

CREST CRT Candidate Machine AMI Setup Guide

⚠ Please only use this guide if you have booked your CRT for **AFTER** 3rd June 2024 at 00:01 (UTC+1)
⚠

⚠ If your exam is booked for **BEFORE** this date, please use this guide [here](#) ⚠

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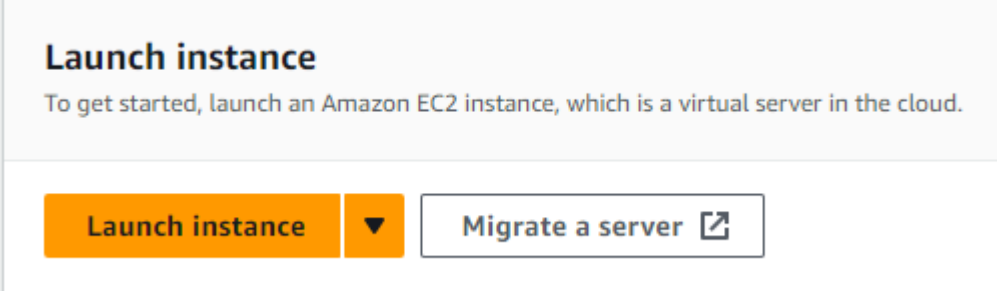
Set up the machine in AWS

If you do not already have an AWS account, you can create one here:
<https://aws.amazon.com/account/sign-up>

The AMI is available in the following regions:

- Europe (London) | [eu-west-2](#)
- Asia Pacific (Singapore) | [ap-southeast-1](#)
- Asia Pacific (Sydney) | [ap-southeast-2](#)
- US East (N. Virginia) | [us-east-1](#)

1. Launch instance



The screenshot shows the 'Launch instance' button in orange, a dropdown arrow, and a 'Migrate a server' button with an external link icon. The text above the buttons reads: 'Launch instance' and 'To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.'

2. Name your instance



The screenshot shows the 'Name and tags' section with an 'Info' link. Below the title is a 'Name' label and a text input field containing 'CRT Candidate'. To the right of the input field is a link that says 'Add additional tags'.

3. Search for **CREST CRT** Application and OS Images (Amazon Machine Image) search box

▼ **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

Q CREST CRT X

Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Li

aws Mac ubuntu Microsoft Red Hat SUS

Browse more AMIs
Including AMIs from AWS, Marketplace and the Community

4. Select **Community** AMIs

Community AMIs (2)
Published by anyone

5. Make sure the details match the following:

- 1. Name: **CREST CRT Candidate Image 2024-05-22 1.0**
- Owner: **126620636130**

2. Select the AMI

aws **CREST CRT Candidate Image 2024-05-22 1.0** ami-0aed37ebf72530f65 **Select**

CREST CRT Candidate Image 2024-05-22 1.0
OwnerAlias: - Platform: Other Linux Architecture: x86_64 Owner: 126620636130 Publish date: 2024-05-22 Root device type: ebs Virtualization: hvm ENA enabled: Yes

6. Select desired instance type

ⓘ If you want to host the machine for free, select type **t2.micro**. This is only available to Free tier eligible customers (more information about this can be found [here](#)) ⓘ

▼ **Instance type** [Info](#) | [Get advice](#)

Instance type

t2.micro Free tier eligible

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: 0.0732 USD per Hour

On-Demand SUSE base pricing: 0.0132 USD per Hour

On-Demand Linux base pricing: 0.0132 USD per Hour

All generations

[Compare instance types](#)

[Additional costs apply for AMIs with pre-installed software](#)

7. Create or select your key pair

▼ **Key pair (login)** [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

kali-candidate-public ▼

[Create new key pair](#)

8. Configure the network

- If you want to allow SSH into the machine, select it and set the desired connection IP. (RDP will be set up in a later step)

Firewall (security groups) | [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

We'll create a new security group called **'launch-wizard-2'** with the following rules:

- Allow SSH traffic from**
Helps you connect to your instance My IP
[REDACTED]/32 ▼
- Allow HTTPS traffic from the internet**
To set up an endpoint, for example when creating a web server
- Allow HTTP traffic from the internet**
To set up an endpoint, for example when creating a web server

9. Configure storage

- Leave this setting as the default

ⓘ Please note this storage will incur a cost. Changing this setting may result in the Kali machine not working. More information on storage costs can be found [here](#) ⓘ

▼ **Configure storage** [Info](#) Advanced

1x GiB ▼ Root volume (Not encrypted)

ⓘ Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage ✕

⌚ Click refresh to view backup information ↻
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

10. Launch the instance

- Once the above steps are complete, you can launch the instance

[Review commands](#)

Accessing the machine

Login Credentials

- Username: `kali`
- Password: `kali`

There are two ways to access the machine. You can use either SSH or RDP. We recommend RDP for the best experience.

