

Puppet Enterprise on Azure with RHEL and Windows Nodes: Post Deployment Guide

Overview`

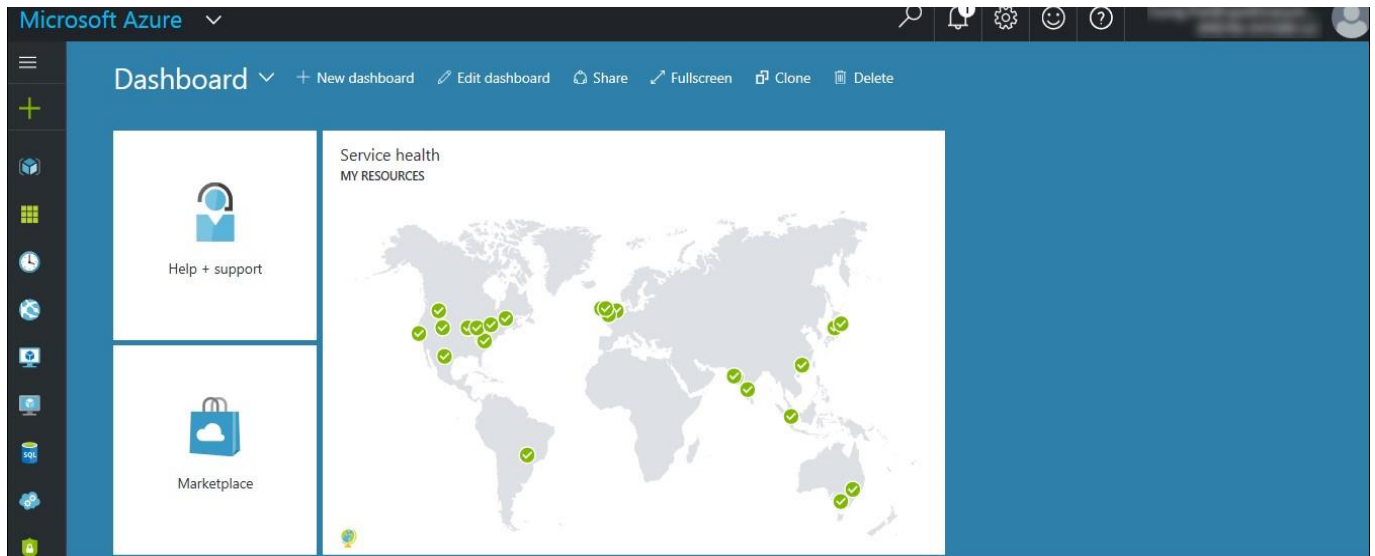
This document will help you in configuring the Puppet Master to accept the puppet agents certificate requests and add the agents to the inventory list.

Prerequisites

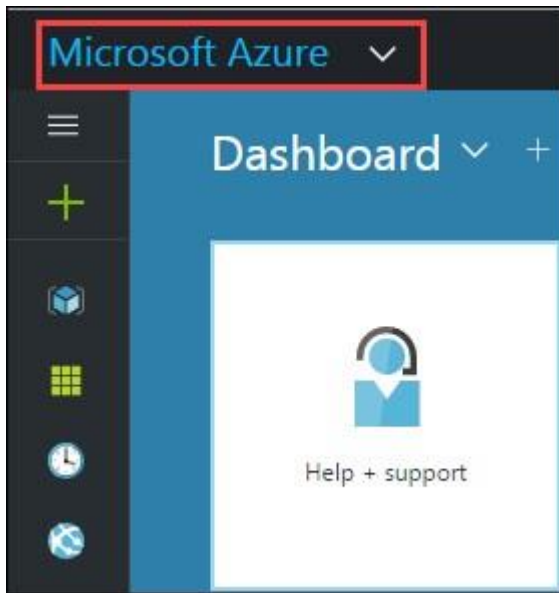
- Microsoft Azure Subscription with admin credentials.
- Azure Quick-start template puppet-enterprise-rhel-win must be deployed successfully in the subscription.

