



Vembu BDR Server Installation Guide - Linux



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Vembu BDR server is currently supported for below versions of Linux machines(Please make sure that you are using any one of the below version).

- Ubuntu 18.04 LTS (64 Bit)
- Ubuntu 16.04 LTS (64 Bit)
- Ubuntu 14.04 LTS (64 Bit)

To install Vembu BDR Backup Server on Linux machines follow the steps given below:

Make sure you are a root user (use “sudo su” command to be a root user), now copy the download [link](#) of installer file and download using wget command.

- Once you execute wget command you will have “VembuBDRSetup.sh” in the download location.

```
root@vembu-virtual-machine:/home/vembu# sh VembuBDRSetup.sh
```

- Run installer by using “sh” command. For ex: #sh VembuBDRSetup.sh. Installation process begins with the wizard below, click yes to proceed with the installation.

```
=====
| Welcome to Vembu BDR Suite installation setup wizard.
|
| We will now take you through the Vembu BDR installation process.
| Vembu BDR is proprietary software of Vembu Technologies and is licensed under
| its own terms which you are required to accept for this installation.
|
| If you would like to install Vembu BDR, Please enter yes to proceed.
|
=====
Do you want to proceed [yes/no]:
```

- The installer shows the License Agreement, kindly go through the License Terms carefully. If you agree enter “y” to proceed with your installation.

```

VEMBU END USER LICENSE AGREEMENT

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1.DEFINITIONS

1.1 'Confidential Information' means all information, material or data concerning the business, accounts, finance, techn
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nd-User's expense, should End-User wish to contest the disclosure or seek a protective order).

1.2 'End-User' means any corporation or other person that has obtained a license from the Owner of Vembu Software and ha

```

- After initiating the installer, it will check for dependent packages and request for a confirmation from your side. You can enter “y” to proceed further.

Please find the packages to be downloaded by Vembu BDR application here:

- PostGreSQL RDMS (10)
- PostGreSQL Connector (10.03)
- ODBC Driver (2.3.4)
- Vembu BDR Server (x.x.x)

```

This installer will take care of setting up your VembuBDR server with the following orders.

Description : This is also called a simple installation, where all the component required to operate VembuBDR
will get installed on the same machine, which includes the latest VembuBDR Application.

ODBC driver-2.3.4
PostgreSQL Connector-10.03
VembuBDR-4.1.0
PostgreSQL-10

Do you want to proceed [y/n]: █

```

- Here you need to specify the location where you want to store PostgreSQL files(you can also proceed with the default choice). Vembu BDR will basically require 10% of the backup data storage for the internal meta data store. Hence please assess and configure a storage medium appropriate to the storage requirements. Besides please ensure your drives have higher I/O performance. Kindly specify the path and click Enter. We recommend you to use dedicated drive for this location instead of root volume. **(Important STEP)**

```

VembuBDR will basically require 10% of the backup data storage for the internal meta-data store. Hence please
assess and configure a storage medium appropriate to the storage requirements. Besides please ensure your driv
es have higher I/O performance.

*****
Default storage location for PostgreSQL : '/var/lib/postgresql/10/main'
*****
Do you want to change the default storage location for the PostgreSQL [y/n] : y

Please specify the path :
/home/vembubdrserver █

```

- The Next step will specify the default port value for PostgreSQL which is 32010 and you

can also change the default port value by proceeding with a 'y' as follows:

Note: You can enter the port value from 1024 to 65535. You cannot enter a port number that is below or beyond the allowed limit. Also you cannot proceed with a port value which is already been used by another process.

```

Default port for PostgreSQL : '32010'
*****
*
Do you want to change the default port for the PostgreSQL [y/n] : y

Please specify the port :
9960
Given Postgresql server port is currently occupied by another process. Enter an
other valid port number:
24
Please specify the valid port number between 1024 and 65535 to proceed

```

- Enter a valid port value and proceed.
- Then installer will proceed to install Unix ODBC and PostGreSQL driver.
- Click "yes" to proceed installing dependency packages of PostGreSQL.

```

Installing Unix ODBC and Postgresql driver please wait...
odbc configurations for postgresql is in progress.

*****
Test Connectivity between "ODBC-driver" and \PostgreSQL-Server"
*****
*****
#####Installing unixodbc finished#####
*****
#####Installing postgresql database please wait#####
*****
[ ok ] Starting postgresql (via systemctl): postgresql.service.

```

- Once done installing PostGreSQL, PostGreSQL will start automatically and
 - Databases will be created and
 - ODBC driver will be connected to PostGreSQL server

```

[ ok ] Starting postgresql (via systemctl): postgresql.service.

ALTER ROLE
CREATE DATABASE

SUCCESS : ODBC driver is successfully connected to PostgreSQL server

```

- In the Next step installer will begin downloading the 'VembuBDR_4_1_0_DBN.zip' file to proceed with further installation.

```
#####
VembuBDR 4.1.0 Server installation
#####

Downloading VembuBDR Now...

Sg-DebianUbuntu-64bit
--2019-12-18 18:52:10-- http://192.168.100.125/builds/VembuProducts/BDRSuite/4-1-0/13-12-2019-13-50/ServerClie
ntBuilds/VembuBDR_4_1_0_DBN.zip
Connecting to 192.168.100.125:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 229012543 (218M) [application/zip]
Saving to: `VembuBDR_4_1_0_DBN.zip'

VembuBDR_4_1_0_DBN.zip      100%[=====] 218.40M  54.2MB/s   in 4.6s

2019-12-18 18:52:14 (47.6 MB/s) - `VembuBDR_4_1_0_DBN.zip' saved [229012543/229012543]
```

