

Creating AWS EC2 agents

AWS agents can be created automatically inside StresStimulus. All you need is an active AWS account to get started.

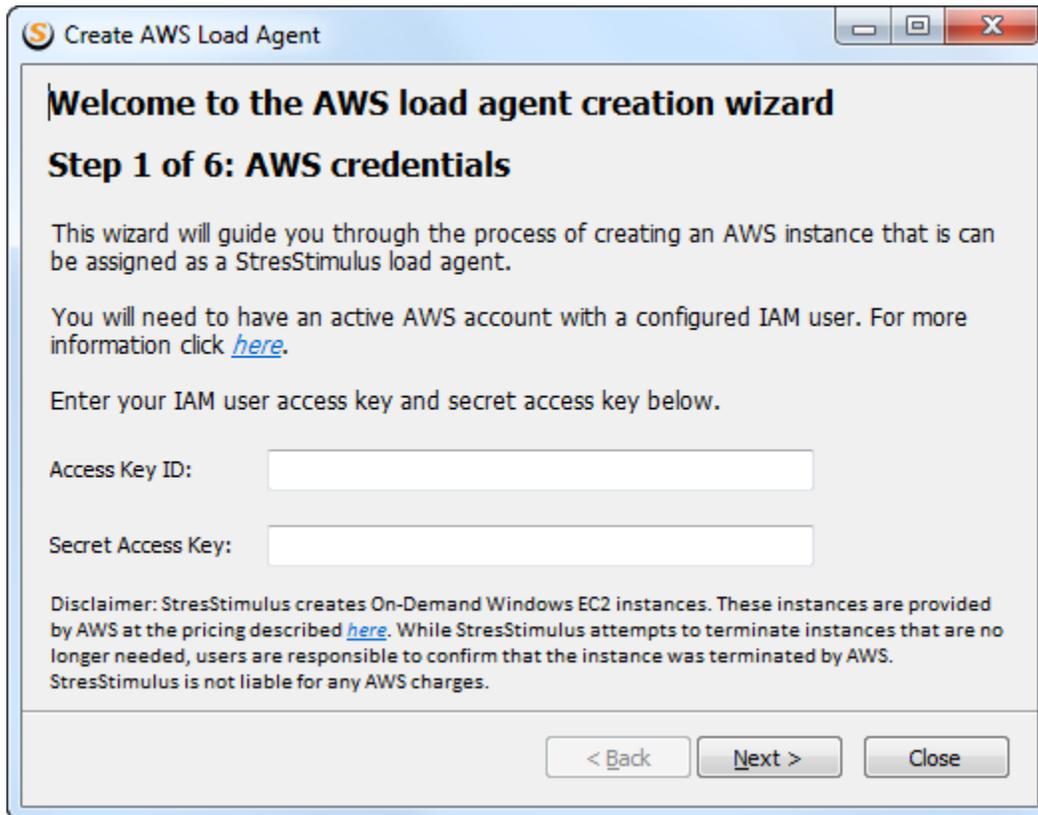
AWS Agent Wizard

To create a new AWS instance in the main menu go to **Tools -> Cloud Load Agent Manager...** You can also navigate through **Load Agents -> Create Cloud Load Agent**. The AWS Manager dialog will appear. Click the **Create AWS Instance** button to bring up the AWS Load Agent Wizard.

Note: StresStimulus creates On-Demand Windows AWS instances. These instances are provided by AWS at a pricing structure that is described [here](#). While StresStimulus attempts to terminate instances that are no longer needed, users are responsible for confirming the instance was terminated by AWS. StresStimulus is not liable for any AWS charges.