Instructions

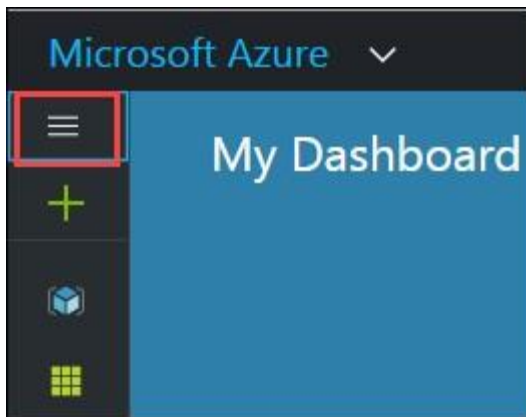
1. **Launch** a browser and **Navigate** to <https://portal.azure.com>. **Login** with your Microsoft Azure credentials.



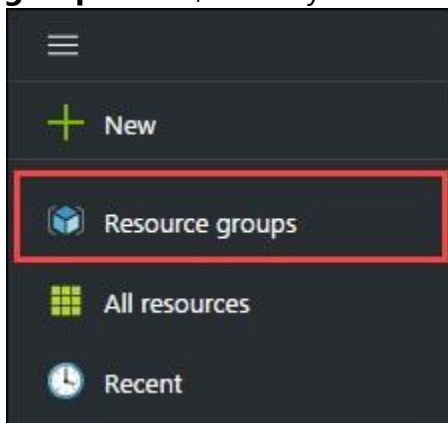
2. **Click** on **Microsoft Azure** at the top left corner of the screen, to view the Dashboard.



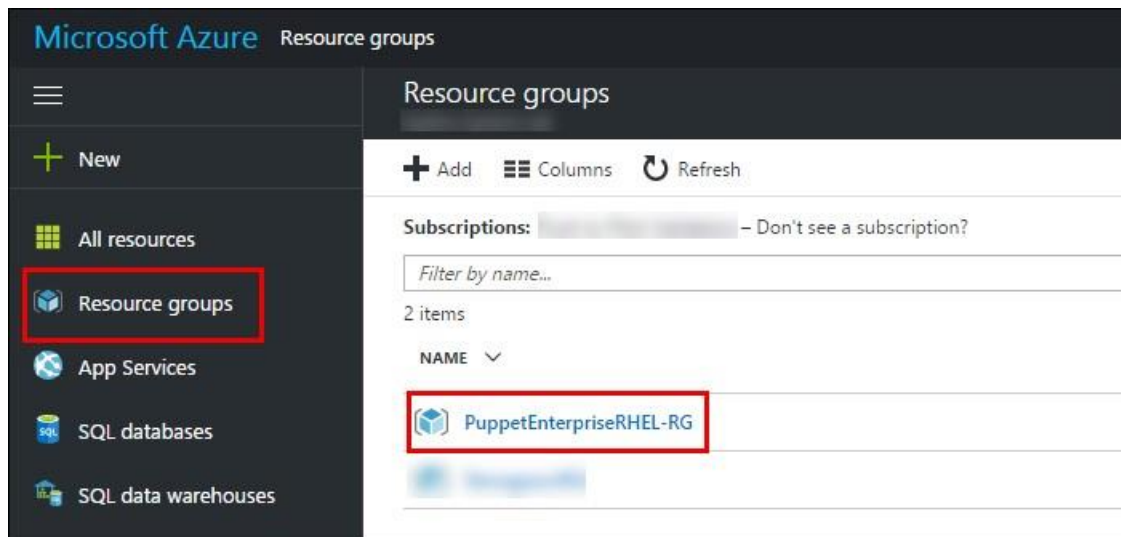
3. To toggle **show/hide** the Portal menu options with icon, **Click** on the **Show Menu** button.



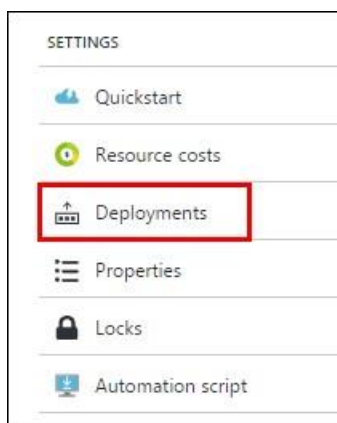
4. **Click** on the **Resource groups** button in the **Menu navigation** bar to view the **Resource groups** blade, where you can view all the resource groups that you have created.



