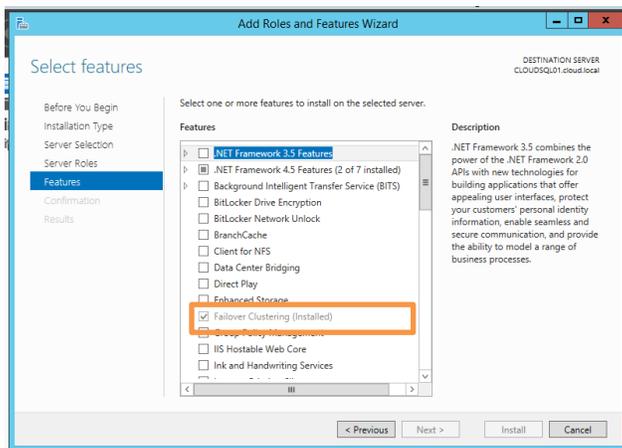


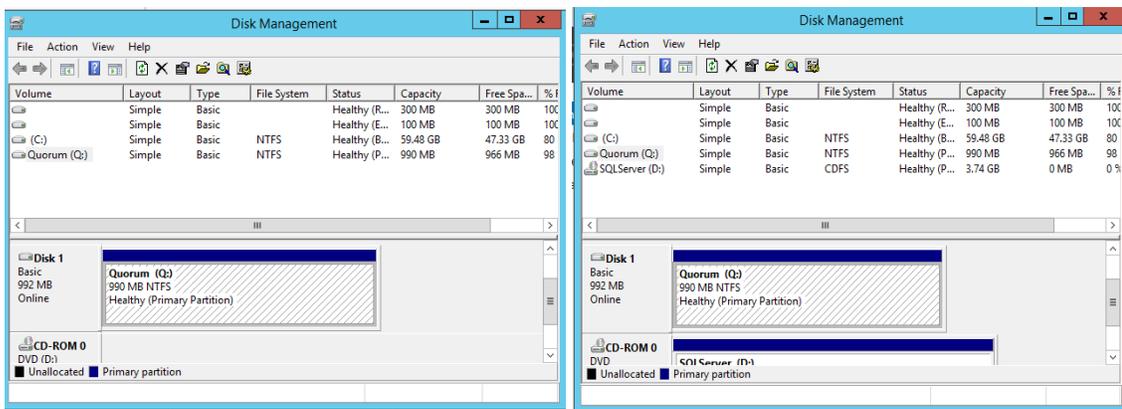
Failover Cluster Configuration

Prerequisites:

1. Minimum two (2) Servers required for configuring Failover Cluster.
2. Install **Failover Cluster Manager** Role from **Server Manager** → Add Roles and Features.



3. A Virtual Disk (Quorum.vhdx) mounted on both the servers



CLOUDSQL01

CLOUDSQL02

Below are the scripts that are using to create **Quorum.vhdx** file in the "Scale-Out File Server Share" and attaching it to both the Virtual Machines (CLOUDSQL01 and CLOUDSQL02).

To create a new .vhdx

```
New-VHD -Path \\cloudsofscap\FabricManagement\hyper-v\CLOUDCLUSTER04\Quorum.vhdx -Dynamic -SizeBytes 1GB -PhysicalSectorSizeBytes 4096 -LogicalSectorSizeBytes 4096
```

