

Softlayer Configuration

Use the Softlayer Cloud Configuration utility to deploy your test to an IBM Softlayer Cloud. Access the utility in the AIQ by clicking on the Options link from the Start Screen and navigating to Cloud Configuration tab

Also, there are options to Test the Configuration in the Softlayer Configuration service, including options to view a list of running instances, start and stop instances, and reboot instances.

The screenshot shows the 'SoftLayer Configuration' tab selected in a navigation bar. Below the navigation bar, there are three sub-tabs: 'Test Configuration', 'All Started Machine Detail', and 'Start Single Machine'. The 'Test Configuration' sub-tab is active. On the right side of the sub-tabs, there are three buttons: 'Load Configuration', 'Save', and 'Save As'. The main form area contains eight input fields arranged in two rows. The first row has 'User Name' (with a dropdown arrow), 'API Key', 'Domain', and 'ID'. The second row has 'Data Center Name', 'Max Memory', 'Start CPUs', and 'Network Max Speed 1Gbps'.

The user has to provide the valid user name and API Key and click the button available, This will pull all the data centers available for the account provided. This is done by making a REST call to Softlayer and requesting all data centers, then populating the drop-down dynamically. So it's always up to date.

AIQ provides the following options to run tests in a Cloud Testing environment.

- **User Name** The “User Name” field corresponds to the id used to log in to Softlayer Account from the web page
- **API Key** is a unique key the user has in order to execute REST calls through Softlayer’s REST API, if the user doesn’t know which its API Key is, it can ask for support on Softlayer’s portal page in order to obtain it
- **Domain** The “Domain” field is a required field that identifies the respective machine’s domain. We can get this info while creating a new CCI (Cloud Computing instance)

Server 1: Add

User Metadata
Please enter optional metadata for the servers. This is typically used with custom provisioning scripts.

Server 1:

Host and Domain Names

Hostname: Domain: ex: server1.softlayer.com

Subtotal

	Hourly	Setup
Pre-Tax Total:	\$0.040	\$0.00
Texas Sales Tax:	\$0.000	\$0.00
Total:	\$0.040	\$0.00

Adjustments

Prorated Total: \$0.00
Initial Charge: USD0.00

Promotional Code:

[Edit Configuration](#) [Remove Configuration](#)

- **The ID** field is the image disk id taken for the machines creation process and also it's used for searching functional machines. The ID can be optioned by navigating to Image, Under Devices > Manage > Images - Click the image disk, and the URL will display the ID.
Ex: <https://control.softlayer.com/devices/images/121332> , In this case, 121332 is the image ID.

← → ↻ [SoftLayer Technologies, Inc. \[US\]](#) <https://control.softlayer.com/devices/images/121332> ☆ S

Logged in as: Frank Cohen | Appvance (322620) | [Log Out](#)

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Image Template Details [View All Images](#)

Image Type: Standard Account: 322620 Created: 2014-04-07 11:27 PM (UTC-06:00) Disk Space: 6.42 GB Actions

*Image Name:

Notes:

Locations: ☐ Amsterdam 1 ☒ Dallas 1 ☐ Dallas 5 ☐ Dallas 6 ☐ Hong Kong 2 ☐ Houston 2
☐ London 2 ☒ San Jose 1 ☐ Seattle ☐ Singapore 1 ☐ Toronto 1 ☐ Washington 1

Update

Virtual Disks

	Device	Capacity	Size on Disk
0	CentOS CentOS 5.6-64 LAMP for VSI	25 GB	6.42 GB
1	4097762-SWAP	2 GB	N/A

Share Image
This image can be shared with other accounts. Simply type in the account number in the field below and click share.

- **DataCenter Name** is a very important field, this field is the code used in Softlayer for identifying a respective datacenter, e.g.: "San Jose 1" datacenter's name is "sjc01". Click the created Device, and look for VLAN on the page: The example would look like

VLAN:sjc01.fcr02a.1976, in this case, sjc01 is the DataCenter Name.

The screenshot displays the SoftLayer R console interface. At the top, the navigation bar includes links for Support, Devices, Storage, Network, Security, Services, Account, and a search portal. The main content area is divided into sections: General, System, Network, Public Bandwidth Allotment, and Software. The General section shows device status (Active), location (San Jose 1), and start date. The System section lists OS (CentOS 5.6-64 LAMP for VSI), RAM (4096 MB), and Processor (1 CORE). The Network section is split into Public and Private interfaces. The Public interface (eth1) is active with IP 23.246.247.58. The Private interface (eth0) is active with IP 10.91.85.145. The VLAN field for the public interface is highlighted with a red box and contains the value 'sjc01.fcr02a.1976'. The Public Bandwidth Allotment section shows a current billing cycle of 0 GB and a pooled bandwidth option.

