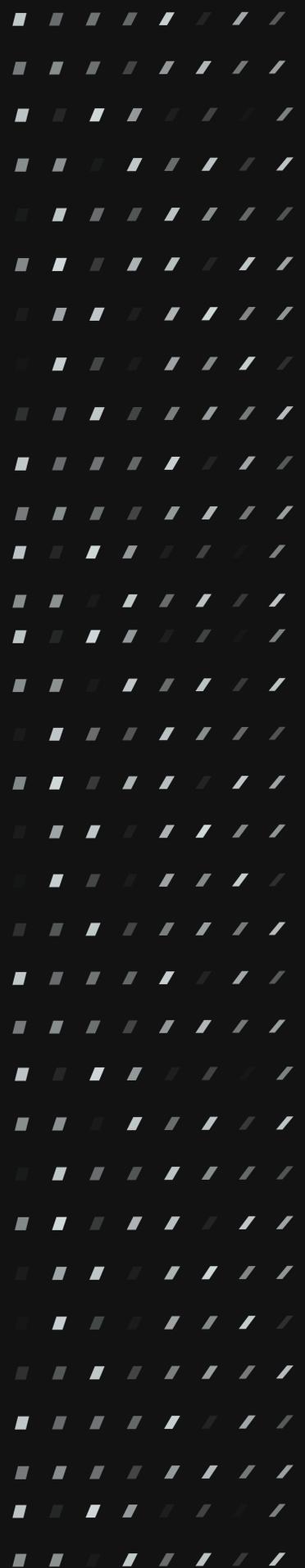


Getting Started With BackBox Evaluation Guide: Deployment in AWS



BackBox is an automation platform used to automate backups, perform restores, and execute tasks across the network. Features include password changes, consistent device upgrades, proactive device condition checks, alerts, and notifications.

BackBox installation is supported on common virtualization products such as VMware, Hyper-V, and Xenserver. It can also be installed on a bare metal server. This document outlines the process for an administrator to deploy the Backbox virtual appliance in the **Amazon Web Services (AWS)** infrastructure.

To successfully install the BackBox platform, you will need to:

1. Understand the Prerequisites and EC2 sizing requirements
2. Deploy BackBox from a public AMI. (Installation of BackBox OS will take less than 20 minutes)
3. Launch new EC2 Instance
4. Configure Network Settings and Storage
5. Run the First Time Wizard
6. Verify the installation
7. Add a Device and Run a Backup

Section 1 | PREREQUISITES

The administrator performing the deployment will need:

- Access to an AWS account.
- Amazon's Elastic Compute Cloud (EC2) will need to be provisioned for the AWS account.
Information on enabling EC2 can be found [HERE](#)
- Permissions to access Amazon's Elastic Compute Cloud (EC2).
Information on generating Identity and Access Management (IAM) groups and assigning roles within AWS can be found at [HERE](#)
- Required Permissions:
 - Generate an Instance within EC2
 - Access public AMIs within EC2
 - Deploy an instance from a public AMI within EC2

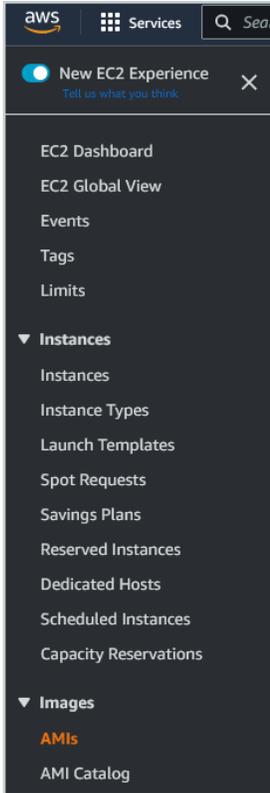
Section 2 | DEPLOY BACKBOX FROM A PUBLIC AMI

1

Open the [EC2 console](#).

Note: Be sure to [select the AWS Region](#) that you want to launch the instance in.

