

# BackBox Evaluation Getting Started Guide for Google Cloud Platform (GCP)





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 within the <b>Google Cloud Platform (GCP)</b> infrastructure					
To successfully install the BackBox platform, you will need to:					
<ol> <li>Deploy BackBox within Google Cloud Platform</li> <li>Launch the VM Instance</li> </ol>					
3. Run the First Time Wizard					
4. Verify the installation					
5. Add a Device and Run a Backup					
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Section 1   deploy backbox within google cloud platform					/
Prereauisites:				/	
The administrator performing the deployment will need:					
A Google Cloud Account with an active Billing Plan.					
<ul> <li>Permissions to access GCP's Compute Instance.</li> <li>Information in enabling and disabling services within GCP can be found <u>HERE.</u></li> </ul>					/
<ul> <li>Permissions to create Virtual Machines within GCP's Compute Engine.</li> <li>Additional information on creating permissions can be found <u>HERE.</u></li> </ul>					
<ul> <li>Required Permissions:</li> <li>Compute Admin</li> </ul>					/
Creating a Project in GCP.					
<ul> <li>https://cloud.google.com/resource-manager/docs/creating-managing-projects</li> <li>How to access the Console.</li> </ul>					
Select the 'Active Cloud Shell' in the upper right-hand corner of the GCP Console.					
≡ Google Cloud BackBox-Server ▼ Q ⊞ P					
Compute Engine VM instances CREATE INSTANCE					/
Virtual machines  INSTANCES OBSERVABILITY NEW INSTANCE SCHEDULES					



### Deploy the BackBox Image:

The command below can be run within the google cloud console. This command generates an instance with the recommended configuration.

gcloud compute instances create [**NAMEinCONSOLE**] BackBox --project [**PROJECTID**] --zone [**ZONENAME**] --machine-type e2-standard-4 --service-account [**UPDATEME**]compute@developer.gserviceaccount.com --scopes https://www.googleapis. com/auth/devstorage.read\_only,https://www.googleapis.com/auth/logging. write,https://www.googleapis.com/auth/monitoring.write,https://www.googleapis. com/auth/servicecontrol,https://www.googleapis.com/auth/service.management. readonly,https://www.googleapis.com/auth/trace.append --tags https-server --createdisk auto-delete=yes,boot=yes,device-name=backbox,image=[**IMAGEOPTION**],mod e=rw,size=120,type=projects/testproject-367214/zones/[**ZONENAME**]/diskTypes/pdbalanced

**Note:** The commands that indicate and item in brackets ([**EXAMPLE**]) must be updated and must contain the information for the instance that the image will be deployed to.

### Example fully completed script:

gcloud compute instances create **backbox** --project **exampleproject-000000** --zone **us-south1-a** --machine-type e2-standard-4 --service-account **815000006223**-compute@developer.gserviceaccount.com --scopes https://www. googleapis.com/auth/devstorage.read\_only,https://www.googleapis.com/auth/logging. write,https://www.googleapis.com/auth/monitoring.write,https://www.googleapis. com/auth/servicecontrol,https://www.googleapis.com/auth/service.management. readonly,https://www.googleapis.com/auth/trace.append --tags https-server --create-disk auto-delete=yes,boot=yes,device-name=backbox,image=**projects/ backbox7/global/images/backbox70005**,mode=rw,size=120,type=projects/ **exampleproject-000000**/zones/us-south1-a/diskTypes/pd-balanced

Here is a breakdown of the switches within the commands, and their options are below.

**Required Syntax:** 

### ---NAMEinCONSOLE

This is the name that will appear on the UI under Compute engine. (**Note:** Only allows for lowercase alphanumeric inputs.)

