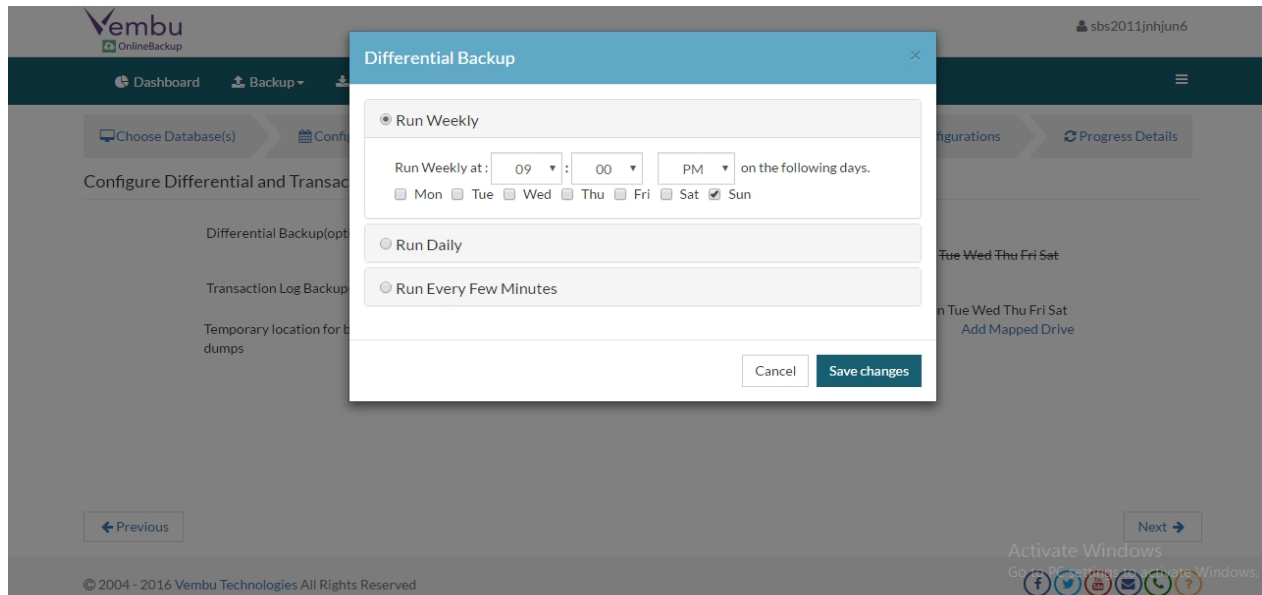
**Note:** User cannot assign the same time for both full backup schedule and additional schedule.

**Differential-** Backups the changes made after first initial full backup in every schedule.

**Transactional-** Transactional logs are same as differential backups where it backups the changed logs alone.

**Scheduling:**





- **Run Weekly-** This option lets user select the day and time of a week when to run the scheduled backup. User can also select more than a day in a week for schedule.
- **Run Daily-** This option lets user to provide a specific time to trigger backup on a daily basis.
- **Run Every Few Hours-** This option lets user decide the time period in which backup schedules should be carried out. Additionally, it allows to configure days in a week and decide when to and when not to backup.

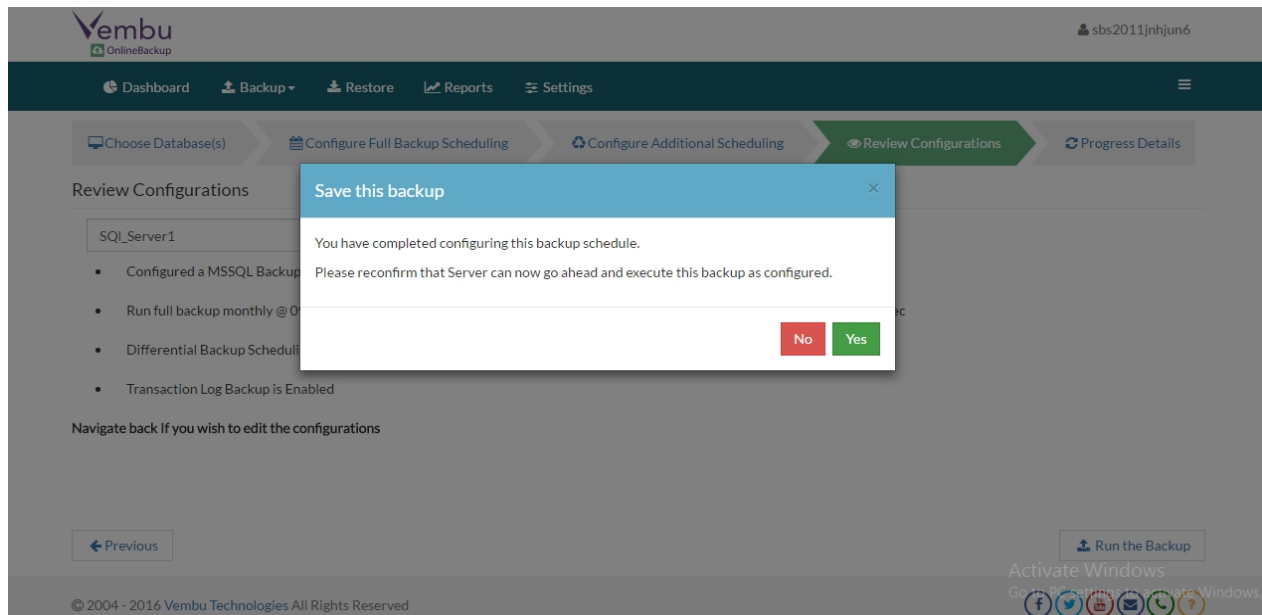
### Temporary location for backup dumps:

Enter the location/directory path in which the MS SQL dumps has to be temporarily stored, before uploading to backup server. Ensure you have enough disk space in the configured location(where the backup dump has to be saved).

**Note:** Backup dumps stored in temporary location will be deleted once backup dumps are transferred successfully to the remote backup server.



## Step 5- Run Backup:



Make sure the provided details are correct by reviewing configuration and provide an appropriate name for backup job. Once done, proceed to schedule the backup job by clicking 'Run Backup' option.

## Vembu OnlineBackup User Guide

### MySQL Backup

Vembu OnlineBackup supports MySQL DB backups using internal MySQLDump utility(mysql\_dump) that comes by default with MySQL installation. Vembu OnlineBackup supports Full(entire MySQL database) and incremental(Changes made after each backup schedule) backups for MySQL database while data is online and accessible.

**Note:** Vembu OnlineBackup uses mysqldump for dumping database during backup schedule(For both full and incremental) and uploads the local dump to backup server.

### Step 1- Configure Databases

- Go to 'Backups → MySQL'



Choose the database(s) you wish to configure

- ☐ Select All Databases
- ☐ information\_schema
- ☒ mysql
- ☒ performance\_schema
- ☒ sgdatabase
- ☐ test

Previous Next

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- Select the database you wish to configure as backup and proceed to configure scheduling.

## Step 2- Configure Scheduling

Select how frequently you want to run backup

Run Every

Run Daily

Run Weekly 09 00 PM

on the following days.

☒ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☒ Sat

Run Once

Backup Type: Vembu Cloud

Previous Next

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Users can configure their backup schedules flexibly based on their requirement. They can choose from Hourly/Daily/Weekly options for backup schedules.

**Run Every-** Lets user decide the hour frequency at which backup schedule should be triggered. It also let user decide the days when the hourly schedules should be carried out.

**Run Daily-** Allows user to set a specific time in a day to trigger backup schedule.

**Run Weekly-** Lets user decide the days when a backup schedule can be triggered in a week and choose a time period as well.

**Run Once-** User can also configure a one time scheduled backup job which can also be triggered manually when needed.





## Server configuration- Select Backup Server:

- This option lists and lets you add the peers/backup servers to which the backup data are to be sent and stored.
- Once a backup server is configured and backup is initiated, it cannot be changed. If there's a change in server name or IP address in future, you can use seed backup migration page.

**Test connectivity-** Before choosing the backup server for scheduling backups, it is recommended to test connectivity status of the server. This ensures that backup server is all set to receive backups from particular client and there is no interruption in processing backup.

**Add Backup Server-** If a server you want to schedule backups, is not configured; Add the server using the 'Add Backup Server' option.

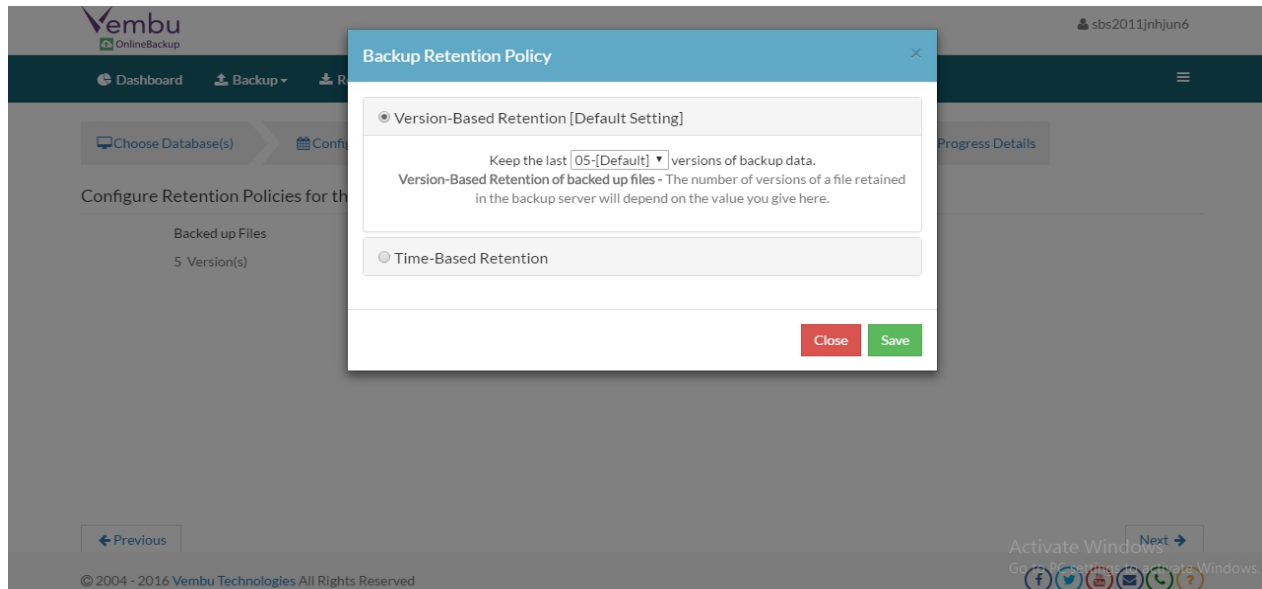
## Step 3- Configure Retention:

By default, retention count is defined to be 5 versions, which can also be customized based on user requirement.

Retention feature helps in having multiple versions for a backed up file stored in backup server. Vembu OnlineBackup provides retention with two types of retention policies:

- Version-Based retention
- Time-Based retention





### Retention policy for backed up files

#### Version-Based Retention:

This option lets Vembu OnlineBackup retain multiple versions for a backed up file based on version count. The default value chosen is 5, while it can have any value chosen between 0 to 99.

#### Time-Based Retention:

This option lets Vembu OnlineBackup retain multiple versions for a backed up file based on its age. The default value chosen is for 5 years(version files will be retained for 5 years) and can be configured based on user requirement with two options:

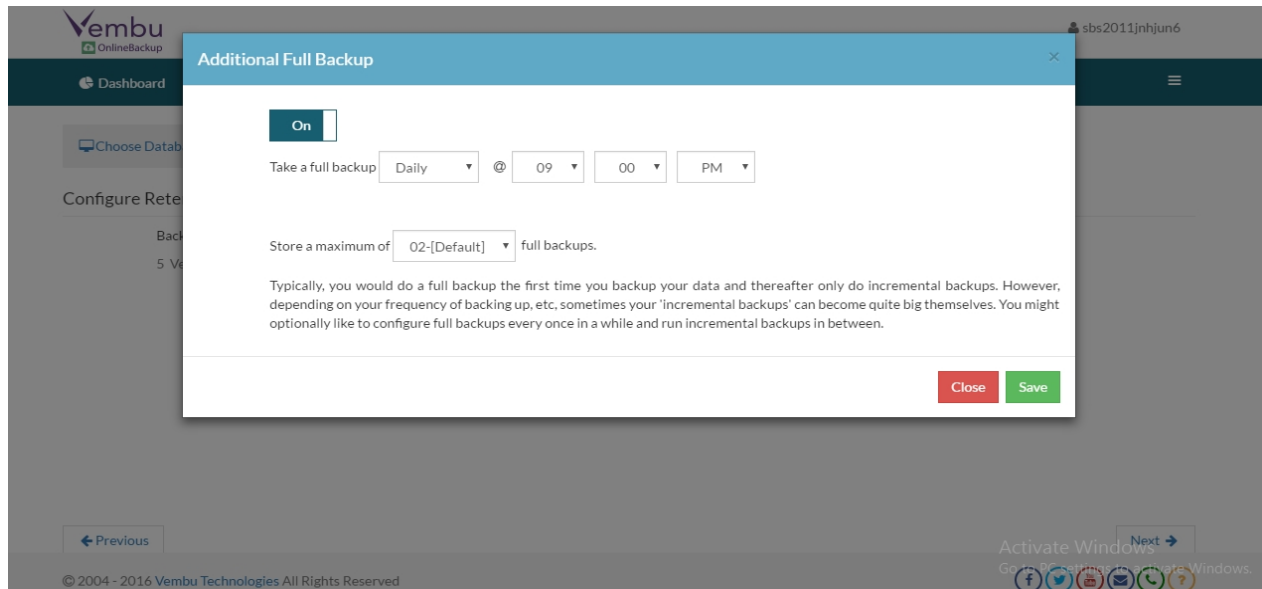
**Any number of versions can be created within retention period-** This is the default setting chosen where Vembu OnlineBackup can create n number of version files within the specified retention period.

**Restrict maximum number of versions that can be created within retention period-** This option if enabled, lets user define a value for retention version file to be maintained for the specified time period. If exceeded, the oldest file will get removed with the entry of new version.

#### Additional Full Backup:

In a enterprise background, configuring a backup job with one full backup and forever incremental will not be a recommended practice. Users from such background will tend to configure additional full backups periodically and that can be automated with our additional backup option.





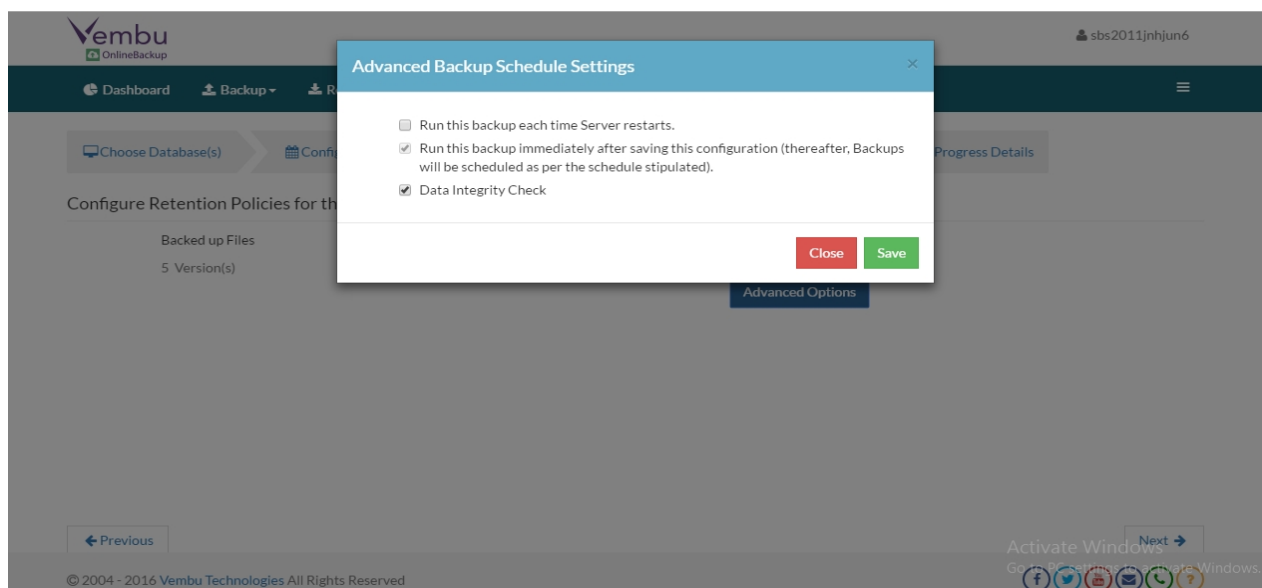
### Additional Full Backups can be configured in following order of scheduling:

- Run Daily and Run every few hours schedules- Configuring daily/weekly/monthly additional full backups is possible.
- For Run Weekly schedule- Only possible additional full backup is 'Monthly full backup'.
- For Run Once schedule- You cannot configure additional full backup.

**Note:** Users can also limit the number of full backups to be retained with 'Store a maximum of' option. With this option, users can share the unwanted storage data occupied based for a time period. For example, a user needing no more than 6 months of data retainment can configure 6 monthly full backups where the 1st additional full backup will be deleted on the 7th month when a new full backup completes successfully.

### Advanced Options(Optional):

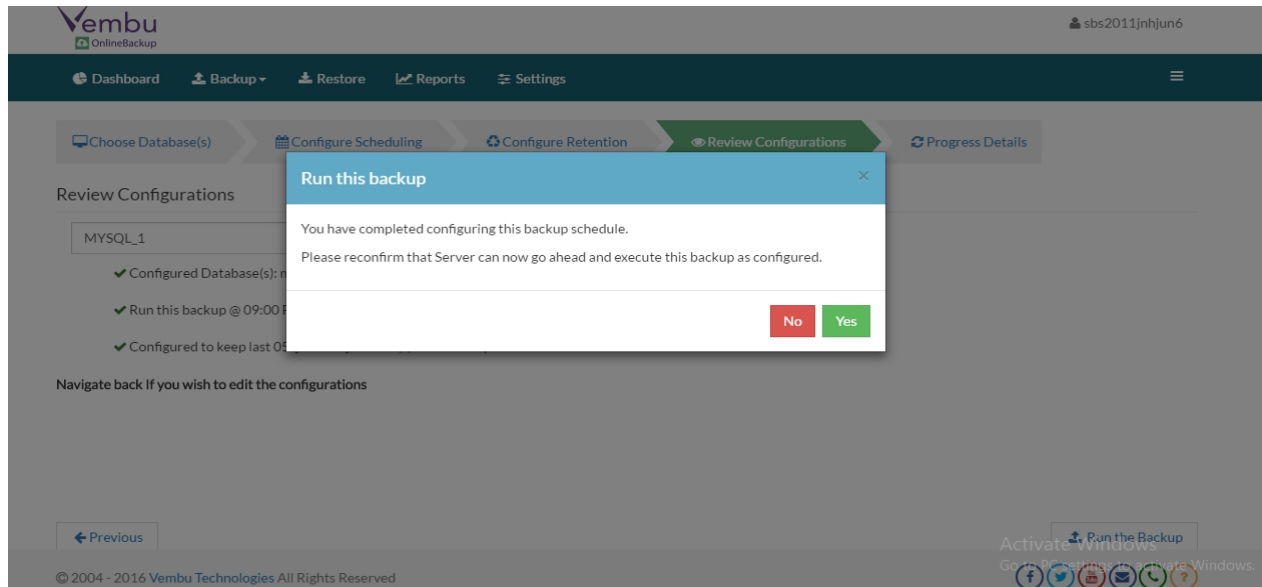
#### Advanced Backup Schedule Settings:



This option let you configure additional settings such as:

- Running backup schedule each time Vembu OnlineBackup restarts.
- Running backup immediately after saving configuration(This setting is triggered even when backup settings are edited later after few backup schedules).
- Performing data integrity check.

## Step 4- Run Backup:



Review the configuration provided and enter an appropriate name for the backup schedule. Once done, click 'Run Backup' to initiate the backup progress as per schedule configured and it gets completed successfully.

## Vembu OnlineBackup User Guide

### MS Outlook Backup

Using MS Outlook plugin Vembu OnlineBackup backs up emails configured in outlook profile along with rules, at folder level. The data(folder or sub-folder) is extracted from MS outlook PST into \*.PST files and dumped locally. This local dump is then transferred to backup server and once transfer completes successfully, the dump will be deleted.

#### Requirements:

- Microsoft Outlook 2007 / 2010/ 2013

**IMPORTANT:** VembuOnlineBackup Client(agent) must run under the same user account as Outlook profile. By default, VembuOnlineBackup client is installed to run as a service under Local System Account and is required to change user login from Windows services management console.

### Configuring Backup:

- Go to 'Backup → MS Outlook'



## Step 1- Configure Outlook:

- Select backup source from the expanded list, by checking the checkbox and proceed with configuration.

Vembu OnlineBackup

sbcb\_2012nj

Dashboard Backup Restore Reports Settings

Choose Outlook Configure Scheduling Choose Temporary Location Review Configurations Progress Details

Choose the backup source

Select Backup Source

☐ Microsoft Outlook [test]

Previous Next

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Activate Windows

## Step 2- Configure Scheduling:

- Users can configure their backup schedules flexibly based on their requirement. They can choose from Hourly/Daily/Weekly options for backup schedules.

Vembu OnlineBackup

sbcb\_2012nj

Dashboard Backup Restore Reports Settings

Choose Outlook Configure Scheduling Choose Temporary Location Review Configurations Progress Details

Select how frequently you want to run full backup

☐ Run Hourly

☐ Run Daily

☒ Run Weekly

on the following days.

☐ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☒ Sat

☐ Run Monthly

Backup Type

Vembu Cloud

Full Backup Retention

Max. No. of Full backups to be retained in the server

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Activate Windows

- **Run Hourly-** Lets user decide the hour frequency at which backup schedule should be triggered. It also let user decide the days when the hourly schedules should be carried out.
- **Run Daily-** Allows user to set a specific time in a day to trigger backup schedule.
- **Run Weekly-** Lets user decide the days when a backup schedule can be triggered in a week and to choose a time period as well.
- **Run Monthly -** This option will let user run full backup once a month and user can specify



the day, time and month of their choice for full backup schedules.

**Note:** Run Monthly is the recommended and default configuration.

### Server configuration- Select Backup Server:

- This option lists and lets you add the peers/backup servers to which the backup data are to be sent and stored.
- Once a backup server is configured and backup is initiated, it cannot be changed. If there's a change in server name or IP address in future, you can use seed backup migration page.

**Test connectivity-** Before choosing the backup server for scheduling backups, it is recommended to test connectivity status of the server. This ensures that backup server is all set to receive backups from particular client and there is no interruption in processing backup.

**Add Backup Server-** If a server you want to schedule backups, is not configured; Add the server using the 'Add Backup Server' option.

Additionally users can also specify the maximum number of full backups to be retained. By default, the value is set to 2.

### Step 5- Temporary location & incremental scheduling:

The screenshot displays the Vembu OnlineBackup web interface. The top navigation bar includes links for Dashboard, Backup, Restore, Reports, and Settings. The user is logged in as 'sbc\_2012nj'. The main content area shows a progress bar with five steps: Choose Outlook, Configure Scheduling, Choose Temporary Location (current step), Review Configurations, and Progress Details. Below the progress bar, the text 'Select how frequently you want to run incremental backup' is displayed. The 'Temporary location for backup dumps' field is set to 'C:/Program Files/Vembu/Vei' with an 'Add Mapped Drive' button. The 'Incremental Backup Scheduling' section shows 'Run Daily At - 10:00 pm' with an 'Edit' button and an 'Advanced Options' button. At the bottom, there are 'Previous' and 'Next' navigation buttons, a copyright notice '© 2004 - 2016 Vembu Technologies All Rights Reserved', and social media icons.