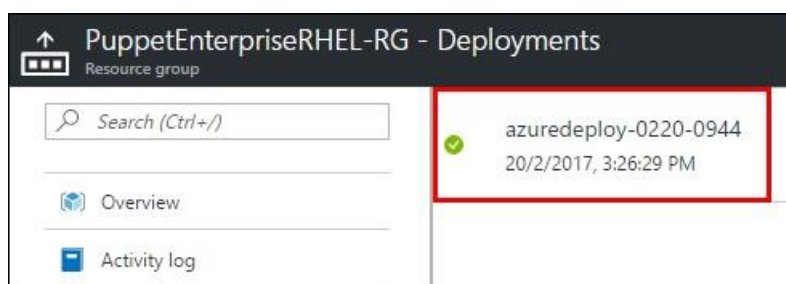
5. **Select** the Resource Group in which you deployed the quick start template.



6. From **Settings** in the new blade, select **Deployments**.



7. Select the latest **deployment** available on this resource group.



8. In the **Deployment** blade, scroll down to the **Outputs** section. You will see the **Public IP** address and **DNS** of **Puppet Master VM** and **Public IP** of Load Balancer

Outputs

PUPPET ENTERPRISE CONSOLE
FQDN:

puppetzxxwkntixdje.westus.cloudapp.azure.com



PUPPET ENTERPRISE CONSOLE
IP

40.86.187.228



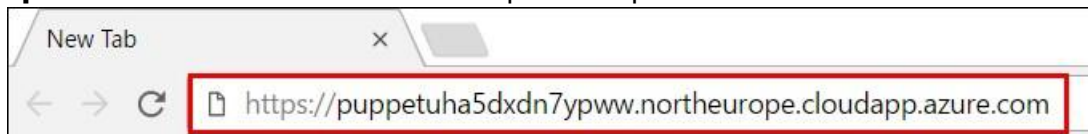
LOAD BALANCER PUBLIC IP

40.86.191.21



9. Make a note of Puppet Enterprise Console FQDN and Load Balancer Public IP. Load Balancer Public can be used to connect to agent VM's via RDP or SSH as applicable. See configured **NAT rules** in Load Balancer **Settings** Blade to learn more about.

10. **Open** a new tab in the browser and paste **https://PUPPET ENTERPRISE CONSOLE FQDN**



You'll see a warning in your web browser. This is because the deployment uses a selfsigned certificate.

11. A page as shown below should appear.



Your connection is not private

Attackers might be trying to steal your information from

puppetuha5dxdn7ypww.northeurope.cloudapp.azure.com (for example, passwords, messages, or credit cards). NET::ERR_CERT_AUTHORITY_INVALID

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ADVANCED

Back to safety

12. To proceed, ignore the SSL Warning by clicking **advanced**, and then **click** on **Proceed**



Your connection is not private

Attackers might be trying to steal your information from

puppetuha5dxdn7ypww.northeurope.cloudapp.azure.com (for example, passwords, messages, or credit cards). NET::ERR_CERT_AUTHORITY_INVALID

☐ [Automatically report](#) details of possible security incidents to Google. [Privacy policy](#)