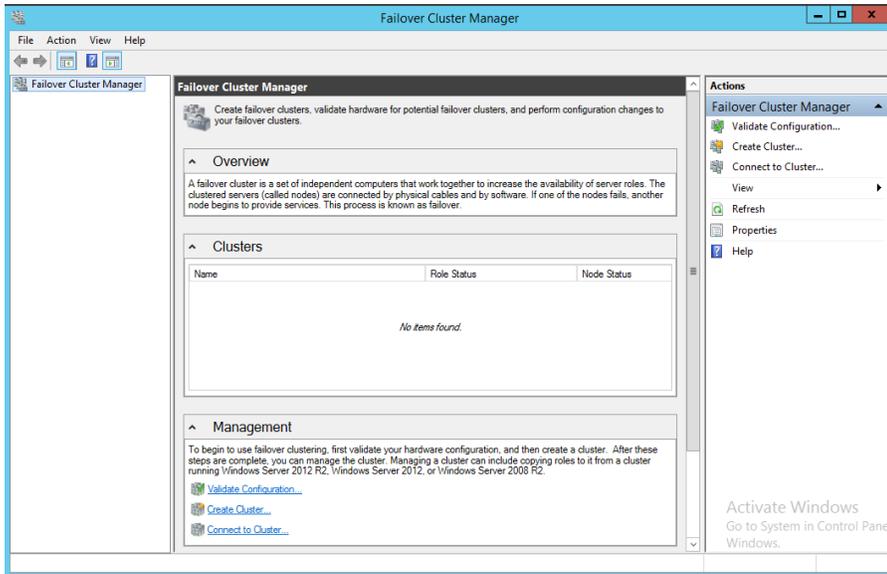
Attaching .vhdx to servers.

```
Add-VMHardDiskDrive -VMName CLOUDSQL01 -Path \\cloudsofscap\FabricManagement\hyper-v\CLOUDCLUSTER04\Quorum.vhdx -SupportPersistentReservations
```

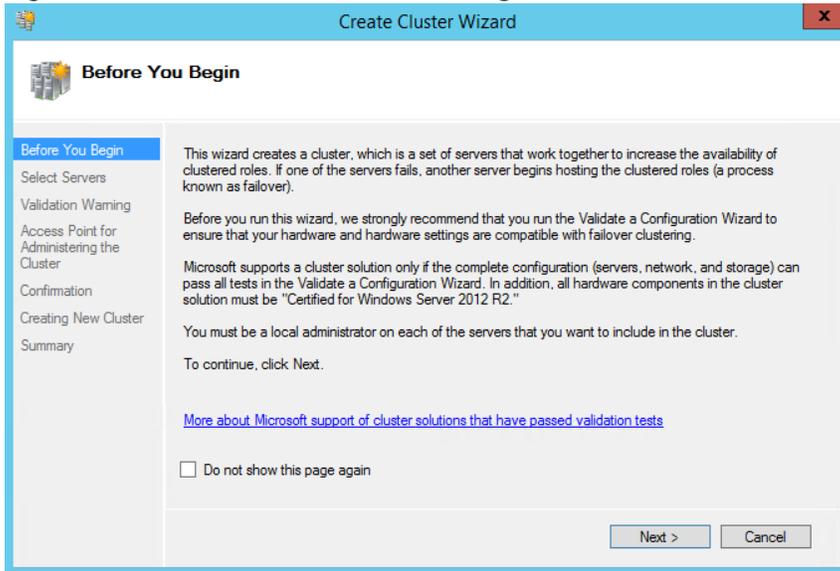
```
Add-VMHardDiskDrive -VMName CLOUDSQL02 -Path \\cloudsofscap\FabricManagement\hyper-v\CLOUDCLUSTER04\Quorum.vhdx -SupportPersistentReservations
```

Steps to create Failover Cluster

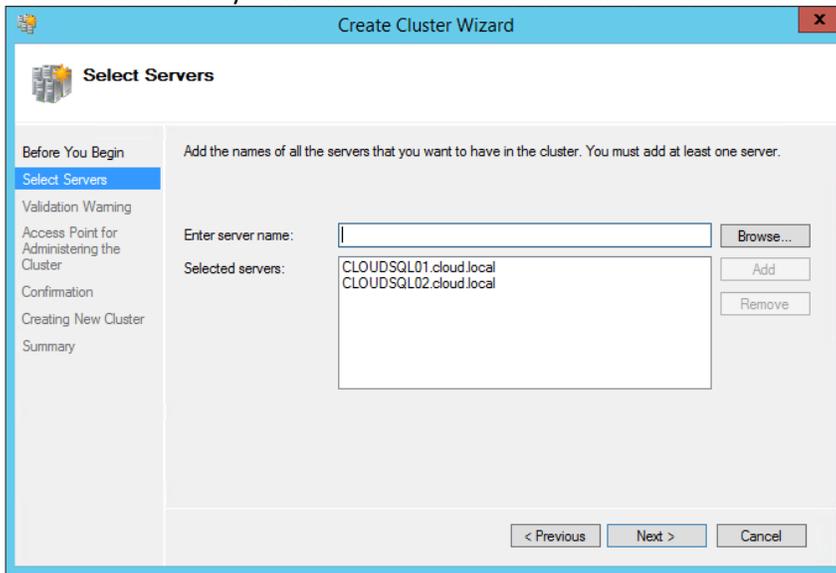
1. Open Server Manager → Tools → Failover Over Cluster Manager