AWS Credentials

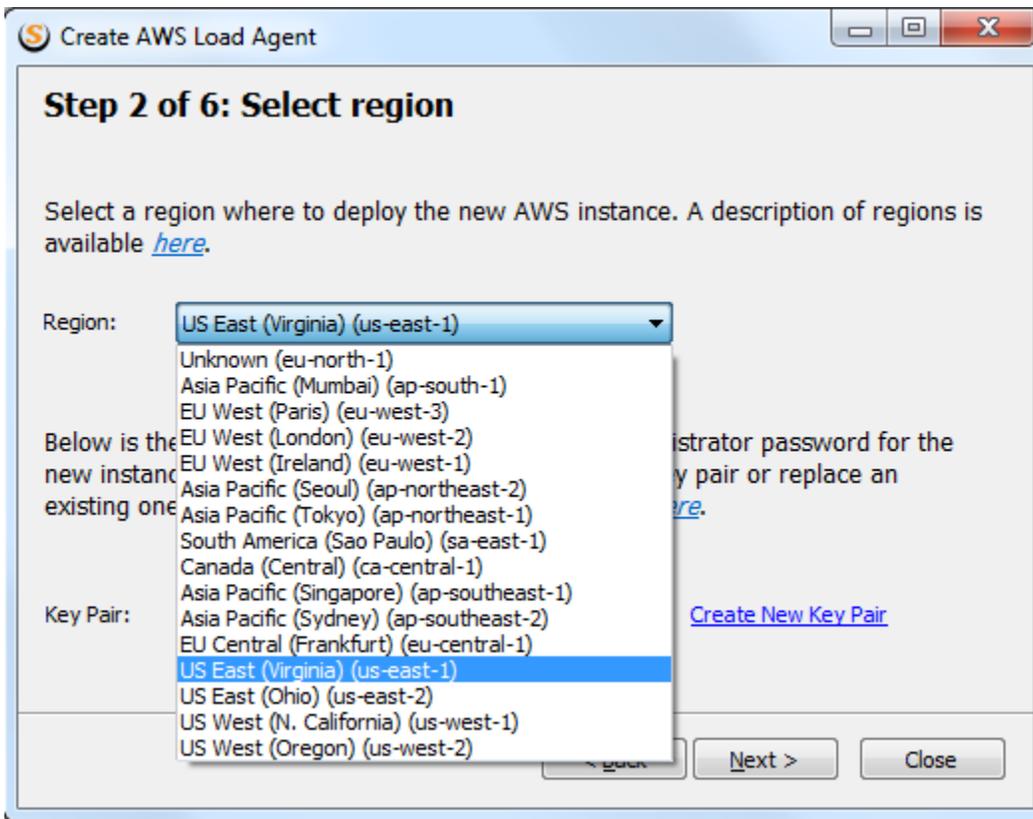
To create AWS Agents, you will need to have an active AWS account with a configured IAM user. Then enter your Access Key ID and Secret Access Key in the text boxes and click Next. For more on finding your access key id and secret access, key click [here](#).



The screenshot shows a window titled "Create AWS Load Agent" with a standard Windows title bar. The main content area has a heading "Welcome to the AWS load agent creation wizard" and "Step 1 of 6: AWS credentials". Below this, there is explanatory text: "This wizard will guide you through the process of creating an AWS instance that is can be assigned as a StresStimulus load agent." and "You will need to have an active AWS account with a configured IAM user. For more information click [here](#)." This is followed by the instruction "Enter your IAM user access key and secret access key below." There are two text input fields: "Access Key ID:" and "Secret Access Key:". At the bottom, there is a disclaimer: "Disclaimer: StresStimulus creates On-Demand Windows EC2 instances. These instances are provided by AWS at the pricing described [here](#). While StresStimulus attempts to terminate instances that are no longer needed, users are responsible to confirm that the instance was terminated by AWS. StresStimulus is not liable for any AWS charges." At the very bottom of the window, there are three buttons: "< Back", "Next >", and "Close".

Region Selection

Next, select the region in which to create your instance. A list of available regions is located [here](#). If this is the first time that region is selected, you will need to create a key pair that will be used to decrypt the Administrator passwords for all instances in this region. Click the **Create New Key Pair** button to create a new key pair.



Instance Type

Next, select the type of instance you wish to create. The instance type determines the performance of the instance which includes the number of CPUs, memory size, and network capacity. For a list of available instance types click [here](#).

Create AWS Load Agent

Step 3 of 6: Select instance type

Choose the type for the new instance. Instance types are determined by their CPU count, Memory size, and Network performance.

For more information on the instance type specs, click [here](#).

Description	Type	Memory	CPU	Network
C1 High-CPU Me...	c1.medium	1.7 GiB	2 vCPUs	Moderate
C1 High-CPU Ext...	c1.xlarge	7.0 GiB	8 vCPUs	High
C3 High-CPU Do...	c3.2xlarge	15.0 GiB	8 vCPUs	High
C3 High-CPU Qu...	c3.4xlarge	30.0 GiB	16 vCPUs	High
C3 High-CPU Eig...	c3.8xlarge	60.0 GiB	32 vCPUs	10 Gigabit
C3 High-CPU Large	c3.large	3.75 GiB	2 vCPUs	Moderate
C3 High-CPU Ext...	c3.xlarge	7.5 GiB	4 vCPUs	Moderate

< Back Next > Close

Agent Name

If you wish to create an agent from this instance for your current test, add an agent name in this step. Otherwise, skip it.

Create AWS Load Agent

Step 4 of 6: Assign this instance as a load agent (optional)

If you wish to assign this instance as a load agent in the current test now, enter the agent name below.