You will need the public IPv4 address to access the machine. This can be found in the instance summary:

Instance summary for i-0cc0f4ff32056c8e7 (CRT Candidate) [Info](#)
Updated 1 minute ago

<p>Instance ID 📄 i-0cc0f4ff32056c8e7 (CRT Candidate)</p> <p>IPv6 address -</p>	<div style="border: 2px solid red; padding: 5px; margin-bottom: 10px;"><p>Public IPv4 address 📄 [REDACTED].53 open address 📄</p></div> <p>Instance state ✅ Running</p>
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Connecting via SSH

To connect via ssh use the following command:

```
ssh -i <PATH-TO-YOUR-KEY-PAIR> kali@<MACHINE-PUBLIC-IP>
```

Connecting via RDP

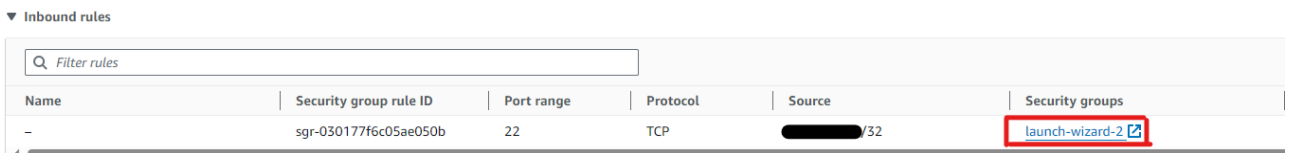
Allowing RDP connections

To connect via RDP, you have to allow incoming RDP connections. You can do this as follows:

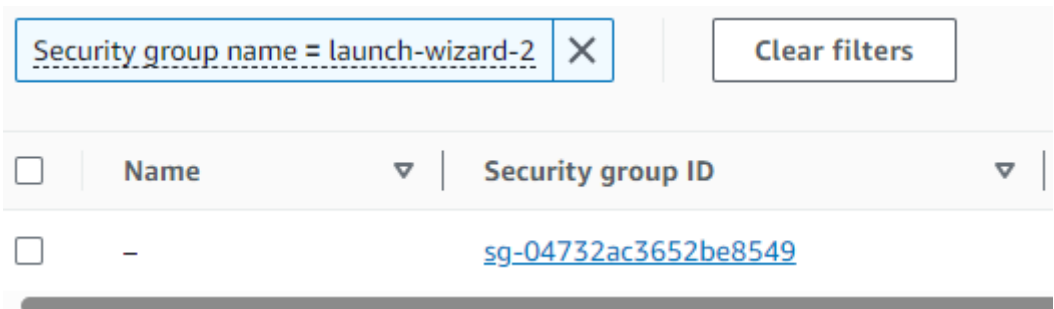
1. Select the **Security** tab from your instance summary



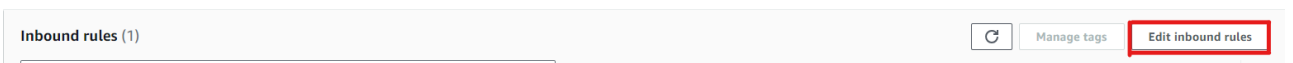
2. Inside **Inbound rules** select the launch wizard for your security group



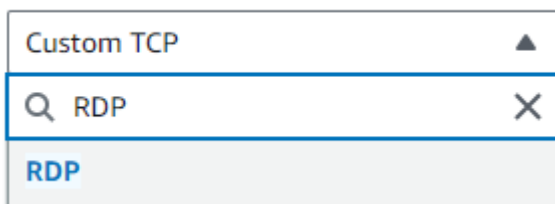
3. Select the **Security group ID**



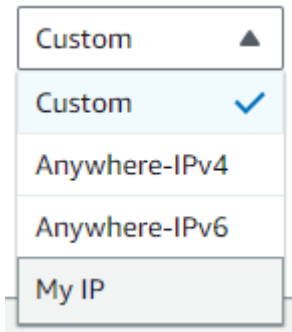
4. Edit inbound rules



5. Add new RDP rule



6. Set desired Source



Connect to the machine

1. Using your desired RDP client, type in the public IP of the AWS machine and connect.
2. Leave the session as **Xorg**
3. sign in using the credentials provided above