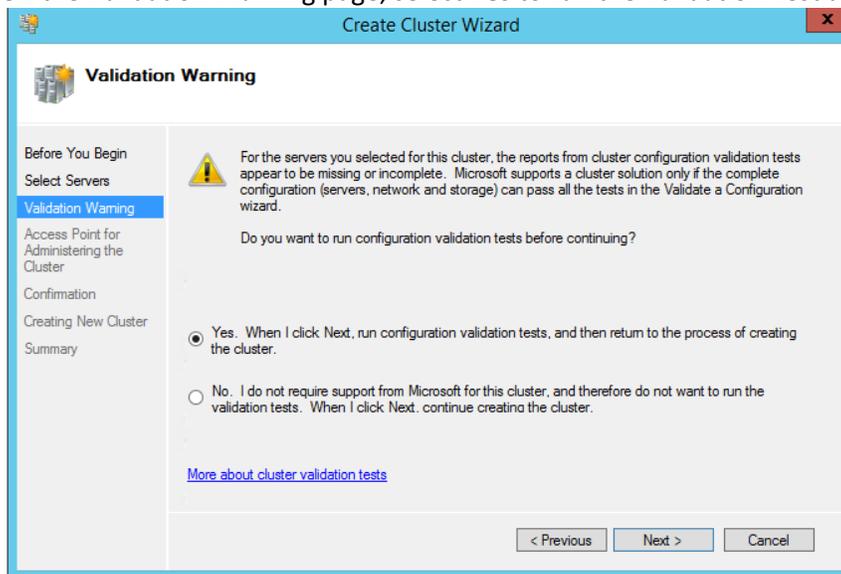
2. Right click on **Failover Over Cluster Manager** and Click **Create Cluster** and click **Next**



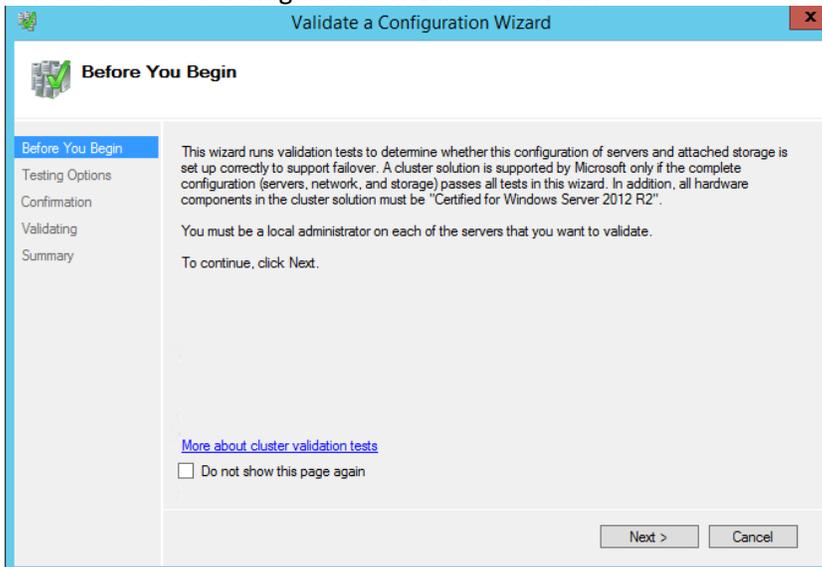
3. Select Servers that you would like to Add in the Failover Cluster and click **Next**.



