

Lighthouse VPN User Guide:

Q Use our lighthouse VPN to perform necessary testing

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If you have any questions or are uncertain of how this instruction operates, please do not hesitate to contact us and our customer service representatives will give you an answer as soon as possible. hello@cyberbay.tech



Use our lighthouse VPN to perform necessary testing

Step 1: Download and Configure the Cyberbay VPN Profile with OpenVPN Connect and establish a secure VPN connection.

Important Note: Download and activate the Cyberbay VPN Profile before connecting to the Lighthouse VPN. Failure to do so will prevent you from establishing a connection.	CONNECTED OpenVPN Profile cyberbay vpn profile
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1 Find your unique security.txt template from your Cyberbay account. Click "Edit" of your bounty mission and download the template at "Ownership Verification" section.

Profile Setting Payout Details Password Lighthouse (VPN)



2 Open the OpenVPN Connect app on your device. If you don't have it installed, you can download it from your device's app store.



- **3** Once you have the OpenVPN Connect app open, you have two options:
 - Option 1: Drag and drop the downloaded VPN Profile file directly into the OpenVPN Connect app. The app will automatically import the configuration from the file.







е

• Option 2: Within the OpenVPN Connect app, browse your device to select the downloaded VPN Profile file. Confirm the import to add the configuration to the app.



- **4** After the configuration is added, you can customize the settings according to your preferences. This includes changing the profile name and adding any necessary credentials.
- **5** Once you have finalized your configuration settings, click on the **connect** button within the OpenVPN Connect app to establish a secure VPN connection.





6 Congratulations! You have successfully established a secure VPN connection using the Cyberbay VPN Profile.





*If needed, you can further customize the profile name and credentials within the OpenVPN Connect app.

Step 2: Enroll in the mission to activate the VPN URL: (for first-time enrollment)

Go to the mission details page and enroll in the mission to activate the VPN URL. * This step is necessary to gain access to the VPN connection.





Step 3: Review the Target URLs and locate the "Targets" section to view the available URLs for testing.



Step 4: Retrieve the VPN URL from the "My Lighthouse" Page

Navigate to the "My Lighthouse" page and locate the VPN URL linked to your mission. Click on the URL to activate it.

URL STATUS https://lighthouse.cyberbay.tech/vpn/ activate?token=80b9bc27f84dff		My Lighthouse			
URL STATUS https://lighthouse.cyberbay.tech/vpn/ Image: Comparison of the state					
https://lighthouse.cyberbay.tech/vpn/ activate?token=80b9bc27f84dff	URL			STATUS	
	<u>https://lightho activate?toke</u>	ouse.cyberbay.tech/vpn/ n=80b9bc27f84dff	D	REGENERATE	



Step 5: To set up upstream proxy servers in your selected tool (e.g. **Burp Suite Community Edition**)

Connect to the VPN: Using a selected tool of your choice (e.g Burp Suite Community Edition etc.), configure the **provided VPN information** in the VPN link to establish a connection to the VPN server.

 $\leftarrow \rightarrow C$ (\square lighthouse.cyberbay.tech/vpn/activate?token=a11d281ecc53a3dd11f48e811d3a05f5ad7fe26dae4dc5721fe916fd7a60a92c

Congratulations! You're now ready to use our VPN to test websites and hunt for vulnerabilities like a pro. All you need to do is configure your VPN settings

Upstream Proxy Server Config:

- Destination Host: *
- Proxy Host: 10.1.14.98
- Proxy Port: 8080

To make sure your requests get through seamlessly, don't forget to include the following field and value in your proxy request header:

• Field: cyberbay-proxy: a11d281ecc53a3dd11f48e811d3a05f5ad7fe26dae4dc5721fe916fd7a60a92c

Now, you're all set to unleash your security skills and discover vulnerabilities in websites. Happy hunting!"

*Check out this <u>link</u> for a guide to connect the proxy

*Follow the instructions specific to your VPN client for setting up the connection.