General	
Status:	Active
Start Date:	2014-09-19 09:39 AM (UTC-06:00)
Reloaded:	N/A
Location:	San Jose 1
Last Trans.:	Service Setup

System	
OS:	CentOS 5.6-64 LAMP for VSI
RAM:	4096 MB
Processor:	1 CORE

Network	
Public	
eth1	
Status:	ACTIVE
IP Address:	23.246.247.58
Default Gateway:	23.246.247.57
Subnet Mask:	255.255.255.248
Speed:	10 Mbps
Max Speed:	10 Mbps
VLAN:	sjc01.fcr02a.1976
Private	
eth0	
Status:	ACTIVE
IP Address:	10.91.85.145
Default Gateway:	10.91.85.129
Subnet Mask:	255.255.255.192
Speed:	10 Mbps
Max Speed:	10 Mbps
VLAN:	sjc01.bcr02a.2019

Public Bandwidth Allotment	
Current Billing Cycle:	0 GB Pooled Bandwidth

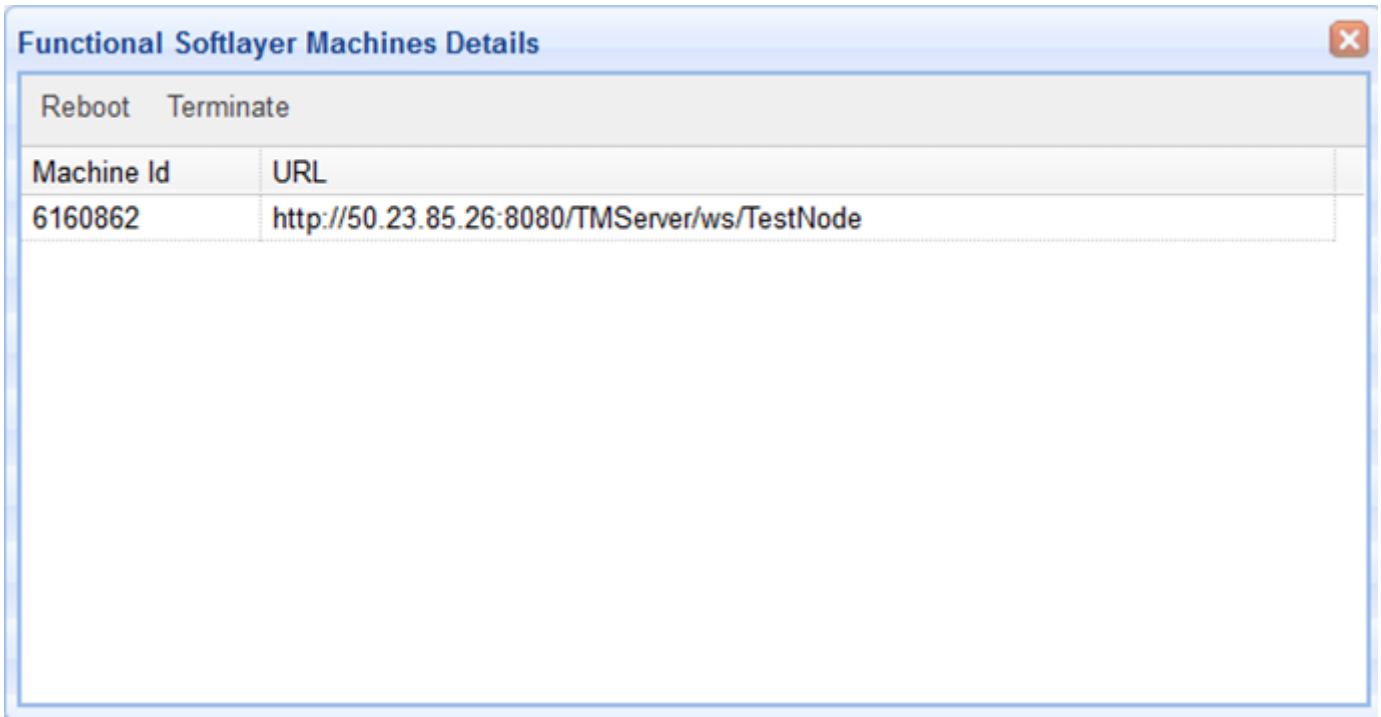
- **Max Memory** field represents the amount of memory the machine will use (in Megabytes), e.g: 4096.
- Start CPU's field which represents the amount of CPUs the machine will use.

Tools Section

This section has some functions related to the information provided in the configuration section previously mentioned.

The "Test Configuration" tool function is checking if the configuration provides is valid.

Then the "Functional Machines" tool opens a list of the machines that match the configuration.



In this screen-shot shown the extension offers a couple of options, one is “Reboot”, which will execute a reboot call at an operating system level, usually this process takes a few minutes after selecting the option.

The other option is “Terminate” which deletes the selected machine, as the reboot process, takes some minutes and it is important for the user to take into consideration that all the information stored in the respective machine will be deleted.

Finally, the “Start Single Machine” tool is in charge of the machine creation process, the parameters for the new machine will be taken from the configuration specified by the user. As the “reboot” and “terminate” process, “start a machine” will take some time, usually minutes and hours sometimes.

Appvance provides the above values to customers using the Appvance OnDemand service. Contact info@appvance.com for details.

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If you have any feedback on this topic, please contact us at documentation@appvance.ai

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