HIDE ADVANCED

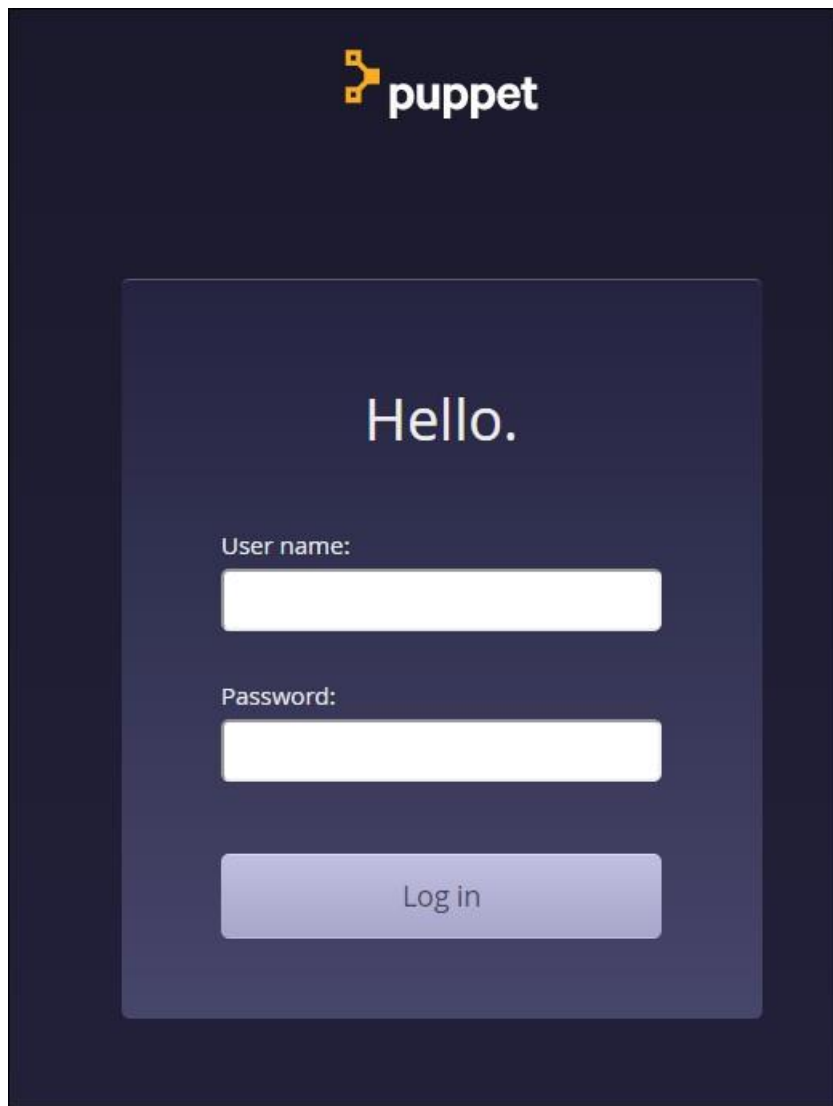
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This server could not prove that it is

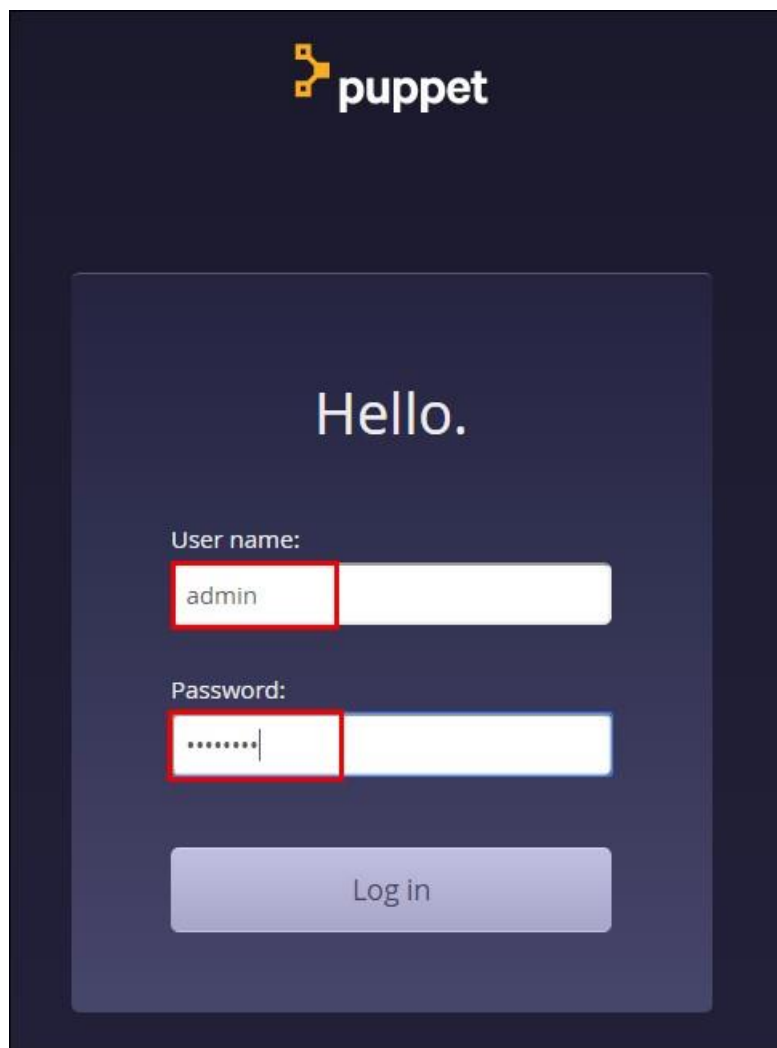
puppetuha5dxdn7ypww.northeurope.cloudapp.azure.com; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection. [Learn more](#).