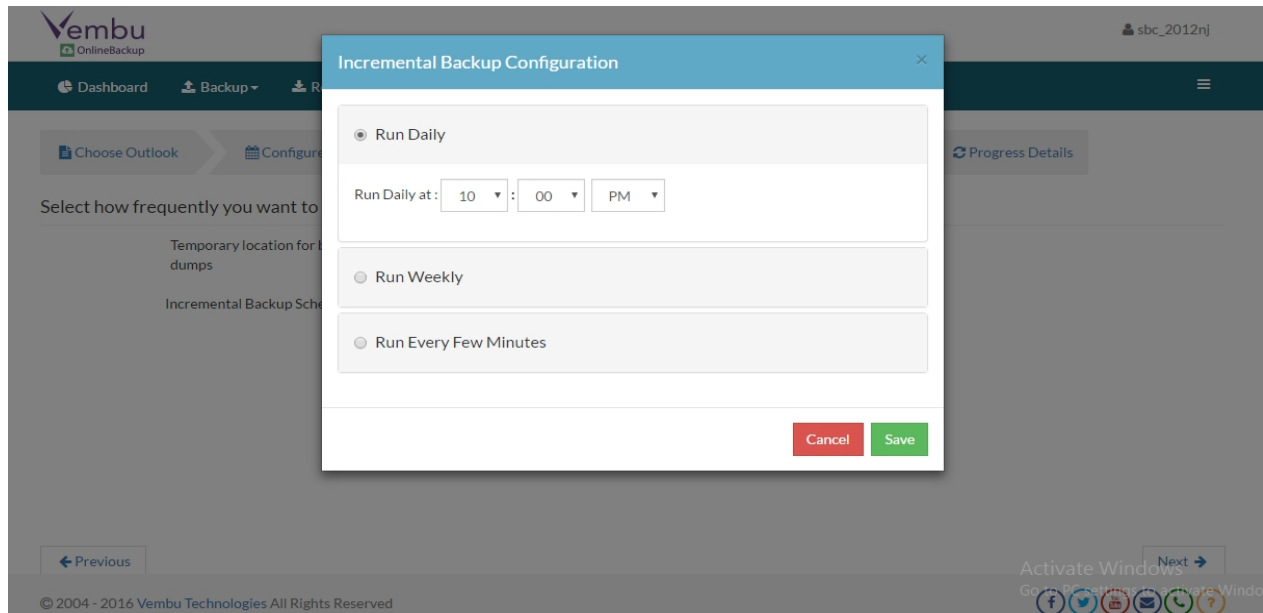
### Temporary location for backup dumps:

Enter location/directory path for backup dumps or add a mapped drive in which Outlook dumps can be stored temporarily before uploading to backup server. Please ensure you have enough storage space on configured disk(where backup dump is to be stored) and the backup dump will be deleted from temporary location, once data transfer to remote backup server completes successfully.

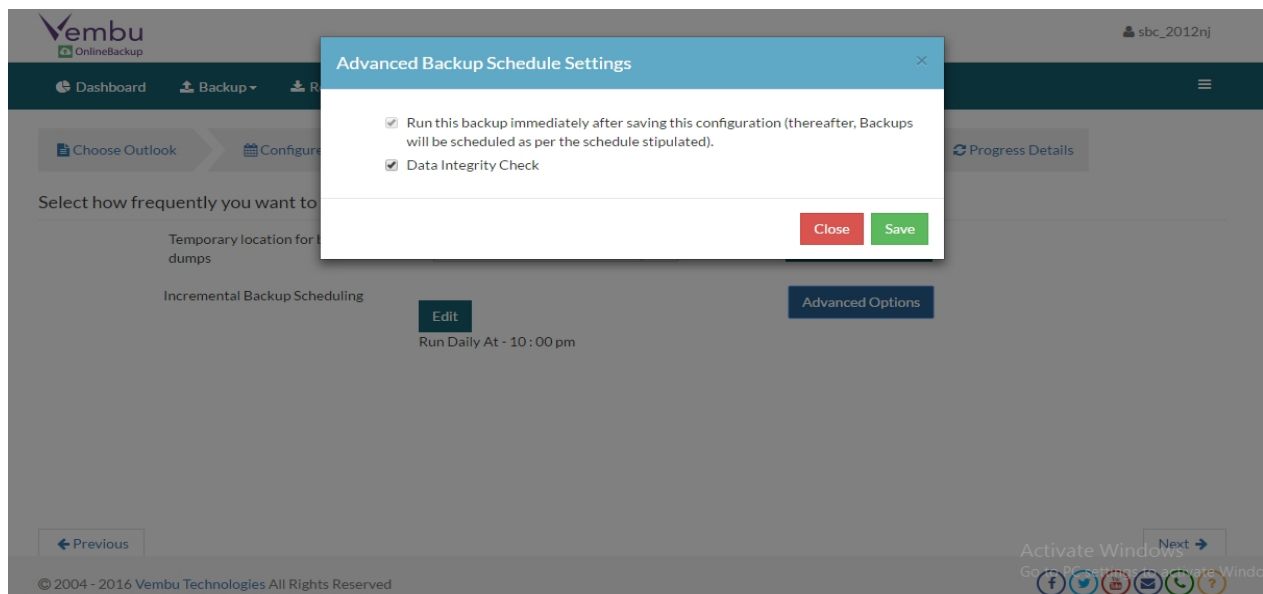


## Incremental Backup Scheduling:

- **Run Daily-** Lets user choose a specified time during when incrementals are triggered every day.
- **Run Weekly-** Lets user choose time and days in a week when backup should be carried out. User can choose more than a day in a week, if required.
- **Run Every few hours/minutes-** Lets user specify a time interval in minutes/hours at which incremental schedules are carried out. In addition, you can choose the days you wish the backup to run in a weekly basis.



## Advanced Options(Optional):



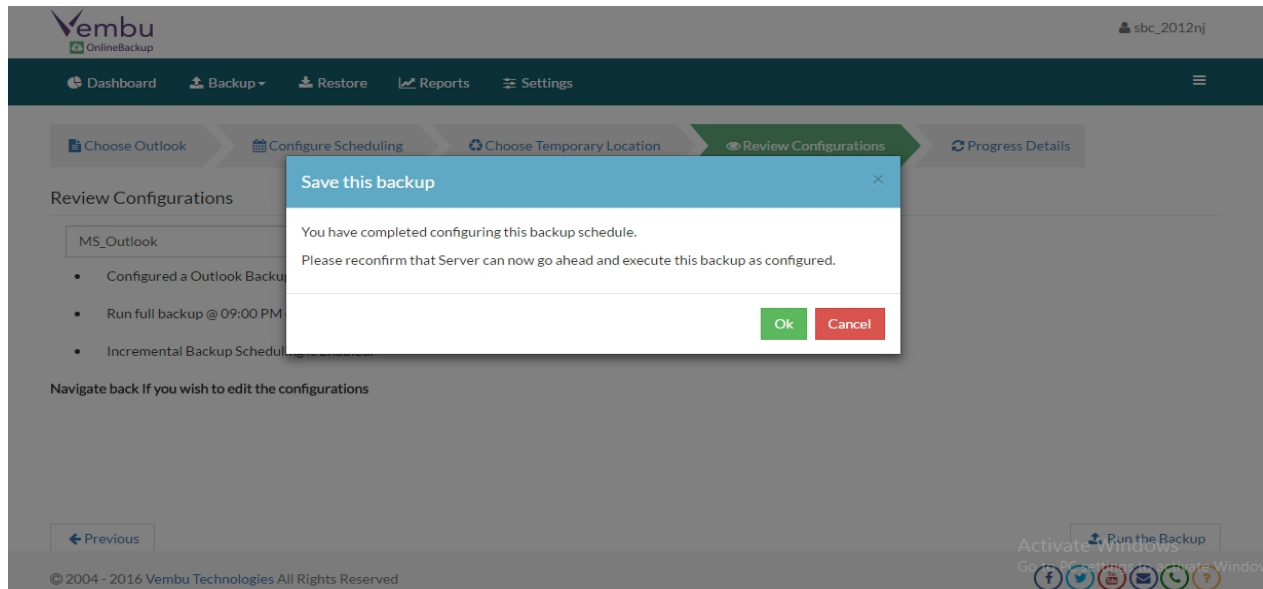
## Advanced Backup Schedule Settings:



This option lets user configure additional settings such as:

- Running backup immediately after saving configuration (This setting is triggered even when backup settings are edited later after few backup schedules).
- Performing data integrity check.

## Step 5- Run Backup:



Review the configuration provided and enter an appropriate name for the backup schedule. Once done, click 'Run Backup' to initiate the backup progress as per schedule configured and it gets completed successfully.

## Vembu OnlineBackup User Guide

### MS SharePoint Backup

Vembu OnlineBackup can be configured to backup SharePoint sites available in local machine and use internal SharePoint tool: 'Stsadm.exe' to list, dump and backup SharePoint site collections.

#### Requirement:

Vembu OnlineBackup supports site-collection level backup for SharePoint versions:

- SPS2003/WSS2.0
- MOSS2007/WSS3.0
- MS SharePoint 2010 and
- MS Sharepoint 2013

#### Configuring Backup:

- Go to 'Backup → SharePoint'





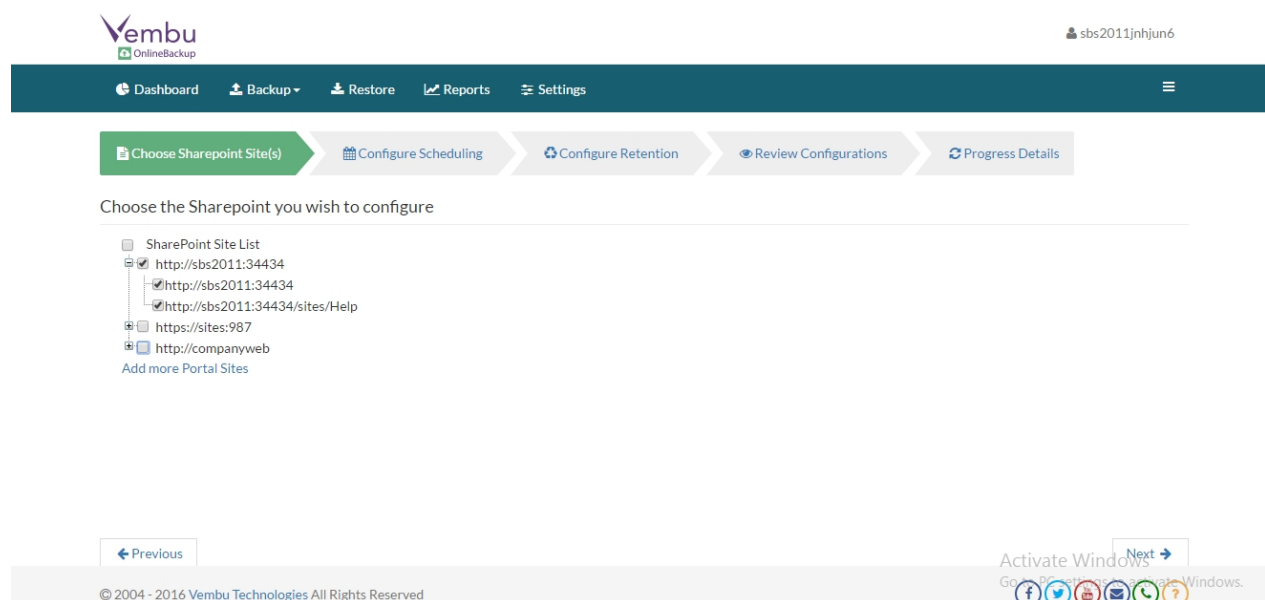
## Pre-requisites of SharePoint Backup:

- For MOSS2007/WSS3.0 and MS SharePoint 2010, all web-applications will be listed automatically in "Add SharePoint Site Backup" page, if STSADM.EXE path and other settings are valid.
- For SPS2003/WSS2.0, configure SharePoint settings in "Settings → Credentials → SharePoint Credentials" before configuring SharePoint backup and add portal sites that are to be listed for backup.

**Note:** If SharePoint sites are not listed in 'Add SharePoint Site Backup' page, read SharePoint settings help document for more details.

## Step1- Select SharePoint Site:

Select the sites that needs to be backed up from the displayed list of sites in SharePoint server.



## Step 2- Scheduling:

- **Run Every-** Lets user decide the hour frequency at which backup schedule should be triggered. It also let user decide the days when the hourly schedules should be carried out.
- **Run Daily-** Allows user to set a specific time in a day to trigger backup schedule.
- **Run Weekly-** Lets user decide the days when a backup schedule can be triggered in a week and choose a time period as well.
- **Run Once-** User can also configure a one time scheduled backup job which can also be triggered manually when needed.



Select how frequently you want to run backup

☒ Run Every
  Hrs:  Mins
 

Backup Type  
Vembu Cloud

on the following days.

☒ Sun
 ☒ Mon
 ☒ Tue
 ☒ Wed
 ☒ Thu
 ☒ Fri
 ☒ Sat

☐ Run Daily  
☐ Run Weekly  
☐ Run Once

[< Previous](#)
[Next >](#)

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### Select Backup Server:

- This option lists and lets you add the peers/backup servers to which the backup data are to be sent and stored.
- Once a backup server is configured and backup is initiated, it cannot be changed. If there's a change in server name or IP address in future, you can use seed backup migration page.

**Add Backup Server-** If a server you want to schedule backups, is not configured; Add the server using the 'Add Backup Server' option.

### Step 3- Configure Retention:

#### Temporary location for backup dumps:

Enter the location/directory path in which the MS SharePoint dumps has to be temporarily stored before uploading to backup server. Ensure you have enough disk space in the configured location (where the backup dump has to be saved).

**Note:** Backup dumps stored in temporary location will be deleted once backup dumps are transferred successfully to the remote backup server.

#### Temporary Dump Path Details:

Temporary dump files will be stored in following name pattern:

<Temporary\_Dump\_Location>\<Backup\_Name>\<Portal\_Site\_Name>  
 \<Site\_Collection\_Name>\<Site\_Collection\_Name>.dat

**Note:** Portal site name and site collection name will be modified as per following rules and will be used as file/folder name.

- The character colon (:) in the portal site URL will be replaced with "@".
- The Characters \<>/\*?| and space characters in the portal site/site collection will be replaced with underscore(\_). Other characters will remain the same.
- "http://" or "https://" will be removed.



**Example:**

Take portal URL: "http://winserver3:9090"

One of site collections under it: "http://winserver3:9090/sites/first-No.1 site"

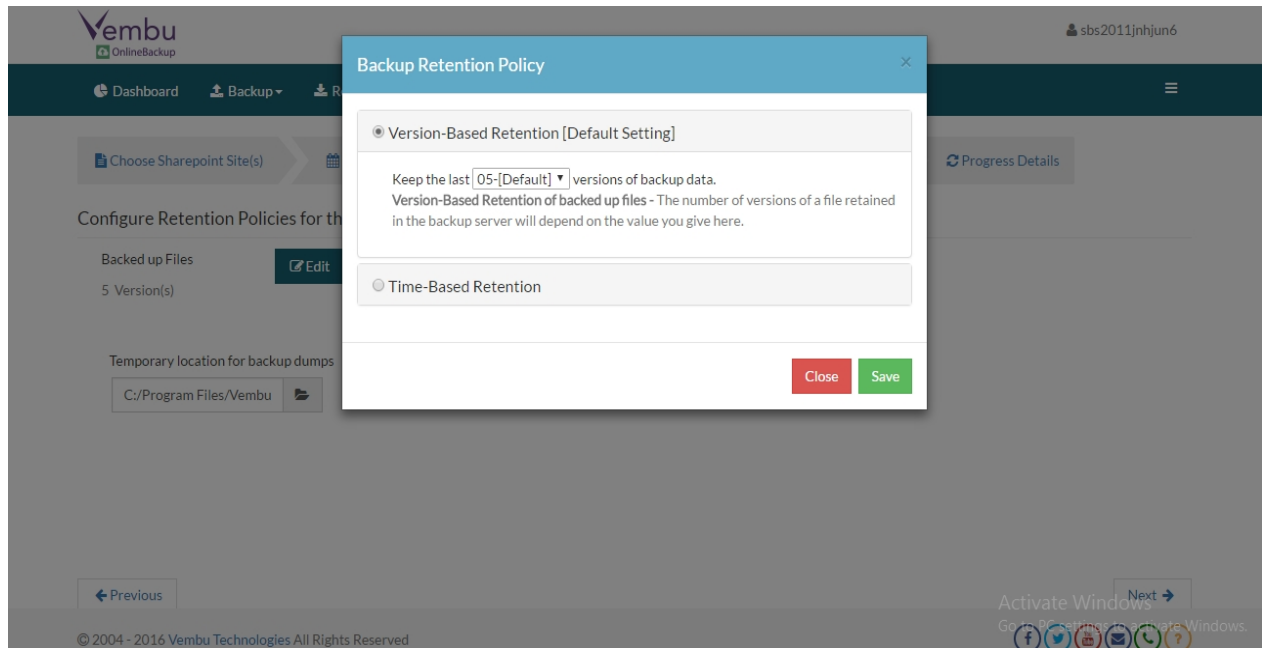
Temporary dump path: "C:/TEMPORARYDUMP"

Backup name: "MyShareBackup"

**The dump file will be of following name:**

C:\TEMPORARYDUMP\MyShareBackup\winserver3@9090\winserver3@9090\_sites\_first-No.1 site\winserver3@9090\_sites\_first-No.1 site.dat

**Note:** Backup file for a site collection will have ".dat" extension

**Version-Based Retention:**

This option lets Vembu OnlineBackup retain multiple versions for a backed up file based on version count. The default value chosen is 5, while it can have any value chosen between 0 to 99.

**Note:** Backup version can be 0 with intelli-delta backup disabled in advanced option. This is useful when a user wish to store the latest version of a file alone completely.

When intelli-delta option is disabled, Vembu OnlineBackup will backup entire file in each incremental (if file was modified) and keeps multiple versions of the complete file based on retention configured.

**Time-Based Retention:**

This option lets Vembu OnlineBackup retain multiple versions for a backed up file based on its age. The default value chosen is for 5 years (version files will be retained for 5 years) and can be configured based on user requirement with two options:

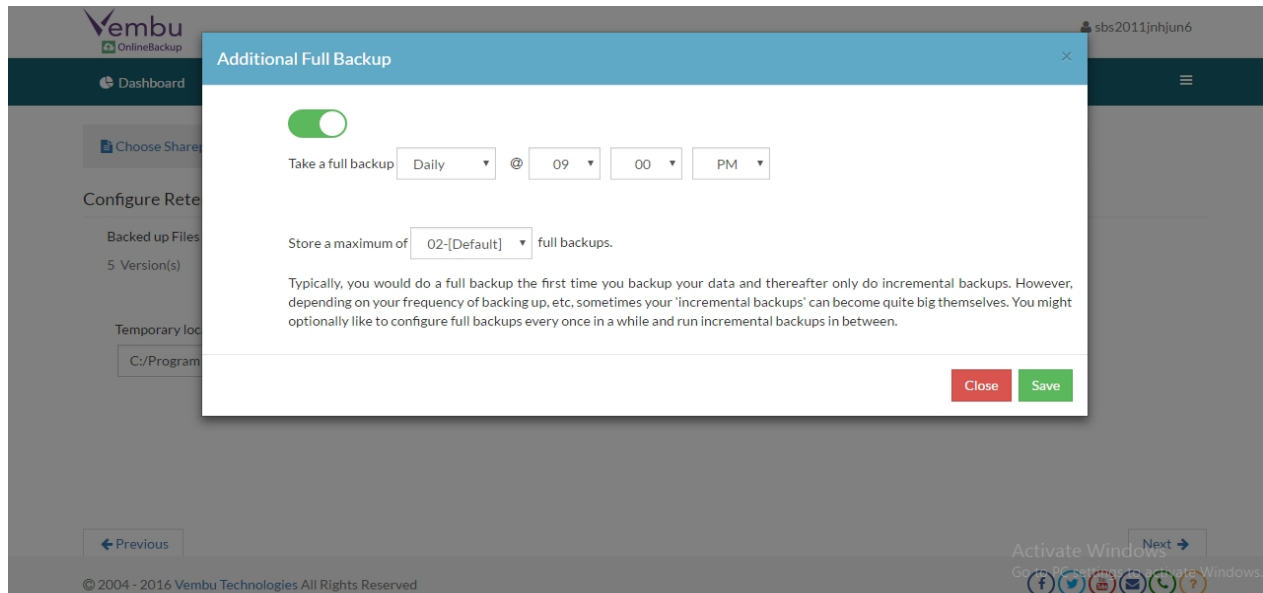
**Any number of versions can be created within retention period-** This is the default setting chosen, where Vembu OnlineBackup can create n number of version files within the specified



retention period.

**Restrict maximum number of versions that can be created within retention period-** This option if enabled, lets user define a value for retention version file to be maintained for the specified time period. If exceeded, the oldest file will get removed with the entry of new version.

### Additional Full Backup:



In an enterprise background, configuring a backup job with one full backup and forever incremental will not be a recommended practice. Users from such background will tend to configure additional full backups periodically and that can be automated with our additional backup option.

### Additional Full Backups can be configured in following order of scheduling:

- For Continuous, Run Daily and Run every few hours schedules- Configuring daily/ weekly/monthly additional full backup is possible.
- For Run Weekly schedule- Only possible additional full backup is 'Monthly full backup'.
- For Run Once schedule- You cannot configure additional full backup. (Check this please)

**Note:** Users can also limit the number of full backups to be retained with 'Store a maximum of' option. With this option, users can share the unwanted storage data occupied based for a time period. For example, a user needing no more than 6 months of data retainment can configure 6 monthly full backups where the 1st additional full backup will be deleted on the 7th month when a new full backup completes successfully.

### Advanced Options (Optional)

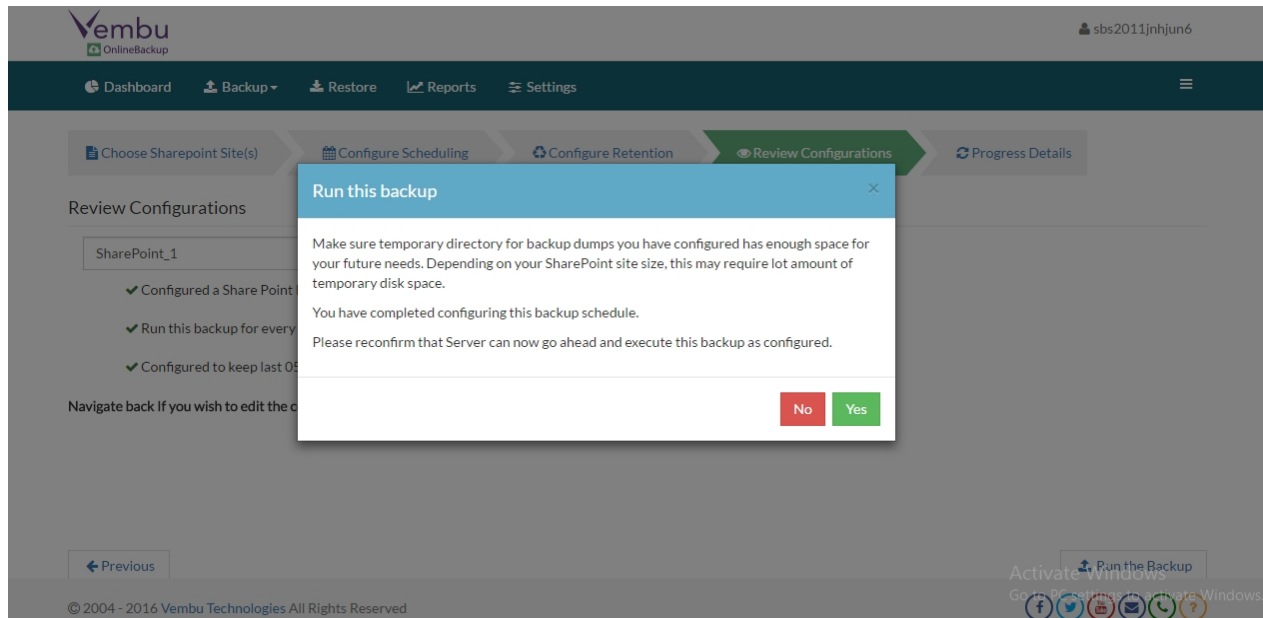
#### Advanced Backup Schedule Settings

This option let you configure additional settings such as:



- Running backup schedule each time when Vembu OnlineBackup restarts.
- Running backup immediately after saving configuration (This setting is triggered even when backup settings are edited later after few backup schedules).
- Performing data integrity check.

## Step 4- Run Backup:



Review the configuration provided and enter an appropriate name for the backup schedule. Once done, click 'Run Backup' to initiate the backup progress as per schedule configured and it gets completed successfully.