2 From the navigation bar, choose AMIs.



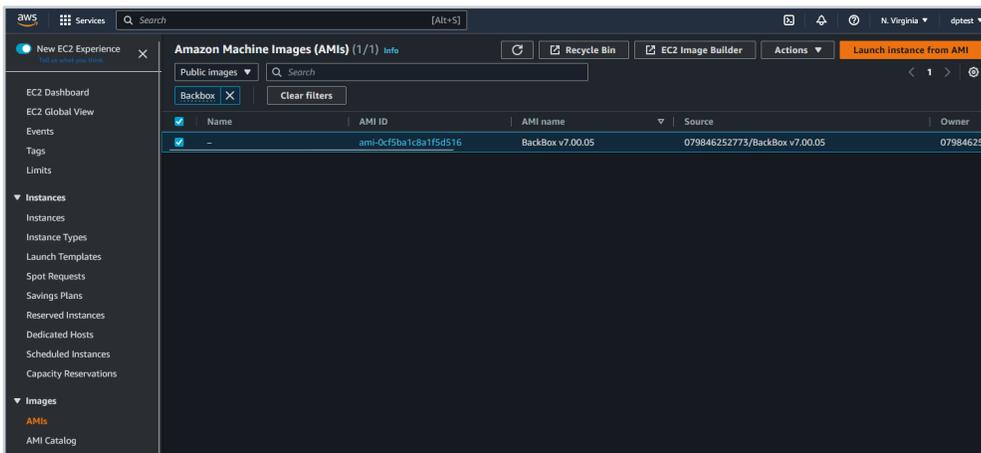
3 Find the AMI that you want to use to launch a new instance. To begin, open the menu next to the search bar, and then select Public images.

Note: The search bar automatically provides filtering options as well as automatically matching AMI IDs.

a. Public AMIs are updated on new releases.

A list of Public AMIs published by BackBox are available in the article:

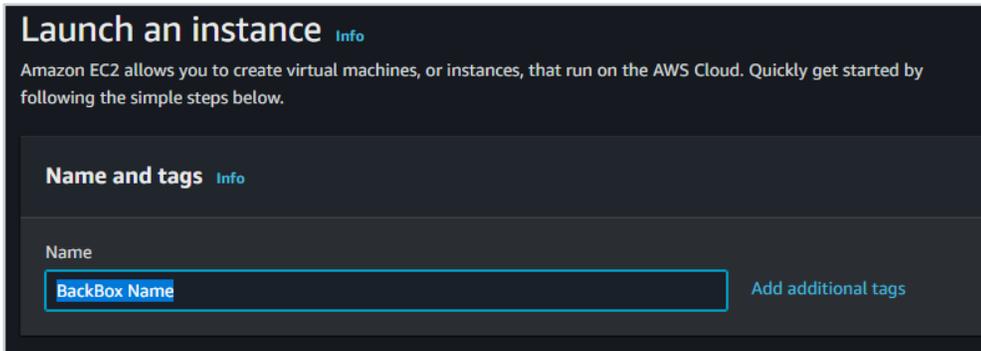
<https://support.backbox.com/s/article/Deploying-BackBox-In-Amazon-Web-Services-AWS-and-Google-Cloud-Platform-GCP>



- 4 Select the AMI, and then choose Launch Instance from AMI.

Section 3 | LAUNCH NEW EC2 INSTANCE

- 1 Add a Name, and any additional tags to the Instance.



- 2 When choosing an instance type, reference the sizing guide available [HERE](#).



- 3 Provide a Key Pair to allow for remote access, if desired.

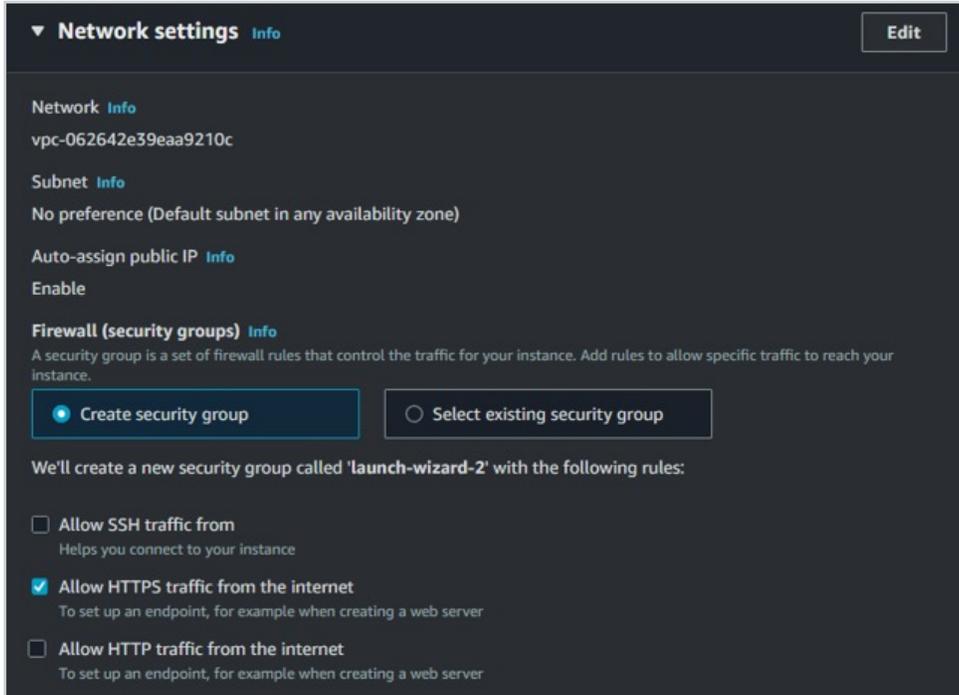
Section 4 | CONFIGURE NETWORK SETTINGS AND STORAGE

- 1 Configure the Network settings and provide the appropriate VPC and subnet to assign to the appliance.

Note: Subnet configuration is critical, as this cannot be modified post-deployment at the time of writing.

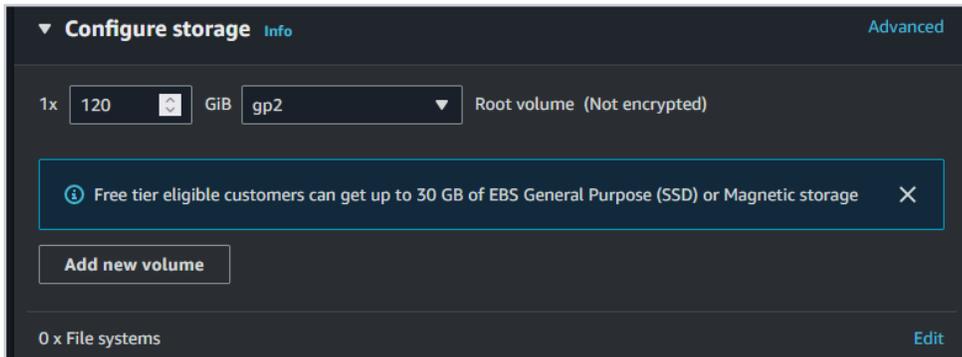
Additional information on port usage and requirements within BackBox for Security Group configuration can be seen [HERE](#).

- a. Ensure that "Allow HTTPS traffic from the internet" is selected.



2 Add Storage to the Instance. You can [use the default root volume type, or select a new type](#) from the Volume Type drop down. The AMI will default to a 120GB drive by default.

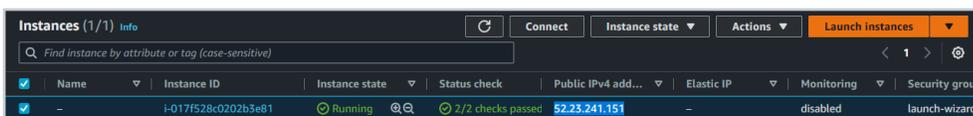
a. Select Add New Volume if you want to add additional storage to your instance.



3 Select Launch when you are ready to launch the instance.

4 Choose View Instances to check the status of your instance.

5 Once the instance status is in the “Running” status, collect the Public IPv4 name, and navigate to https://IPAddress to provision the BackBox instance.



