

Program Documentation: Cloud Platform Visualizing Project Spring 2012

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1. Minimum System Requirements

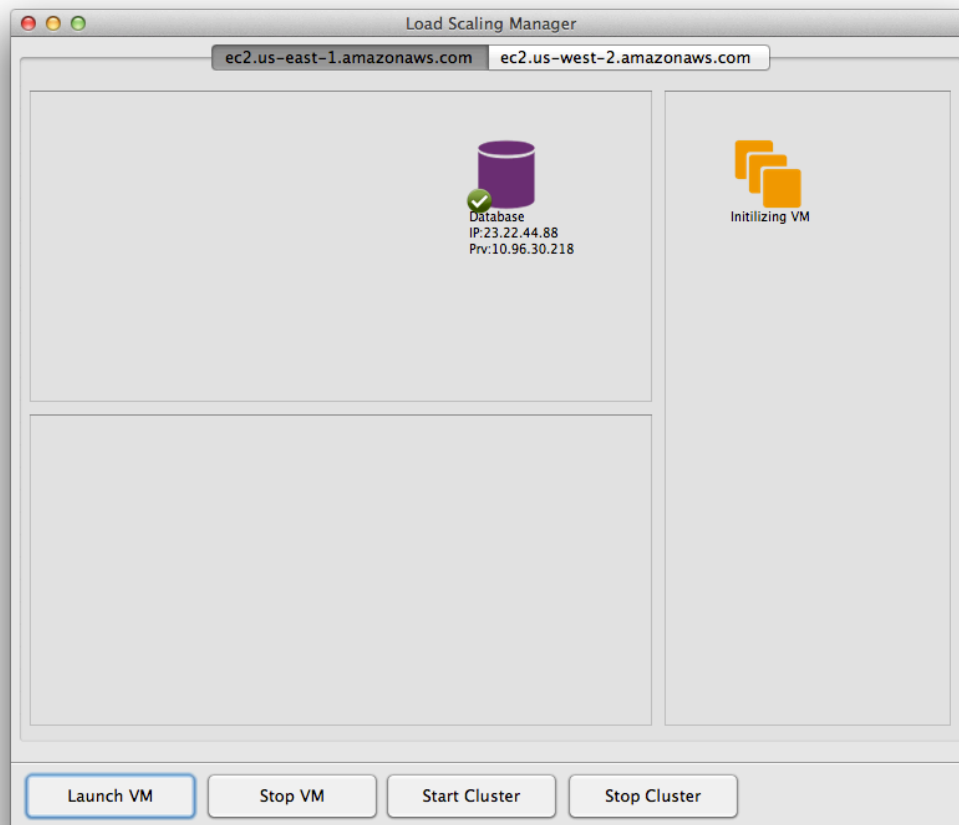
- Oracle Java Runtime Environment (JRE) 1.6 or newer
- Windows XP/Vista/7 or Mac OS X 10.6.8, 10.7.x or newer
- Amazon EC2 account required
- 1024 x 768 minimum resolution

2. How to install the application

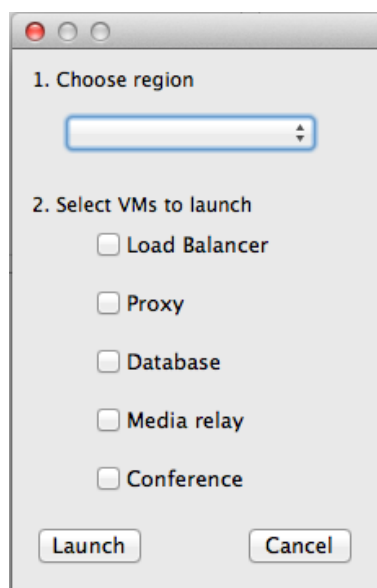


- To mount the DMG file, double click the "LoadScalingManager.dmg" on Finder.
- Drag and drop the application icon to the 'Application' folder.
- To run the application, double click the "LoadScalingManager" icon at the local 'Application' folder.