### ---PROJECTID

This indicates the ProjectID that the Virtual Machine will be placed in. This can be found by clicking the project ID in the top left:

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Compute Engine	e	VM instances	CREATE INSTANCE
Virtual machines	^	INSTANCES	INSTANCE SCHEDULES
VM instances			

A list of projects will be displayed, along with their project IDs. Example:

Select a project	ð	NEW PROJECT
Q Search projects and folders		
RECENT STARRED ALL		
Name	ID	
✓☆ 🖫 TestProject 🚱	testproject-367214	

### --UPDATEME (service-account)

This is the compute service account ID in the customer's environment, for the zone/ project that they are wanting to leverage. Typically there is a single account per customer, though this can be split based on the customer's requirements.

The information can be found on the primary IAM & Admin page, and will be a 13-character alpha-numeric, followed by "-compute@developer.gserviceaccount.com".

### --IMAGEOPTION

This defines the image to be used for the VM that is being created.

Image Options (Examples):

- BackBox 6.57.09: projects/backbox7/global/images/backbox-65709
- BackBox 7.00.03: projects/backbox7/global/images/backbox7
- BackBox 7.00.05: projects/backbox7/global/images/backbox70005

### --ZONENAME

This indicates the zone that the customer wishes the VM instance, disk, and network to be assigned to.

This page contains a list of all regions/zones, and their IDs for usage in this field: <u>https://cloud.google.com/compute/docs/regions-zones</u>

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#### **Optional Syntax:** --tags https-server This tag is required to enable https communication on the firewall, inbound to the server that has been created. --machine-type This defines the hardware that is going to be presented and used with the image. For hardware options, see: https://cloud.google.com/compute/docs/machine-resource https://cloud.google.com/compute/docs/general-purpose-machines --reservation-affinity Specifies the reservation to attach to, if there are reservations that can be leveraged. If there are multiple reservations that can be used, this value can be set to "any". --network-interface Allows for customization of the network interface if specific configuration is required. For more information, see: https://cloud.google.com/vpc/docs/create-use-multiple-interfaces --maintenance-policy Defines the maintenance policy to attach to (if any). For more information on maintenance policies, see: https://cloud.google.com/compute/docs/instances/setting-vm-host-options Additional syntax is available directly from google HERE. Section 2 | LAUNCH THE VM INSTANCE Navigate to the Compute Engine -> VM Instance screen to find the IP address: Compute Engine CREATE INSTANCE & IMPORT VM C REFRESH HELP ASSISTANT VM instances Virtual machines Filter Enter property name or value 0 ш VM instances Name 1 Zone : Instance templates 0 0 10.208.0.2 (nic0) SSH backbox Sole-tenant nodes □ ° 10.208.0.3 (nic0) SSH : backbox Machine images backboxeval 10.206.0.9 (nic0) 34.174.24.155 (nic0) SSH -: us-south1-S TPUs D 0 0 linuxtest 10.208.0.4 (nic0) SSH -: ER Committed use discounts Ø Migrate to Virtual Machin. Related actions Manage Resources Explore VM logs II. Monitor VMs Explore Backup and DR NEW s metrics like CPU Back up ( and network 12 Marketplace

O Load balance between VMs ☑

Set up Load Balancing for y as your traffic and users gro

Release Notes

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Set up firewall rules

Patch management Schedule patch updates and vi compliance on VM instances

view patch



### Section 3 | RUN THE FIRST TIME WIZARD

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



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.

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..

**BACKBOX** | First Time Configuration Wizard **EULA** Please read and scroll through the below, then accept the end user license agreement. iver. The failure by either party to enforce any provision of this Agreement will not constitute a waiver of future enforcement of that or any other pr ices. Except as otherwise provided herein, all notices to the parties shall be sent to the addresses listed on the Sales Order. All notices must be mad ept as otherwise provided meren, an notices to the parties ermitted in this Agreement), conventional mail, or overnij face sent via email or overnight courier is deemed received of changes to the Support or other matters of importance omer of changes to the Support or other matters of importar otice to the other party in accordance with this Section 14.5. 14.6. Force Majeure. Except for payment obligations for Application, Support, and Other Services rendered, neither party will be resp under this Agreement due to causes beyond its reasonable control, including but not limited to, labor disputes, strikes, lockouts, sho tages of or inability to ob ement due to cause beyond it reasonable control, including but not limited to, labor disputes, strives, lodouts, hortages of or inability to oot beging, war, rid, at call od or governmental action. If state were plying first to bore majerice lasts from ent han 30 days, then either party may immation ging rise to any lability or right to any refend. <u>Joing Fartists</u>. However, the state of the planet reference and the state of the state of the state of the state of the ency between the parties. Neither party will have the power to bind the other or incur obligations on the other's belaif without the other's plo ments. Licensee genes that Backton may publicly amounce and its licensee as a clonese of factors. ent, including all schedu ous agreese 4.9. Entire Agreement, This Agre es all pr lings, oral or written, relating to the subject matter herein. Any waiver, mo his Agreement will be effective only if in writing and signed by duly authorized representatives of the parties End of Agreement w BackBox to collect ge nation around usage for development purposes. This information will not be shared with ma 🗸 Al E AND CONTINUE