Section 5 | RUN THE FIRST TIME WIZARD

- 1 In your web browser, enter the IP address or host name assigned to the BackBox Server: `https://IPAddress`. The Login screen is displayed:



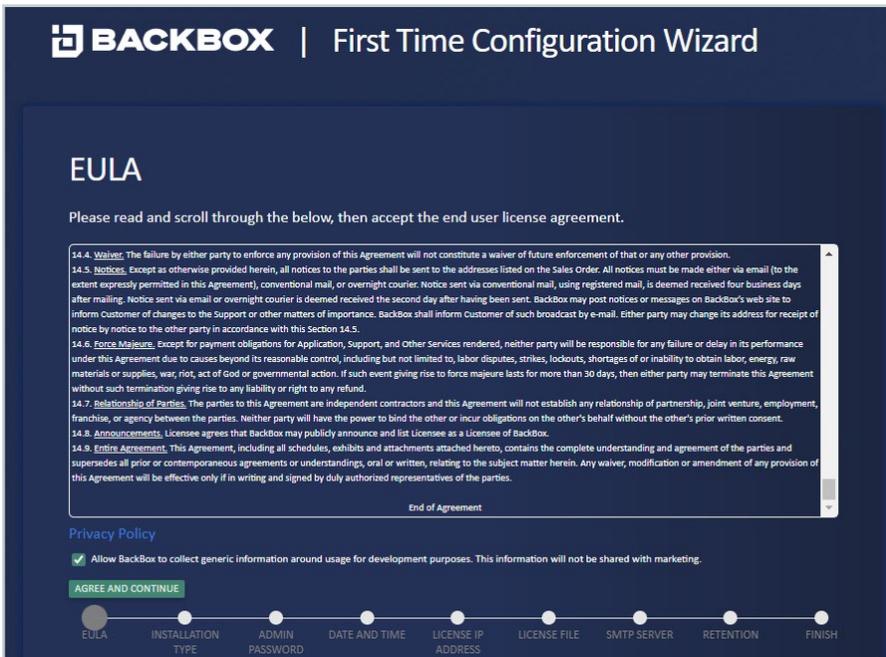
- 2 Enter the default BackBox Username and Password.

- a. Username: **admin**
- b. Password: **password**

Note: You will have the opportunity to change this password in the first-time wizard.

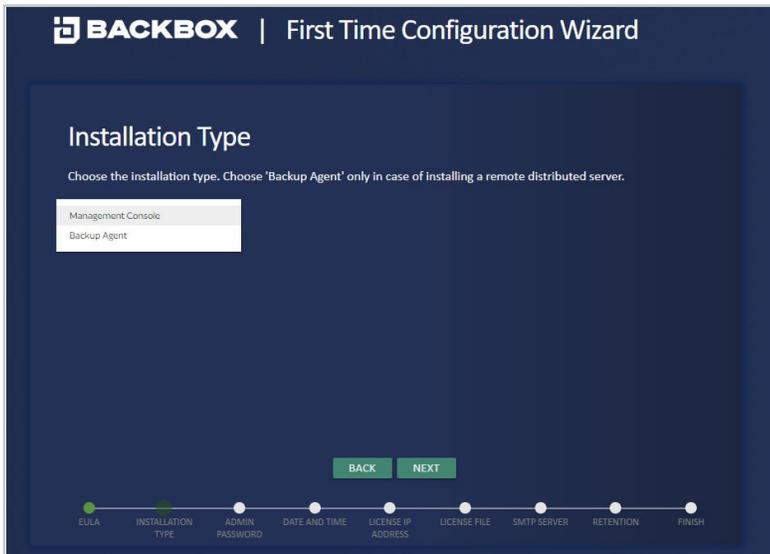
- 3 Once you log in you will see the End User License Agreement.

- a. You can choose to enable telemetry or check the box to opt out.
- b. Please Read, scroll down, and then click on Agree and Continue..



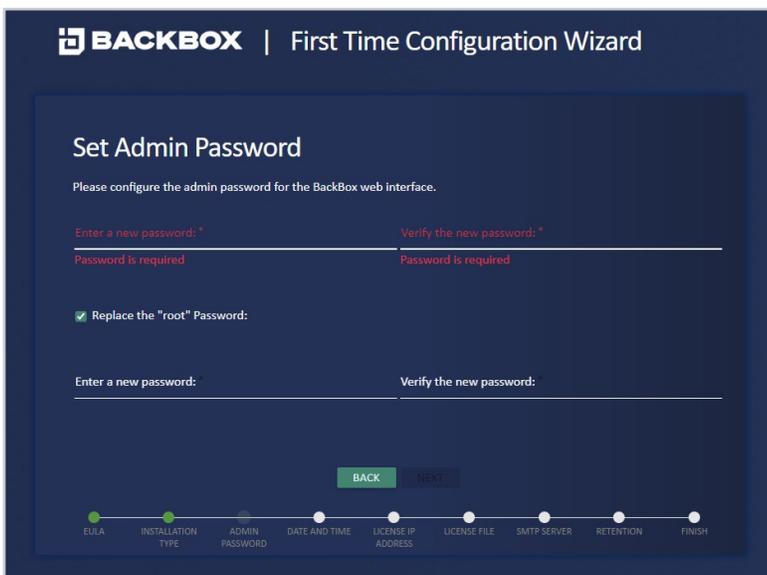
4 You will need to select the Installation Type. This is where you choose between Management (main unit) or Agent (dependent unit). Agent units are only able to accept commands from a Management unit, so be sure you already have a Management unit before choosing Agent.