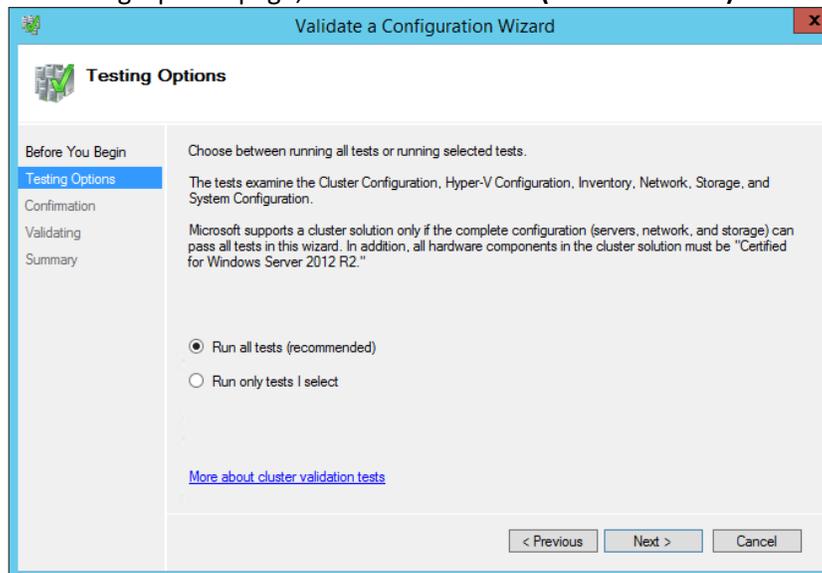
4. On the Validation Warning page, select **Yes** to run the Validation Test and click **Next**.



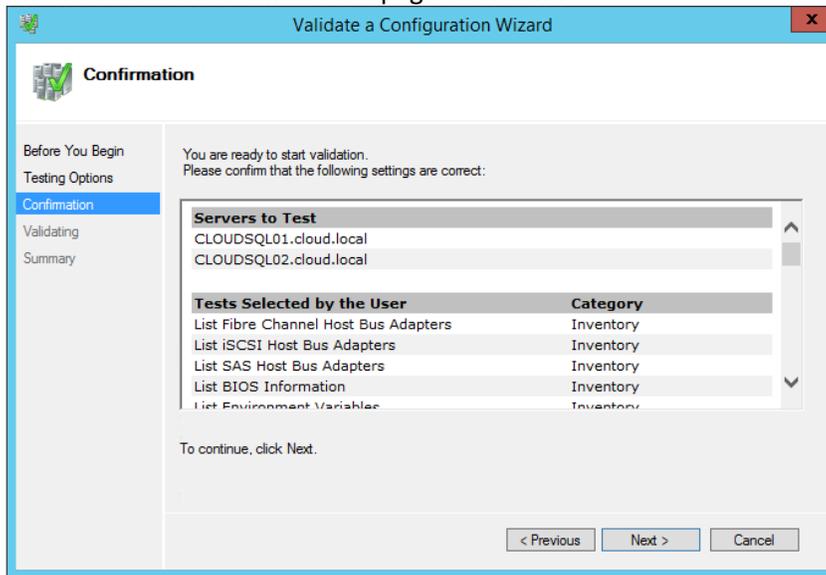
5. On the Validate a Configuration Wizard click **Next**.



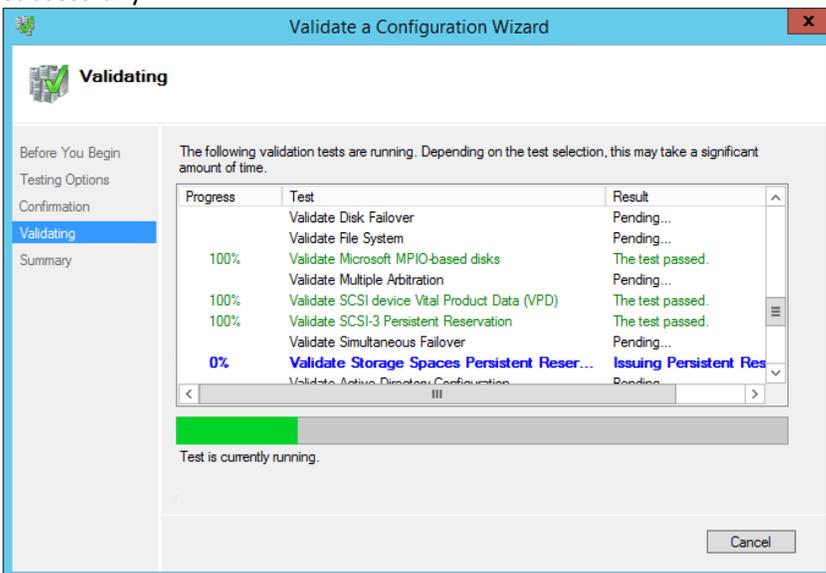
6. On Testing Options page, select **Run all tests (recommended)** and click **Next**.



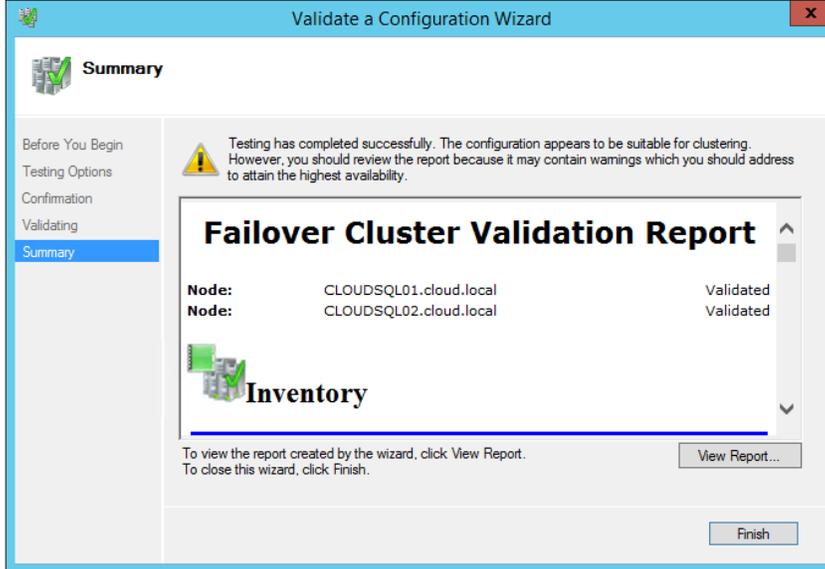
- On the Validation Confirmation page click Next.



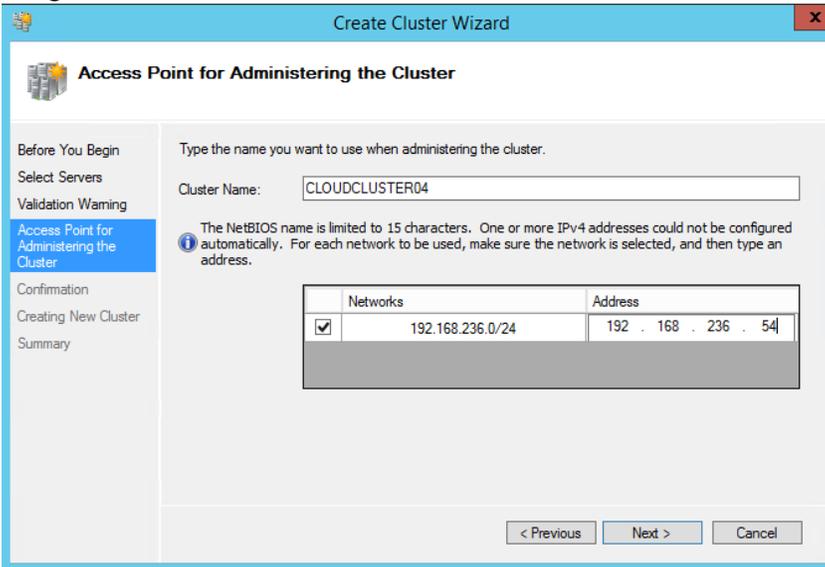
- Validation will start and if the entire requirement for the cluster is available it will finish successfully.



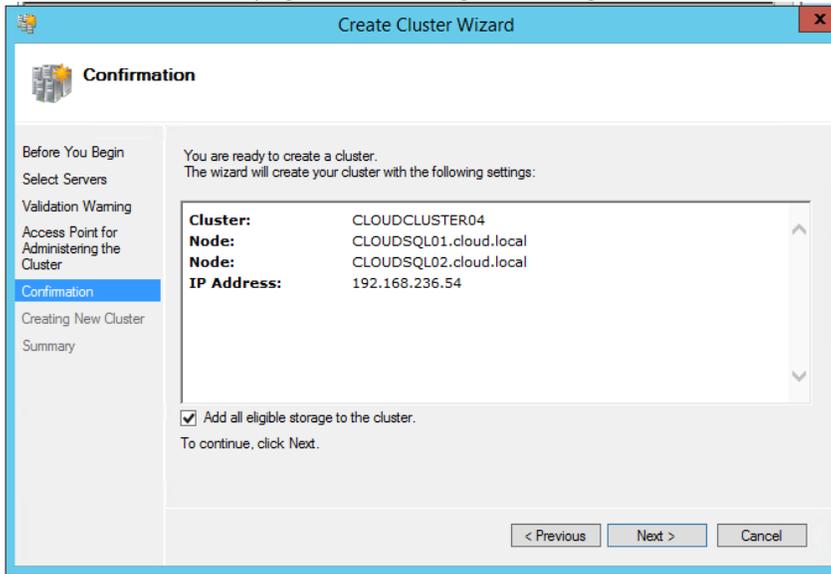
9. In the **Summary, Validation has Completed Successfully**, click on View Report to know more details and click **Finish**.



