setup.exe to install the head node and select “create a new HPC cluster”.

Microsoft HPC Pack 2016 Update 2 Installation Wizard 
Select Installation Type 
Getting Started 
Microsoft Software user 
Agreement 
Select Type 
Head node high availability 
Installation Rules 
HPC DB Configuration 
Install Location 
Certificate 
Cus tomer Experience 
mprovement Program 
Install Required Components 
Complete 
type of installation for this computer 
@ Create a new HPC cluster by creating a head node 
The first step in the deployment process of your 
ter is to create a head node 
C) Join an 
ng a new compute node 
Compute nodes are used for running jobs This type of node cannot change roles without being 
redeployed 
C) Join an existing HPC cluster by creating a new VJCF broker node 
Windcws Communication Foundation (VJCF) broker nodes are used for routing VJCF calls from 
the Service-Oriented Architecture (SOA) clients to the SOA services running on compute nodes in 
your cluster This type of node can change roles to be a compute node 
C) Join an existing HPC cluster by creating a new uorkstation node or unmanaged server node 
These nodes can be used for running jobs by harvesting computer cycles On a Windcws client 
operating system, the workstation node role is installed On a Windcws Server operating system. 
the unmanaged server node role is installed 
C) Install only the client utilities 
HPC Cluster Manager. HPC Job Manager. and HPC PcwerSheII will be installed 

For Linux compute nodes only compact with single head node configuration(<https://docs.microsoft.com/en-us/powershell/high-performance-computing/get-started-with-on-premises-linux-compute-nodes?view=hpc16-ps> ), we config the head node HA accordingly.

Microsoft HPC Pack 2016 Update 2 Installation Wizard 
Head node high availability 
Getting Started 
Microsoft Software user 
Select Installation Type 
rocs 
Installation Rules 
HPC DB Configuration 
Install Location 
Certificate 
Cus tomer Experience 
Improvement Program 
Install Required Components 
Complete 
Select whether you want to create the cluster with head node high availabiliti% If you choose to create a 
high availability cluster, three head node machines are required. make sure you have installed the 
prerequisites for rode or the other two machines 
• Single head node cluster 
C) High avala I I 

prepare a certificate with the CreateHpcCertificate.ps1 tool in the setup folder for the head node deployment.

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MS HPC HPCPack2016Update2-FuII-v6277 
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Windows Installer 
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189 G 
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139,630 KB 
25,068 G 
24,980 G 
253 KB 
65 G 
45 G 
45 items 
I item selected 13.9 KB 

Administrator: Windows PowerSheII 
HpcCertifi cate. PSI 
-CommonName " HPC Pack 
Z 3456 - -Asp Iai n Text -Force) 
PS Microsoft. PowerSheII .\Create 
2016 cati on" -Path "f pfx" -Password 
PS Microsoft. PowerSheII . Core\Fi leSysten: 
(Convert To- Secur ng 

> .\CreateHpcCertificate.ps1 -CommonName "HPC Pack 2016 Communication" -Path "f:\hpccomm.pfx" -Password (ConvertTo-SecureString "123456" -AsPlainText -Force)

Then point to the generated certificate on the “Certificate” step during the setup.

Microsoft HPC Pack 2016 Update 2 Installation Wizard 
Certificate 
Getting Started 
Microsoft Software user 
Select Installation Type 
Head node high availability 
Installation Rules 
HPC DB Configuration 
Local Database Setting 
Local Database Folders 
Install Location 
Certific±ts 
Customer Experience 
Improvement Program 
Install Required Components 
Complete 
Specify a SSL certificate to secure the communication between the HPC Pack nodes Make sure that you 
specify the same certificate on all the head nodes if you are creating a cluster with head node high 
availabiity 
Install trusted root certificate 
Select a certificate 
@ Import certificate from a PFX file 
C) Create a new self-signed certificate 
File Name 
F \hpccomm .pfx 
Z] Display Password 

Microsoft HPC Pack 2016 Update 2 Installation Wizard 
Certificate 
Getting Started 
Microsoft Software user 
Select Installation Type 
Head node high availability 
Installation Rules 
HPC DB Configuration 
Local Database Setting 
Local Database Folders 
Install Location 
Certific±ts 
Customer Experience 
Improvement Program 
Install Required Components 
Complete 
Specify a SSL certificate to secure the communication between the HPC Pack nodes Make sure that you 
specify the same certificate on all the head nodes if you are creating a cluster with head node high 
availabiity 
Install trusted root certificate 

After the installation, start HPC cluster manager and perform deployment configuration.

Machine generated alternative text:
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Configure network topology according the actual conditions

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Config installation credentials by input account and password.

Machine generated alternative text:
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Machine generated alternative text:
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