5 Click **Next**.



6 It is best practice to change the default passwords to comply with your internal password requirements. The default credentials are listed below.

- a. Default BackBox Web GUI Access:
 - User: **admin**
 - Password: **password**
- b. Default Backbox CLI Access:
 - User: **root**
 - Password: **HayaldaB@gan7**



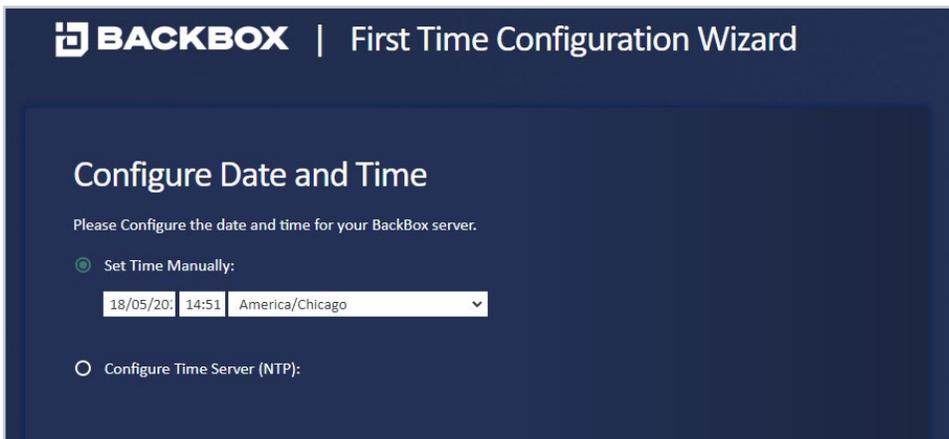
7 Verify the BackBox IP matches the IP address you will use for configuring the license.



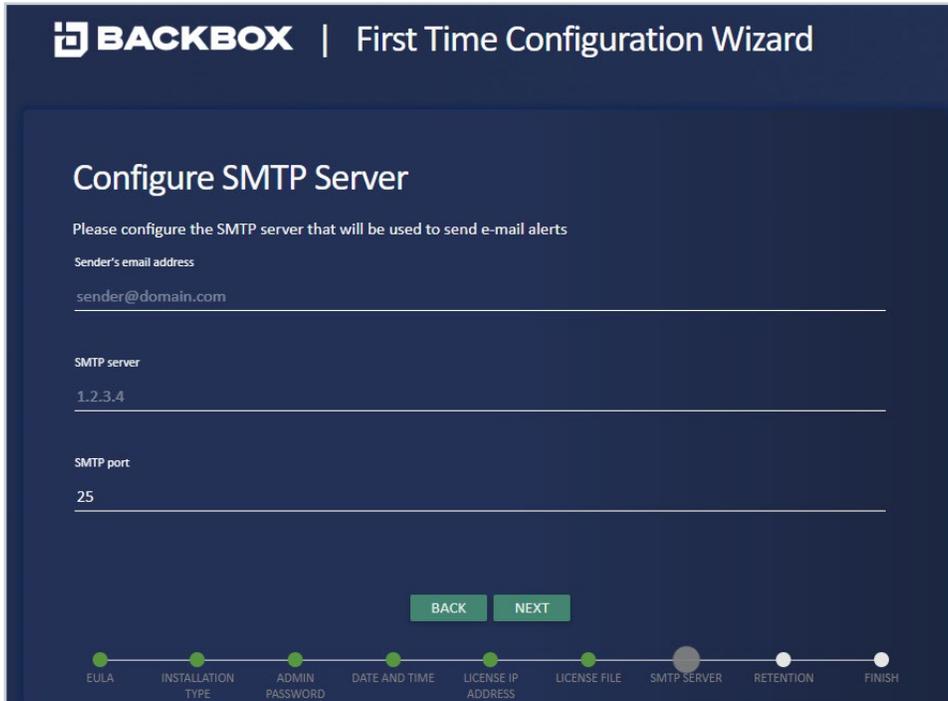
8 Select the Create Demo License. This will create a 14-day Evaluation license.