[Proceed to puppetuha5dxdn7ypww.northeurope.cloudapp.azure.com \(unsafe\)](#)

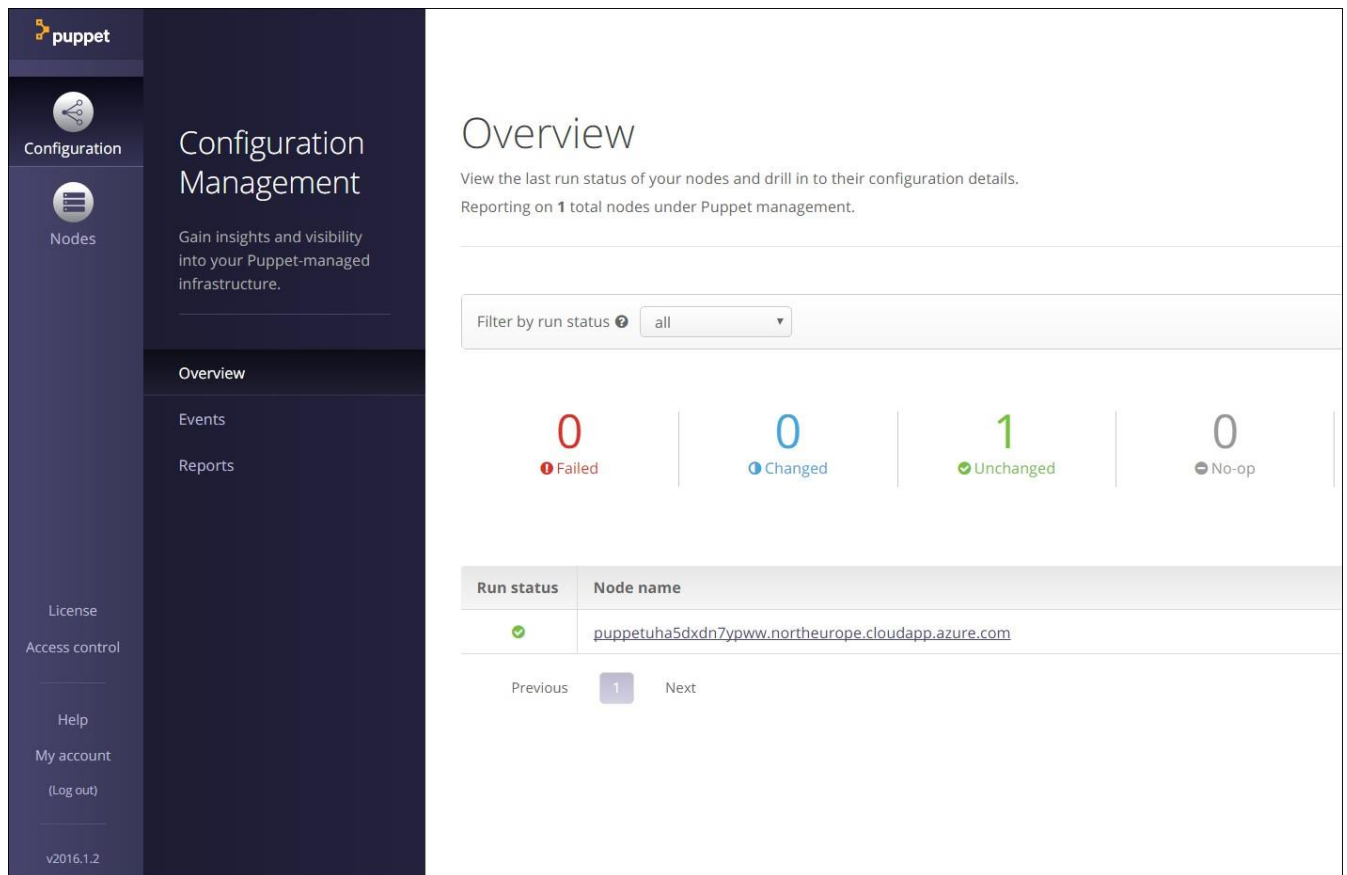
13. Now you will be directed to the Puppet Master Console Login page.



