- AWS Configuration
- Connecting to the machine
 - Windows Terminal
 - PuTTY
 - VNC From Windows
 - Kali

AWS Configuration

If you do not already have an AWS account, you can create one by heading over to:

https://aws.amazon.com/account/sign-up

Open EC2 in Region: London (eu-west-2) https://eu-west-2.console.aws.amazon.com/ec2/home?region=euwest-2

| Launch instance | |
|---|---------------------|
| Launch instance To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud. | |
| Launch instance Migrate a server | |
| Note: Your instances will launch in the Europe (London) Region | |
| Name your instance | |
| Name and tags Info | |
| Name | |
| CRT Candidate | Add additional tags |

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below



Select community amis

Community AMIs (1)

Published by anyone

Make sure the details match the details below

| Owner: 126620636130 | | | | |
|--|-----------------------------|-----------------------|---------------------|-----|
| Publish date: 2023-11-07 | | | | |
| d press select | | | | |
| CREST CRT Candidate Image 2023-11-07 1.0 ami-0df524314fc95a431 [Copied ami-0df78717fc53a8907e from eu-west-2] CREST CRT Candidate Image 2023-11-07 1.0 Owner: 126200581 | 50 Publish date: 2023-11-07 | Root device type: ebs | Virtualization: hvm | Sel |
| | | | | |
| e instance type t2.micro if you are free tier eligib | le to host the mach | ine for free | | |
| instance type t2.micro if you are free tier eligib Instance type Info | le to host the mach | ine for free | | |
| instance type t2.micro if you are free tier eligib Instance type Info | le to host the mach | ine for free | | |
| Instance type t2.micro if you are free tier eligib Instance type Info | le to host the mach | ine for free | | |
| Instance type t2.micro if you are free tier eligib Instance type Info Instance type L2.micro Emilio t2 - 1 uCPIL - 1 GIB Memory - Current execution: type | le to host the mach | ine for free | | |
| Instance type t2.micro if you are free tier eligib Instance type Info Instance type t2.micro Family: t2 1 vCPU 1 GiB Memory Current generation: true On-Demand Windows base pricing: 0.0178 USD per Hour | le to host the mach | ine for free | enerations | |
| Instance type t2.micro if you are free tier eligib Instance type Info Instance type t2.micro Family: t2 1 vCPU 1 GiB Memory Current generation: true On-Demand Windows base pricing: 0.0178 USD per Hour On-Demand RHEL base pricing: 0.0132 USD per Hour On-Demand RHEL base pricing: 0.0132 USD per Hour | le to host the mach | Ine for free | enerations | |

Create your keypair and give it a meanigful name

| ▼ Key pair (login) Info | |
|--|--------------------------------------|
| You can use a key pair to securely connect to your instance. Ensure that you before you launch the instance. | have access to the selected key pair |
| Key pair name - required | |
| CREST CRT 1 | ▼ C <u>Create new key pair</u> |
| | |

Create the ssh rule to allow ssh traffic from your $\ensuremath{\mathsf{IP}}$

| Create security group | Select exist | ting security gr | roup | |
|---|-----------------------|------------------|----------|--|
| We'll create a new security group called | launch-wizard-1' wit | h the following | g rules: | |
| Allow SSH traffic from Helps you connect to your instance | Anywhere 0.0.0.0/0 | | | |
| Allow HTTPS traffic from the interne To set up an endpoint, for example when c | Anywhere 0.0.0.0/0 | ~ | | |
| Allow HTTP traffic from the internet | Custom | | | |
| To set up an endpoint, for example when d | MailD | | | |

Configure the storage (Storage has to be at least 50gb)

| ▼ Configure storage Info | Advanced |
|---|----------|
| 1x 50 GiB gp2 Root volume (Not encrypted) | |
| Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage | × |
| Add new volume | |
| 0 x File systems | Edit |



Connect via VNC

PuTTY

Open the PuTTY gui

| 🕵 PuTTY Configuration | | × | | | | | |
|--|--|--------------------------------------|--|--|--|--|--|
| Category: | | | | | | | |
| | Basic options for your PuTTY session | Basic options for your PuTTY session | | | | | |
| Logging Terminal Keyboard | Specify the destination you want to connect to Host Name (or IP address) Port | | | | | | |
| Bell Features | Connection type: | | | | | | |
| | ● SSH ○ Serial ○ Other: Telnet | \sim | | | | | |
| Appearance Behaviour Translation Selection Colours Connection Data Proxy SSH Serial Telnet Rlogin | Load, save or delete a stored session Saved Sessions Default Settings Load Save Delete | | | | | | |
| SUPDUP | Close window on exit: Always Never Only on clean exit | | | | | | |
| About | Open Cancel | | | | | | |