9 Configuring an NTP server is best practice, but you could opt for manual settings if you do not have NTP.



- 10** Enter your SMTP information using an identifying email address. (e.g., backbox@<companydomain.com>) **Note:** this is optional and can be configured later as needed.



BACKBOX | First Time Configuration Wizard

Configure SMTP Server

Please configure the SMTP server that will be used to send e-mail alerts

Sender's email address
sender@domain.com

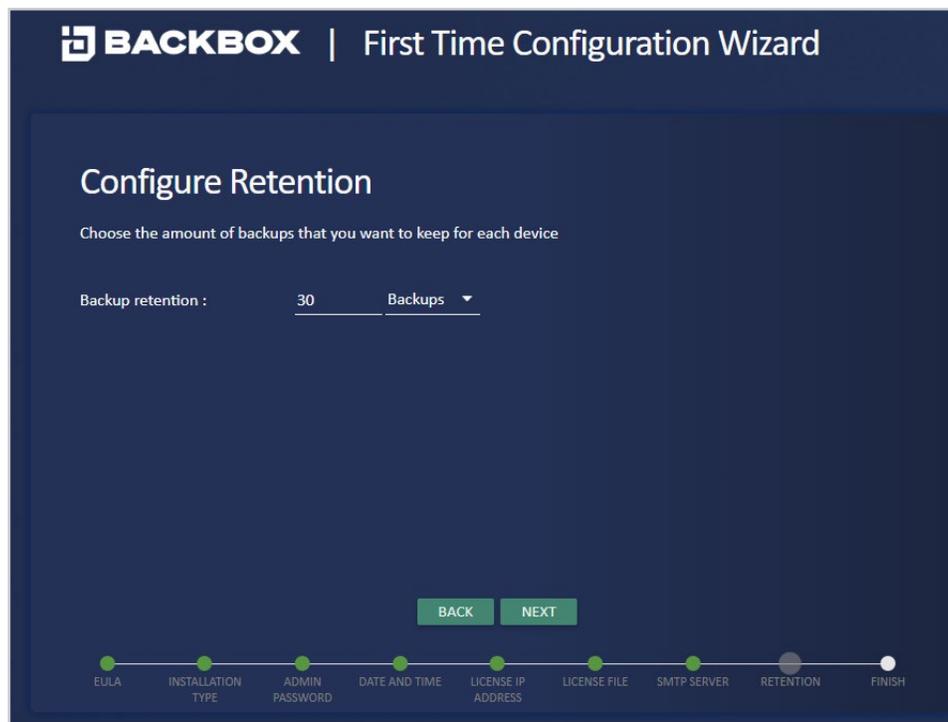
SMTP server
1.2.3.4

SMTP port
25

BACK NEXT

EULA INSTALLATION TYPE ADMIN PASSWORD DATE AND TIME LICENSE IP ADDRESS LICENSE FILE SMTP SERVER RETENTION FINISH

- 11** Configure your global retention or choose a retention policy. The default is 30 backups but can be modified to fit the company policy. This can also be changed once the product is deployed.