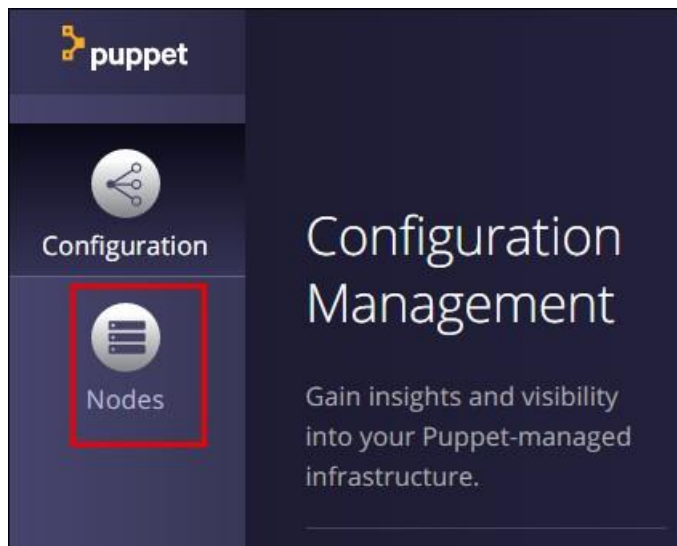
14. For the user name, type **admin**, and then **provide** the puppet console password you specified for the **puppetConsolePassword** parameter when you launched the Azure Quickstart template and then **Click** on **SIGN IN**.



15. Now you will be redirected to the Puppet Master Console.



16. Select **Nodes** in the Puppet Console menu on the left side.



17. Now, you will be guided to the **Node Management** page and select **Unsigned Certificates** from the menu.

Node Management

View your Puppet-managed nodes, create node groups, and apply classification data.

- Inventory
- Classification
- Unsigned Certificates** 4

Inventory

View information about your **1** Puppet-managed node.

Filter by node name:

Node name

[puppetuha5dxdn7ypww.northeurope.cloudapp.azure.com](#)

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18. In the Unsigned Certificates blade, you can see a list of the certificate requests by the puppet agents. **Click on Accept All.**

Unsigned Certificates

Accept certificate requests to bring nodes into your inventory.

Node name	Fingerprint	Accept All	Reject All
vm-linux-agent1.fvd2ebye1bru3clgqaakogo1lc.f...	82:AE:99:71:1F:72:6C:E1:D8:75:13:A4:68:6F:9F:C...	Accept	Reject
vm-linux-agent2.fvd2ebye1bru3clgqaakogo1lc.f...	5B:F2:D9:DF:FB:54:04:AF:A3:36:50:AC:28:C5:90:6...	Accept	Reject
vmwinagent1.fvd2ebye1bru3clgqaakogo1lc.fx.in...	40:A8:5A:58:D7:D4:24:65:3A:68:00:AC:1A:7E:D8:...	Accept	Reject
vmwinagent2.fvd2ebye1bru3clgqaakogo1lc.fx.in...	18:81:A1:0D:07:6B:D6:60:27:7B:53:0A:CD:3F:58:F...	Accept	Reject

