

USER GUIDE

Veritas NetBackup™ CloudFormation Template

VERITAS™

Contents

Objective3

Launching a New Stack3

 Launching Veritas NetBackup™ Server in a New VPC3

 Launching Veritas NetBackup™ Server in an Existing VPC5

Objective

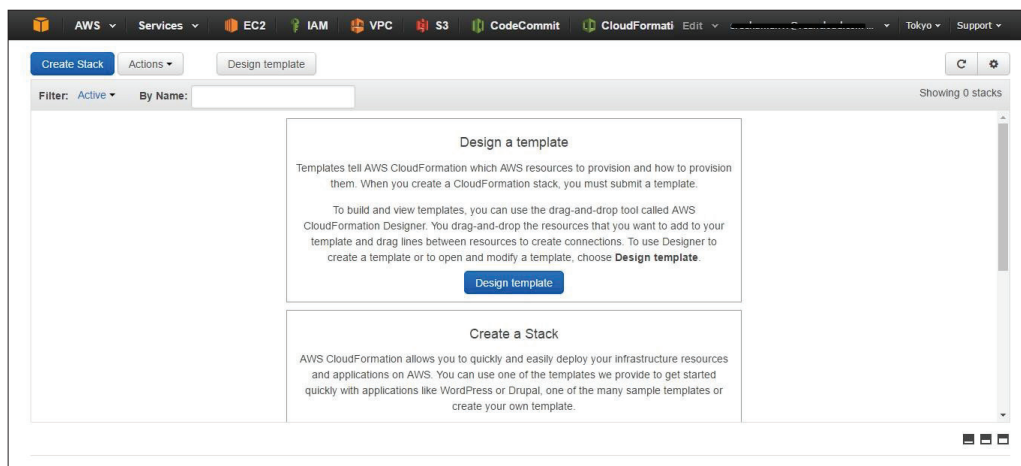
- Launch NetBackup Master server using CFT
- Launch NetBackup Media server using CFT

LAUNCHING A NEW STACK

Veritas NetBackup server can be launched by launching a new stack. While launching new stack, necessary parameters need to be passed. Using those values you provided against each parameter, CloudFormation will launch NetBackup server. This CloudFormation template can be launched in two different configurations.

1. Launch NetBackup server into a new VPC (Master only)
2. Launch NetBackup server into an existing VPC (Master or Media)

To Start with, go to the CloudFormation section from the AWS Console.

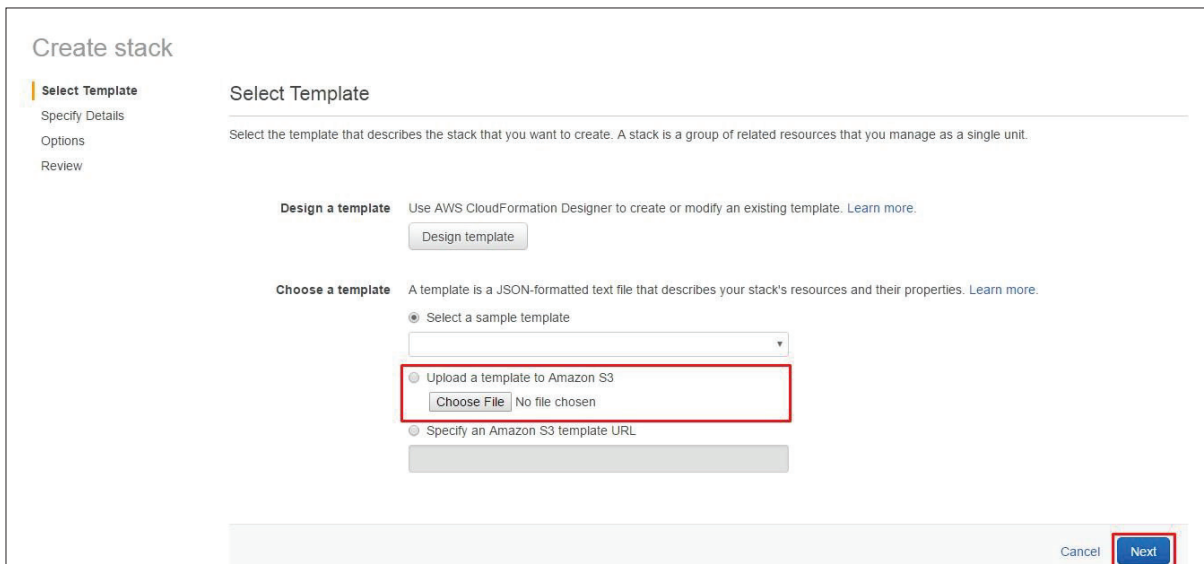


LAUNCHING NETBACKUP SERVER IN NEW VPC

To launch NetBackup server in new VPC, please follow the below steps.

Launch Stack

1. Click Create Stack.
2. Click Choose File and upload the NBU-AMI CFT.



3. Specify a Stack name.

Create stack

Select Template

Specify Details

Options

Review

Specify Details

Specify a stack name and parameter values. You can use or change the default parameter values, which are defined in the AWS CloudFormation template. [Learn more.](#)

Stack name

4. Pass the **Generic Parameters**.

- a. UseExistingVPC - Deploy server into an existing VPC or a New VPC.
 - i. True - To deploy in existing VPC
 - ii. **False - To deploy in new VPC**
- b. InstanceType - Select NetBackup instance type from drop-down list.
- c. KeyName - Name of an existing EC2 KeyPair in the region.
- d. VolumeSize - NetBackup installation volume size (Default: 80GB). NetBackup is installing on D:// drive and this is the size of the drive.

Generic Parameters

UseExistingVPC Deploy server into an existing VPC

InstanceType Select NetBackup instance type from dropdown list

KeyName Name of an existing EC2 KeyPair in the region, to enable SSH access to the instance.

VolumeSize NetBackup installation volume size

5. Pass the **Configuration for New VPC deployment**.

- a. NewVPCCIDR - VPC CIDR block of the NEW VPC, this information will be used to create VPC and security group rules for the new server. Ex: 172.31.0.0/16
- b. PublicSubnetCIDR - Public subnet CIDR for new VPC. Ex: 172.31.0.0/24
- c. PrivateSubnetCIDR - Private subnet CIDR for new VPC. Ex: 172.31.1.0/24
- d. DomainName - Route53 DNS will be configured with this domain name and will be associated with the VPC.
- e. SecureIP - RDP access to BastionHost will be allowed from this IP only. This IP will be whitelisted in security group for RDP access.

Configuration for New VPC deployment

NewVPCCIDR New VPC CIDR Block

PublicSubnetCIDR Public subnet CIDR for new VPC

PrivateSubnetCIDR Private subnet CIDR for new VPC

DomainName Route53 DNS will be configured with this domain name

SecureIP RDP access to BastionHost will be allowed from this IP only

6. Pass the **Application Parameters**.

- a. NetBackupRole - Install NetBackup as Master server. *(New VPC configuration can be used only to deploy Master server.)*
- b. NBUMasterServerName - NetBackup master server name.
- c. LicenseKey - NetBackup License Key.

The screenshot shows the 'Application Parameters' section of a CloudFormation stack creation wizard. It contains four parameter groups:

- NetBackupRole**: A dropdown menu with 'Master' selected. The description is 'Install NetBackup as Master / Media server'.
- NBUMasterServerName**: A text input field containing 'NBUMaster'. The description is 'NetBackup master server name'.
- NBUMediaServerName**: An empty text input field. The description is '(only for media server installation) NetBackup media server name'.
- LicenseKey**: A text input field with a blacked-out license key. The description is 'NetBackup License Key'.