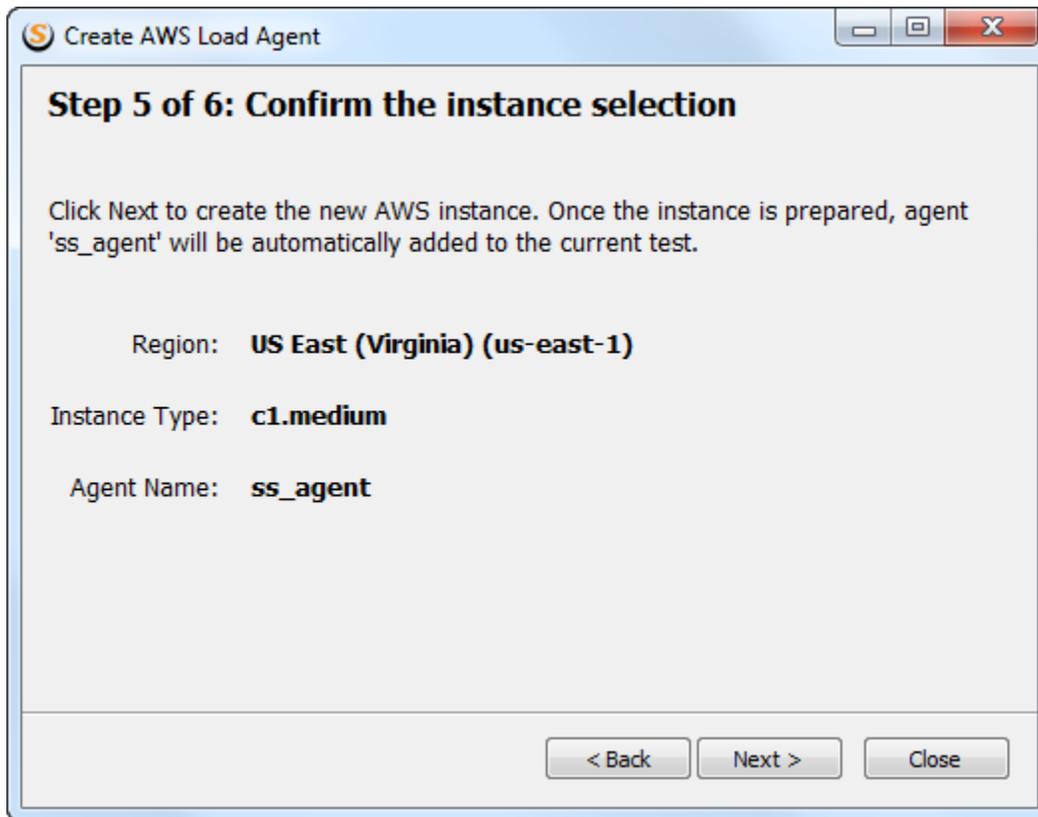
Otherwise, keep the agent name blank.

Agent Name:

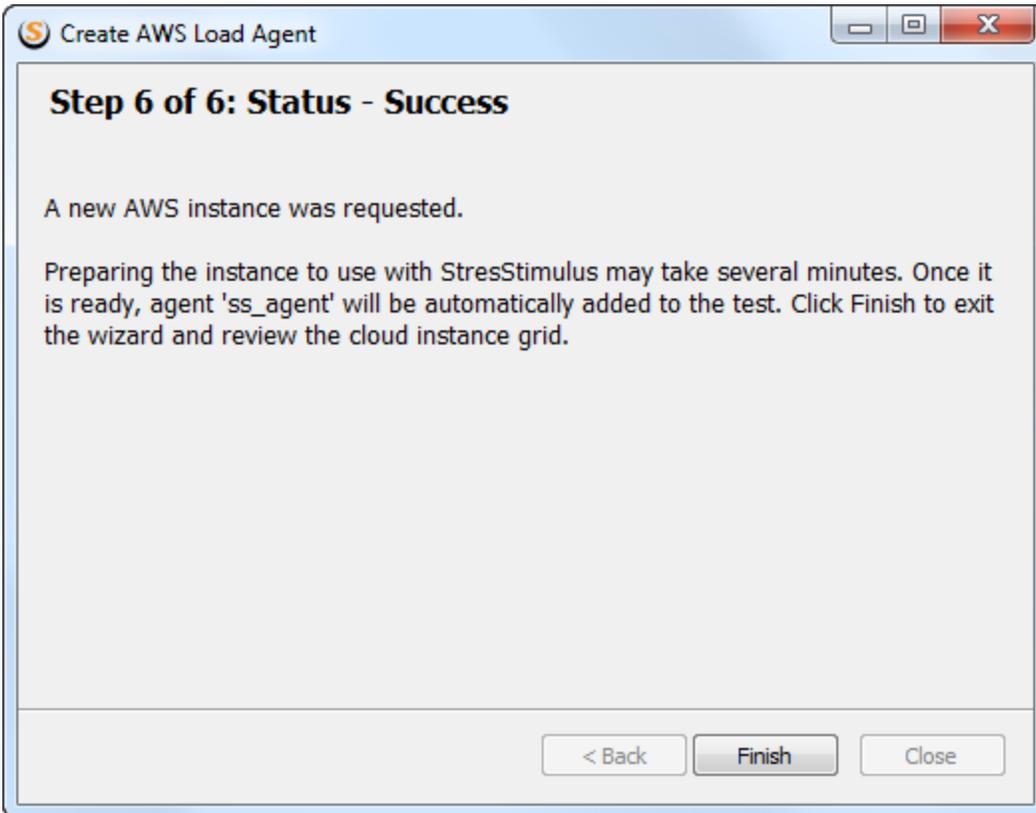
Note: Utilization charges for this instance are incurred by your cloud provider even if the instance is not assigned as a load agent. You will have an option to assign it later. The instance must be assigned to every test separately.