## Vembu OnlineBackup User Guide

### Recovery

- [File Restore](#)
- [MS Exchange Server Restore](#)
- [MS Exchange Mailbox Restore](#)
- [MS SQL Server Restore](#)
- [MySQL Restore](#)
- [MS Outlook Restore](#)
- [MS SharePoint Restore](#)

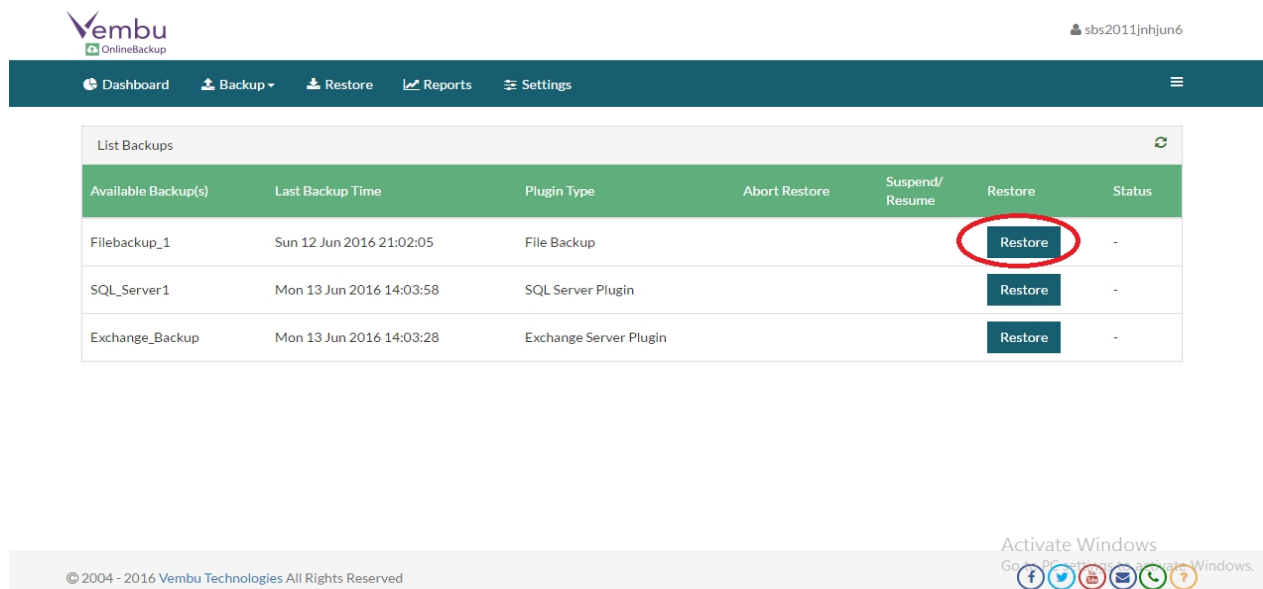
## Vembu NetworkBackup User Guide

### File Restore

## Step 1- Get started:

- Click restore option alongside the backup you want to restore.





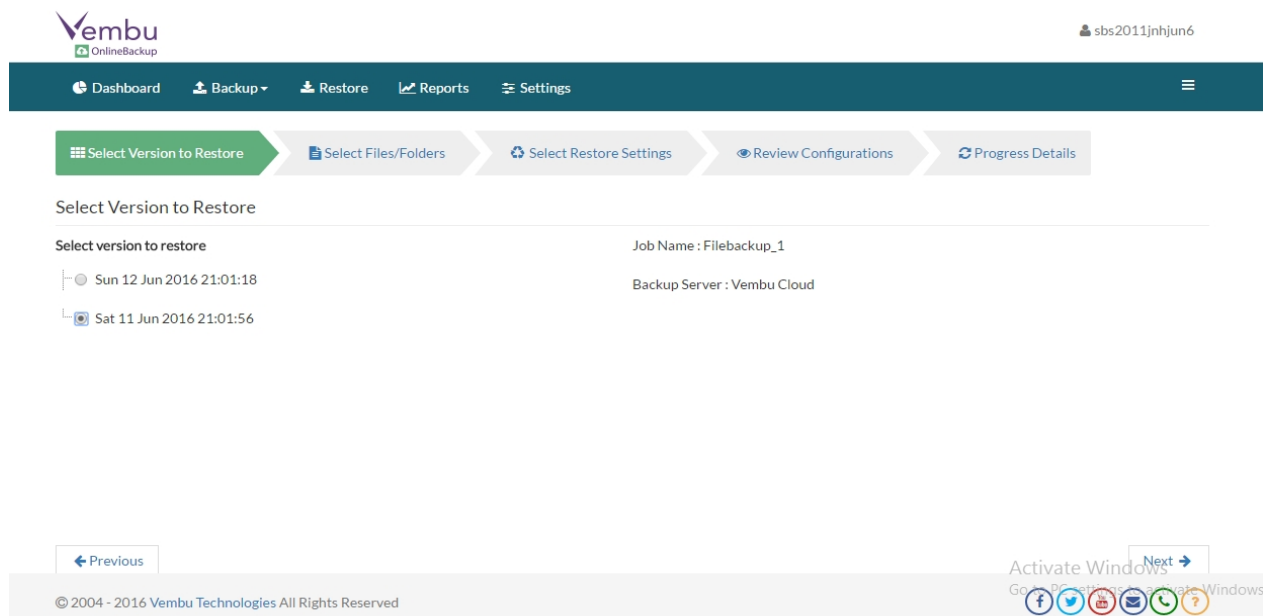
The screenshot shows the Vembu OnlineBackup dashboard. The top navigation bar includes links for Dashboard, Backup, Restore, Reports, and Settings. The main content area displays a table titled 'List Backups' with the following columns: Available Backup(s), Last Backup Time, Plugin Type, Abort Restore, Suspend/Resume, Restore, and Status. The table lists three backups: Filebackup\_1, SQL\_Server1, and Exchange\_Backup. The 'Restore' button for Filebackup\_1 is highlighted with a red circle.

Available Backup(s)	Last Backup Time	Plugin Type	Abort Restore	Suspend/Resume	Restore	Status
Filebackup_1	Sun 12 Jun 2016 21:02:05	File Backup			<a href="#">Restore</a>	-
SQL_Server1	Mon 13 Jun 2016 14:03:58	SQL Server Plugin			<a href="#">Restore</a>	-
Exchange_Backup	Mon 13 Jun 2016 14:03:28	Exchange Server Plugin			<a href="#">Restore</a>	-

## Step 2- Select Version:

A tree listing various backup timestamps with the full backup as its parent node will be displayed. This list generated is based on incremental and retention configured. If additional full backup is configured, then there will be more than one parent node list based on the configuration.

- Select the time-stamp from which you want to restore data and proceed to select files/folders.

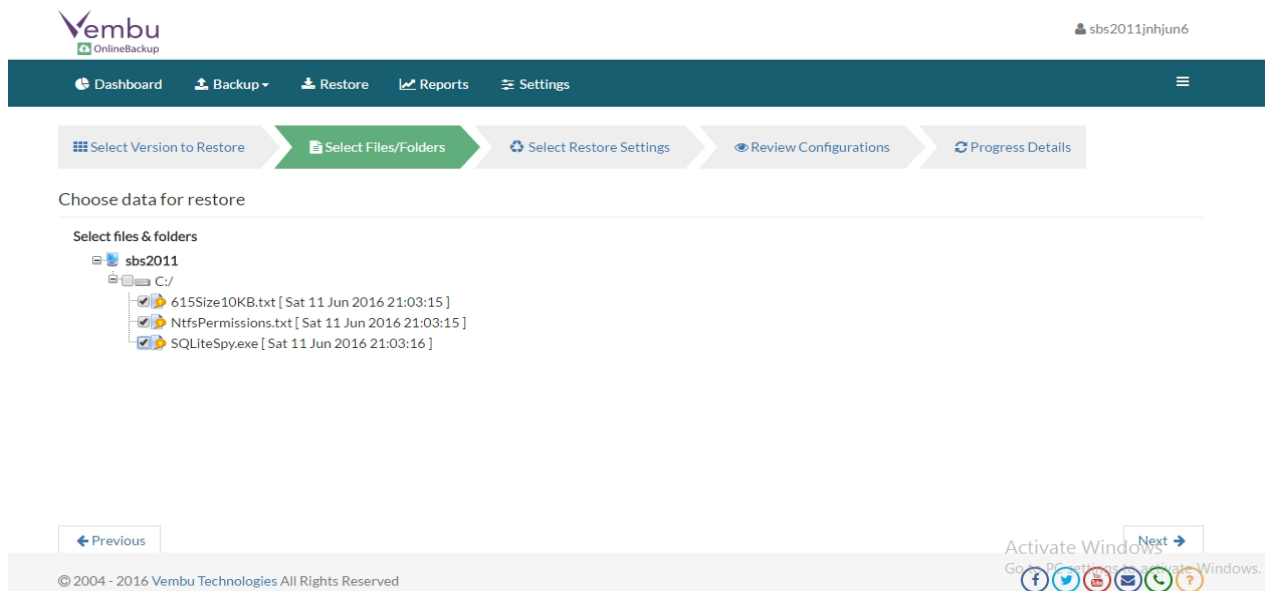


The screenshot shows the 'Select Version to Restore' screen in the Vembu OnlineBackup dashboard. The progress bar at the top indicates the current step: 'Select Version to Restore'. The main content area shows a list of backup versions for 'Filebackup\_1'. The 'Select version to restore' section lists two versions: 'Sun 12 Jun 2016 21:01:18' and 'Sat 11 Jun 2016 21:01:56'. The 'Job Name' is 'Filebackup\_1' and the 'Backup Server' is 'Vembu Cloud'. A 'Next' button is visible at the bottom right.

## Step 3- Select Files/Folders:

A tree list with backed up files and folders based on chosen time-stamp will be displayed.

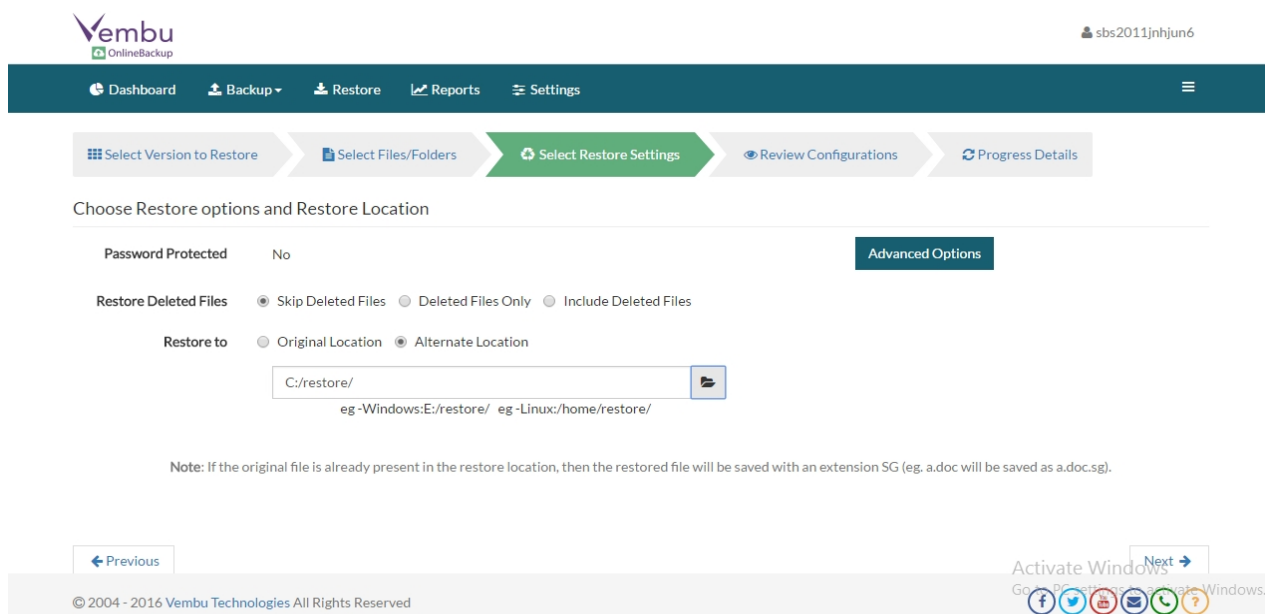




You can select files/folders in 3 ways. You can either:

- Select the root folder to proceed restoring entire backed up data for the chosen time-stamp.
- Select specific files and folders alone based on requirement and proceed with restore.
- Using filter option, you can filter files by file types with extensions(Ex: \*.doc). Filtering more than one file type can be done by separating them with a comma (Ex: \*.doc, \*.pdf and so on).

#### Step 4- Select Restore Settings:



**Password-** If backup is password protected, provide the respective password.

**Restore machine-** The client machine where backup data has to be restored.

**Restore deleted files-** This gives 3 options to choose from:

- Skip deleted files (Restore backup data skipping deleted files)

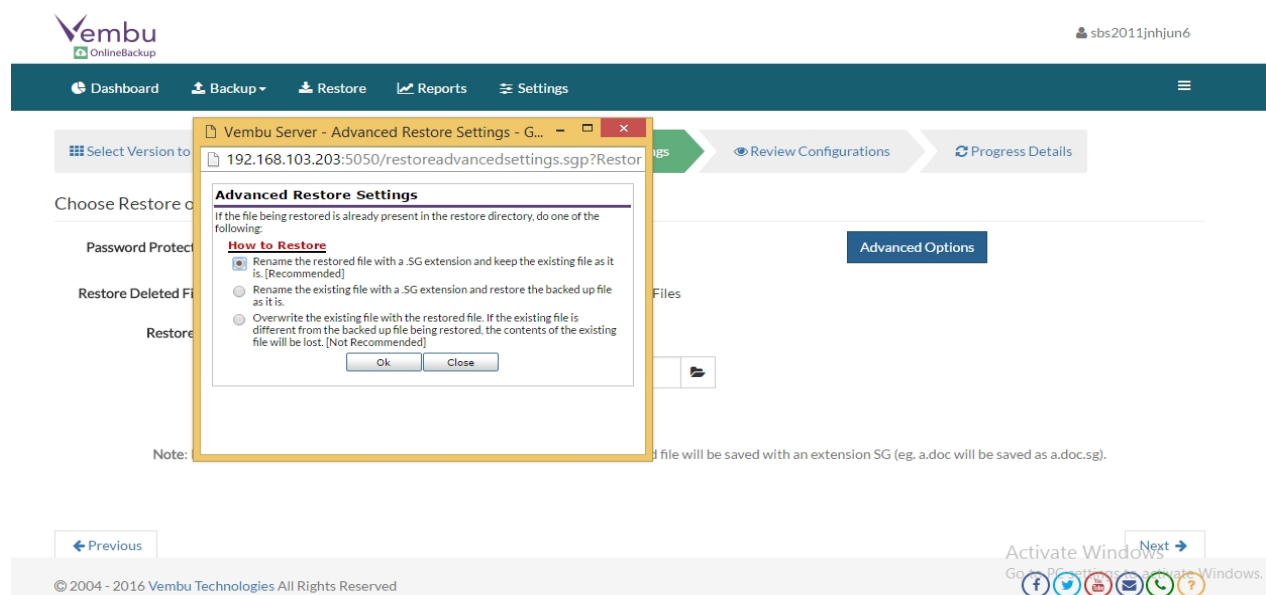


- Deleted files only (Restore deleted files alone)
- Include deleted files (Restore backup data along with deleted files)

### Restore to(This gives two optional location to choose from):

- **Original location-** This option is available if backup is restored to same machine, where data is restored to its original folder location.  
**Note:** If source file is already present in restore location, then restored file will be saved with an extension '\*.sg'. ( This can be changed using "Advanced Options")
- **Alternate location-** This option allow user to restore backup to a different location, where backup data is restored in its original folder structure.

### Advanced Options:



When backup data is restored, it is possible that source files are already present in restore location. In this case, Vembu OnlineBackup will retain source file by default and restore files by renaming with an \*.sg extension.

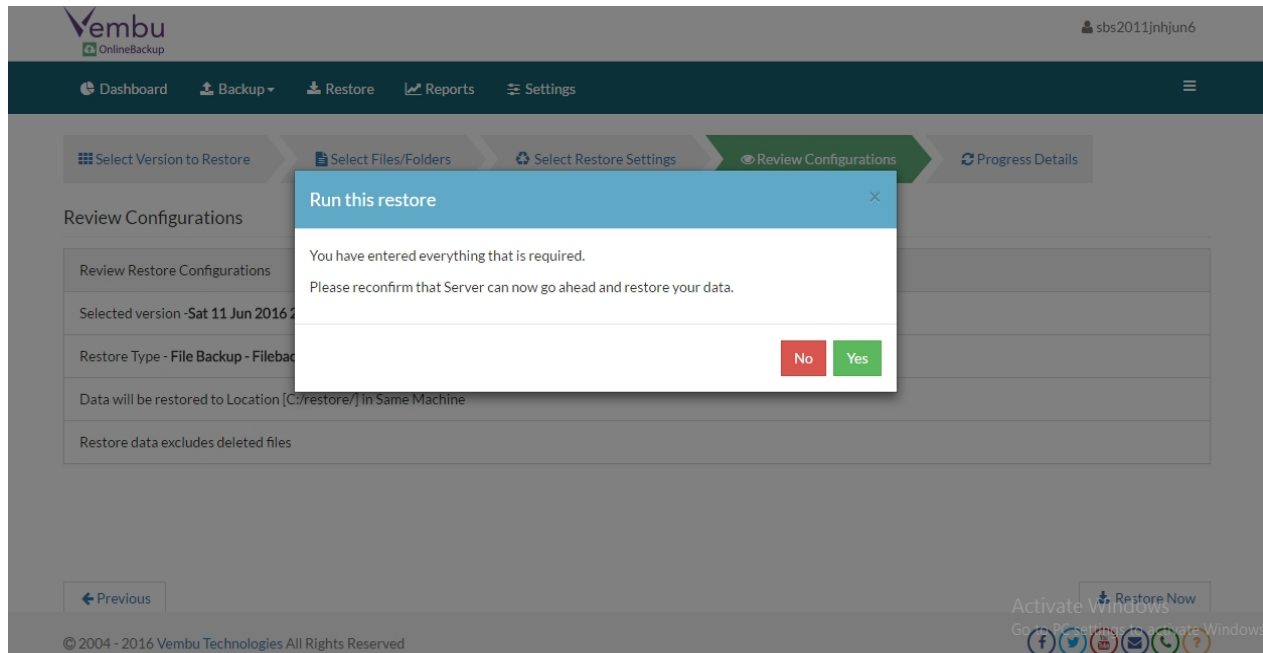
'Advanced Settings' allow alternate options to change this, they are:

- Rename restored file with \*.SG extension and keep existing files (This is the default option selected).
- Rename existing file with \*.SG extension and restore backup file as it is.
- Overwrite existing file with restored file. (If existing file is different from backed up file restored, the contents of source files will be lost. Choose this option if you are sure that current file can be overwritten).

### Step 5- Run Restore:







Once all options are chosen, review the configuration provided and click 'Restore now'. Review restore progress and make sure it gets completed successfully.

## Vembu OnlineBackup User Guide

### MS Exchange Server Restore

Restoring storage group or database is essential when a database corrupts. This section will assist you with restoring Exchange server databases using Vembu OnlineBackup.

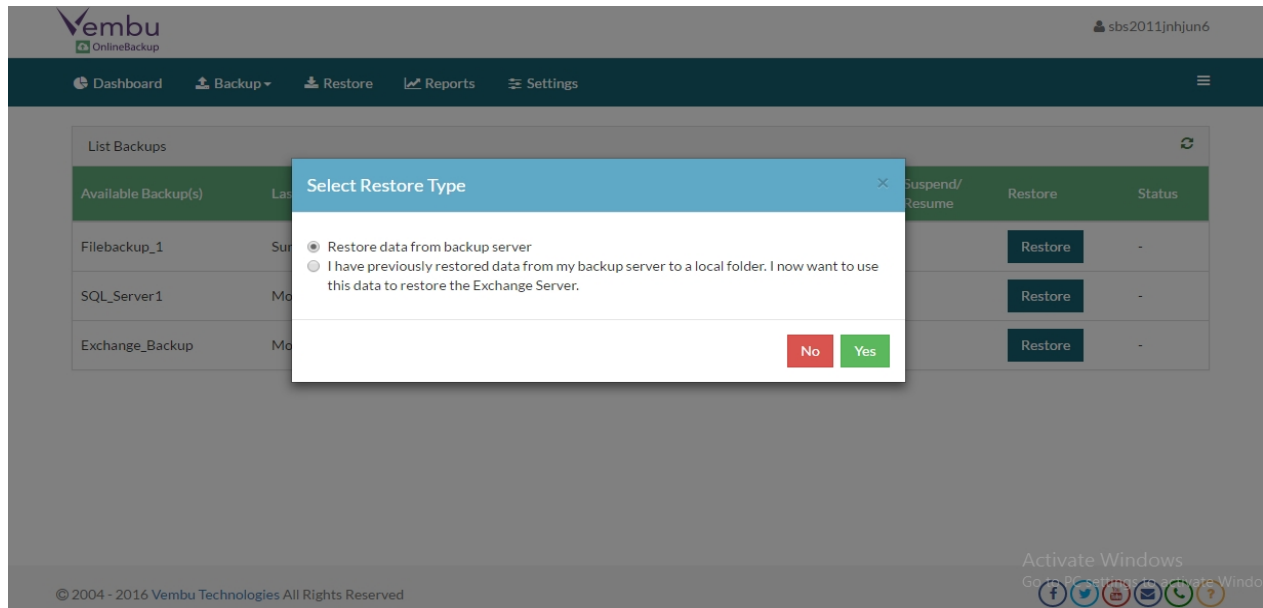
#### Pre-requisites to check before getting started with restore process:

- Exchange server should be running.
- Database to be restored must be dismounted.
- 'This database can be overwritten by a restore' option must be checked for each database (Right click store --> Properties --> Database).
- A copy of current \*.edb, \*.stm, \*.log and other related files from the db storage location to be stored in a separate location.
- In Exchange 2003 and 2007, restores have to be carried out at Storage Group level and not at database level. This is because all the databases within a Storage Group share a common set of logs and skipping any database during restore will make the Exchange System inconsistent.

#### Step 0- Decide how to Restore:

- Decide between restoring Exchange server directly from backup server or to use data that has been previously restored from backup server (to a local folder).

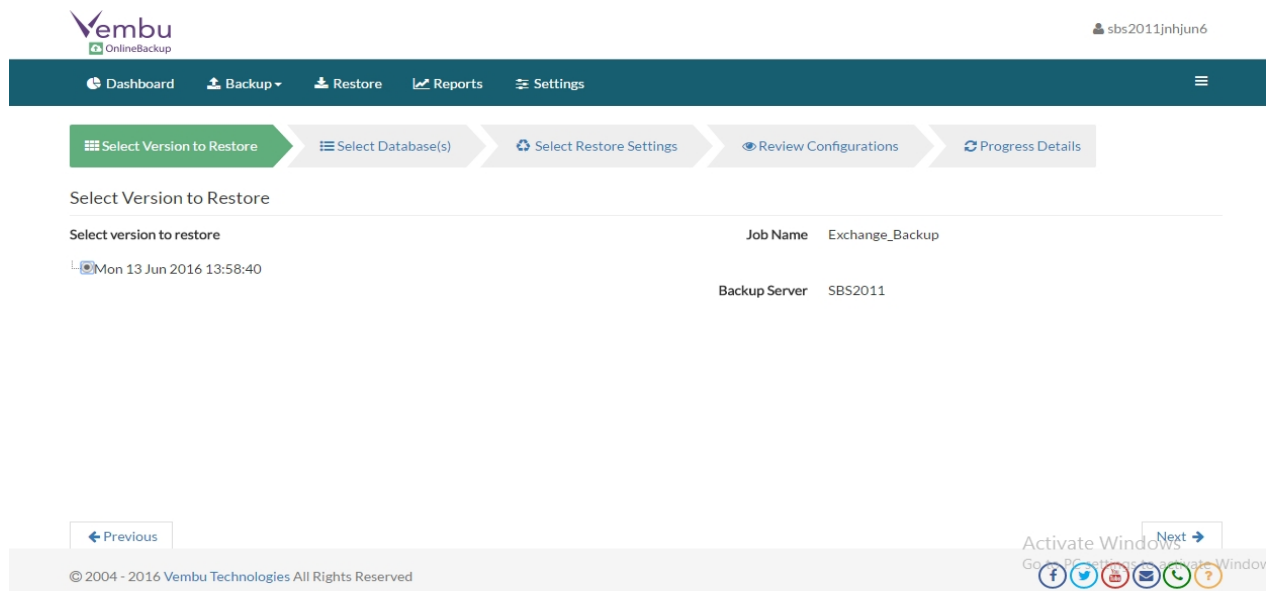




- This step has the following options:
  - 'Restore data from backup server'
  - 'I have previously restored data from my backup server to a local folder. I now want to use this data to restore the Exchange Server'
- If second option is selected for restore, then ensure that:
  - Exchange server backup data was restored from backup server locally through the menu
    - "Recovery → List of backups → Actions → Proceed to restore backup" and transferred to client machine.
    - or
    - You had chosen the previous option 'Restore data from backup server only (I will separately run Vembu OnlineBackup through the 'locally restored files' to restore the Exchange Server later)' in "Step 4: Confirm Exchange Server Restore Settings" of the Restore Exchange Server Data page(during previous restore).
  - Enter the local restore location and click "Submit Location" to restore Exchange Server data from local folder.