How to setup the Upstream Proxy Servers in Burp Suite Community Edition

Step 6: Start using the VPN to perform testing:

Once you have set up the proxy settings in in your selected tool (e.g Burp Suite Community), you should be connected to the VPN. You can now perform the necessary testing or access the resources as required for the bounty mission.



1.4.1.4.1

How to setup the Upstream Proxy Servers in Burp Suite Community Edition v2023.5.1

1 Burp Suite is pre-installed in kali linux or you can download and install it from <u>here</u>.



2 Please wait for the session preparation. The page will auto refresh automatically in **60** seconds.

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	•		iouse - Cyberbay	lighthouse.cyberbay.tech/vph/activ A	+	Ť			^
\leftarrow	\rightarrow	С	O A https://ligh	thouse. cyberbay.tech /vpn/activate?to	ken=62b6d7d66b3418f0555cb8a55b86		⊘ 🤘	ව	≡

Take Your Bug Hunting Skills to the Next Level with Our Lighthouse Technology

Our lighthouse technology is a true game-changer, seamlessly integrating VPN, proxy, and data analytics to create a powerful tool that helps you focus on what really matters - finding vulnerabilities and delivering better results. With our lighthouse technology, you can test websites with confidence, knowing that your privacy and security are fully protected. Plus, with the added benefit of data analytics, you can gain valuable insights into your testing patterns and results, helping you optimize your bug hunting strategy and take your skills to the next level.

The session is preparing, but don't worry - the countdown will auto-refresh this page when it's ready.

Expected remaining time:

0day(s) 0hour(s) 0mintue(s) 47second(s)

Check out this link for a guide to connect the proxy and start experiencing the power of our lighthouse technology today. Happy hunting!

3 Please mark down the resources.



Proxy Host: 10.1.151.56
Proxy Port: 8080

To make sure your requests get through seamlessly, don't forget to include the following field and value in your proxy request header:

• Field: cyberbay-proxy: 62b6d7d66b3418f0555cb8a55b86bcbf2ce6035b6e146c6bf83e69a11d2b5c2c

Now, you're all set to unleash your security skills and discover vulnerabilities in websites. Happy hunting!"

*Check out this link for a guide to connect the proxy

4 Once the resource is ready. Open Burp Suite and select **Temporary project**. Then click **Next**.

Welcome to Burp Suite Community Note: Disk-based projects are only	r Edition. Use the options was a supported on Burp Su	ons below to create or o	pen a project.	Surp Suite Community Edition
O New project on disk	Name:			
	File:			Choose file
Open existing project		Name		File

Cancel	Next
--------	------

5 Please choose **Use Burp Defaults**. Then click **Start Burp**.

• •	Burp Suite Comr	nunity Edition v2023.5.1-20734 (Early Adopter)	
?	Select the configuration that you would like to load for the select the configuration that you would like to load for the select the	or this project.	urp Suite mmunity Edition
	O Use settings saved with project		
	O Load from configuration file	File	
	File:		Choose file
	 Default to the above in future Disable extensions 		
		Cancel Back	Start Burp

6 Click on **Settings** in the navigation bar on the right side.

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Dashboard	larget	Proxy	Intruder	Repeater	Collaborator	Sequencer	Decoder	Comparer	Logger	Organizer	Extensions	s Learn	१०३ Sett
Tasks				New scan	🕀 New live	task 🕕 🤇	ॐ②⊻↗	Time	to level up?	Catch more b	ugs with Bu	rp Suite Pro Find out	more
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1. Live passiv	e crawl fror	n Proxy (a	ll traffic)				□ ⑫ 匝	Trilter High	n Medium	Low Info	Certain	Firm Tentative	Search
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7 Please select **Proxy**. Scroll down to **Match and replace rules** and click **Add**.