- Once download is completed. The Vembu BDR Backup server build installation starts automatically and asks to choose type of installation. “Option 1” is to Install Vembu BDR by creating a new Vembu BDR user account with root privileges or “Option 2” to install Vembu BDR in the current user and proceed with the installation. By default we recommend to choose Option1.

```
*****
Welcome to the installation setup of Vembu BDR
*****

*****
Choose Vembu BDR installation type
*****

You can perform two types of installations :

1 - Install Vembu BDR by creating a new vembubdr user account with root privileges.

Select this installation type if you would like to configure backup
of other user files, system files, mysql database files etc. in the system.
Note that Vembu BDR will be installed as a daemon process and will
automatically start when the system boots up.
You would need to login as root to install Vembu BDR
for this type of installation. This type of installation will create
"vembubdr" user with non-root privileges and install the
Vembu BDR in "/home/vembubdr" directory.

2 - Install Vembu BDR in the current user.

Select this installation type if you would like to install Vembu BDR
in the current user directory with current user privileges. You will be asked to specify
the directory in which Vembu BDR should be installed later during the installation.
Note that Vembu BDR will be installed in the current user directory and has to be
manually started everytime the machine is rebooted.

*****

Please enter your option [1 or 2] █
```

- If you have selected “Option 1” installer will create new Vembu BDR user. If you have selected "Option 2" installer will install BDR Server in the current user.
- Once user is created,Then it will ask to create directory for the installation path. Enter “y” to proceed

```

*****
/home/vembubdr directory does not exists. Create it now?
Please type yes(y) or no(n) [y / n] █
    
```

- Installer asks your permission to create repository. Enter “y” to create repository now or Enter “n” to create it later, after installing the backup server. If you want to create now press “y” and click Enter.

```

#####
|                               |
|           Welcome to Repository Creation!!           |
|   Repository will be the storage for your agent's backup data.   |
|   Repository is created by grouping multiple partitions so as to scale |
|   your volumes. Option chosen here will be set as                |
|   the primary volume of Default Repository.                    |
|   |
|   You can configure the repository settings now or later.        |
|   If you choose the option 'n', then You need to configure the   |
|   repository settings once you logged into your                  |
|   Backup Server / Replication Server webconsole.                 |
|   |
|#####
Would you like to create Repository Now ? [y/n]:
    
```

- Once you press enter, installer will show the list of volumes present in your machine. Kindly choose one volume by entering corresponding number. Click number and press Enter to continue (Example : Enter 1)

```

Volumes with free space of 5GB or more
    
```

	Mounted On	Total Space	Available Space
1	/	36G	25G
2	/newhdd	99G	60G

```

df: '/run/user/112/gvfs': Permission denied
Please choose any one of volume █
    
```

- Once you click Enter, the repository created successfully and the installer asks for Vembu BDR Web Console Authentication as shown below. Kindly give username and password through which you can access your Server Web Console. By default we recommend username and password as “admin”. Now press Enter to continue. Once you click Enter, Vembu BDR Web console user will be created successfully.

```
##### Configured Repository Details #####
Repository Name :      Default_Repo
Volume Path      :      /sgstorage/Default_Repo
#####

You have configured the default repository.
##### Default Repository configured successfully #####

*****

Vembu BDR Web Console Authentication

Enter Username and password for Vembu BDR Web Console.
This is required while starting the Vembu BDR Web Console.

Enter Username :  admin

Enter Password :

Re-type Password :

Vembu BDR Web Console user created.
```

- Now installer asks you to change ports from default value. If you want to change click “y” else “n”. By default we recommend to click “n” and continue. Kindly go through the usage of individual ports mentioned below.
 - Backup Server Port is the port through which the installed Vembu VMBackup client will backup the data to the backup server. The default value is 32004.
 - UI Communication Port is the port through which Vembu BDR Apache/PHP modules communicate with Vembu BDR to serve UI requests from the Vembu BDR Web Console. The default value is 32005.
 - HTTPS Port is the port used to access the Vembu BDR Web console in a secured manner through HTTPS protocol. Default value is 6061.
 - Enable HTTPS: HTTPS Port is the secure web console port through which you can access the Vembu BDR web console in secure manner. You should enable “Enable HTTPS” option to edit this value. If you have enabled HTTPS option, then you can access the Vembu BDR web console through https://localhost:6061

```
*****
Backup Server Port is used by Vembu BDR to connect the server. UI Communication Port
is used for communication between Vembu BDR Web console and Vembu BDR Application.
You can configure these ports manually.
By default the value of
  1. Backup Server Port is 32004
  2. UI Communication Port is 32005.
*****

Do you want to change these ports from default value [y/n]
```

- Once the installation is complete you will be asked to start the Vembu server as a Daemon process. If you want to start immediately, enter “y” to proceed as shown below.
 - Or you can start Vembu BDR later using “sh startVembuBDR.sh” and stop using “sh stopVembuBDR” command.
- Note:** These commands should be executed from the Vembu BDR installation location.

```
Vembu BDR has been successfully installed!
*****

Installation Details:
*****

Installation Directory      : /home/vembubdr
Apache Port                : 6060

Default Repository Configuration
Repository Name            : Default_Repo
Storage Path               : /sgstorage/Default_Repo

Script to start Vembu BDR  : /home/vembubdr/Vembu/VembuBDR/startVembuBDR.sh
Script to stop Vembu BDR   : /home/vembubdr/Vembu/VembuBDR/stopVembuBDR.sh
Vembu BDR Web Console URL  : https://vembuadmin-virtual-machine:6061

Vembu BDR installed as daemon process in /etc/init.d/vembubdr
Do you want to start Vembu BDR as daemon process now ? Please type Yes(y) or No(n): [ y / n ]
```