BACKBOX | First Time Configuration Wizard

Configure Retention

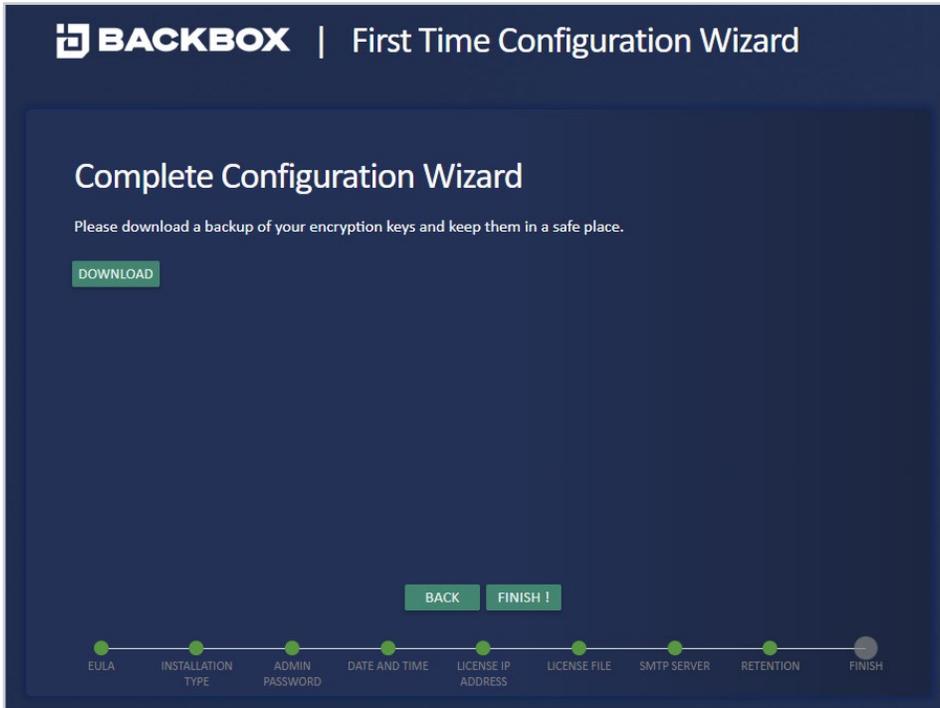
Choose the amount of backups that you want to keep for each device

Backup retention : 30 Backups

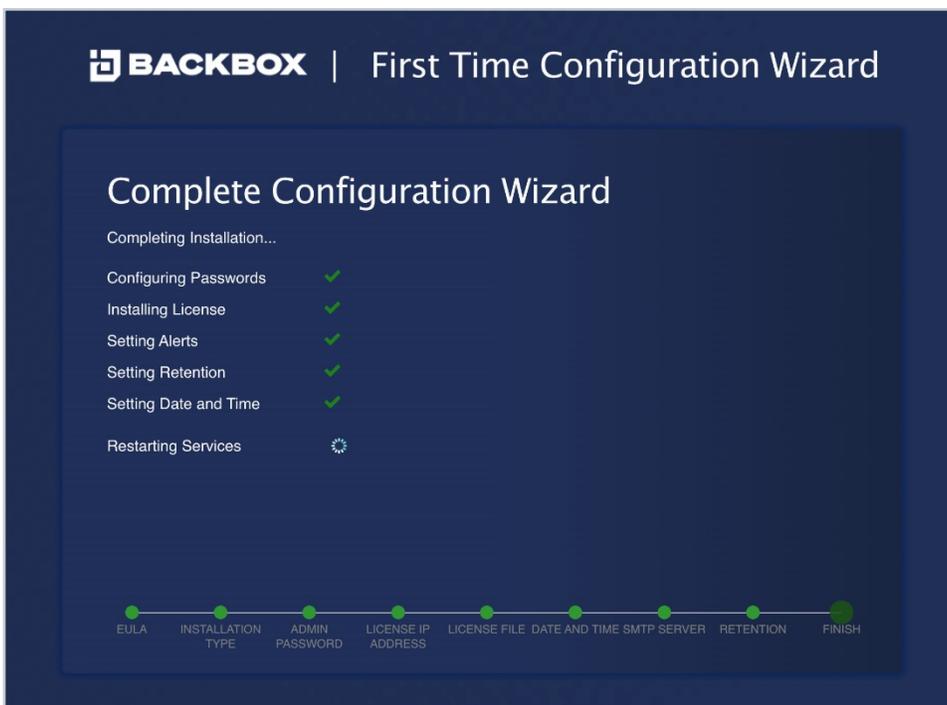
BACK NEXT

EULA INSTALLATION TYPE ADMIN PASSWORD DATE AND TIME LICENSE IP ADDRESS LICENSE FILE SMTP SERVER RETENTION FINISH

12 Click Download to save the BackBox unique encryption key and store it in a safe place.



13 Click the 'Finish!' button to apply your updates.



Section 6 | VERIFY THE INSTALLATION

To ensure the installation was successful:

- 1 Ensure you can login with updated credentials.
- 2 Add a Device and Run a backup on a device to validate functionality.