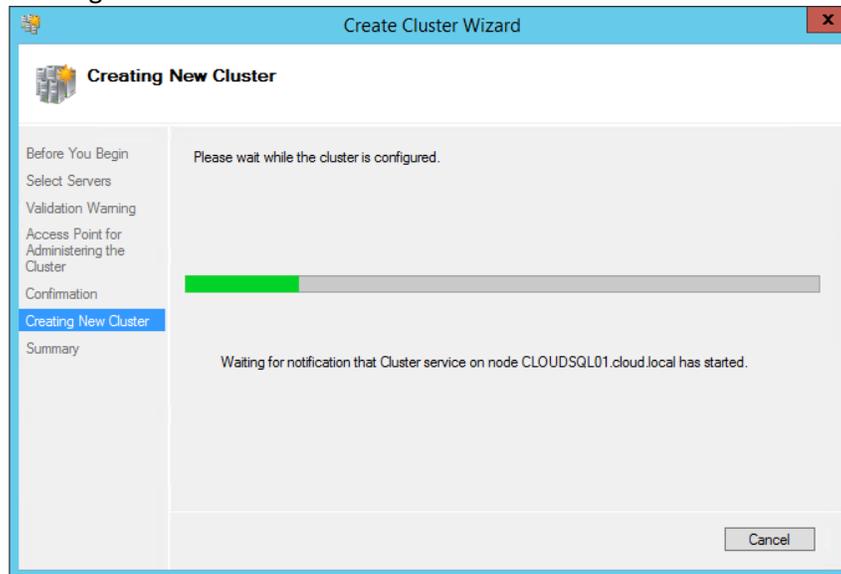
10. Assign the **Cluster Name** and **IP Address** for the Cluster and click **Next**.



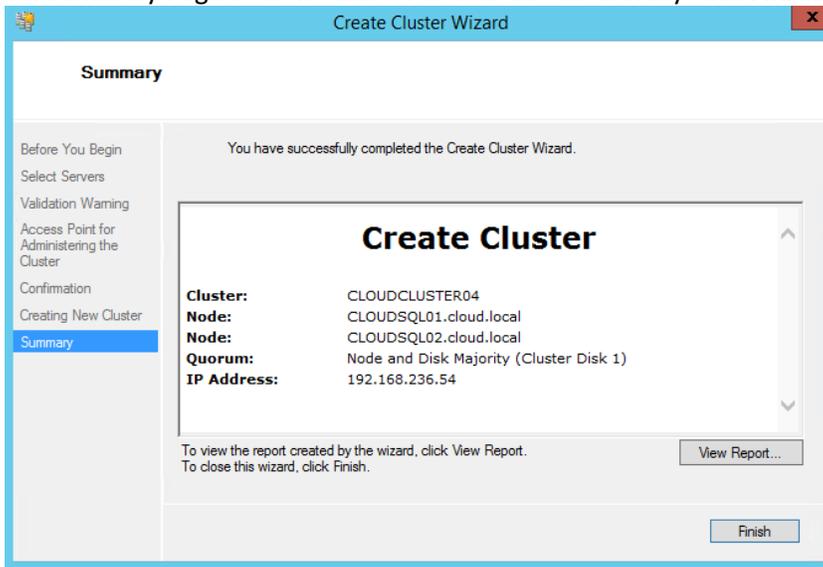
11. On the Confirmation page, “Add all eligible storage to the cluster” is checked and click **Next**.



12. Creating New Cluster.



13. On Summary Page it shows Cluster is created successfully click **Finish**.



14. Expand the Failover Cluster Manager and to preview the configuration.

