A Hyper-V virtual appliance is a template that creates virtual machines instantly on Hyper-V virtual environment without manual VM creation or separate installation of operating system or Vembu BDR server.

The downloaded file will be in zip format. Unzipping the file will have the following:

- Virtual appliance template file (VHD)
- User Guide on How to deploy Hyper-V Virtual Appliance
- ReadMe file

**Supported Versions:** Windows Server 2012 R2, Windows 10 and Windows Server 2016

**Steps to Deploy Virtual appliance on Hypervisor:**

**Note:**
- Copy the downloaded virtual appliance zip file in a Windows/Linux GUI based machine to proceed with deployment.
- Provided Virtual Appliance setup have 8 Core CPU and 16GB RAM set by default. It is recommended to have an equivalent configuration or more in the underlying Hyper-V Host.

- Open the Hyper-V Manager console.

- Right click on the corresponding server under Hyper-V Manager.
• Check whether Virtual Appliance folder contains the 3 folders shown in the screen shot below.

• Right click over Hyper-V host → select Import Virtual machine.
• Select the folder containing VHD and XML files.
- Select the VM to import and click next.
Choose import type as appropriate.
· Select location of configuration files for the VM and proceed with Next.
· Make sure to enable 'Store Virtual Machine in different location' checkbox.
• Select storage location of the VHD files and click Next.
- Verify the configurations provided via summary and click finish to create VM.
Once deployment is completed successfully, start the created virtual machine.

After successful deployment, user has to login with the following credentials:
Default User details:
Username: vembu
Password: password
Root password: password (sudo -s)

Open terminal after logging in to the VM and check the status of all services (PostGreSQL and Vembu BDR). If ports are not listening, then try starting VembuBDR service by executing below commands:

Note: Navigate to installation location of VembuBDR (cd /home/vembubdr/Vembu/VembuBDR) to execute the commands.

sh stopVembuBDRSetup.sh
sh startVembuBDRSetup.sh
Then open any web browser (Firefox or Chrome) and enter localhost:6060 to open Vembu BDR web console and login with username password as admin / admin.

**Note:** Once machine IP is defined, user can also access web console via `<machineip>:6060`. If user wants to take console outside VM, networking should be enabled and static IP must be set for VM. Once machine is assigned with static IP, the user can take the console anywhere outside the machine.
Select your required time zone setting for the machine and click yes to proceed.

Give an unique Vembu BDR ID, by default it takes the hostname and machine name as ID. 
**Note:** The following characters are permitted as part of the Vembu BDR Server ID: [ A-Z][a-z][0-9][ - _ .] Your ID must not start or end with special characters and it must be between 1-50 characters in length.
Once Vembu BDR server ID configuration is updated successfully, you will be prompted to configure the repository details to store the backup data, Choose the volume and Click Update.

Congrats!!! You have successfully completed the deployment of Vembu BDR v4.0.0 Server on your Microsoft Hyper-V server. Now you can use this Vembu BDR Server for Backup and Disaster Recovery.

Limitations:
- KVM installation has some permission issues.
- Instant Boot is not supported.
- Virtual Appliance does not have network adapter in default, User needs to manually attach the network adapter/switch.

For further queries, contact our support team at vembu-support@vembu.com