Section 7 | ADD A DEVICE AND RUN A BACKUP

How to add a New Device in BackBox and run your first backup:

- 1 On the Devices screen, click the Add button. The New Device Configuration dialog box appears. Add the device name, the device IP address (and if you have created them, add the Group, Agent, and/or Site you wish to assign to the device), if not then leave Group and Agent blank and the Site set to Global, then click **Next**.
- 2 Complete the Vendor, Product, Version, and Backup Type fields, and click **Next**.

New Device Configuration/Details

Device Name *
Choose a device name
Name is required

Device IP *
Enter an IP address

Site *
Global

Group
--None--

Agent

NEXT

STEP 1 STEP 2 STEP 3 STEP 4

New Device Configuration/Backup Type

Vendor *

Product *

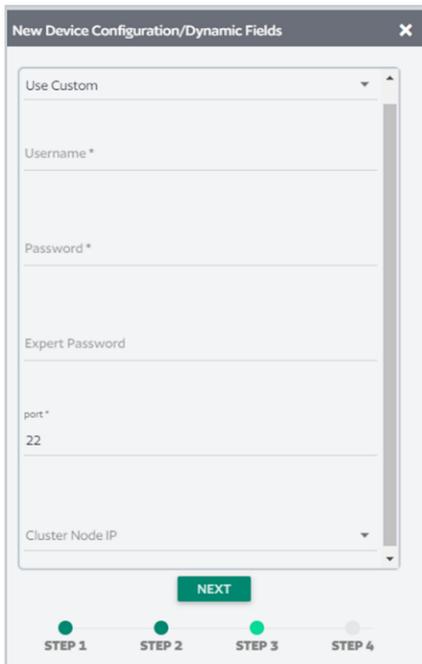
Version *

Backup Type *

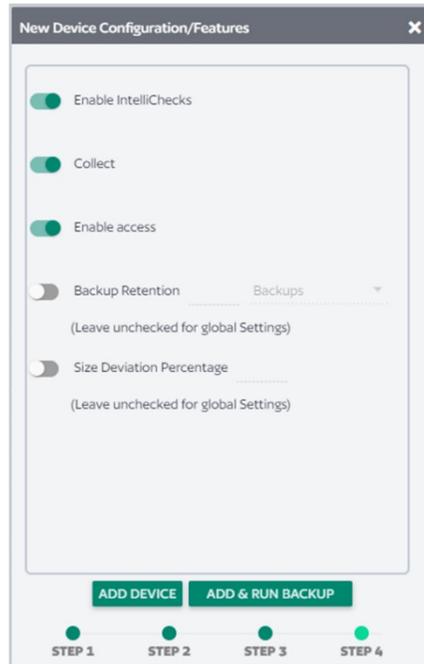
NEXT

STEP 1 STEP 2 STEP 3 STEP 4

- 3** The third dialog box appears. Complete the Authentication (Use Custom=profile specific, Username, Password, (Enable Password if applicable for your device) and Port fields and click **Next**.



- 4** The fourth dialog box appears. Optionally, check Enable IntelliChecks and/or Enable IntelliChecks and/or Enable Access to turn on that functionality for the device.



- 5** If you want to create local retention settings for the device, click the Backup Retention field.

Note: Leave unchecked to apply Global retention settings. If you turn on Backup Retention, two additional fields are displayed: one for the number of days those backups are retained, and one for choosing backups or setting retention policy. Indicate the number of backups to be retained or select Retention Policy and click the Edit button to set a new retention policy. Size deviation – override global settings for size deviation verification.

- 6** Click Add Device, or optionally Save & Run Device, if you want to save the Device Configuration and run a Backup right away.

CONGRATULATIONS! You have your first device connected to BackBox!

Additional BackBox Evaluation Training Guides:

- Creating Schedules, Running a Backup Job and Restore to a Previous Backup
- Create Authentication Templates, Users, Roles, Notifications and Alerting
- Compliance Assurance and Remediation with IntelliChecks
- Tasks and Automation
- BackBox Reports

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For additional information on features and functionality of BackBox
visit the BackBox Help Center: support.backbox.com