3. Application Details

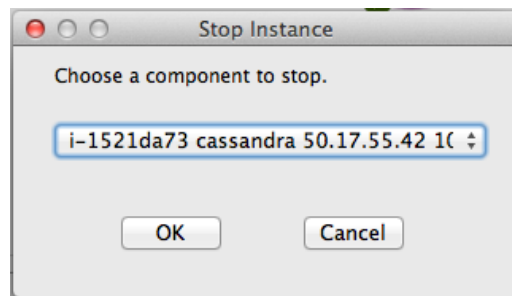


1.1. Start the VM instance



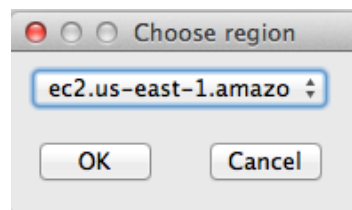
To launch the new VM instance, click the 'Launch VM' button. Then, the VM selection dialog will be shown. Choose the region and the type of the VM instance.

1.2. Stop the VM instance



To stop the VM instance, click the 'Stop VM' button. Then, the 'stop VM instance' dialog will be shown. Choose the VM instance that you want to stop.

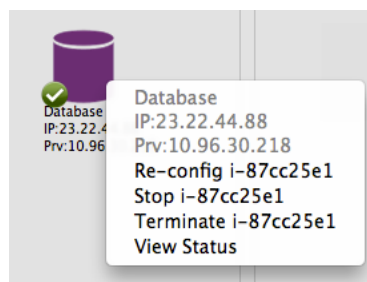
1.3. Start & Stop the cluster



To start the cluster of the VM instances, click the 'Start Cluster' button. Then, the 'Choose region' dialog will be shown. You only need to choose the region for the cluster.

To stop the cluster of the VM instances, click the 'Stop Cluster' button. Then, the same 'Choose region' dialog will be shown. After selecting the region, all of the VM instances in the selected region will be stopped.

1.4. The pop-up menu on the VM instance



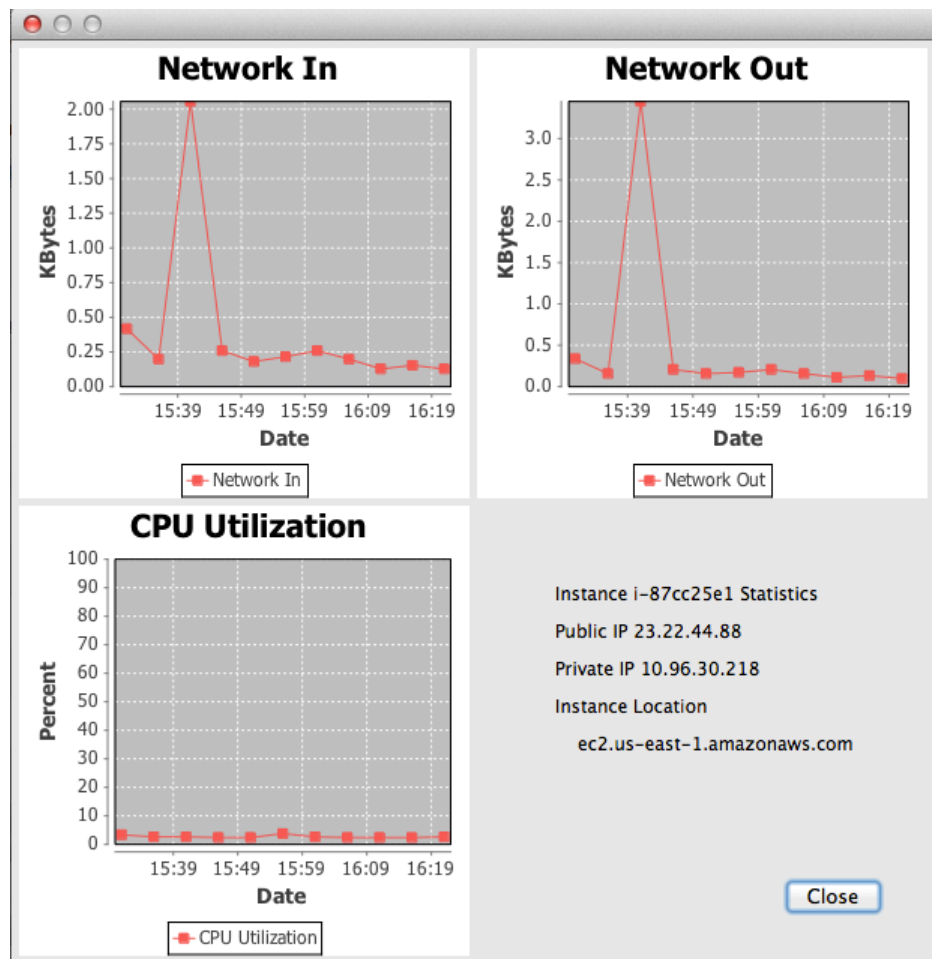
To show up the pop-up menu, click the right mouse button on the VM instance.