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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.



ЗВА	CKBC	<b>) X</b>	First Ti	me Co	nfigura	ation V	Vizard	
Instal	lation 1	Type						
Choose the	installation ty	pe. Choose 'Ba	ackup Agent' on	ly in case of i	nstalling a ren	note distribute	ed server.	
Management Backup Agent	Console							
			P/		α.			
EULA		ADMIN PASSWORD	DATE AND TIME	LICENSE IP ADDRESS	LICENSE FILE	SMTP SERVER	RETENTION	FINISH

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





Verify the BackBox IP matches the IP address you will use for configuring the license. BACKBOX | First Time Configuration Wizard **Configure License IP Address** Choose the IP address to be associated with the license file. 172.31.252.175 O 2001:db8:0:2:2472:ebff:fedc:5b46 O fe80::2472:ebff:fedc:5b46 Select the Create Demo License. This will create a 14-day Evaluation license. BACKBOX | First Time Configuration Wizard Create Demo License O Upload License File Company Name: Demo\_License Expiration: 28/02/2023 Maintenance Backups: Expiration: 28/02/2023 Simple Devices: 10000 Complex Devices: 10000 IntelliChecks Expiration: 28/02/2023 Simple Devices 10000 Complex Devices: 10000 28/02/2023 Expiration: 10000 Devices: Configuring an NTP server is best practice, but you could opt for manual settings if

you do not have NTP.



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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.

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Card								
Cont	igure Si	VITP Se	erver					
Please co	nfigure the SMT	P server that	will be used to	send e-mail a	lerts			
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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.

ВАСКВС	▶   First Time Configuration Wizard	
Configure Re	etention	
Backup retention :	<u>30</u> Backups ▼	
	BACK NEXT	
EULA INSTALLATION TYPE	ADMIN DATE AND TIME LICENSE IP LICENSE FILE SMTP SERVER RETENTION FIN PASSWORD ADDRESS	NISH





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





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

# **BACKBOX** | First Time Configuration Wizard

Completing Installation			
Configuring Passwords			
Installing License			
Setting Alerts			
Setting Retention			
Setting Date and Time			
Restarting Services	٢		





## Section 4 | VERIFY THE INSTALLATION

### To ensure the installation was successful:



Ensure you can login with updated credentials.



Add a Device and Run a backup on a device to validate functionality.

### Section 5 | 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 then leave Group and Agent blank and the Site set to Global, then click **Next**.

Device Name *	
Choose a device name	
Name is required	
Device IP *	
Enter an IP address	
Site *	
Global	*
Group	
None	Ψ.
Agent	*
NEXT	

Vendor *			
Product*			
Version *			
Backup Type *			
	_	_	

Complete the Vendor, Product,

Version, and Backup Type fields,

and click Next.





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.** 

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

Jse Custom	· · · · · · · ·	
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assword *		
xpert Password		
ort *		
12		
luster Node IP	· .	
NEXT		

Enable IntelliChecks
Collect
Enable access
Backup Retention Backups
(Leave unchecked for global Settings)
Size Deviation Percentage
(Leave unchecked for global Settings)

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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.

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

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### **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: <u>support.backbox.com</u>

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