### Step 1- Select version to Restore:





This step allows you to choose backup server(when backup schedule is configured to multiple servers) and have following options:

- **Backup name-** a non-editable field.
- **Backup server-** Backup server is non-editable if configured to backup server alone. But if replication is enabled and replication server is added/discovered in client machine, then user can choose server from dropdown.

#### Select backups for restore:

This step allows you to choose backup to restore based on time-stamp and have following options:

- **Show backups after-** From drop-down, select most recent full backup version based on time-stamp to restore from. Once recent full backup is selected and 'load' option is clicked as well, then Vembu OnlineBackup will list files available in backup server.
- **Load-** Once required time-stamp is selected in 'Show backups after' field, this option will list files in backup server (based on chosen time-stamp) for restore.

#### Step 2- Select Database:



**Select Files for Exchange server restore-** A list of files will be generated based on chosen timestamp/version, select the storage groups (or databases in Exchange 2010) to be restored.

**Restore location-** Also specify the location where restore has to be stored and proceed. The restored backup will have the original folder structure.

**Note:** Ensure you have chosen a empty directory for restore and also make sure the location path does not exceed 256 character limit. Also do make sure, drive have enough space for restore.

### Step 3- Select Restore settings:

This option allow two types of restores possible. They are:

- After restoring data from backup server, continue to auto restore data into Exchange server (This is the default option chosen).
- Restore data from backup server only (I will separately restore 'locally restored files' into Exchange Server later).

**Password-** If you had password protected the backup schedule, you will need to provide the password here.

**Exchange Server Name-** Name of Exchange server from which backup is configured (and to which data has to be restored).



Choose Restore options and Restore Location

☒ After restoring data from the backup server, continue to automatically restore the data into the Exchange Server  
☐ Restore the data to the local disk only and do not automatically restore the data into the exchange server (I will separately run Server through the 'locally restored files' to restore the Exchange Server later)

Password Protected: **No**

Exchange Server Name:

☒ Last Restore Set(Log file replay will start after this restore completes.)  
☐ Mount Database after restore

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**Last Restore Set (Log file replay will start after this restore completes)-** Check this option, if this is the last backup set to restore before you remount databases.

**Mount database after restore-** Check this option, if this is the last backup set you plan to restore and ready to mount database once restore completes.

**Note:** It is recommended not to check this option, unless this is the last backup set.

Select the above check boxes, if any of following conditions apply:

- Restoring from a normal(full) backup without any incremental or differential backups.
- Restoring from final incremental backup.
- Restoring from final differential backup.

## Step 4- Run Restore:

Review Configurations

Selected version - Mon 13 Jun 2016

Selected Data for restore - I-\*EXCH

Target restore location - C:/

Run this restore

You have entered everything that is required.  
Please reconfirm that Server can now go ahead and restore your data.

No Yes

Restore Now

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Once all options are chosen, review the configuration provided and click 'Restore now'. Review restore progress and make sure it gets completed successfully.

## Vembu OnlineBackup User Guide

### MS Exchange Mailbox restore

#### Prerequisites for Exchange MailBox restore:

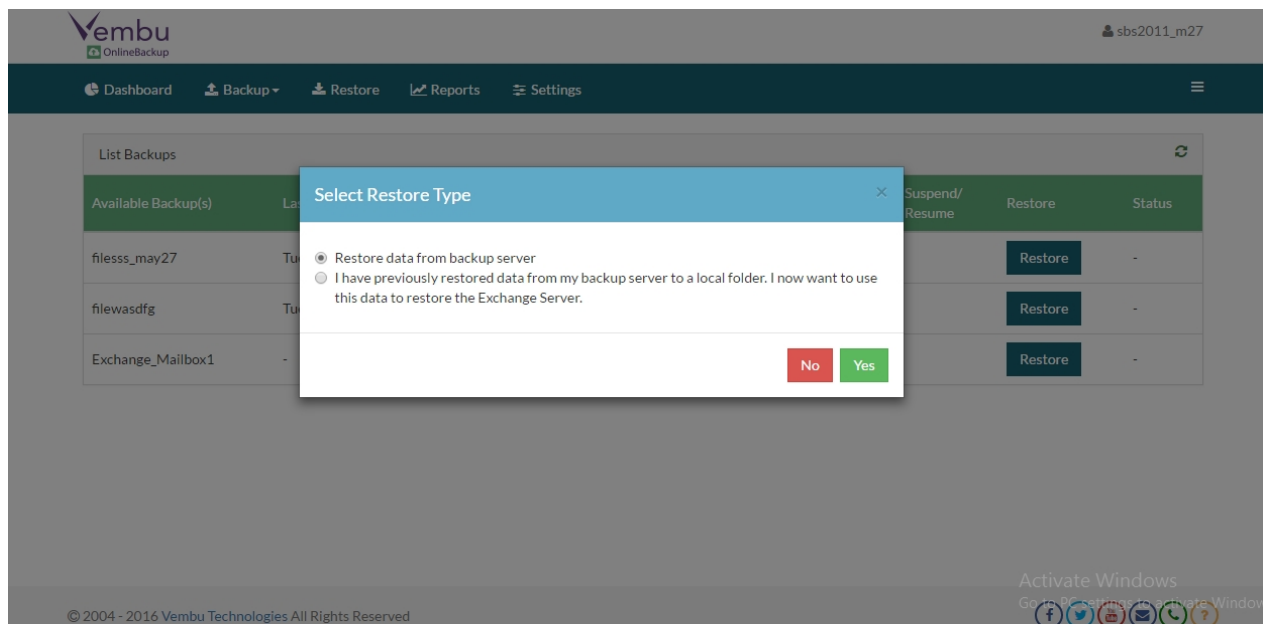
- Ensure Exchange server is running.
- Ensure that Default Information Store(MailBox Store in first storage group) and user's information store are mounted.
- Instead choosing entire MailBox store/public folder, select specific mailboxes to be restored.

#### Note:

- It is recommended to configure backups as storage groups, instead configuring mailbox level backups as it takes less time compared to individual mailbox backups and come handy in restoring servers, at times of server crash.
- Storage group backups can be granularly restored(i.e) restoring individual mailboxes.
- However additional mailbox backups can be configured, if required.

#### Step 0- Decide how to restore:

Decide between restoring Exchange server directly from backup server or to use data that has been previously restored from backup server (to a local folder).

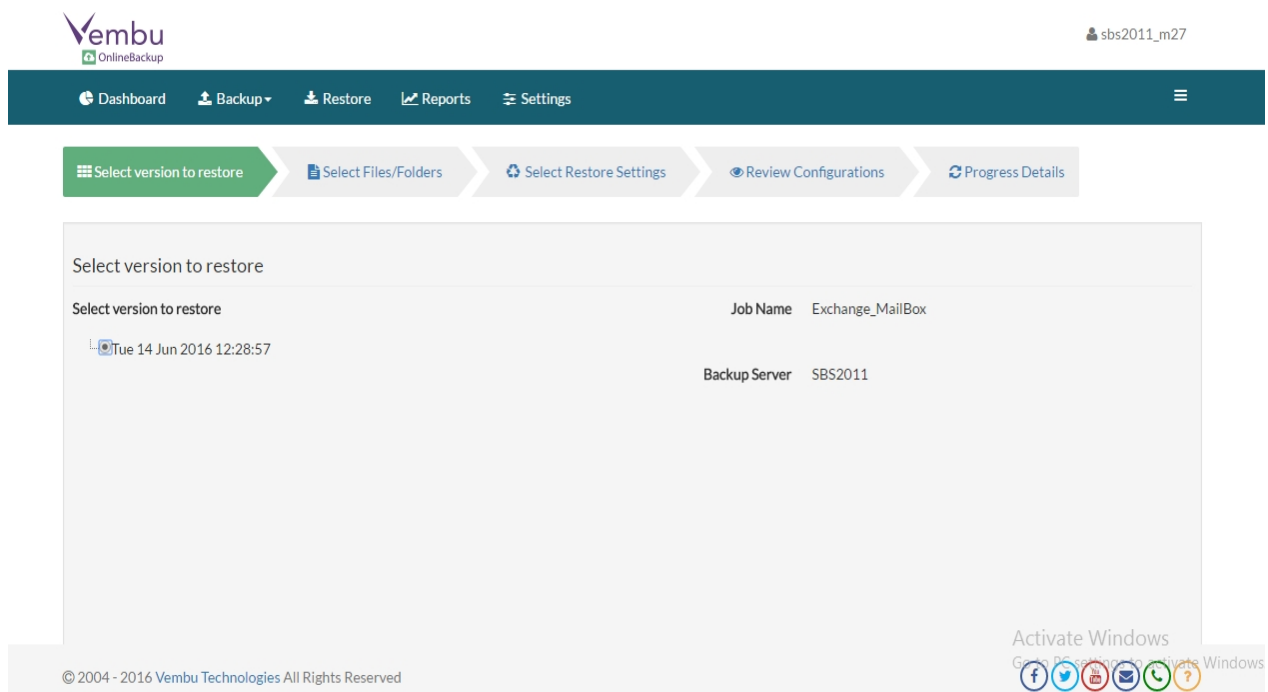


- This step has the following options to choose:
  - 'Restore data from backup server'
  - 'I have previously restored data from my backup server to a local folder. I now want to use this data to restore the Exchange Server'
- If second option is selected for restore, then ensure that:



- Exchange server backup data was restored from backup server locally through the menu
  - "Recovery → List of backups → Actions → Proceed to restore backup" and transferred to client machine.
  - or
  - You had chosen the previous option 'Restore data from backup server only (I will separately run Vembu OnlineBackup through the 'locally restored files' to restore the Exchange Server later)' in "Step 4: Confirm Exchange Server Restore Settings" of the Restore Exchange Server Data page (during previous restore).
- Enter the local restore location and click "Submit Location" to restore Exchange Server data from local folder.

## Step 1- Select version to Restore:



This step allows you to choose backup server (when backup schedule is configured to multiple servers) and have following options:

- **Backup name-** a non-editable field.
- **Backup server-** Backup server is non-editable if configured to backup server alone. But if replication is enabled and replication server is added/discovered in client machine, then user can choose server from dropbox.

### Select versions to restore:

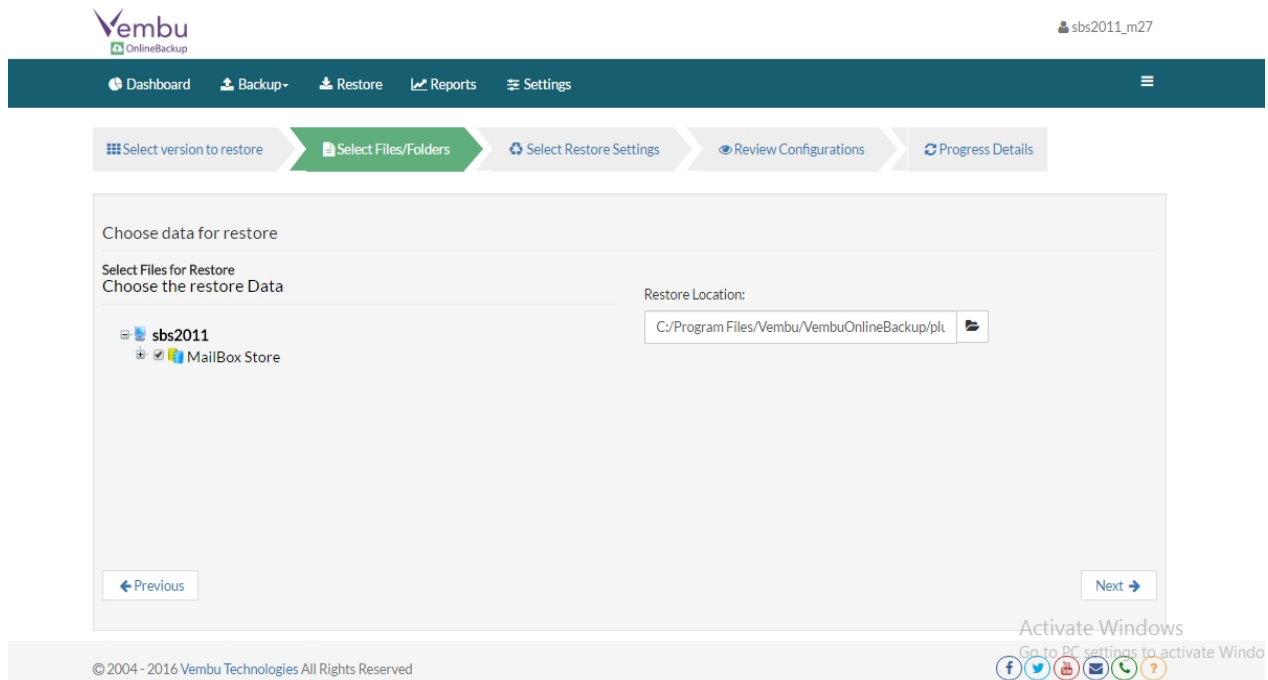
This step allows you to choose backup version based on time-stamp for restore and have following options:

- **Show backups after-** From drop-down, select most recent full backup version based on time-stamp to restore from. Once recent full backup is selected and 'load' option is clicked as well, then Vembu OnlineBackup will list files available in backup server.



- **Load-** Once required time-stamp is selected in 'Show backups after' field, this option will list files in backup server(based on chosen time-stamp) for restore.

## Step 2- Select Files/Folders:



Select Files for restore- A list of mailbox files/folders under a backed up storage group will be generated based on chosen timestamp/version, select the mailbox or mailbox folders to be restored.

Restore location- Also specify the location where restore has to be stored and proceed. The restored backup will have the original folder structure.

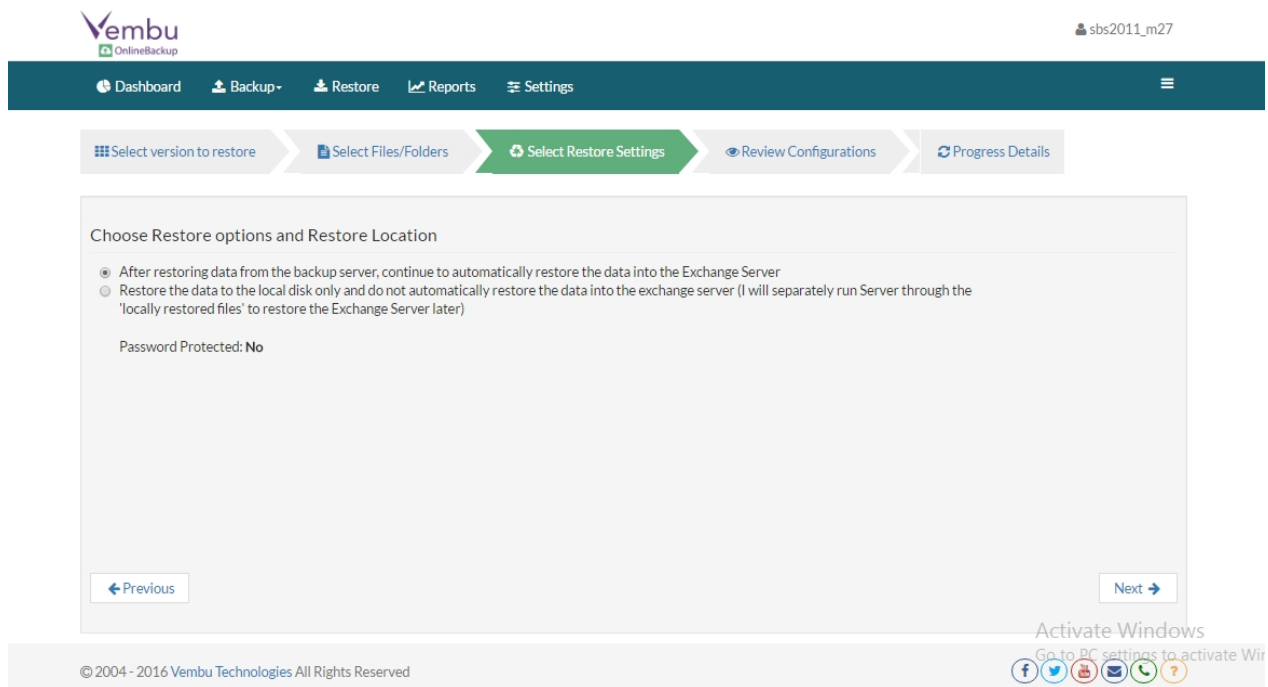
## Step 3- Select Restore settings:

This option allow two types of restores possible. They are:

- After restoring data from backup server, continue to auto restore data into Exchange server (This is the default option chosen).
- Restore data from backup server only and do not auto restore(I will separately restore 'locally restored files' into Exchange Server later).



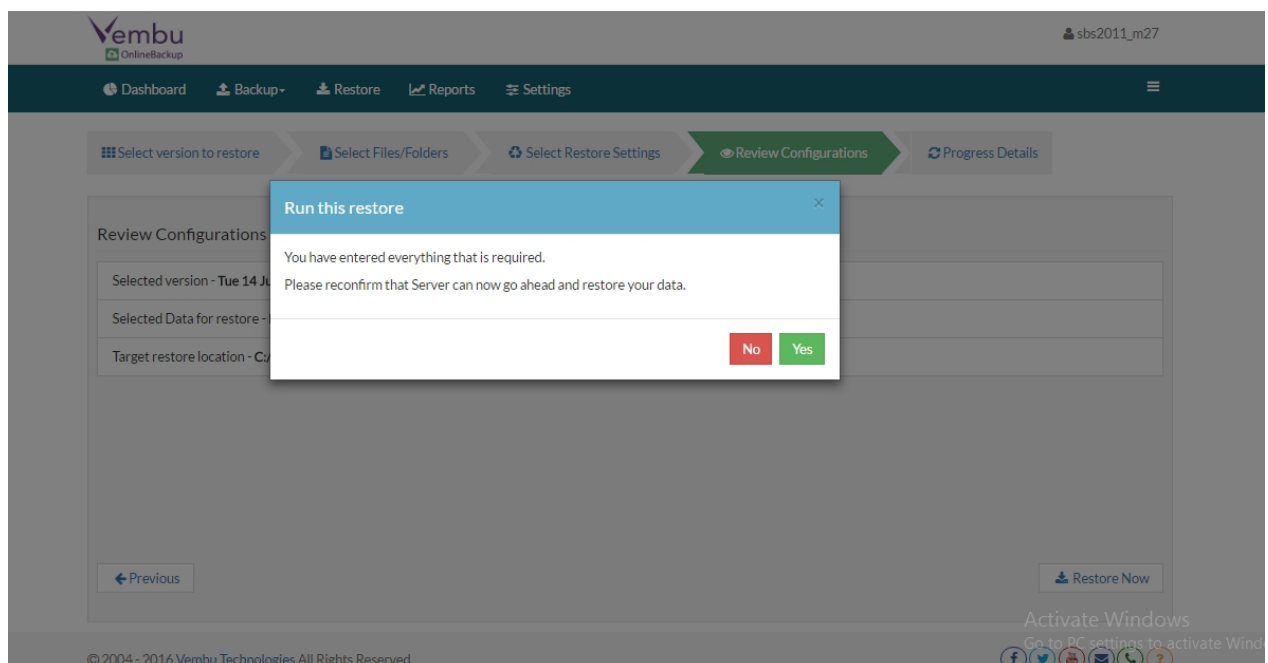




**Password-** If you had password protected the backup schedule, you will need to provide the password here.

**Exchange Server Name-** Name of Exchange server from which backup is configured (and to which data has to be restored).

## Step 4- Run Restore:



Once all options are chosen, review the configuration provided and click 'Restore now'. Review restore progress and make sure it gets completed successfully.

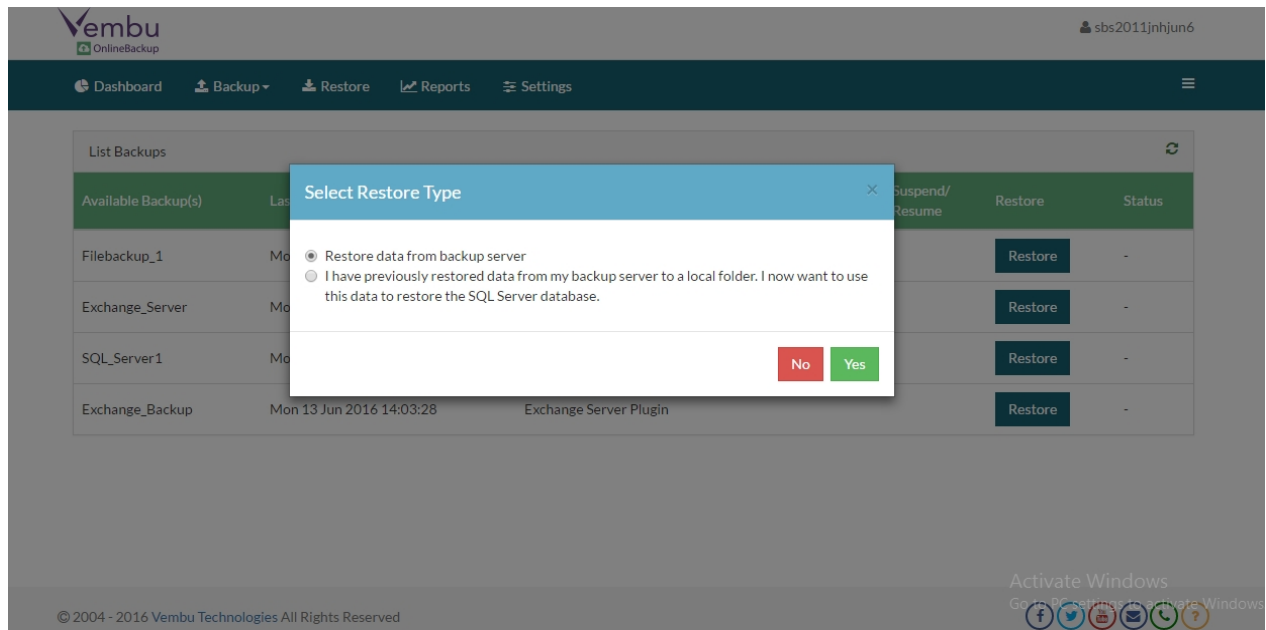
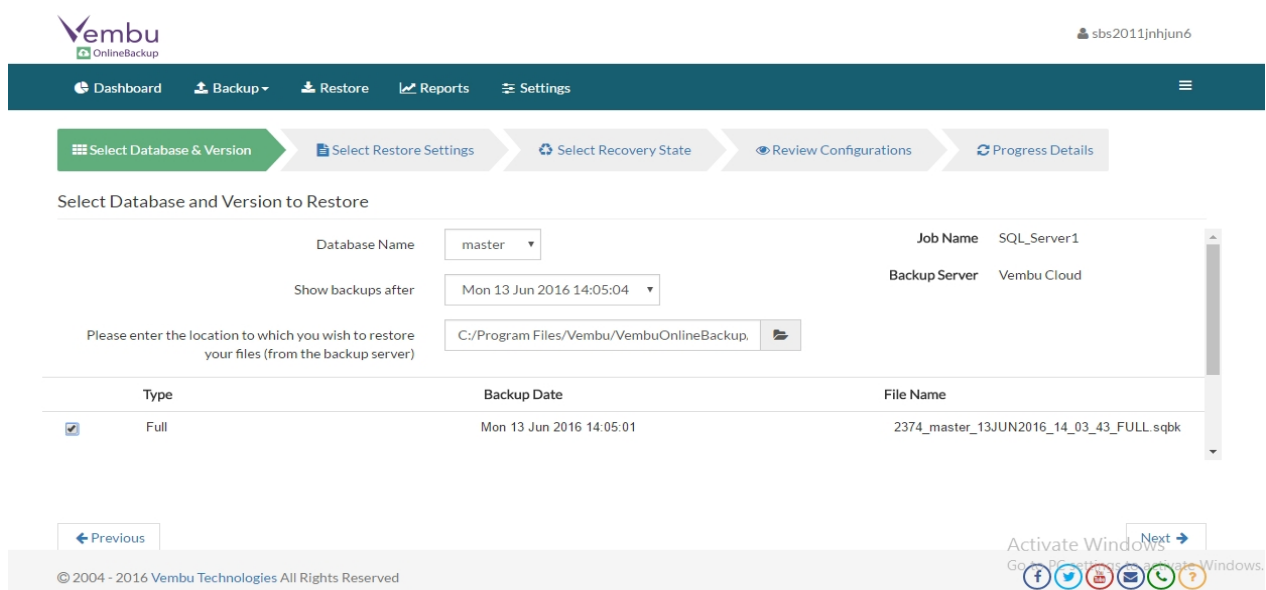
## Vembu OnlineBackup User Guide

### MS SQL Server Restore



**Step 1- Select MS SQL backup:**

- Click restore option in top menu.
- Choose the MS SQL backup you wish to restore from the list of backups displayed and click on 'Restore' option alongside the backup.
- This step has the following options:
  - 'Restore data from backup server'
  - 'I have previously restored data from my backup server to a local folder. I now want to use this data to restore the MS SQL Server'

**Step 2- Restore data from backup server:**

- This option will ask user to select database name and time-stamp version to restore from.