< Back Next > Close

Click Next to get to the confirmation screen.

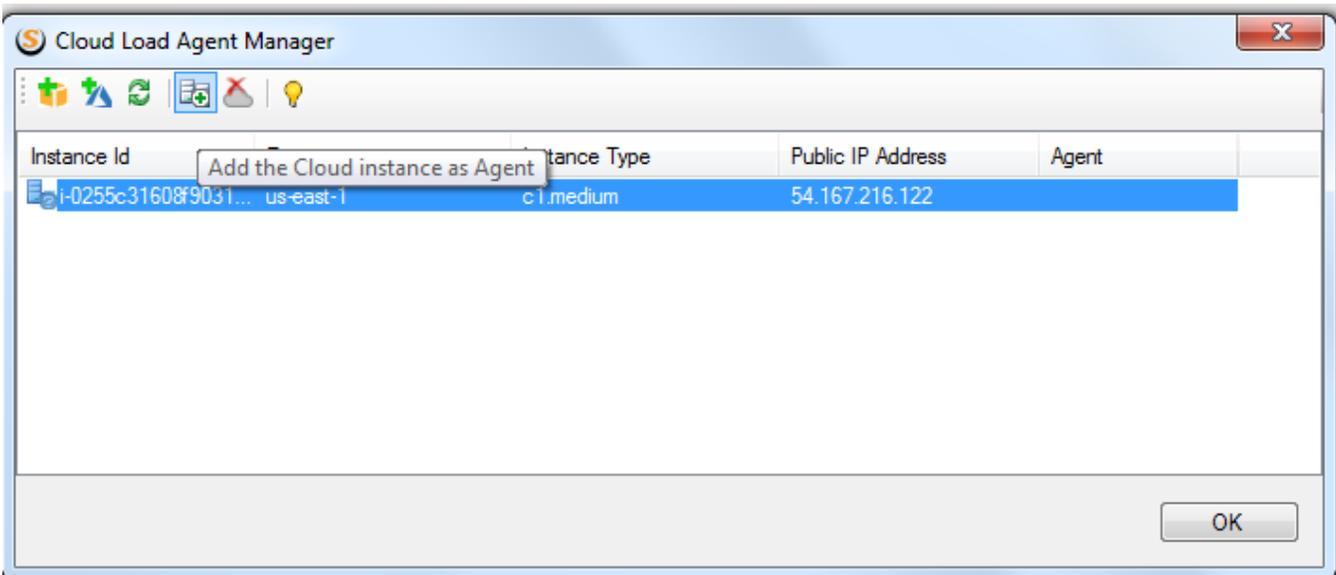


Finally, click Next to create the instance.



Cloud Load Agent Manager

Continue with the wizard until a new instance is created. The newly created instance appears in the manager. It is initially in an initializing state but will change to running state after some time. At this point, you can click **Add the Cloud instance as Agent** to add this instance as an agent to the current test (if not already assigned).



The status phases which each instance goes through are detailed below.

Icon	Status
	Instance request pending

	Preparing instance
	Instance complete and ready to assign as agent
	Agent created
	Instance terminated

StresStimulus security group

Each created instances uses a security group called **StresStimulus Agent v5.0**. This group will be automatically created the first time an instance is created in a particular region.

If this security group fails to be automatically created, it must be created manually. The name of the security group must be **StresStimulus Agent v5.0**. It must open port **49998** for agents and port **49996** for monitoring.

For more on creating security, groups click [here](#).