To reconfigure the VM instance, choose the 'Re-config' menu on the pop-up menu.

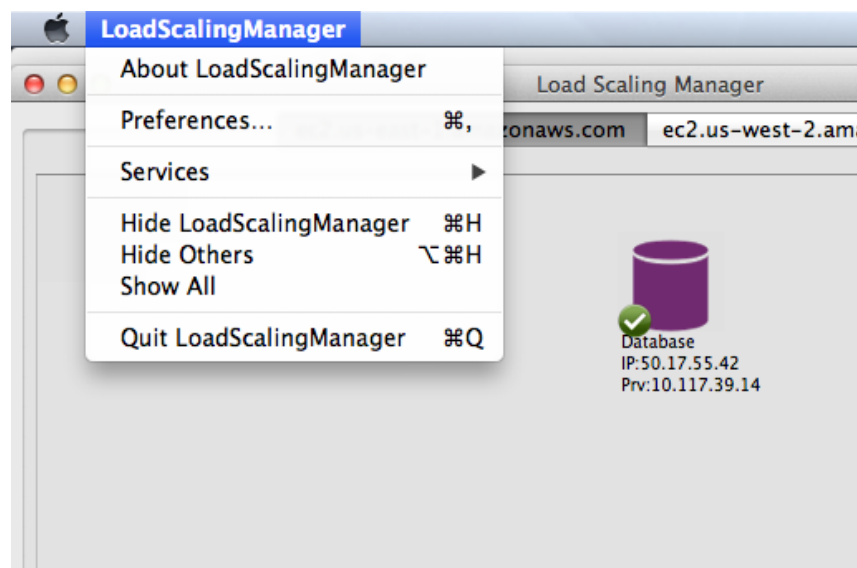
To stop processes of the VM instance, choose the 'Stop' menu on the pop-up menu.

To terminate the VM instance, choose the 'Terminate' menu on the pop-up menu.

To view the statistics graph of the VM instance, choose the 'View Status' menu on the pop-up menu. Then, you'll see the statistics graph like below:



1.5. Quit the application



Click the 'LoadScalingManager' menu at the top of the screen. Then, choose the 'Quit LoadScalingManager' menu to quit the application.

Additional Information

- The visualization client source code repository URL

Host: compute.cs.columbia.edu (or any other CRF-managed machine, such as clic)

Repository path: /home/jyk/cvsroot

Module: LoadScalingManager

- Amazon EC2 API Version - 1.3.0
- SWT Framework Version - 3.7.2
- JFreeChart Framework Version - 1.0.13

Program Documentation Revision History

Name	Date	Reason for Changes	Version
Jin Hyung Park	05/05/12	Initial Release	1.0