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Cluster a Multi-Node Configuration

Clustering multiple nodes together provides high availability for the IoT_Primary VM. If Node 1 fails or is rebooting, the VM automatically fails over to Node 2.

You must configure the nodes' numbers before you can cluster them together. Nodes must be configured with numbers only if they will be clustered. Before configuring a node with a number and clustering it with another node, it must be set up through the VS-Settings Menu (see Configure Your System's Settings).

- Setting a Node's Number
- Olustering a Multi-Node Configuration

Basic Operations

Locate the System Serial Number

Power On and Power Off the VS1110-A

Access Default Login Credentials

Display IP Addresses

Configure Laptop Network Settings for Direct Server Connections

Change the BMC IP Address and ADMIN Account Password (Optional)

Enable and Disable Cloud-**Based Analytics**

Launch the Host OS Console

Use the VS-Settings Menu

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You must configure the nodes' numbers before you can cluster them together. Nodes must be configured with numbers only if they will be clustered. Before configuring a node with a number and clustering it with another node, it must be set up through the VS-Settings Menu (see <u>Configure Your System's Settings</u>).

- Setting a Node's Number
 - 1. Double-click VS-Settings to open the VS-Settings Menu.



2. In the VS-Settings Menu, enter 2, then press Enter to open the Clustering Menu.

```
*** VS-Settings Menu ***

0) Setup Wizard - A guided setup of the system.

1) Manage VMs Menu >>> - Menu for virtual machines related tasks.

2) Clustering Menu >>> - Menu for clustering related tasks.

3) Advanced Menu >>> - Menu for advanced tasks.

4) Service Tasks Menu >>> - Menu for service related tasks.

5 Your Choice ('q' to Exit this Menu): 2
```

 To establish Node 1, enter 1 in the Cluster Tasks Menu; to establish Node 2, enter 2; then press Enter.

```
*** Cluster Tasks Menu ***

6) Display node info

1) Make Node 1

2) Make Node 2

3) Add Node to cluster

4) Cluster Status

5) Clear node number

Your Choice ('q' to Exit this Menu): 1
```

- 4. A confirmation message displays
 - If you are creating Node 1, a confirmation message informs you that the VM on the Node 1 will be preserved after the cluster is created.
 - If you are creating Node 2, a confirmation message informs you that you will be unable to create VMs on Node 2.

Type y, then press Enter to continue configuring the node's number.

```
1) Make 1
2) Make Node 2
3) Add Node to cluster
4) Cluster Status
5) Clear node number

Your Choice ('q' to Exit this Menu): 1

Any VMs that exist on node 1 at the time it is joined to the cluster will be preserved after the cluster is created.

Continue with node number change (y/n)? y
```

The system indicates when it successfully set the node, then returns to the Cluster Tasks Menu.

```
Any VMs that exist on node 1 at the time it is joined to the cluster will be preserved after the cluster is created.

Continue with node number change (y/n)? y Configuring cluster node..please wait

Successfully set the node number to 1

*** Cluster Tasks Menu ***

(a) Display node info

1) Make Node 1

2) Make Node 1

2) Make Node 2

3) Add Node to cluster

4) Cluster Status

5) Clear node number

4 Your Choice ('q' to Exit this Menu):
```

Olustering a Multi-Node Configuration

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