

Running Load Test in an Amazon Cloud

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Using a Manual Cloud Machine Configuration

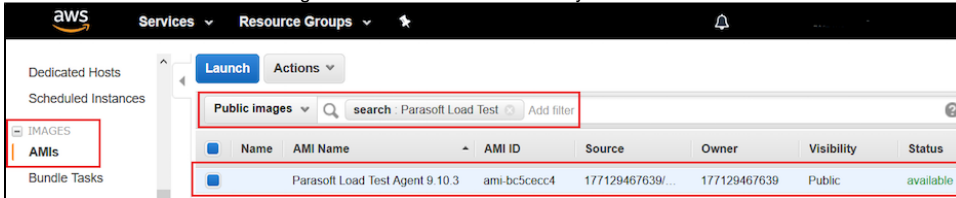
This section describes how to launch a Load Test remote machine in the Amazon cloud and use it in a load test.

Requirements

- The AWS machine must satisfy Load Test minimal hardware requirements. See [System Requirements](#).
- You must have an existing security group or create a new security group (described in the following section) with port 8189 open.

Launching a Load Test Agent in AWS

1. Log into the AWS console and choose **IMAGES> AMIs**.
2. Choose **Public Images** from search drop-down menu and search for the "Parasoft Load Test" agent. This agent is a public AMI available in all regions.
3. Choose the Parasoft Load Test Agent AMI version that matches your version of Load Test and click **Launch**.



4. Choose an instance type that matches the expected load.

About Instance Types

Some instances, such as T2 instances, can be only launched into a Virtual Private Cloud (VPC), while other instances, such as M3 instances, can be launched into the EC2-Classical network. If you choose a VPC type instance, you need to make sure that your instance will receive an IPv4 address. For example, a VPC type instance launched in a default subnet receives a public IPv4 address, while other VPC configurations may not receive a IPv4 address automatically. Each EC2-Classical type instance automatically receives an IPv4 address. For more information see Amazon EC2 and Amazon Virtual Private Cloud [<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-vpc.html#differences-ec2-classic-vpc>] section of the AWS documentation.

5. Configure the instance. No changes are required for EC2-Classical type instances. For VPC type make sure your instance will receive a public IPv4 address.
6. Set the storage to 20 GiB.
7. (Optional) Add tags. We recommend at least adding a name tag, e.g., `Key=Name, Value=Parasoft Load Test Agent 9.10.3`.
8. Create a new security group if you are launching a Load Test Agent AMI for the first time. You can call it Parasoft Load Test Agent for clarity. A security group must have the following rule to allow Load Test Controller to Agent communication:

Type	Custom TCP Rule
Protocol	TCP
Port Range	8189
Source	0.0.0.0/0 to allow communication from all IPs. You can also limit to the IP rule of your choice.
Description	Load Test Agent Port

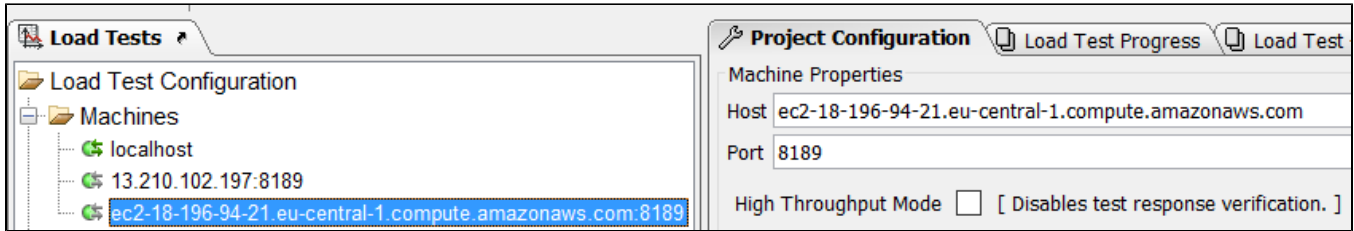
- Add an SSH port to the group if you are planning to SSH to the instance you are launching.
9. Choose **Proceed without a key pair**. If you are planning to SSH to the instance choose an existing key pair or create a new one.

Configuring Load Test Machines

Complete the following steps after launching an AWS instance:

1. Create a new Load Test remote machine in the Load Test Configuration tree and copy its DNS name or IPv4 address into the Host field of the machine configuration panel.

2. Right-click on the machine node and choose **Verify** to check if the machine is ready. It may take a minute or two for the Load Test Agent to start after an AWS instance has been launched.



The screenshot shows the 'Load Tests' application interface. On the left, a tree view under 'Load Test Configuration' shows a 'Machines' folder containing three entries: 'localhost', '13.210.102.197:8189', and 'ec2-18-196-94-21.eu-central-1.compute.amazonaws.com:8189'. The last entry is selected. On the right, the 'Project Configuration' panel is visible, showing 'Machine Properties' with 'Host' set to 'ec2-18-196-94-21.eu-central-1.compute.amazonaws.com' and 'Port' set to '8189'. Below this, there is a checkbox for 'High Throughput Mode' which is currently unchecked, with a tooltip that reads '[Disables test response verification.]'.

At this point you can treat the machine in the Cloud as a regular remote machine. For more information on operations on remote machines see [Running Load Tests on Remote Machines](#).



Terminate the Instance When Finished

When manually launching a Load Test remote machine in the Amazon cloud, you must terminate the instances when you are finished load testing. Otherwise, you will be billed by Amazon for the running instance.