- Once options are selected, databases will be shown along with an option to provide restore location.
- Select the check-box Type and provide a restore location path.
- Once done proceed to select restore settings.

### Step 3- Step Select Restore settings:

This option allow two types of restores possible. They are:

- After restoring data from backup server, continue to auto restore data into SQL Server Database (This is the default option chosen).
  - Choosing this option will let user restore data into SQL Server database, where user have the option to either overwrite an existing database or restore as separate database.

- Restore data from backup server only (I will separately run Vembu OnlineBackup through the 'locally restored files' to restore the SQL Server database later).
  - Choosing this option will restore data in a separate user defined location instead restoring data into SQL Server.



Select Restore Settings

☐ After restoring data from the backup server, continue to automatically restore the data into the SQL Server database  
☒ Restore the data to the local disk only and do not automatically restore the data into the SQL Server (I will separately run Server through the 'locally restored files' to restore the SQL Server database later)

Restore as database: master

Overwrite the existing database: ☐

Original file name	Restore As
C:/Program Files/Microsoft SQL Server/MSSQL10_50.SBSMONITORING/MS	C:/Program Files/Microsoft SQL Server/MSSQL10_50.SBSMONITORING/MS

Previous Next

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- Once done choosing restore option, click proceed.

## Step 4- Select Recovery State:

This option gives user 3 options to choose from:

Select Recovery State

☒ Leave the database ready to use by rolling back uncommitted transactions. Additional transaction logs cannot be restored.(RESTORE WITH RECOVERY)  
☐ Leave the database nonoperational, and do not roll back uncommitted transactions. Additional transaction logs can be restored.(RESTORE WITH NORECOVERY)  
☐ Leave the database in read-only mode. Undo uncommitted transactions, but save the undo actions in a standby file so that recovery effects can be reversed.(RESTORE WITH STANDBY)

Password Protected: No

Previous Next

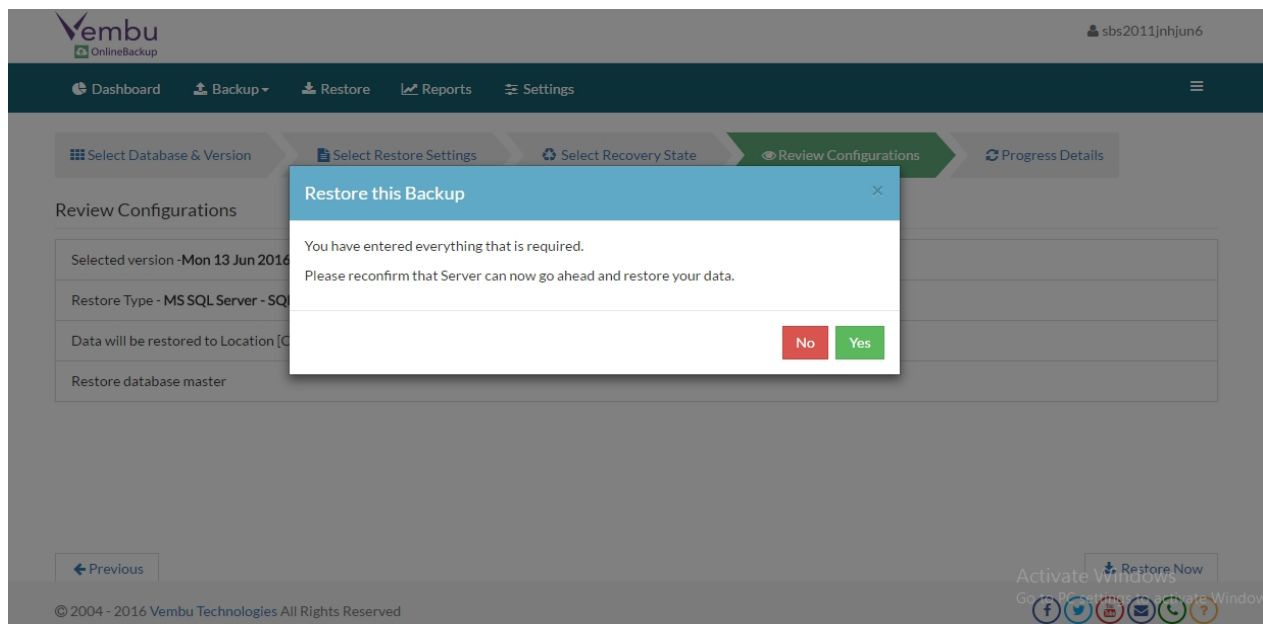
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- Leave database in ready-to-use state by rolling back uncommitted transactions. Additional transaction logs cannot be restored (Restore with recovery).
- Leave database non-operational, and do not rollback uncommitted transactions. Additional transaction logs can be restored (Restore with Non-Recovery).
- Leave database in read-only mode. Undo uncommitted transactions, but save undo action in a standby file so that recovery effects can be reversed (Restore with Standby).

**Password protected-** If backup is password protected, enter the correct password to proceed with restore.



## Step 5- Run Restore:



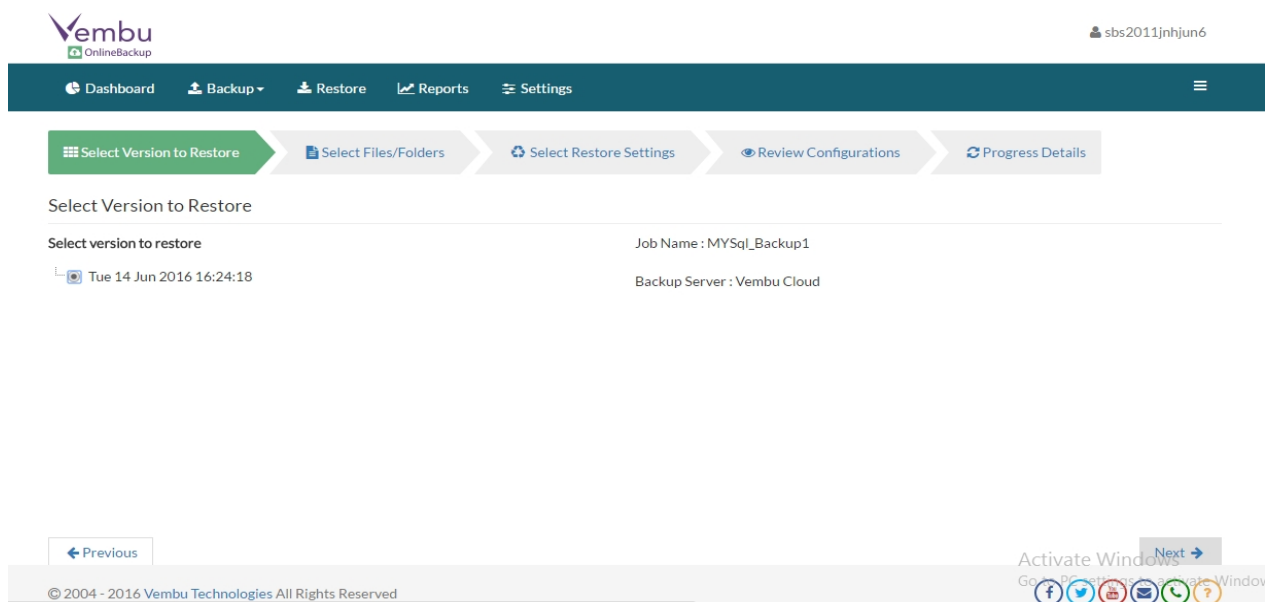
Once all options are chosen, review the configuration provided and click 'Restore now'. Review restore progress and make sure it gets completed successfully.

## Vembu OnlineBackup User Guide

### MySQL Server Restore

#### Step 1- Select version to restore:

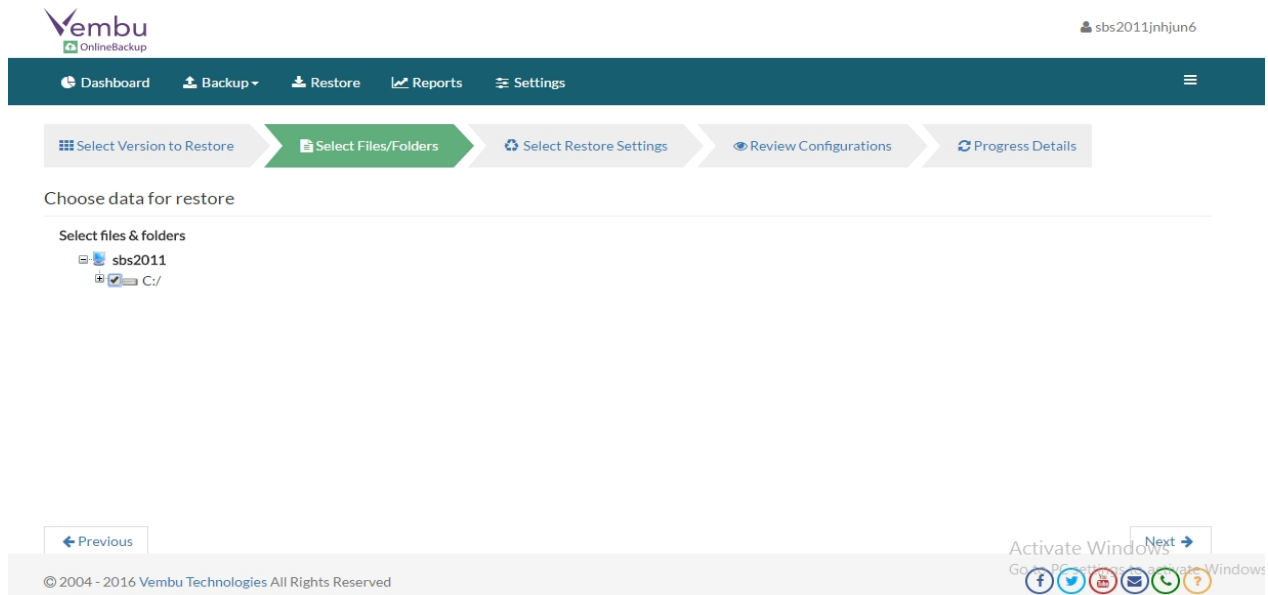
- Select the time-stamp version of MySQL backup to restore from and click proceed



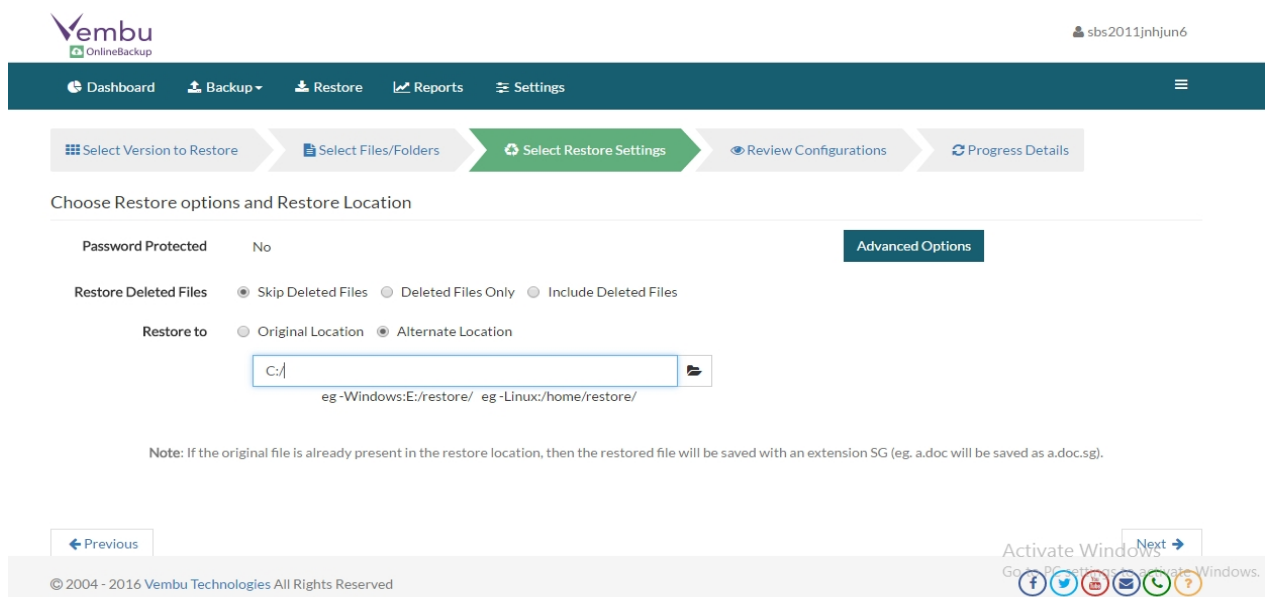
#### Step 2- Select Files/Folders:

- Select the data (Files/folders) to restore from MySQL backup.
- You can either select entire backup for restore or choose specific database files.





### Step 3- Restore Settings:



This step has following options:

**Password-** If backup is password protected, enter the password provided to proceed with restore.

**Restore machine-** By default, this will be chosen as same machine.

**Restore Deleted files-** Let user decide, what to do with the deleted files in a backup schedule:

- Skip deleted files in restore
- Restore deleted files only
- Include deleted files in restore

**Restore to-** This option gives two choices to choose from:

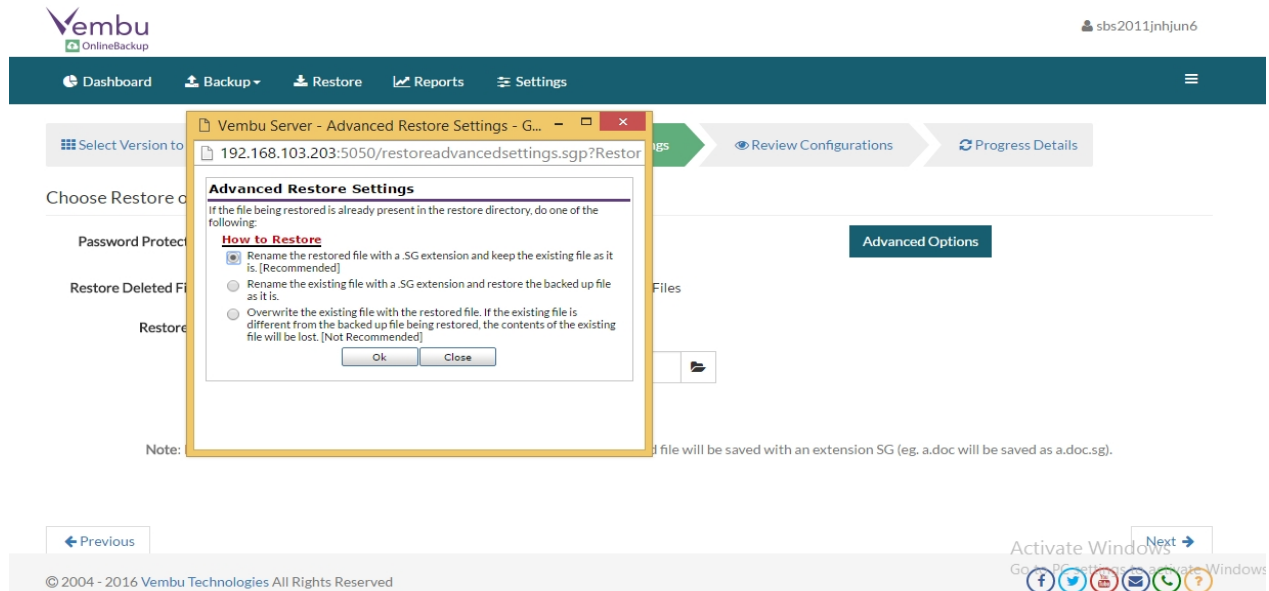
- **Original location-** This will restore data to backup source location and if the source files(Original files) are present, the restored files will be saved with a \*.SG



extension.

- **Alternate Restore location-** This will allow user to specify a alter location where backup data can be restored to.

## Advanced Option:



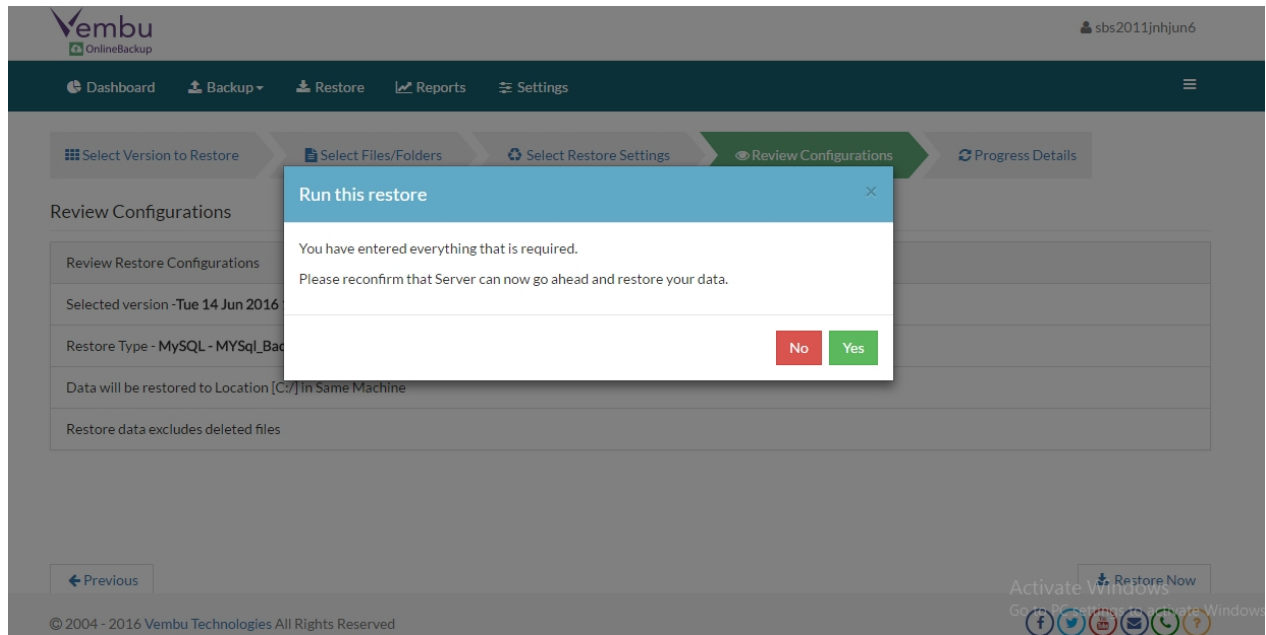
When backup data is restored, it is possible that source files are already present in restore location. In this case, Vembu OnlineBackup will retain source file by default and restore files by renaming with a \*.SG extension.

'Advanced Settings' allow alternate options to change this, they are:

- Rename restored file with \*.SG extension and keep existing files (This is the default option selected).
- Rename existing file with \*.SG extension and restore backup file as it is.
- Overwrite existing file with restored file (If existing file is different from backed up file restored, the contents of source files will be lost. Choose this option, if you are sure that current file can be overwritten).

## Step 4- Run Restore:





Once all options are chosen, review the configuration provided and click 'Restore now'. Review restore progress and make sure it gets completed successfully.

## Vembu OnlineBackup User Guide

### MS Outlook Restore

Vembu OnlineBackup restore backed up Outlook data as PST files to a local folder which can be then restored:

- To append existing PST file in Outlook( When corrupted/deleted or in need of recovering to a previous state).
- As new PST file that can be attached to outlook manually.

#### Requirements:

- Microsoft Outlook 2007/2010/2013

#### Step 1: Select Version to restore

This step allows you to choose backup server(when backup schedule is configured to multiple servers) and have following options:

- **Backup name-** a non-editable field.
- **Select version to restore-** A tree listing various backup timestamps with the full backup as its parent node will be displayed. This list generated is based on incremental and retention configured. If additional full backup is configured, then there will be more than one parent node lists based on the configuration.





The screenshot shows the Vembu OnlineBackup web interface. The top navigation bar includes links for Dashboard, Backup, Restore, Reports, and Settings. The user is logged in as 'sbc\_2012nj'. The main breadcrumb trail shows the steps: Select Version to Restore (active), Select Files/Folders, Select Restore Settings, Review Configurations, and Progress Details. The 'Select Version to Restore' section displays a table with two rows of backup versions for 'MS\_Outlook':

Version	Job Name
Sat 18 Jun 2016 21:01:13	MS_Outlook
Fri 17 Jun 2016 22:01:12	

Navigation buttons for 'Previous' and 'Next' are visible at the bottom. The footer contains copyright information and social media links.

Select the time-stamp from which you want to restore data and proceed.

## Step 2- Select Backup:

The screenshot shows the Vembu OnlineBackup web interface at the 'Select Files/Folders' step. The breadcrumb trail is: Select Version to Restore, Select Files/Folders (active), Select Restore Settings, Review Configurations, and Progress Details. The 'Choose data for restore' section shows 'test-pc' selected, with 'MSOutlook' listed as a sub-item. A 'Restore Location' field is present with the value 'E:/'. Navigation buttons for 'Previous' and 'Next' are visible at the bottom. The footer contains copyright information and social media links.

- Select the Outlook folders/files to be restored and do provide a restore location.
- Once done, proceed to restore settings.

## Step 3- Restore settings:

Choose Restore options and Restore Location

☒ After restoring data from the backup server, continue to automatically restore the data into Outlook  
☐ Restore the data to the local disk only and do not automatically restore the data into Outlook (I will separately restore the 'locally restored data' into Outlook later)

Password Protected: **No**

Location to restore the PST files:  
C:/

Previous Next

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**Password-** If you had password protected the backup schedule, you will need to provide the password here.

Also, this option allow two types of restores possible. They are:

- After restoring data from backup server, continue to auto restore data into Outlook (This is the default option chosen).
- Restore data from backup server only (I will separately restore 'locally restored files' into Outlook later).

**Important :** The directory specified in the restore location for restoring Outlook data must not contain the original or previously restored files or else the restore will fail.

#### Step 4- Run Restore:

Run this restore

You have entered everything that is required.  
Please reconfirm that can now go ahead and restore your data.

No Yes

Review Configurations

Selected version - Sat 18 Jun 2016

Selected Data for restore - MSOutl

Target restore location - C:/

Restore Now

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Once all options are chosen, review the configuration provided and click 'Restore now'.



Review restore progress and make sure it gets completed successfully.

## Vembu OnlineBackup User Guide

### MS SharePoint Restore

#### Need for SharePoint backup and restore:

- When a site-collection is deleted in a SharePoint environment (intentionally/ accidentally) and if needed for later use.
- When a site-collection is modified and its original/previous state is needed.
- When a redundant copy of business-critical site-collection is required.
- When losing a portal site and in need of re-creating a new one with original site-collections.

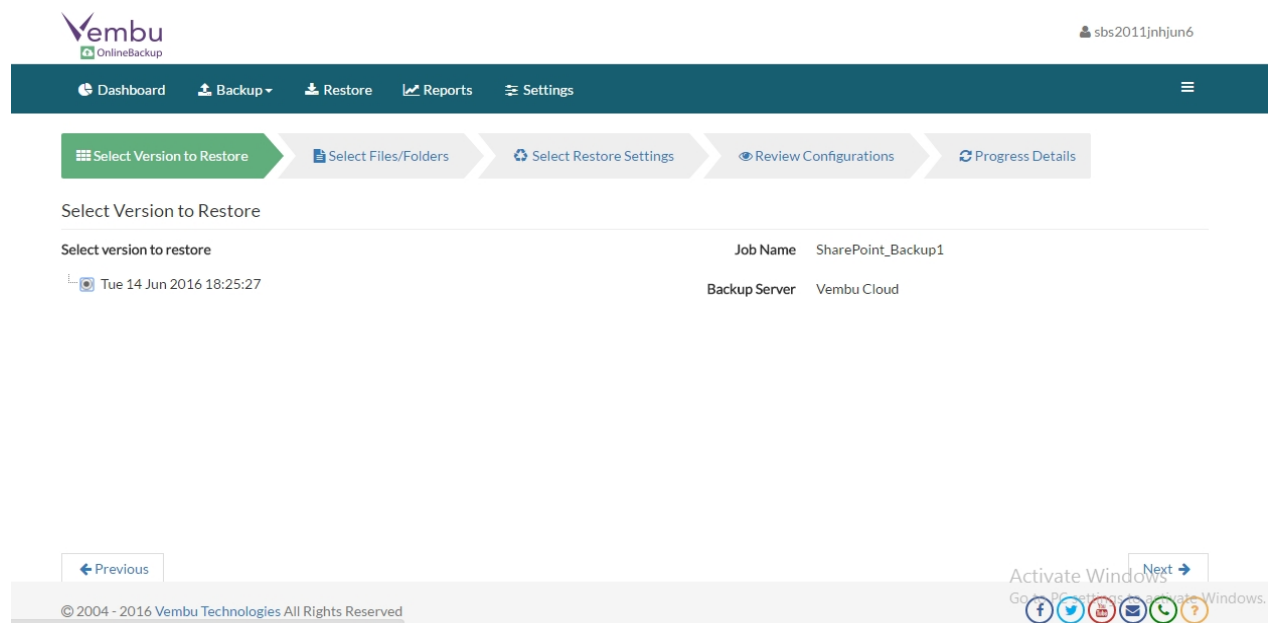
Restoring SharePoint site collections in Windows involves two major steps:

- Restoring SharePoint data from backup server to a local drive.
- Restoring \*.dat file to the actual site-collection in a production environment.

#### Restoring SharePoint data from backup server to a local drive

##### Step 1- Select version to restore:

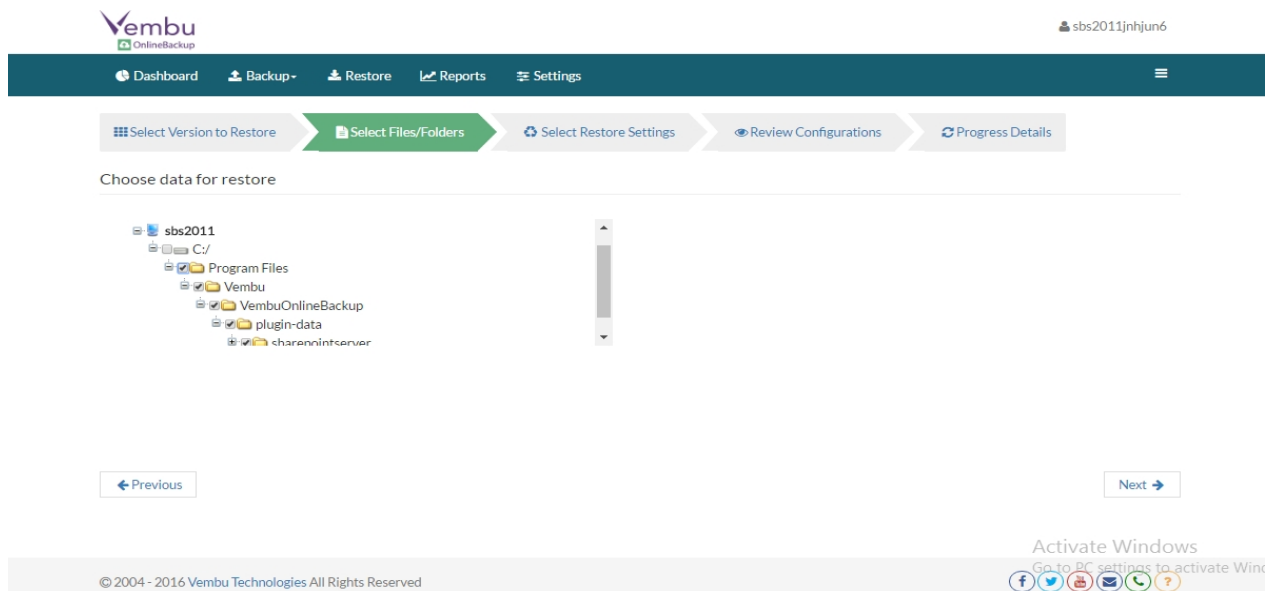
A tree listing various backup timestamps with the full backup as its parent node will be displayed. This list generated is based on incremental and retention configured. If additional full backup is configured, then there will be more than one parent node lists based on the configuration.



- Select the time-stamp from which you want to restore data and proceed to select SharePoint sites.

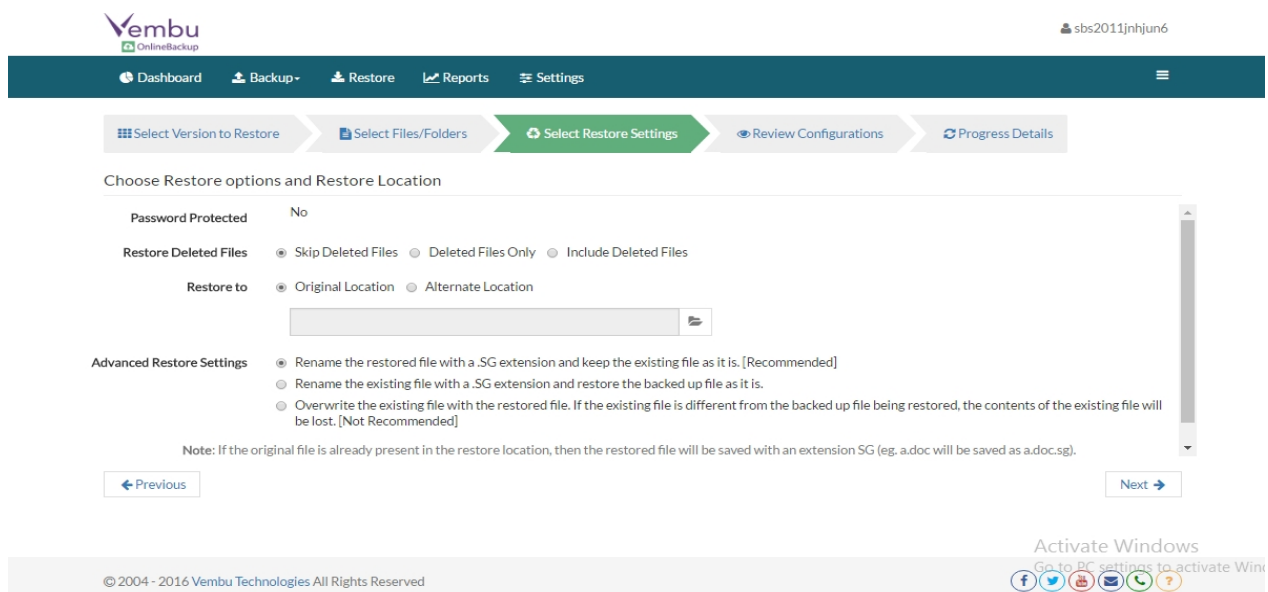
##### Step 2- Select SharePoint Sites:





- You can either select entire backup or select specific SharePoint Sites for restore and proceed.

### Step 3- Select Restore settings:



**Password-** If backup is password protected, provide the respective password.

**Restore machine-** The client machine where backup data has to be restored.

**Restore deleted files-** This gives 3 options to choose from:

- Skip deleted files (restore backup data skipping deleted files)
- Deleted files only (Restore deleted files alone)
- Include deleted files (Restore backup data along with deleted files)

**Restore to**(This gives two optional location to choose from):

- **Original location-** This option is available if backup is restored to same machine, where data is restored to its original folder location.

**Note:** If source file is already present in restore location, then restored file will be



saved with an extension '\*.sg'.

- **Alternate location-** This option allow user to restore backup to a different location, where backup data is restored in its original folder structure.

### Advanced Options:

Choose Restore options and Restore Location

Password Protected ☐ No

Restore Deleted Files ☒ Skip Deleted Files ☐ Deleted Files Only ☐ Include Deleted Files

Restore to ☐ Original Location ☒ Alternate Location

eg -Windows:E:/restore/ eg -Linux:/home/restore/

Advanced Restore Settings

- ☒ Rename the restored file with a .SG extension and keep the existing file as it is. [Recommended]
- ☐ Rename the existing file with a .SG extension and restore the backed up file as it is.
- ☐ Overwrite the existing file with the restored file. If the existing file is different from the backed up file being restored, the contents of the existing file will be lost.

[Previous](#) [Next](#)

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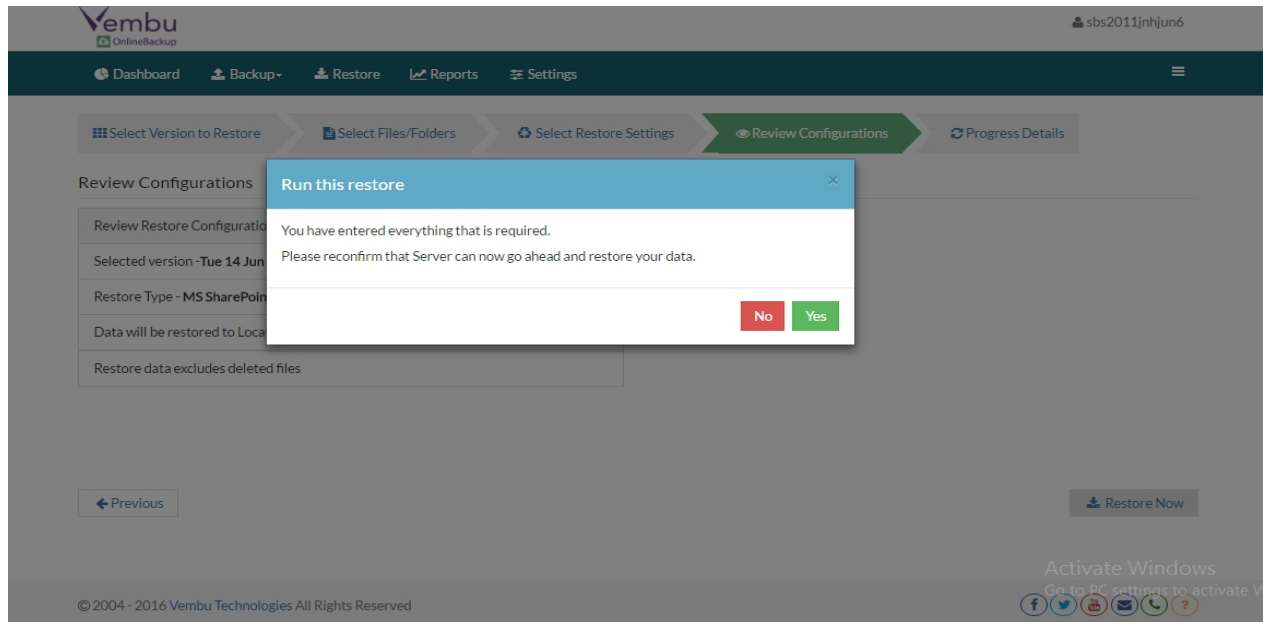
Activate Windows  
Go to PC settings to activate Windows

When backup data is restored, it is possible that source files are already present in restore location. In this case, Vembu OnlineBackup will retain source file by default and restore files by renaming with an \*.sg extension.

'Advanced Settings' allow alternate options to change this, they are:

- Rename restored file with \*.SG extension and keep existing files(This is the default option selected).
- Rename existing file with \*.SG extension and restore backup file as it is.
- Overwrite existing file with restored file. (If existing file is different from backed up file restored, the contents of source files will be lost. Choose this option, if you are sure that current file can be overwritten).

### Step 4- Run Restore:



Once all options are chosen, review the configuration provided and click 'Restore now'. Review restore progress and make sure it gets completed successfully.

### Restored Files:

Once restore completes successfully, the restored files will be stored in following naming pattern:

<Restore\_Path>\<Temporary\_Dump\_Location>\<Backup\_Name>\<Portal\_Site\_Name>\<Site\_Collection\_Name>\<Site\_Collection\_Name>.dat

**Note:** Portal site name and Site collection name will be modified as per following rules and will be used as file/folder name.

- The character colon (:) in the portal site URL will be replaced with "@".
- The Characters \<>/\*?"| and space characters in the portal site/site collection will be replaced with underscore(\_). Other characters will remain the same.
- "http://" or "https://" will be removed.

### Example:

Take portal URL: "http://winserver3:9090"

One of site collections under it: "http://winserver3:9090/sites/first-No.1 site"

Restore path: "C:/Restore"

Backup name: "MyShareBackup"

The restored file will be of following name:

C:\Restore\MyShareBackup\winserver3@9090\winserver3@9090\_sites\_first-No.1 site\winserver3@9090\_sites\_first-No.1 site.dat

**Note:** Restore file for a site collection will have ".dat" extension

### Restoring \*.dat file to the actual site-collection in a production environment

#### Step 1- Open Command prompt and Set path:



- Open command prompt and change directory path to the folder where 'STSADM.exe' tool exists.

**Default locations of STSADM tool:**

**For WSS2.0/MOSS2003-** "C:\Program Files\Common Files\Microsoft Shared\web server extensions\60\BIN\" folder.

**For WSS3.0/MOSS2007-** "C:\Program Files\Common Files\Microsoft Shared\web server extensions\12\BIN\" folder.

**For MS SharePoint 2010-** "C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\BIN\" folder.

**Step 2- Restore \*.dat to site-collection:**

The restored '\*.dat' file can be restored to a site-collection in two strategies:

**Note:** Read caution before proceeding with restore process.

**Restore strategy 1- Restore to same site-collection which is active or deleted:**

- Enter following command in command prompt:

```
stsadm.exe -o restore -url <Site_Collection_URL> -filename  
<Backup_File_Name> -overwrite
```

Where **<Site\_collection\_URL>** is the name of site-collection in which data will be restored.  
**<Backup\_File\_Name>** is the '\*.dat' file name to be restored, provided with its path.



**Note:** If there is an active site of same name, then the above command execution will overwrite existing site-collection completely. (i.e) It will replace sub-sites, contacts, events, documents etc.,

If the site is deleted already, executing above command will restore the site to the state at which it is backed up.

**Restore strategy 2- Restore to a non-existing/new site-collection:**

- **Step 1- Create Site:**

- Enter following command in command prompt:  
stsadm.exe -o createsiteinnewdb -url <New\_Site\_Collection\_URL> -  
databasename <New\_Database\_Name> -ownerlogin  
<Site\_Collection\_Owner> -owneremail  
<Email\_Of\_Site\_Collection\_Owner>

Where **<New\_Site\_Collection\_URL>** is the name of site you wish to process restore.  
**<New\_Database\_Name>** is the new database to be created.  
**<Site\_collection\_owner>** is the owner for the site collection to be created.  
**<Email\_of\_site\_collection\_owner>** is the owner email of site collection.



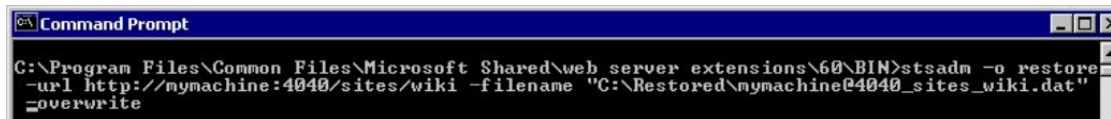
```

C:\Program Files\Common Files\Microsoft Shared\web server extensions\60\BIN>stsadm.exe -o
createsiteinnewdb -url http://mymachine:4040/sites/newwiki -databasename NewDBForWiki
-ownerlogin DOMAIN\Administrator -owneremail user@domain.com
  
```

The above command will create a new site collection in the new database specified.

### • Step 2- Restore site:

Now run following command in command prompt to initiate restore:  
 stsadm.exe -o restore -url <New\_Site\_Collection\_URL> -filename  
 <Backup\_File\_Name> -overwrite



```

C:\Program Files\Common Files\Microsoft Shared\web server extensions\60\BIN>stsadm -o restore
-url http://mymachine:4040/sites/wiki -filename "C:\Restored\mymachine@4040_sites_wiki.dat"
-overwrite
  
```

**Note:** Above command will restore site-collection to the newly created site. Try accessing the newly created site once restore completes to confirm restore was successful.

### Caution note:

- Restoring default site-collections in WSS2.0/SPS2003 is not permitted and any such attempt is strictly not recommended.
- Do not restore a site-collection to the same portal site under different site-collection which uses same database as used by source site-collection (From which it is backed up).

### Example:

Assume a portal named 'P1' with 3 site collection namely S1, S2 and S3 is backed up. Now user is trying to restore S1 as S4 to the same portal P1. This will create duplication of the site collection in same database and is not permitted. Thus the duplicate entry will be deleted, making the restored site inaccessible.

However, restoring a site collection to same portal can be done in two ways:

- Restore to same site collection 'S1' (Overwriting).
- Restore to a site collection 'S4', but by creating a new database and restoring to it.

### Limitations

- Restoring default site-collections in WSS2.0/SPS2003 is not permitted and any such attempt is strictly not recommended.
- Restoring SharePoint 'Central Administration' may not bring original Central Administration's UI and its functionalities.
- Though configured at server level or as entire portal site, backup will only be done at site-collection level. Hence, to restore a portal site on the whole, each site-collection





has to be restored one by one using STSADM tool.

## Vembu OnlineBackup User Guide

### Dashboard

- [Client Dashboard](#)
- [Server Dashboard](#)

## Vembu OnlineBackup User Guide

### Client Dashboard

This page lists recent schedule status of backup jobs and current client activities.

The screenshot shows the Vembu OnlineBackup Client Dashboard. The top navigation bar includes links for Dashboard, Backup, Restore, Reports, and Settings. The main content area is divided into two sections: 'Recent schedule status of backup[s]' and 'Client Activity [current]'. The 'Recent schedule status of backup[s]' section contains a table with columns: Job Name, Last Backup, Status, and Remarks. The 'Client Activity [current]' section contains a table with columns: Job Name, Backup Server(s), and Last Backup.

Job Name	Last Backup	Status	Remarks
MYSql_Backup1	Wed 15 Jun 2016 11:58:41	✓	Backup completed successfully.
SharePoint_Backup1	Wed 15 Jun 2016 11:58:15	✓	Backup completed successfully.
Filebackup_1	Wed 15 Jun 2016 09:00:13	✓	No new or modified files found for backup.
SQL_Server1	Mon 13 Jun 2016 14:03:58	✓	Backup completed successfully.
Exchange_Backup	Mon 13 Jun 2016 14:03:28	✓	Backup completed successfully.

Job Name	Backup Server(s)	Last Backup
Currently there is no activity (backup, restore or deletion).		

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- You can also monitor backup/restore activities that are carried out in dashboard.

The screenshot shows the Vembu OnlineBackup Client Dashboard with a 'Backup Progress of SQL\_Server1 - Goog...' window open. The window displays the overall progress of the backup, including the job name, warning, reconnection attempts, bandwidth throttling, and a progress bar. The current progress shows the transfer rate, time left, and current file.

Job Name	Last Backup	Status	Remarks
MYSql_Backup1	Wed 15 Jun 2016 11:58:41	✓	Backup comp
SharePoint_Backup1	Wed 15 Jun 2016 11:58:15	✓	Backup comp
Filebackup_1	Wed 15 Jun 2016 09:00:13	✓	No new or m
SQL_Server1	Wed 15 Jun 2016 12:13:20	▲	Backup is in p
Exchange_Backup	Mon 13 Jun 2016 14:03:28	✓	Backup comp

Job Name	Backup Server(s)	Last Backup
SQL_Server1	Vembu Cloud	▲ ▼ X

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- To view list of backups scheduled, user can go to 'Backup → List all backups' page.

## Vembu OnlineBackup User Guide

### Server Dashboard

This page helps user to find detailed reports on backup status, backup activities and billing information.

**Vembu OnlineBackup** test\_aug3

Dashboard Online Backup CloudDR Reports Settings Download

**Backup status**

- Success 6
- Missed 1
- Failed 1

+ View Full Report (Last 24 hrs)

**Backup Activities**

Backup activities shows current backup, restore, delete and retention activities.

+ View Activities

**Billing Information**

There is no card under the account

- [Update your billing information in portal](#)

Usage: 0 Bytes

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Active Windows Go to Desktop or Active Window

### Backup status:

A click on 'View Full Report' under Backup status option lists detailed status (successful/incomplete) of backup jobs in last 24 Hours.

**Vembu OnlineBackup** stability1\_dontdelete

Dashboard Online Backup CloudDR Reports Settings Download

Filter Download Report

View Report

Report filtered by Backup Status [Failure, Suspended, Missed, Partial & Success] Duration [Last 1 day] 1 - 20 of 20

Status	Client Name	Job Name	Schedule Type	Next Schedule Time	Remarks
SUCCESS	win-stabilitysetup	12341	Incremental	Wed 15 Jun 2016 07:25:04	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Wed 15 Jun 2016 06:24:50	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Wed 15 Jun 2016 05:24:39	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Wed 15 Jun 2016 04:23:48	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Wed 15 Jun 2016 03:23:35	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Wed 15 Jun 2016 02:23:59	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Wed 15 Jun 2016 01:23:06	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Wed 15 Jun 2016 00:23:29	No New/Modified...

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Active Windows Go to Desktop or Active Window



## Backup Activities:

This option lists the current status of backup jobs (backup/restore/delete/retention progress details) configured.

The screenshot displays the Vembu OnlineBackup dashboard. At the top, there is a navigation bar with links for Dashboard, Online Backup, CloudDR, Reports, Settings, and Download. The user is logged in as 'stability1\_'. The main content area is divided into three sections:

- Backup status:** Shows a summary of backup results: Success 76, Missed 0, and Failed 1. A button labeled '+ View Full Report (Last 24 hrs)' is present.
- Backup Activities:** A section titled 'Backup Activities' with a sub-header 'Backup activities shows current backup, restore, delete and retention activities.' It includes a '+ View Activities' button.
- Billing Information:** Displays 'Credit card is available under this account' and 'Usage: 292.40 GB'.

Below these sections, a table titled 'Current backup, restore, delete and retention activities' is shown. It has columns for Client Name, Backup Name, and Status. The table contains one entry:

Client Name	Backup Name	Status
sbs2011_stability_vob	Exchange_server	Backup Active

At the bottom of the dashboard, there is a footer with the copyright notice '© 2004 - 2016 Vembu Technologies All Rights Reserved' and an 'Activate Windows' watermark.

## Billing Information:

Billing Information shows the total size used by the user for backup. User will be requested to update their billing information in Vembu portal and will be provided with a link for it. Once updated, user will be charged based on the used storage size and they can check the used size under billing information.

## Vembu OnlineBackup User Guide

### Settings - Client Side

- [Test Connectivity](#)
- [Manage Network Drives](#)
- [Time Zone settings](#)
- [Backup Schedule Window](#)
- [Bandwidth Throttling](#)
- [Advanced Encryption settings](#)
- [Credentials](#)

## Vembu OnlineBackup User Guide

### Test connectivity

This feature allows client machine to verify connectivity with backup servers along with other requirements for a successful backup.

- Go to 'Settings → Test Connectivity to Backup Server'

### Procedure:



Hit 'Test connection'. The result will have following details checked:

- **DNS Lookup**- Checks if client details are already present in backup server.
- **Connectivity**- Checks connectivity status of client with backup server.
- **Is the client available on server**- Checks whether client name already exists in server's client list and report the result.
- **Backup server**- Checks the status of IP address/Hostname provided. (i.e) If it's a backup server, DR server or another client machine.

### Example for successful connection:

The screenshot shows the Vembu OnlineBackup web interface. The user is logged in as 'sbs2011jnhjun6'. The navigation bar includes Dashboard, Backup, Restore, Reports, and Settings. The main section is titled 'Test connectivity to Vembu Cloud'. Below this, there is a form with 'Backup Server hostname(or)IP Address' set to 'Vembu Cloud' and a 'Test Connection' button. The results are displayed in a table:

Module	Result Message
✓ DNS Lookup	Hostname/IP 'Vembu Cloud' was successfully resolved.
✓ Connectivity	Connected successfully to the server 'Vembu Cloud' on port '32004'.
✓ Is the client available in server	The client 'sbs2011jnhjun6' is available in server.
✓ Activated	The client 'sbs2011jnhjun6' is activated on the server 'Vembu Cloud'.

At the bottom, there is a footer with copyright information: © 2004 - 2016 Vembu Technologies All Rights Reserved, and an 'Activate Windows' watermark.

Result is:

- **DNS Lookup**- Hostname/IP "Vembu Cloud" was successfully resolved
- **Connectivity**- Connected successfully to the server "Vembu Cloud" on port '32004'
- **Is the client available in server**- The client "(client-name)" is available in server
- **Activated**- The client "(client-name)" is activated on the server "Vembu Cloud"

### Example for failed connectivity:

The screenshot shows the Vembu OnlineBackup web interface. The user is logged in as 'sbs2011\_m27'. The navigation bar includes Dashboard, Backup, Restore, Reports, and Settings. The main section is titled 'Test connectivity to Vembu Cloud'. Below this, there is a form with 'Backup Server hostname(or)IP Address' set to 'Vembu Cloud' and a 'Test Connection' button. The results are displayed in a table:

Module	Result Message
✓ DNS Lookup	Hostname/IP 'Vembu Cloud' was successfully resolved.
✗ Connectivity	The server is not listening on the port '32004'. Make sure the Server is running on the server and that you have specified the right port number. Also, make sure that your NAT/firewall at your server is configured to allow incoming TCP traffic on port.

At the bottom, there is a footer with copyright information: © 2004 - 2016 Vembu Technologies All Rights Reserved, and an 'Activate Windows' watermark.



Result is:

- **DNS Lookup-** Hostname/IP 'Vembu Cloud' was successfully resolved.
- **Connectivity-** The server is not listening on the port '32004'. Make sure the Server is running on the server and that you have specified the right port number. Also, make sure that your NAT/firewall at your server is configured to allow incoming TCP traffic on port.

## Vembu OnlineBackup User Guide

### Manage Network Drives

This option lets users add, delete network drives which will then be listed along with a separate drive letter and can be configured for storage location.

**Note:** Mapped network drives are not supported when Vembu NetworkBackup runs in local logon account. Change logon user with administrator privileged user in service management console and then proceed configuring Network drive.

- Go to 'Settings → Manage Network Drives'

#### Add & Manage Network drives:

To add a network drive, one must provide following attribute details:

- **Drive Name-** Provide a drive letter/name for network drive to be added.
- **Drive Path-** Network path of drive to be added.  
Ex: \\<MACHINE\_NAME OR IP\_ADDRESS>\<SHARE\_NAME>

**Manage Network Drives**

Drive Name:

Drive Path:  eg - \\<MACHINE\_NAME OR IP\_ADDRESS>\<SHARE\_NAME>

Username:

Password:

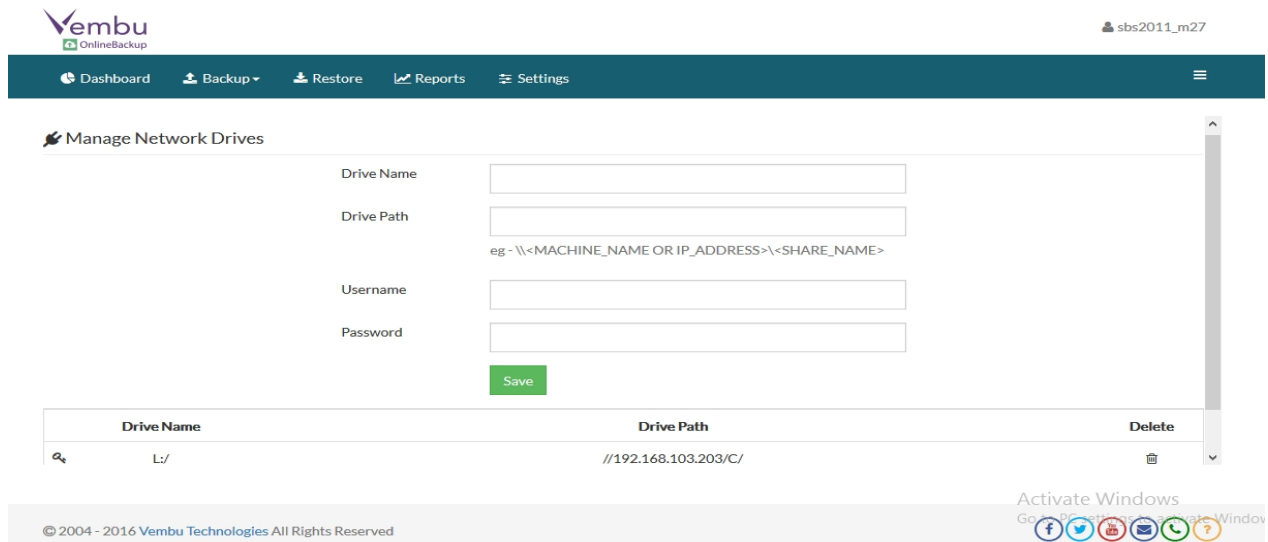
Mapped Drive was successfully saved.

Drive Name	Drive Path	Delete
I - /	//192.168.103.203/C/	<input type="button" value="Delete"/>

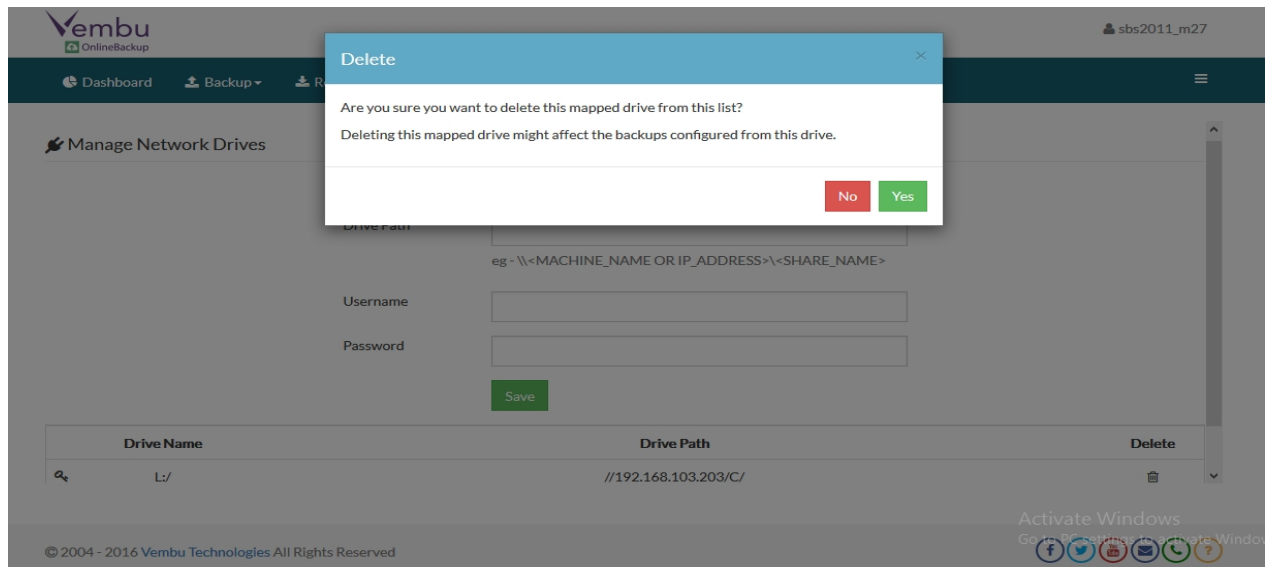
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- **Username & Password-** If network drive requires login authentication provide the username and password to authenticate drive addition.
- A user can add 'n' number of network drives and can manage it via 'Manage network drives' page.





- A network drive added can also be deleted if not required, with 'delete' option alongside drives added.



## Vembu OnlineBackup User Guide

### Time Zone Settings

This option lets user choose the time zone at which client backup reports are to be maintained.

**Note:** By default, when a user logs in for the first time after a fresh client installation, the time zone settings will be asked which can then be changed via this option if required.

- Go to 'Settings → Time Zone Settings'

### Choose time Zone

- Choose your appropriate time zone, in the 'Select time zone' drop down box and save it.



The screenshot shows the Vembu OnlineBackup web interface. The top navigation bar includes links for Dashboard, Backup, Restore, Reports, and Settings. The user is logged in as 'sbs2011jnhjun6'. The main content area displays the message 'Time zone is set to Asia/Kolkata' and 'Wed 15 Jun 2016 16:00:34'. Below this, there is a 'Select Time Zone:' dropdown menu. The dropdown is open, showing a list of time zones including (GMT+05:30) Asia/Kolkata, (GMT+04:00) Asia/Tbilisi, (GMT+04:00) Indian/Mahe, (GMT+04:00) Asia/Dubai, (GMT+04:00) Asia/Yerevan, (GMT+04:30) Asia/Tehran, (GMT+04:30) Asia/Kabul, (GMT+05:00) Indian/Maldives, (GMT+05:00) Asia/Samarkand, (GMT+05:00) Antarctica/Mawson, (GMT+05:00) Asia/Tashkent, (GMT+05:00) Asia/Yekaterinburg, (GMT+05:00) Asia/Oral, (GMT+05:00) Asia/Dushanbe, (GMT+05:00) Asia/Aqtau, (GMT+05:00) Indian/Kerguelen, (GMT+05:00) Asia/Aqtobe, (GMT+05:00) Asia/Karachi, (GMT+05:00) Asia/Baku, and (GMT+05:00) Asia/Ashgabat. The footer contains the copyright notice '© 2004 - 2016 Vembu Technologies All Rights Reserved' and an 'Activate Windows' watermark.

## Vembu OnlineBackup User Guide

### Backup Schedule Window

Some businesses running backups require a time frame to perform backup tasks and 'Backup schedule window' is a option that lets business users schedule the required time limit during when Vembu NetworkBackup will pause backup jobs and resume later when scheduled window limit ends. Users can also schedule if backup jobs can be scheduled to run on weekends or not.

- Go to 'Settings → Backup Schedule Window'

#### Schedule

- Provide the start and end time of window when backup jobs will not run and click save.
- By default, No Preference will be selected which can be changed when required.

The screenshot shows the 'Backup Schedule Window' settings page in the Vembu OnlineBackup web interface. The user is logged in as 'win-august08\_37'. The page has a radio button selection for 'No Preference' and 'Select Window'. The 'Select Window' option is chosen. Below this, there are input fields for 'Start Time' (08:00 AM) and 'End Time' (06:00 PM). There is also a dropdown for 'Applicable on' with options 'all weekdays', 'all days', and 'all weekdays' (selected). A green 'Save' button is present. The footer contains the copyright notice '© 2004 - 2016 Vembu Technologies All Rights Reserved' and an 'Activate Windows' watermark.



## Vembu OnlineBackup User Guide

### Bandwidth Throttling

Bandwidth throttling option enables user to limit network bandwidth used by backup jobs. This helps in a balanced network usage in a work environment.

**Note:** If bandwidth throttling is configured in both client and backup server, then the bandwidth throttling setting of backup server will be active over client settings for backup jobs.

- Go to 'Settings → Bandwidth Throttling'

#### Options to Bandwidth Throttle:

- When a user enables bandwidth throttling on client end, he will have two options to choose from:
  - Throttle bandwidth always
  - Throttle bandwidth 'From' - 'To'

**Throttle bandwidth always-** This option will keep the applied bandwidth limit always active.

**Throttle bandwidth 'From' - 'To'-** This option allow user to specify a time frame during when the applied throttling will be active.

- Users will be asked to specify the maximum throttle limit on client machines that ranges in: Kbps, Mbps, Gbps.
- In addition, a checkbox to disable throttling during weekends is provided; Which can be enabled when required.

Vembu OnlineBackup

sbs2011jnhjun6

Dashboard Backup Restore Reports Settings

#### Client Side Bandwidth Throttling

Enable Bandwidth Throttling ☒

☒ Throttle bandwidth always  
☐ Throttle bandwidth

From: 09 00 AM  
 To: 09 00 PM

☐ Disable Bandwidth Throttling during Weekend

Throttle each backup to maximum of 1 Mbps

Save

Activate Windows  
Go to PC settings to activate Windows

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- Once done with selecting required configuration, click save.

## Vembu OnlineBackup User Guide





## Advanced Encryption Settings

Users can provide default encryption password for backup jobs to be configured in client machines, which will later be used in every backup job configured.

**Note:** Users will also have checkboxes to enable encryption to: File backup and Other backups.

- Go to 'Settings → Advanced Encryption settings'

### Encryption password

- Provide user-defined encryption password and reconfirm it.
- You can enable encryption to File backup and other backup by enabling checkbox options.

The screenshot displays the 'Advanced Encryption Settings' interface. At the top, there's a navigation bar with 'Dashboard', 'Backup', 'Restore', 'Reports', and 'Settings'. The 'Settings' page is titled 'Advanced Encryption Settings'. It features two input fields: 'Encryption Password' and 'Confirm Encryption Password'. Below these are two checkboxes: 'Add File Backup' and 'Other Backup'. At the bottom of the form are 'Save' and 'Clear' buttons. The footer of the page includes the copyright notice '© 2004 - 2016 Vembu Technologies All Rights Reserved' and an 'Activate Windows' watermark.

- Once done, click save.

## Vembu OnlineBackup User Guide

### Credentials

Certain applications require login credentials to proceed accessing its data and to configure application backup jobs. To proceed with uninterrupted backup schedules with Vembu NetworkBackup, it is recommended to save application credentials.

### MySQL credential

- Go to 'Settings → Credentials → MySQL credential'
- By default, MySQL exe path and MySQL Dump exe path will be provided as 'C:/Program Files/MySQL/MySQL Server 5.5/bin/'
- And MySQL server instance port is provided as 3306, by default (which can be changed).



- User will be required to provide MySQL login credentials in order proceed accessing MySQL databases (Username & Password). Please be informed, each MySQL instance can have it own user credentials and make sure you provide them correctly.
- Finally, a temporary location to store backup dumps should be provided. Default location chosen: C:/Program Files/Vembu/VembuNetworkBackupClient/plugin-data/mysqlserver/

**Note:** All the above default values are taken, when MySQL is installed in your machine (in which Vembu NetworkBackup runs). If not, the values will be left empty and user have to provide the details.

The screenshot displays the 'MySQL Credential' configuration interface. It includes a navigation bar at the top with 'Dashboard', 'Backup', 'Restore', 'Reports', and 'Settings'. The main form contains the following fields: 'MySQL Server Name' (localhost), 'MySQL Server Instance Port[default]' (3306), 'MySQL EXE Path [ mysql.exe ]' (C:/Program Files/MySQL/MySQL Ser), 'MySQL Dump EXE Path [ mysqldump.exe ]' (C:/Program Files/MySQL/MySQL Ser), 'MySQL User Name', 'MySQL Password', and 'Temporary location to store the backup dumps' (C:/Program Files/Vembu/VembuOnli). A 'Save' button is located below the form. The footer includes copyright information (© 2004 - 2016 Vembu Technologies All Rights Reserved) and social media links.

- Once done providing details, hit save.  
**Note:** Ensure the temporary location have enough storage space for storing backup dump which will be deleted once transferred to backup server.

## SharePoint Credential

- Go to 'Settings → Credentials → SharePoint credential'

The page will have the following tabs to choose:

### Path settings:

- STSADM Tool Path [ STSADM.exe ] -

Default locations of STSADM tool for:

**WSS2.0/MOSS2003-** "C:\Program Files\Common Files\Microsoft Shared\web server extensions\60\BIN\" folder.

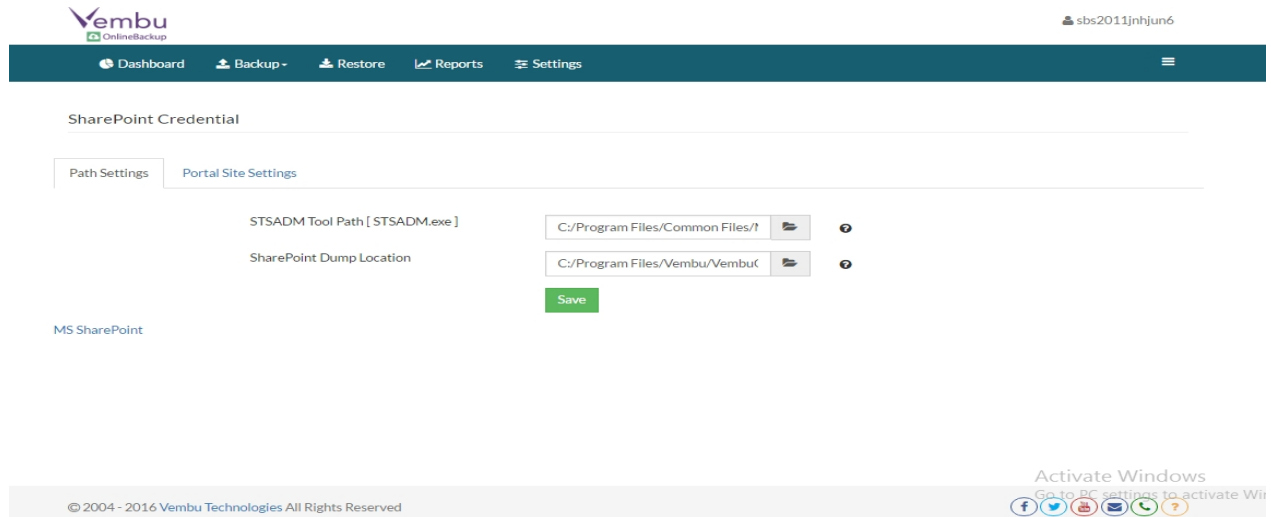
**WSS3.0/MOSS2007-** "C:\Program Files\Common Files\Microsoft Shared\web server extensions\12\BIN\" folder.

**MS SharePoint 2010-** "C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\BIN\" folder.

- SharePoint dump location-



Location where backup dumps are stored temporarily in the local machine and will be deleted once transferred to backup server.



The screenshot shows the 'Path Settings' tab in the 'SharePoint Credential' section. It contains two input fields: 'STSADM Tool Path [ STSADM.exe ]' with the value 'C:/Program Files/Common Files/...' and 'SharePoint Dump Location' with the value 'C:/Program Files/Vembu/Vembu...'. A green 'Save' button is at the bottom. The footer includes '© 2004 - 2016 Vembu Technologies All Rights Reserved' and an 'Activate Windows' watermark.

- Once done providing path details, click save.

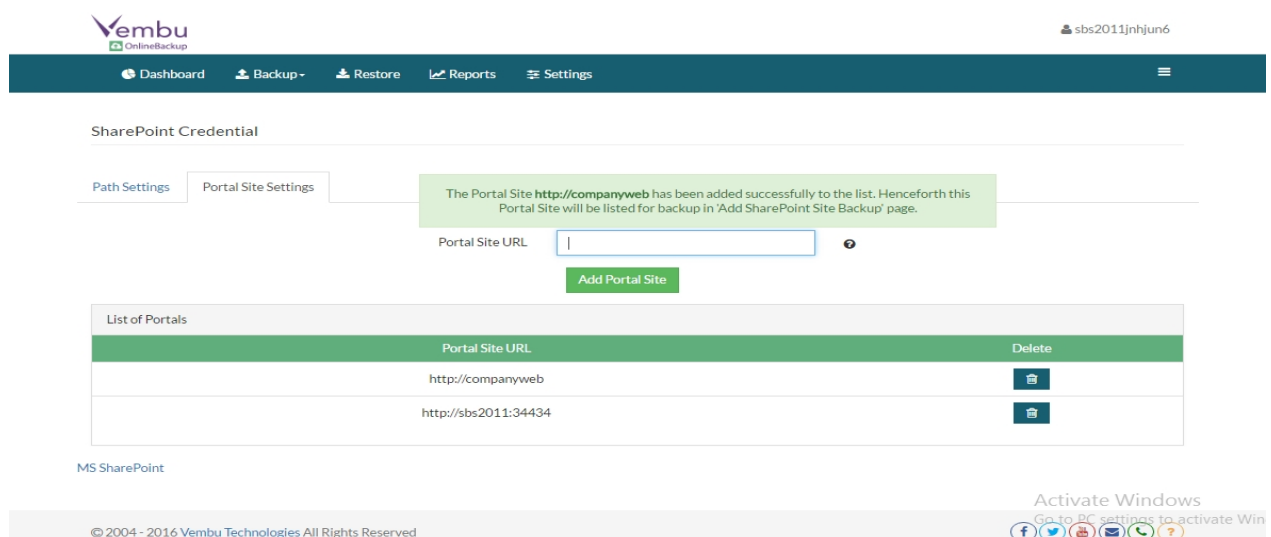
**Note:** If SharePoint Central Administration is installed in your machine, then the details in path settings are auto filled with default path. If it is not installed, then user is required to provide the path details.

### Portal Site settings:

- A user can add 'n' number of portal site URLs, which he/she wish to configure as a backup job.
- In WSS2.0/SPS2003, the list of portal site URLs can be obtained from following page:

SharePoint Central Settings → SharePoint Portal server → Portal Site and Virtual Server configuration → List and manage portal sites

- Once done providing portal site URL correctly, click save.



The screenshot shows the 'Portal Site Settings' tab. A green message box states: 'The Portal Site http://companyweb has been added successfully to the list. Henceforth this Portal Site will be listed for backup in 'Add SharePoint Site Backup' page.' Below this is an input field for 'Portal Site URL' and an 'Add Portal Site' button. A table titled 'List of Portals' contains two entries: 'http://companyweb' and 'http://sbs2011:34434', each with a 'Delete' button. The footer includes '© 2004 - 2016 Vembu Technologies All Rights Reserved' and an 'Activate Windows' watermark.

Portal Site URL	Delete
http://companyweb	
http://sbs2011:34434	



- The list of added portal site URLs will be displayed under portal site settings which can then be deleted if required.

## MS SQL credential

- Go to 'Settings → Credentials → MSSQL Credential'
- Add MS SQL server instance using 'Add SQL server instance' option, where you can add 'n' number of SQL server instances when required to backup.
- Now proceed to providing 'SQL server connection properties' where user will be required to choose a server instance and select authentication level as SQL Server authentication.
- Once done, provide user credentials for SQL server, so that databases can be accessed for backup purposes.
- Once done providing all required details, click next to proceed configuring backups for selected SQL server instance.

The screenshot shows the Vembu OnlineBackup web interface. The top navigation bar includes 'Dashboard', 'Backup', 'Restore', 'Reports', and 'Settings'. The user is logged in as 'sbs2011jnhjun6'. The main content area is titled 'MSSQL Server Credential' and contains the following fields:

- SQL Server Instance Name:** A dropdown menu with the placeholder text '<Select Instance Name>'. Below it is a link 'Add SQL Server Instance'.
- Authentication:** A dropdown menu with 'SQL Server Authentication' selected.
- Username:** A text input field containing 'admin'.
- Password:** A password input field with masked characters '\*\*\*\*\*'.
- Buttons:** 'Next' and 'Cancel' buttons at the bottom.

At the bottom of the page, there is a copyright notice: '© 2004 - 2016 Vembu Technologies All Rights Reserved' and an 'Activate Windows' watermark with social media icons.

**Note:** If SQL server instance properties is already saved, user will be asked whether to proceed with previous authentication:

- If clicked 'yes' then you will be directed to configure backups with previous configuration.
- If clicked 'no', then new credential properties should be provided for authentication.

## Vembu OnlineBackup User Guide

### Settings - Server Side

- [Email settings](#)

## Vembu OnlineBackup User Guide



## Email settings

This option let users set SMTP server and customer email address to which backup reports can be mailed periodically. Options to configure sending various reports to different email addresses is also available.

By default, Email settings will be disabled.

- Go to 'Settings → Email settings'

Vembu OnlineBackup

stability1\_dontdelete

Dashboard Online Backup CloudDR Reports Settings Download

Email Configuration ☐

SMTP Server Settings

Outgoing (SMTP) Server  [More Options](#)

Sender Email ID

Email Reports

Email Notification Recipient(s)

☒ Use the same Email IDs for all the reports ☐ Use different Email IDs for each report

[Save](#) [Clear](#)

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Activate Windows  
Go to Settings to activate Windows.

- Enable Email Configuration.