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	TOOIS > Proxy							Man	age global settings
All User Project 🚊 👗	? Response n	nodification rul	les						Project settin
	(j) Use these sett	ings to control how	w Burp automa	tically modifies responses.					
Tools	Unhide hid	den form fields							
Proxy	Promin	ently highlight unh	hidden fields						
Intruder	Enable dis	abled form fields							
Repeater	Remove in	put field lenath lim	nits						
Sequencer	Remove Ja	avaScript form vali	idation						
Burp's browser	Remove al	JavaScript							
Project	Remove <	object> taas							
Sessions	Convert HT	TPS links to HTTP	D						
Network	Remove se	ecure flag from coo	okies						
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8 Please specify the details of the Match and Replace as shown in Notes.

ae4dc5721fe916	fd7a60a92c
l to do is configu	re your VPN settings
 Specify th 	Add match/replace rule
Туре:	Request header ~
Match:	Regex condition to match - leave blank to add a new header
Replace:	Literal string to replace - leave blank to remove a matched header
Comment:	
Regex	match
	OK Cancel
	e4dc5721fe916 to do is configu Specify th Type: Match: Replace: Comment: Regex

Note:

Type: Request Header Replace: cyberbay-proxy: {YOUR ACTIVATION TOKEN}

9 Select User at the top of the left sidebar. Under Network options, choose Connections.
 Find or search Upstream proxy servers and click on the Add button.

		Settings			
Search ${\cal O}$	Network > Connections				Manage global settings
All User Project \Xi 👗					
∽ Tools	Prompt for credentials on platform	authentication failure			
Proxy					
Intruder	⑦ Upstream proxy servers			User	setting Project setting
Repeater	So Use these settings to control whether	Burp sends outgoing requests to an upstream pro	xy server, or directly to the destinati	on web server. The first rule th	hat matches each
Burp's browser	destination host is used. To send all tr	affic to a single proxy server, create a rule with * a	as the destination host.		
✓ Project					1
Tasks	Override options for this proje	ct only			
Automatic backup	Add Fraklad P		Durant Authors	Heemene	
~ Network		10 1 132 65		Osemame	
Connections		10.1.56.146	8080		
	Remove *	10.1.14.152	8080	►	
× User interface		10.1.17.184	8080 8080		
	Down	10.11110.00			
inspector and message editor					
Hotkeys	0				
Display	(?) SOCKS proxy			User	setting Project setting
✓ Suite	Use these settings to configure Burp to	b use a SOCKS proxy for all outgoing communicati	ions. This setting is applied at the TO	CP level, and all outbound required here	uests will be sent via this
REST API	proxy. If you have configured fules for	upstream firm ploxy servers, mennequests to up	pstream provies will be sent via the	SOORS proxy configured here.	
Updates	Override options for this proje	ct only			
Performance feedback		-			
Temporary files location	Use SOCKS proxy				
Extensions	SOCKS proxy host:				
	SOCKS proxy port:				
Configuration library					
	Password:				
	Do DNS lookups over SOCKS prox	Ω.			

10 Please specify the details of the Match and Replace as shown in Notes.



① Important Note:

*The information is provided during the account registration. Destination host should always input as " * ".

11 Please be ensure to click the right proxy by clicking the box.

oroxy servers						User setting	Project settin
tings to control wh	nether Burp sends outgoing	requests to an upstream proxy	server, or directly t	to the destina +	tion web serv	er. The first rule that match	nes each
st is used. To serie	d all traffic to a single proxy	server, create a rule with as					
ide options for this	project only						
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Enabled	Destination host	Proxy host	Proxy port	Auth type	Username		
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12 On the left sidebar, click **Proxy**. Please ensure that the correct listener is enabled.

Search	Tools > Proxy							Manage global settings
All User Project $\overline{\Xi}$ $\stackrel{\star}{=}$	Proxy listenBurp Proxy us	ers es listeners t	o receive incoming H	TTP requests from	your browser. You will	need to configure your bro	owser to use one of the listeners as it	Project setting server.
Proxy	Add	Running	Interface	Invisible	Redirect	Certificate	TLS Protocols	Support HTTP/2
Intruder	Edit		127.0.0.1:8080			Per-host	Default	
Repeater	Remove							
Sequencer								-
Burp's browser								
> Project								
Sessions	Each installation	on of Burp ge	nerates its own CA c	ertificate that Prox	y listeners can use whe	en negotiating TLS connect	tions. You can import or export this c	ertificate for use in other tools
> Network	or another inst	allation of Bu	rp.					
> User interface	Import / exp	oort CA certifi	cate Regenerate	CA certificate				



13 Click **Intercept** in the navigation bar. Then click on the **Open Browser**.



Note

It might take a few minutes to open the browser.