Adding nodes to manage with Puppet Enterprise

Every node you wish to manage must have the Puppet Enterprise agent installed. There are [several methods](#) to install the agent. For most cases, simply run the following command on the node:

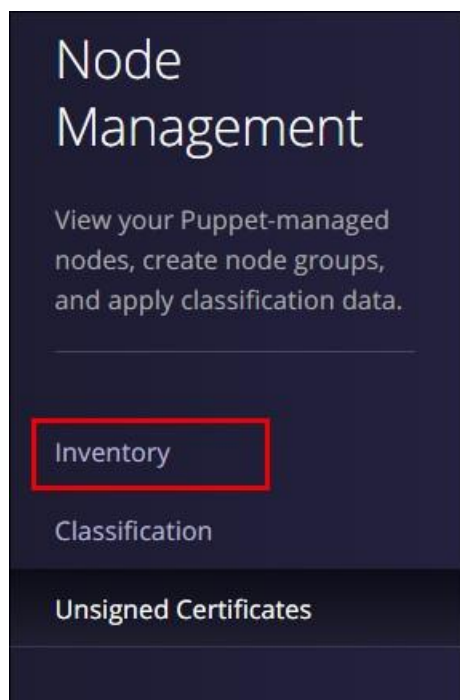
```
curl -k https://puppetuha5dxdn7ypww.northeurope.cloudapp.azure.com:8140/packages/current/install.bash | sudo bash
```

19. Once you **Click** on **Accept All**, you can see the status is changed in **Unsigned Certificates** blade.

Unsigned Certificates			
Accept certificate requests to bring nodes into your inventory.			
Node name	Fingerprint	Accept All	Reject All
vm-linux-agent1.fvd2ebye1bru3clgqaakogo1lc.f...	82:AE:99:71:1F:72:6C:E1:D8:75:13:A4:68:6F:9F:C...		✓ Accepted
vm-linux-agent2.fvd2ebye1bru3clgqaakogo1lc.f...	5B:F2:D9:DF:FB:54:04:AF:A3:36:50:AC:28:C5:90:6...		✓ Accepted
vmwinagent1.fvd2ebye1bru3clgqaakogo1lc.fx.in...	40:A8:5A:58:D7:D4:24:65:3A:68:00:AC:1A:7E:D8:...		✓ Accepted
vmwinagent2.fvd2ebye1bru3clgqaakogo1lc.fx.in...	18:81:A1:0D:07:6B:D6:60:27:7B:53:0A:CD:3F:58:F...		✓ Accepted

19. Now, **wait** for **30 mins** for the Windows Agents also to be added to the list of nodes in the inventory. Linux Agents will be added to the list of nodes in inventories in 5 minutes

20. After 30 mins, **click** on **Inventory** menu on the left side.



21. Then you will see 5 nodes listed in the inventory which includes the master node also.

Node Management

View your Puppet-managed nodes, create node groups, and apply classification data.

Inventory

Classification

Unsigned Certificates

Inventory

View information about your **5** Puppet-managed nodes.

Filter by node name:

Node name	Last report
puppetuha5dxdn7ypwww.northeurope.cloudapp.azure.com	2017-02-20 10:56 Z
vm-linux-agent1.fvd2ebye1bru3clgqaakogo1lc.fx.internal.cloudap...	2017-02-20 10:42 Z
vm-linux-agent2.fvd2ebye1bru3clgqaakogo1lc.fx.internal.cloudap...	2017-02-20 10:42 Z
vmwinagent1.fvd2ebye1bru3clgqaakogo1lc.fx.internal.cloudapp.n...	2017-02-20 10:55 Z
vmwinagent2.fvd2ebye1bru3clgqaakogo1lc.fx.internal.cloudapp.n...	2017-02-20 10:56 Z

22. Now you can start using the puppet enterprise solution. Follow [Puppet Official documentation to learn more.](#)