Vembu OnlineBackup

vembu1\_may24

Dashboard Online Backup CloudDR Reports Settings Download

Email Configuration ☒

Password

Authentication Type

SMTP Secure Protocol

Sender Email ID  [Test Mail Server](#)

Email Reports

Email Notification Recipient(s) ☒ Use the same Email IDs for all the reports ☐ Use different Email IDs for each report

Common mail id for all reports

[Save](#) [Clear](#)

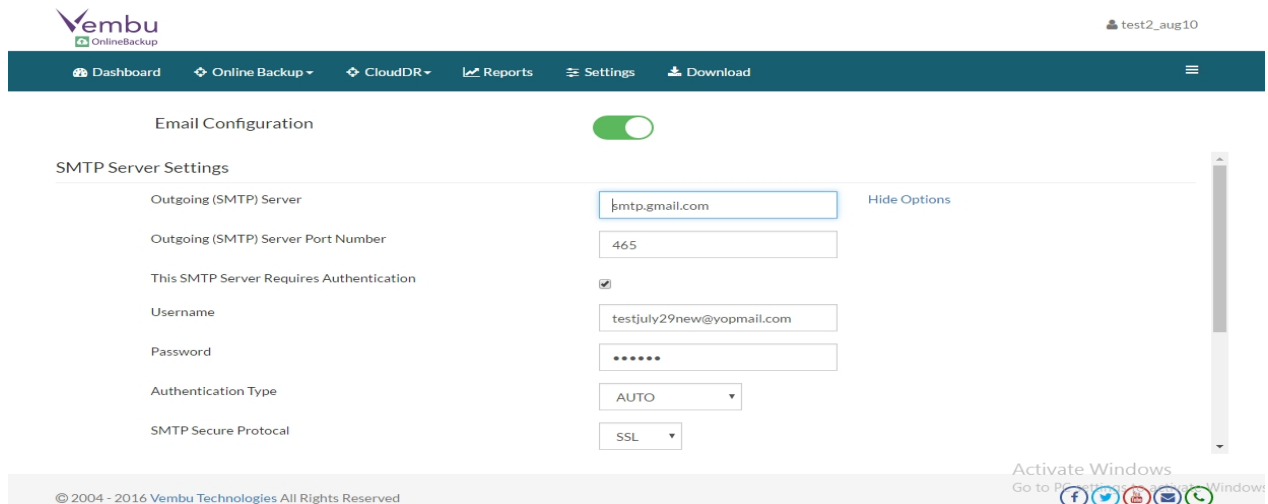
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Activate Windows  
Go to Settings to activate Windows.

### Configure SMTP server

- Provide SMTP server details and if required provide outgoing server port number.
- Also do provide authentication credentials, if SMTP server requires one.
- You also do have options to choose authentication type and SMTP secure protocol.





The screenshot shows the 'Email Configuration' page in the Vembu OnlineBackup interface. The 'Email Configuration' toggle is turned on. Under 'SMTP Server Settings', the following fields are visible:

- Outgoing (SMTP) Server: smtp.gmail.com
- Outgoing (SMTP) Server Port Number: 465
- This SMTP Server Requires Authentication: ☒
- Username: testjuly29new@yopmail.com
- Password: (masked with dots)
- Authentication Type: AUTO
- SMTP Secure Protocol: SSL

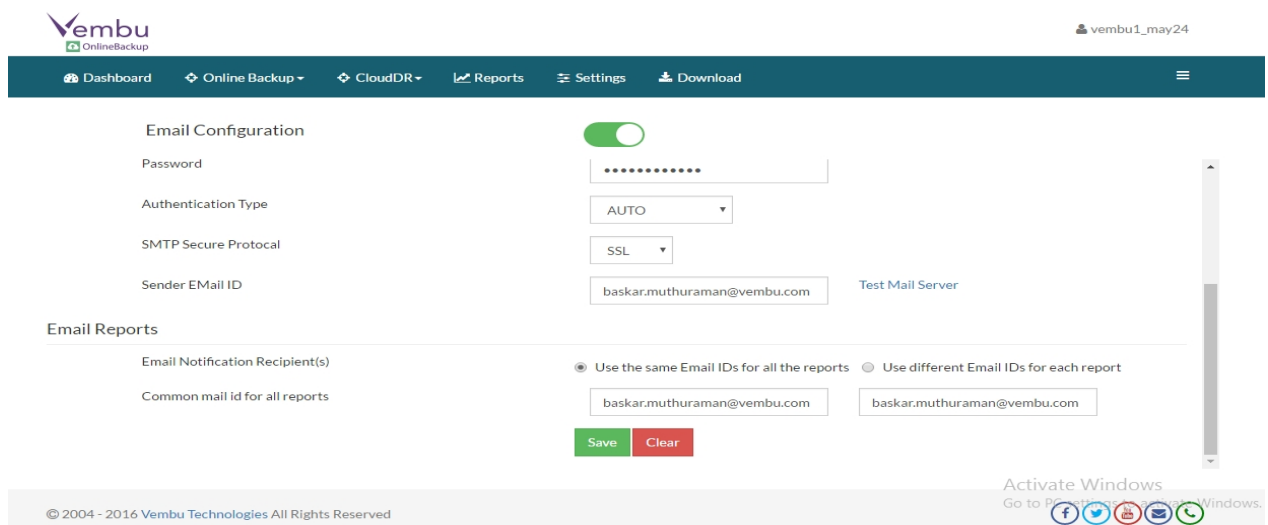
At the bottom right, there is a 'Test Mail Server' button. The footer includes the copyright notice '© 2004 - 2016 Vembu Technologies All Rights Reserved' and a Windows activation watermark.

Once done providing SMTP server details, user can test by sending a test mail and verify it is working successfully.

### Email reports:

Users can configure:

- A single Email ID to receive all success/failure reports from server.



The screenshot shows the 'Email Reports' configuration page. The 'Email Configuration' toggle is turned on. The 'Email Reports' section includes:

- Sender EMail ID: baskar.muthuraman@vembu.com
- Email Notification Recipient(s):
  - ☒ Use the same Email IDs for all the reports
  - ☐ Use different Email IDs for each report
- Common mail id for all reports: baskar.muthuraman@vembu.com

At the bottom, there are 'Save' and 'Clear' buttons. The footer includes the copyright notice '© 2004 - 2016 Vembu Technologies All Rights Reserved' and a Windows activation watermark.

- Enable different Email IDs for each success/failure report generated (Server backup/restore/delete reports).



The screenshot shows the Vembu OnlineBackup web interface. At the top, there's a navigation bar with links: Dashboard, Online Backup, CloudDR, Reports, Settings (active), and Download. The user is logged in as 'vembu1\_may24'. The main content area is titled 'Email Configuration' and includes a toggle switch for 'Email Configuration' which is turned on. Below this, there's a section for 'SMTP Secure Protocol' with a dropdown menu set to 'SSL'. The 'Sender Email ID' field contains 'baskar.muthuraman@vembu.com' and there's a 'Test Mail Server' button. The 'Email Reports' section has two radio buttons: 'Use the same Email IDs for all the reports' (selected) and 'Use different Email IDs for each report'. Under the selected option, there are three input fields for email addresses, all containing 'baskar@gmail.com'. Under the unselected option, there are three input fields, with the first two containing 'baskar1@gmail.com' and the third containing 'baskar1@gmail.com'. At the bottom of the form are 'Save' and 'Clear' buttons. The footer shows '© 2004 - 2016 Vembu Technologies All Rights Reserved' and an 'Activate Windows' watermark.

- Once done with configuration, click 'Save'.

## Vembu OnlineBackup User Guide

### Server Management

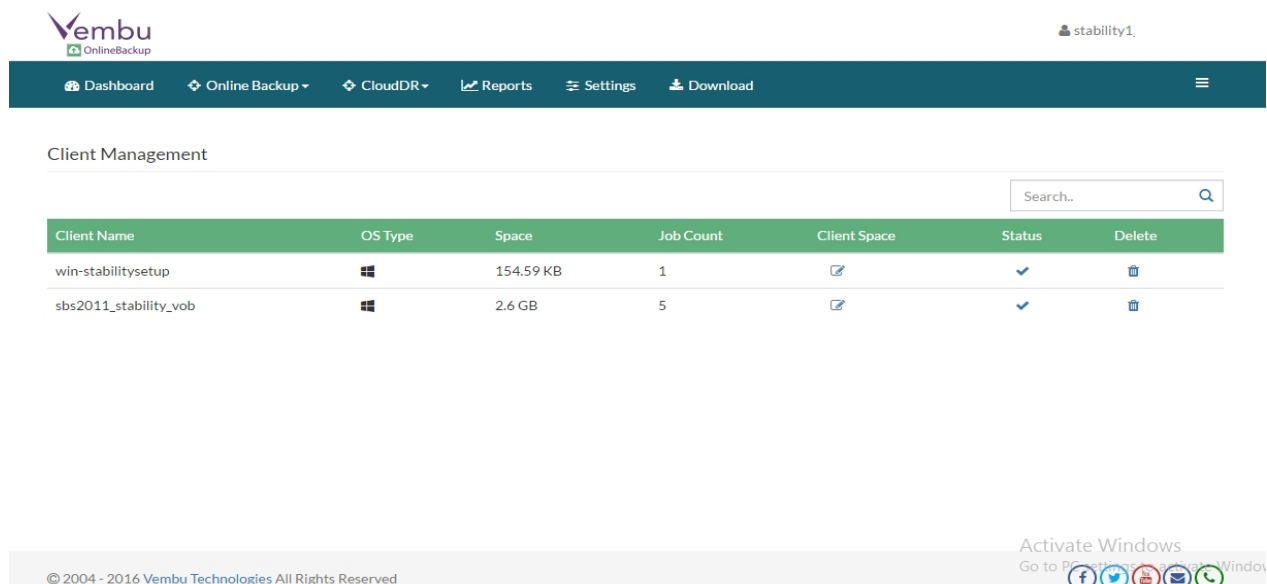
- [Client Management](#)
- [Download](#)

## Vembu OnlineBackup User Guide

### Client Management

- Go to 'Online Backup → Client Management'
- This page shows the list of clients that are registered with user's Vembu cloud account along with their machine details such as: OS Type, Used Space and Job count.
- Users can also edit the storage space allotted for a specific client using 'Client Space' option, deactivate/activate clients if required and can also delete the clients if no longer required.





The screenshot shows the Vembu OnlineBackup web interface. At the top, there's a navigation bar with links: Dashboard, Online Backup, CloudDR, Reports, Settings, and Download. The user is logged in as 'stability1'. The main section is 'Client Management', which includes a search bar and a table of clients.

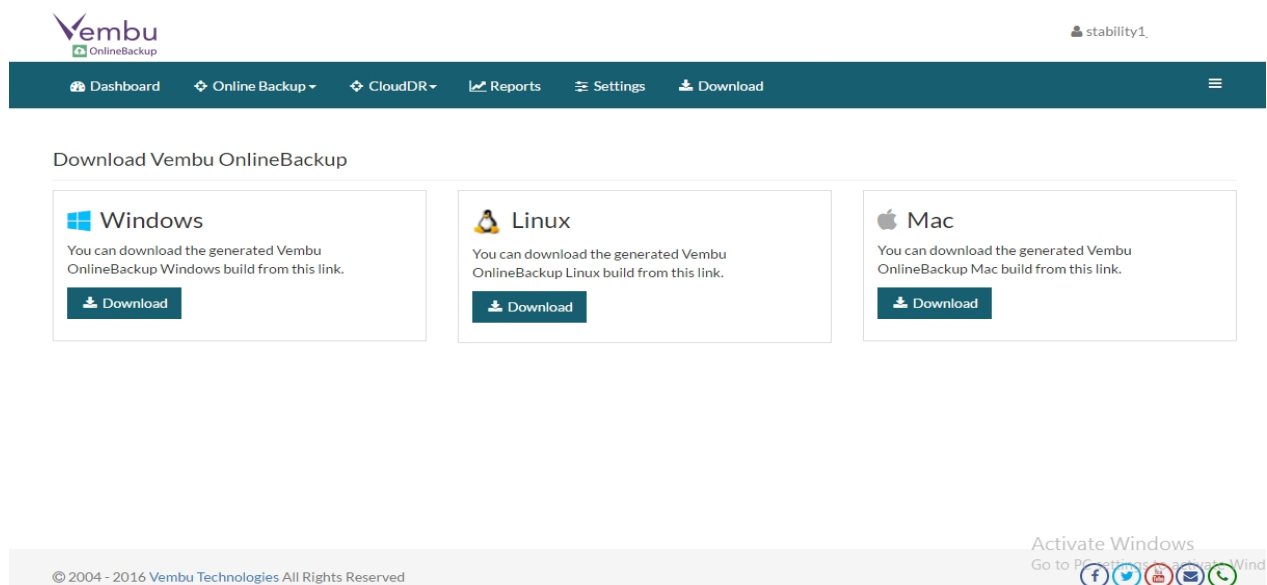
Client Name	OS Type	Space	Job Count	Client Space	Status	Delete
win-stabilitysetup	Windows	154.59 KB	1	<a href="#">View</a>	✓	<a href="#">Delete</a>
sbs2011_stability_vob	Windows	2.6 GB	5	<a href="#">View</a>	✓	<a href="#">Delete</a>

At the bottom, there's a footer with copyright information: © 2004 - 2016 Vembu Technologies All Rights Reserved, and an 'Activate Windows' watermark.

## Vembu OnlineBackup User Guide

### Download

- Go to 'Download'
- This section will provide links to download Vembu OnlineBackup client installer for various OSes like: Windows, Linux and Mac



The screenshot shows the 'Download Vembu OnlineBackup' section of the web interface. It features three cards for different operating systems: Windows, Linux, and Mac. Each card contains a brief description and a 'Download' button.

**Windows**

You can download the generated Vembu OnlineBackup Windows build from this link.

[Download](#)

**Linux**

You can download the generated Vembu OnlineBackup Linux build from this link.

[Download](#)

**Mac**

You can download the generated Vembu OnlineBackup Mac build from this link.

[Download](#)

The footer includes the same copyright notice and 'Activate Windows' watermark as the previous screenshot.

## Vembu OnlineBackup User Guide

### Reports

- [Server Side - Backup Status Report](#)





- [Server Side - Historical Report](#)
- [Client Side - Backup Report](#)
- [Client Side - Restore Report](#)
- [Client Side - Deleted Backups](#)

## Vembu OnlineBackup User Guide

### Backup Status Report

- Go to 'Reports → Backup Status Report'
- A page where user can view, filter and download overall backup status report will be displayed. Backup status includes: Failure, Suspended, Missed, Partial & Success.

**Vembu OnlineBackup** stability1\_dontdelete

Dashboard Online Backup CloudDR Reports Settings Download

Filter Download Report

View Report

Report filtered by Backup Status [Success] Duration [Last 1 day] 1 - 24 of 24

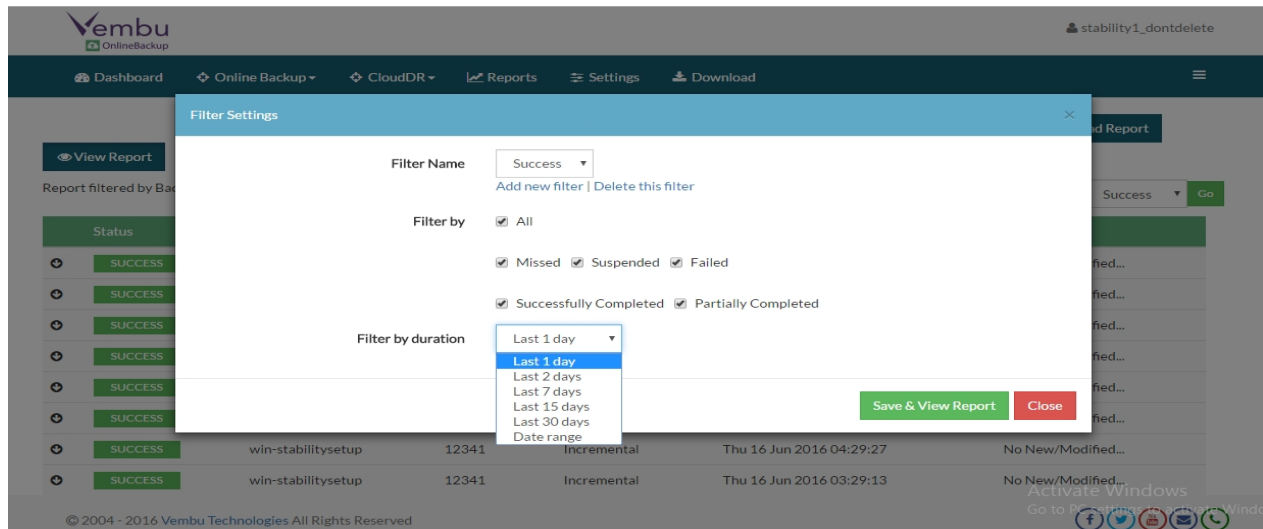
Status	Client Name	Job Name	Schedule Type	Next Schedule Time	Remarks
SUCCESS	win-stabilitysetup	12341	Incremental	Thu 16 Jun 2016 10:30:50	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Thu 16 Jun 2016 09:30:36	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Thu 16 Jun 2016 08:31:01	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Thu 16 Jun 2016 07:30:09	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Thu 16 Jun 2016 06:29:56	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Thu 16 Jun 2016 05:30:19	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Thu 16 Jun 2016 04:29:27	No New/Modified...
SUCCESS	win-stabilitysetup	12341	Incremental	Thu 16 Jun 2016 03:29:13	No New/Modified...

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### Filter report

- Filter option let users add custom filters where they can apply filter of their choice for ease of view.
- Backup filter includes following statuses to choose from: Missed, suspended, failed, successfully completed, partially completed and all.
- Filters can also be applied based on duration where users can provide their custom data range, apart from ranging between last 1-30 days.

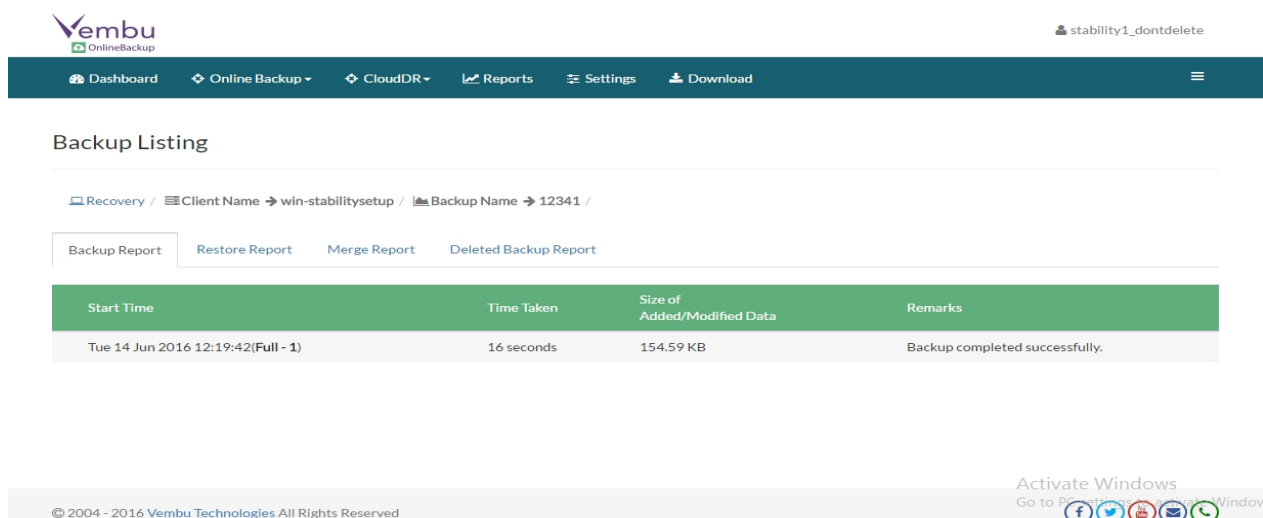




## Vembu OnlineBackup User Guide

### Historical Report

- Go to 'Online Backup → Recovery' page which lists all backup jobs configured to Vembu Cloud.
- A report option will be seen alongside each backup job.
- Click reports for any specific job, you wish to view historical reports.
- In this page, users can view historical reports of any specific backup, by choosing respective backup job. Once done selecting, user can view following reports:
  - Backup report
  - Restore report
  - Merge report
  - Deleted backup report



- Users can also filter the reports to view status of full backups alone(excluding incrementals).



## Vembu OnlineBackup User Guide

### Backup Report

- Go to 'Reports → Backup reports'
- The page lists every backup scheduled in client machine along with remarks for last backup schedule.

The screenshot shows the Vembu OnlineBackup web interface. The top navigation bar includes links for Dashboard, Backup, Restore, Reports, and Settings. The 'Reports' section is active, displaying a table titled 'Summary of Last Backup Reports'.

Job Name Click for details	Backup Server(s)	Last Backup	Plugin Type	Skipped Files	Skipped Folders	Success Rate	Remarks
<a href="#">Exchange_MailBox</a>	Vembu Cloud	Tue 14 Jun 2016 12:21:02	Exchange Mailbox Plugin	0	0	100.00%	Backup completed successfully.
<a href="#">Exchange_MailBox1</a>	Vembu Cloud	Mon 13 Jun 2016 13:53:36	Exchange Mailbox Plugin	0	0	-	No new or modified files found for backup.

At the bottom of the interface, there is a footer with copyright information: © 2004 - 2016 Vembu Technologies All Rights Reserved, and an 'Activate Windows' watermark.

- Selecting a specific backup job will list a detailed history of backup report of the specified backup job.

The screenshot shows the Vembu OnlineBackup web interface with the 'Backup Reports' section selected. It displays a detailed report for the job 'Exchange\_MailBox'.

**Backup Reports**

List All Backup Reports / Backup Name → Exchange\_MailBox / Listing 1 to 1 of 1 jobs

Start Time	Time Taken	Total Files Listed	Size	Success Rate	Remarks
Tue 14 Jun 2016 12:20:31	31 seconds	1	576 KB	100.00 %	Backup completed successfully.

Additional details for the selected job:

- Modified Files : 0
- Added Files : 1
- No. of Users' Mailbox Fol..
- Skipped Files : 0
- Skipped Folders : 0
- Deleted Files : 0
- Unprocessed Files : 0
- Exchange Server Name : SBS2011
- Username : test

Folder Name	Total Items	Size	Skipped	Folder Name	Total Items	Size	Skipped
Inbox	2	576 KB	-		-	-	-

The interface also includes a footer with copyright information and an 'Activate Windows' watermark.

## Vembu OnlineBackup User Guide

### Restore Report

- Go to 'Reports → Restore reports'
- The page provides a history report on restores processed in client machine for each



backup.

Summary of Restore Reports

Restored Schedule [ Click for details ]	Client (Source Machine)	Last restored on
<a href="#">Exchange MailBox</a>	sbs2011_m27	Tue 14 Jun 2016 12:54:03

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- Selecting a specific backup job will list a detailed history on restore report of the chosen backup.

Restore reports

Server Name	Start Time	End Time	Total Files	No. of files Restored	No. of files Skipped	Success Rate
Vembu Cloud	Tue 14 Jun 2016 12:54:03	Tue 14 Jun 2016 12:54:09	1	1	0	100 %

Backup Schedule :Exchange\_MailBox  
 Server (restored from) :Vembu Cloud  
 Restore Location :C:/Program Files/Vembu /VembuOnlineBackup/ plugin-data/ExchangeMailBox/  
 Start Time :Tue 14 Jun 2016 12:54:03  
 End Time :Tue 14 Jun 2016 12:54:09  
 Total Time Taken :00:00:06  
 Selected version for restore :Tue 14 Jun 2016 12:28:57  
 Restore Deleted Files :No  
 Restore advanced option selected:Overwrite the existing file with the restored file.  
 Remarks :Restore completed successfully

Exchange Mailbox Restore Details


Exchange Server Name	:SBS2011	Exchange restore start time	:Tue 14 Jun 2016 12:54:07
Exchange restore status	:Completed	Exchange restore end time	:Tue 14 Jun 2016 12:54:09
Total Time Taken	:00:00:02		

## Vembu OnlineBackup User Guide

### Deleted Backups

- Go to 'Reports → Deleted Backups'
- A report listing backup jobs that are deleted, specifying the backup name, deleted name and delete status will be displayed.





sbs2011\_m27

DashboardBackupRestoreReportsSettings

Deleted Backup Report

Job Name	Deleted Time	Status	Message
filesss_may27	Thu 16 Jun 2016 15:16:32	✓	Backup data deleted successfully on server Vembu Cloud. Backup Schedule successfully deleted on client sbs2011_m27.
filewasdfg	Thu 16 Jun 2016 15:16:06	✓	Backup data deleted successfully on server Vembu Cloud. Backup Schedule successfully deleted on client sbs2011_m27.

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Activate Windows

Go to Settings to activate Windows.