7. Tag your Stack for identification.

The screenshot shows the 'Create stack' wizard in the AWS CloudFormation console, specifically the 'Options' step. The 'Tags' section is active, showing a table for adding key-value pairs:

Key (127 characters maximum)	Value (255 characters maximum)
1	

Below the table is an 'Advanced' section with a description: 'You can set additional options for your stack, like notification options and a stack policy. Learn more.' At the bottom right, there are 'Cancel', 'Previous', and 'Next' buttons.

8. Review your Stack and Launch it.

Connect to NetBackup Server

- 1. Connect to the BastionHost.
- 2. From BastionHost RDP to the NetBackup Server using Hostname.

LAUNCHING NETBACKUP SERVER IN AN EXISTING VPC

To launch NetBackup server in an existing VPC, please follow the below steps.

Note: Make sure the subnet where you are launching the Master/Media server should have internet access through any NAT device.

Launch Stack

- 1. Click Create Stack.
- 2. Click Choose File and upload the NBU-AMI CFT.

Create stack

- Select Template
- Specify Details
- Options
- Review

Select Template

Select the template that describes the stack that you want to create. A stack is a group of related resources that you manage as a single unit.

Design a template Use AWS CloudFormation Designer to create or modify an existing template. [Learn more.](#)

Choose a template A template is a JSON-formatted text file that describes your stack's resources and their properties. [Learn more.](#)

- Select a sample template
- Upload a template to Amazon S3
 No file chosen
- Specify an Amazon S3 template URL

3. Give a Stack name.

Create stack

- Select Template
- Specify Details**
- Options
- Review

Specify Details

Specify a stack name and parameter values. You can use or change the default parameter values, which are defined in the AWS CloudFormation template. [Learn more.](#)

Stack name

4. Pass the **Generic Parameters**.

a. UseExistingVPC - Deploy server into an existing VPC or a New VPC.

i. **True - To deploy in existing VPC**

ii. False - To deploy in new VPC

b. InstanceType - Select NetBackup instance type from drop-down list.

c. KeyName - Name of an existing EC2 KeyPair in the region.

d. VolumeSize - NetBackup installation volume size (Default: 80GB). NetBackup is installing on D:// drive and this is the size of the drive.

Generic Parameters

UseExistingVPC Deploy server into an existing VPC

InstanceType Select NetBackup instance type from dropdown list

KeyName Name of an existing EC2 KeyPair in the region, to enable SSH access to the instance.

VolumeSize NetBackup installation volume size

7. Tag your Stack for identification.

Create stack

Select Template
Specify Details
Options
Review

Options

Tags

You can specify tags (key-value pairs) for resources in your stack. You can add up to 10 unique key-value pairs for each stack. [Learn more.](#)

	Key (127 characters maximum)	Value (255 characters maximum)	
1	<input type="text"/>	<input type="text"/>	<input data-bbox="1425 541 1458 573" type="button" value="+"/>

► **Advanced**

You can set additional options for your stack, like notification options and a stack policy. [Learn more.](#)

Cancel Previous **Next**

8. Review your Stack and Launch it.

Connect to NetBackup Server

1. Connect to your existing VPC environment using VPN or BastionHost.
2. After connecting to the environment, connect to the NetBackup Server using RDP.

ABOUT VERITAS TECHNOLOGIES LLC

Veritas Technologies LLC enables organizations to harness the power of their information, with solutions designed to serve the world's largest and most complex heterogeneous environments. Veritas works with 86 percent of Fortune 500 companies today, improving data availability and revealing insights to drive competitive advantage.

For specific country offices and contact numbers, please visit our website.

Veritas World Headquarters
500 East Middlefield Road
Mountain View, CA 94043
+1 (650) 933 1000
www.veritas.com

© 2016 Veritas Technologies LLC. All rights reserved. Veritas and the Veritas Logo are trademarks or registered trademarks of Veritas Technologies LLC or its affiliates in the U.S. and other countries. Other names may be trademarks of their respective owners.
V0340 11/2016