14 Proxy the list of "Targets" URLs identified in Step 3. Begin testing once the URLs have been proxied.







FAQs

- 1 How to ensure you are using the Cyberbay VPN Profile with OpenVPN Connect every time you start a new mission?
 - After downloading the VPN Profile and establishing a secure VPN connection following the previous instructions, make sure to keep the OpenVPN Connect app open on your device.
 - Whenever you start a new mission, before accessing any relevant platforms or websites, ensure that the OpenVPN Connect app is **running** in the background.
 - If the OpenVPN Connect app is closed or the VPN connection is disconnected, open the app again and tap on the "Connect" button to re-establish the secure VPN connection using the Cyberbay VPN Profile.
 - It's important to verify that the VPN connection is active before proceeding with any activities related to the mission. You can usually check the status of the VPN connection within the OpenVPN Connect app, which

typically shows a connected status.



- Keep in mind that for each new mission, it's crucial to activate the Cyberbay VPN Profile before connecting to the Lighthouse VPN. Failure to do so will prevent you from establishing a connection.
- **2** How to manage URL link on "My Lighthouse page"?

Handling Expired VPN URL

If your VPN URL is marked as expired, it indicates that the validity period for the URL has ended. To address this, follow these steps:

1 Click on a "Regenerate" button, to generate a fresh URL.

This step ensures that you have an updated and valid URL to access the desired resources. It's especially helpful when you have reached the maximum limit of active URLs.

Expired	REGENERATE



2 A fresh and valid VPN URL has been generated for you.

You can configure the provided VPN information within the VPN link to establish a connection to the VPN server.



Managing Active Lighthouse Sessions: Handling Maximum Connections

We allow a maximum of three active Lighthouse sessions at a time. If you have already connected to

three sessions and want to activate another VPN token, you have two options:

OPTION 1

Wait for the natural idle timeout of one of the existing sessions: Once a session becomes idle or disconnected, you can activate a new VPN token.

OPTION 2

Manually shut down one of the existing sessions: If you need to activate a new VPN token immediately, manually disconnect one of the active sessions from your "My Lighthouse Page." This will free up a slot for a new session. To address this, follow these steps:

1 Click the "Terminate" button to disconnect or terminate a specific URL link.

This step is useful when you no longer need to access or interact with the URL link, especially when you have reached the maximum limit of active URLs.

The presence of the green light indicator does not necessarily mean that you are already connected to the VPN server. It serves as a status indication that the VPN is active and ready for use.

After terminating the previous VPN session, a fresh and valid VPN URL is generated. 2

You can configure the provided VPN information within the VPN link to establish a connection to the VPN server.

- How to reconnect to our VPN URL If you have already enrolled in the mission? 3
 - **1** Go to the "**My Lighthouse**" page:

(©Cyberbay	Bou	Inty Mission 🐱	Bug
All Mission	My Lighthouse		

- Locate the mission: 2
 - Look for the specific mission you have enrolled in. The missions you have joined should be listed on the "**My Lighthouse**" page.

BOUNTY TITLE	URL		STATUS
Your enrolled bounty mission's name	https://lighthouse.cyberbay.tech/vpn/ activate?token=80b9bc27f84dff	D	REGENERATE

3 Find the associated URL:

 Once you have identified the mission, you should find the associated URL for that mission. The URL will likely be displayed alongside the mission details.

URL STATUS	
URL STATUS	
https://lighthouse.cyberbay.tech/vpn/ activate?token=80b9bc27f84dff	

4 Regenerate the URL (if required):

• If there is an option to regenerate the URL, click on the "Regenerate" button or link to obtain a new URL. This step may be necessary if the previous URL has expired

	My Lighthouse			
URL		9	STATUS	
Expired			REGENERATE	