

Vembu BDR Server Installation Guide -Linux

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

- Ubuntu 16.04 LTS (64 Bit)
- Ubuntu 14.04 LTS (64 Bit)
- Ubuntu 12.04 LTS (64 Bit)

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

Copy the download link from the following link: [Click here](#) and download the installer file using wget command and make sure you are a root user (use "sudo su" command to be as an root user). Or you can download the installer to any Windows machine and move the installer to Linux machine by using FTP/WinSCP.

- Once you execute wget command you will have "VembuBDRSetup.sh" in the download location.
- Run installer by using "sh" command. For ex: #sh VembuBDRSetup.sh

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

- 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 (9.6)
- PostGreSQL Connector (9.5.02)
- ODBC Driver (2.3.4)
- Vembu BDR Server (3.x.x)

```
#####
WELCOME TO THE VEMBUBDR SERVER INSTALLATION
#####

This installer will download and install,

1. PostGreSQL RDBMS (9.6)
2. PostGreSQL Connector (9.5.02)
3. ODBC driver (2.3.4)
4. VembuBDR Server (3.7.0)

#####
##

Do you want to proceed [y/n]:
```



- Here you need to specify the location where you want to store PostgreSQL files. 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)2

```
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.

*****
Default storage location for PostgreSQL : '/var/lib/postgresql/9.6/main'
*****
Do you want to change the default storage location for the PostgreSQL [y/n] : y

Please specify the path :
/home/vembubdrserver
```

- 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#####

*****
Test Connectivity between "ODBC-driver" and \PostgreSQL-Server"
*****
#####Installing unixodbc finished#####
*****
#####Installing postgresql database please wait#####
*****
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  postgresql-client-9.6 postgresql-client-common postgresql-common
Suggested packages:
  locales-all postgresql-doc-9.6 libdbd-pg-perl
The following NEW packages will be installed:
  postgresql-9.6 postgresql-client-9.6 postgresql-client-common
  postgresql-common postgresql-contrib-9.6
0 upgraded, 5 newly installed, 0 to remove and 636 not upgraded.
Need to get 0 B/6,125 kB of archives.
After this operation, 27.8 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

- Once done installing PostgreSQL, databases will be created and PostgreSQL will be restarted automatically.

```
* Restarting PostgreSQL 9.6 database server [ OK ]

ALTER ROLE
CREATE DATABASE

* Restarting PostgreSQL 9.6 database server [ OK ]
```

- In the Next step installer will install PostGreSql connector ODBC and will be successfully connected to PostgreSQL server.



```

SUCCESS : ODBC driver is successfully connected to PostgreSQL server

*****
ODBC Driver Configuration Details :
DatasourceName      : PostGreDBConnection
DatabaseName        : SGDatabase
HostName            : localhost
UserID              : postgres
Password            : admin
Debian version 64 bit storegrid is called

```

- User will then be asked to proceed with Vembu BDR backup server installation, Enter "y".

```

#####
VembuBDR 3.7.0 Server installation
#####

=====
| We will now take you through the VembuBDR Server Installation Process. |
| VembuBDR is proprietary sotware of Vembu Technologies Inc and is      |
| licensed under its own terms which you are required to accept for this |
| installation.                                                           |
|                               |
| If you would like to install VembuBDR, Please enter yes to proceed.    |
|                               |
=====
Do you want to proceed [yes/no]: █

```

- Enter "yes" to start downloading Vembu BDR backup server application.
- 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] 1

```

- If you have selected "Option 1" installer will create new Vembu BDR user. Enter Password so that Vembu BDR user will be created as shown below.

```

Please enter your option [1 or 2] 1
*****
Creating vembubdr user ...

Enter Password for the vembubdr user
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully

vembubdr User Created Successfully
*****

```

- Once user is created, the installer shows the License, kindly go through the License Terms carefully. If you agree enter "y" to proceed. Then it will ask to create directory for the installation path. Enter "y" to proceed.

```

Do you agree to the above license terms? [y / n] y

/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!!  |
|      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      /              49G           41G
2      /dev           7.9G          7.9G
3      /run/shm       7.9G          7.9G
df: '/run/user/1000/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 Daemon process. If you have not started Vembu BDR as daemon process you can start Vembu BDR using “sh startVembuBDR.sh” command and “sh stopVembuBDR” to stop



Vembu BDR from the Vembu BDR installation location. Or else if you want to start the Vembu BDR immediately, enter “y” to proceed as shown below.

```
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://vembu-virtual-machine:6061

System start/stop links for /etc/init.d/vembubdr already exist.
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 ]
```