In the Category side tab, go to:

| ls | |
|----|--|
|----|--|

Fill in these details: Source Port: 5901

| 🕵 PuTTY Configuration | on | | | × |
|-----------------------|----|-----------------|--------------------|------------------|
| Category: | | | | |
| Appearance | ^ | Options | controlling SSH p | ort forwarding |
| Behaviour | | Port forwarding | | |
| | | Local ports a | accept connections | from other hosts |
| Colours | | Remote port | s do the same (SSI | H-2 only) |
| | | Forwarded ports | E | Remove |
| Data | | | | |
| SSH | | | | |
| Kex | | Add new forwar | ded port: | |
| - Host keys | | Source part | 5001 | |
| Cipher | | Source port | 5501 | Add |
| TTY | | Destination | 127.0.0.1:5901 | |
| ×11 | | Local | Remote | O Dynamic |
| Tunnels | | Auto | ○ IPv4 | O IPv6 |
| Bugs More bugs | | | | |
| Serial | | | | |
| ···· Telnet | | | | |
| Rlogin | | | | |
| SUPDUP | ~ | | | |
| About | | | Open | Cancel |

This step is **optional**

If you want to save this configuration, head back to the Session category, type in a name in Saved Sessions

| 🕵 PuTTY Configurati | on | × |
|---|----|---|
| Category: | | |
| - Session | ^ | Basic options for your PuTTY session |
| E- Terminal | | Specify the destination you want to connect to Host Name (or IP address) |
| ···· Keyboard ···· Bell | | <pre>vour-server-ip></pre> |
| Features | | Connection type: |
| Window | | ● SSH ○ Serial ○ Other: Telnet ∨ |
| Behaviour Translation ⊡ Selection Colours Connection Data | | Load, save or delete a stored session Saved Sessions CRT Kali Default Settings Load |
| Proxy | | Save |
| SSH | | Delete |
| Host keys Cipher | | |
| ⊕ Auth … TTY | | Close window on exit: Always Never Only on clean exit |
| | ۷ | |
| About | | Open Cancel |

Press Open username: kali password: kali



Once you have logged in succesfully, the terminal should look like this:

| 🥵 kali@kali: ~ | — | | \times |
|--|-------------|--------|----------|
| <pre> login as: kali 4's password: Linux kali 5.10.0-kali3-amd64 #1 SMP Debian 5.10.13-1kali1 (2021- </pre> | 02-08) | x86_64 | ^ |
| The programs included with the Kali GNU/Linux system are free sof the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright. | tware; e | | |
| Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law. Last login: Thu Nov 9 14:18:58 2023 from r-(Message from Kali developers) | | | |
| <pre>We have kept /usr/bin/python pointing to Python 2 for backwards compatibility. Learn how to change this and avoid this message: = https://www.kali.org/docs/general-use/python3-transition/</pre> | | | |
| L-(Run: "touch ~/.hushlogin" to hide this message) [(kali⊕ kali)-[~] [] | | | |
| | | | |

Connect via VNC

VNC From Windows

Open VNC Software (TightVNC) and connect using Remote Host: 127.0.0.1:5901

| 🗱 New TightVN | IC Connection | | _ | | \times |
|---|--|--|--------------------|------------------------|----------|
| Connection | | | | | |
| Remote Host: | 127.0.0.1:5901 | · | | Connect | |
| Enter a name append it afte | or an IP address. To sp r two colons (for examp | ecify a port number ble, mypc::5902). | | Options | |
| Reverse Conne Listening mode their desktops | ections e allows people to attac s. Viewer will wait for inc | h your viewer to coming connections. | Li | stening mod | de |
| TightVNC View | er TightVNC is cross-pla | tform remote contro | ol softv | are. | |
| tight | Its source code is av (GNU GPL license) or | commercially (with r | , either no GPL | freely restrictions |). |
| | Version info | Licensing | | Configure | |

password: kali1234

Once you have connected succesfully it will look like this:



Kali

Open the terminal (CTRL+ALT+T) and type in

ssh -L 5901:127.0.0.1:5901 -C -N -l kali <your-server-ip>



password: kali

Once you have successfully connected, it **won't** give a connection succeeded message

| | | | | | kali@ka | li:~ | | | | | | - 0 | × |
|----------------------|------------------------------------|---------------------------|----------------------------|--------------------------------|---------|-----------------|--------------------|-------------------|---------------|------------|-----------------|-----------|---|
| File | Actions | Edit | View | Help | | | | | | | | | |
| □_\$ The a | kali⊛kal ssh -L 59 authentio | i)-[~ 001:12 ity o |] 7.0.0. f host | 1:5901 -0 '3 | | kali | 3 | 4)' c | an't | be (| establ | lishe | d |
| ECDS/ Are Warn | A key fir you sure ing: Perm | igerpr you w nanent | int is ant to ly add | SHA256:W continue ed '3. | conne | ecting 4' (E | (yes/no CDSA) t | o/[fing to the | erpri list | .nt] of |)? yes known | s host | s |
| kalia | a3. | 4 | 's pas | sword: | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Open Remmina (built in RDP/VNC software)

Select VNC as the connection type



Connect to: 127.0.0.1:5901 password: kali1234

Once you have succesfully connected it will look like this:

