

# Aspire Parcel and Service How to Configure

On the page:

- [Step 1a. Add the Aspire parcel repository to the Cloudera Manager](#)
- [Step 1b. Add the Aspire service to the Cloudera Manager](#)
- [Step 2. Download, Distribute and Activate the Parcel](#)
- [Step 3. Add the New Service](#)
  - [Step 3a. Add Aspire as a service](#)
  - [Step 3b. Configure Aspire](#)
  - [Step 3c. Finish the installation](#)
- [Step 4. Check the newly installed service](#)
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## Step 1a. Add the Aspire parcel repository to the Cloudera Manager

1. If you haven't [create a temporary parcel repository](#) with the Aspire Cloudera Parcel binaries.
2. In the Cloudera Manager click on the parcels icon to go to the parcels page.
3. In parcels page click on the configuration button.
4. Scroll until you see the option to add a remote parcel repository.
5. Click on the + button and then copy the url of the Aspire parcel repository.
6. Finally click on the Save Changes button.

### Local Repository

If for some reasons the remote repository cannot be used, download the parcel from it and follow the steps inside this [link](#) to configure a local repository

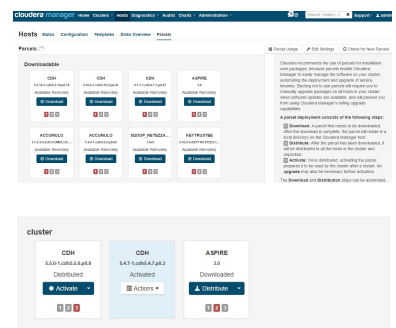
## Step 1b. Add the Aspire service to the Cloudera Manager

1. Download the jar of the Aspire-3.2 service.
2. Put the jar in the CSD path configured in Cloudera Server, the default is /opt/cloudera/csd
3. Restart the Cloudera Manager so the new service is picked up
4. 

```
service cloudera-scm-server stop
service cloudera-scm-server start
```

## Step 2. Download, Distribute and Activate the Parcel

1. Go to the *Cloudera Manager Parcels* management page and look for the Aspire parcel that should be available to download.
2. Click **Download** and wait until download process is done.
3. Click **Distribute**.
4. After the distribution is done, click **Activate**.
  - The parcel should be activated on all instances of the Cloudera Cluster.



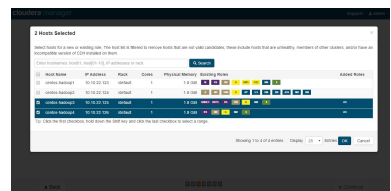
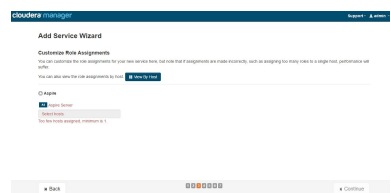
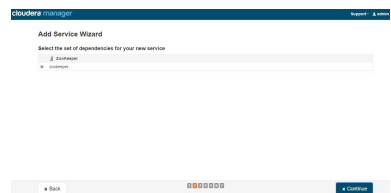
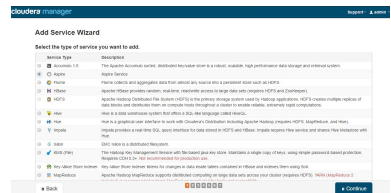
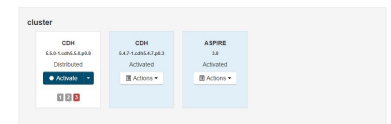
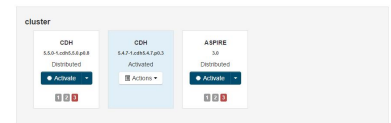
## Step 3. Add the New Service

On the cluster, click **Add Service** to go to the add service wizard.

### Step 3a. Add Aspire as a service

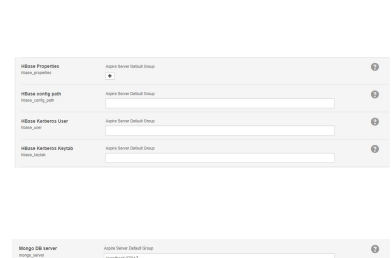
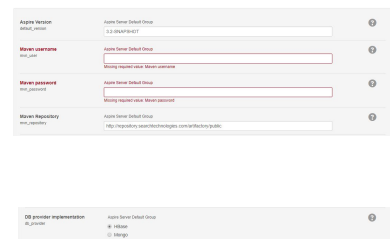
In the wizard, Aspire should be listed as a service to install.

1. Select **Aspire** from the available services.
2. If not selected automatically, select the Zookeeper service to use.
3. Select the hosts where Aspire Server will be installed.



### Step 3b. Configure Aspire

1. Common settings
  - **Aspire Version:** The Aspire version
  - **Maven username:** Enter the username of the maven account
  - **Maven password:** Enter the password of the maven account
2. No SQL settings. The provider is the repository used by the different Aspire components to store any required data used by their processes.
  - a. **DB provider implementation:** Select the implementation of the no SQL db provider to use. There are two supported implementations Mongo and HBase.
3. HBase settings, these will be ignored if the provider is not HBase. For more details about how these properties work check the HBase provider [documentation](#)
  - **HBase Properties:** Specify the required Hbase properties to use in the format: NAME: VALUE. Use these only if the Hadoop configuration files are not available to use or if any additional properties besides the included in the files are required
  - **HBase config path:** The path of the directory that contains the HBase config files. The required files are the hbase-site.xml and the hdfs-site.xml/core-site.xml files. If not used add any required properties in the **HBase Properties** field to add any required configuration property (ex: hbase.zookeeper.quorum)
  - **HBase Kerberos User:** The HBase principal to use with Kerberos. Configure only if Kerberos authentication is used.
  - **HBase Kerberos Keytab:** The HBase keytab to use with Kerberos. Configure only if Kerberos authentication is used.



- | Authentication Type |  |
|---------------------|--|
| authentication_type | <div> <div> <div></div> <div>LDAP</div> </div> <div> <div></div> <div>None</div> </div> </div> |

<div> <div>LDAP Server</div> <div>ldap_server</div> </div>	<div> <div>Active Server Default Group</div> <div>ldap://dc=ldap,dc=10</div> </div>	<div></div>
<div> <div>LDAP Administrator</div> <div>ldap_administrator</div> </div>	<div> <div>Active Server Default Group</div> <div> <div> <div></div> <div>ldap</div> </div> <div> <div></div> <div>dc=ldap,dc=10</div> </div> </div> </div>	<div></div>
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<div> <div>LDAP Administrator User DN</div> <div>ldap_administrator_dn</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>
<div> <div>LDAP Administrator Group DN</div> <div>ldap_administrator_group_dn</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>
<div> <div>LDAP Read/Write User DN</div> <div>ldap_readwrite_user_dn</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>
<div> <div>LDAP Read/Write Group DN</div> <div>ldap_readwrite_group_dn</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>

<div> <div>LDAP Groups Host Windows</div> <div>ldap_groups_host_windows</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>
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<div> <div>LDAP Member Attribute</div> <div>ldap_member_attribute</div> </div>	<div> <div>Active Server Default Group</div> <div>member</div> </div>	<div></div>

<div> <div>System Properties</div> <div>system_properties</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>
<div> <div>Bundle Variables</div> <div>bundle_variables</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>

<div> <div>Assigned Role Properties</div> <div>role_properties</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>
<div> <div>Extra System Postings</div> <div>extra_system_postings</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>
<div> <div>Start Integration Postings</div> <div>start_integration</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>

<div> <div>Initial Memory</div> <div>initial_memory</div> </div>	<div> <div>Active Server Default Group</div> <div>10</div> </div>	<div></div>
<div> <div>Maximum Memory</div> <div>maximum_memory</div> </div>	<div> <div>Active Server Default Group</div> <div>70</div> </div>	<div></div>
<div> <div>Maximum Watchdog</div> <div>maximum_watchdog</div> </div>	<div> <div>Active Server Default Group</div> <div>20000</div> </div>	<div></div>
<div> <div>JVM Additional Options</div> <div>jvm_additional_options</div> </div>	<div> <div>Active Server Default Group</div> <div></div> </div>	<div></div>

Continue to the next tab on the wizard and wait for Aspire to start running, after that installation process is done.

[illegible]

## Step 4. Check the newly installed service

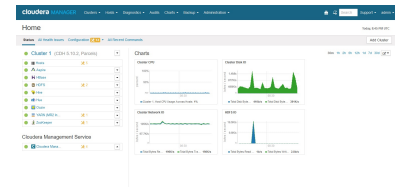
On the cluster, you can check that Aspire is listed along the other services.

If you click on the service you will see multiple tabs, with the following being relevant:

- **Status:** Here you can check the health of the service and its instances.
- **Instances:** You can check and manage the instances where the service is instances.
- **Configuration:** Tab to make changes to the configuration of the service, any change made will be deployed to all Aspire instances when the service is restarted.
- **Commands:** It shows the history of command executed on the service.

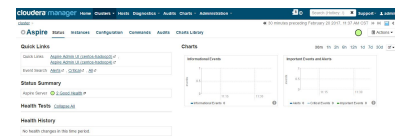


If you click on an specific instance in the instances tab you will see the same tabs mentioned before, but only with information related to the selected instance, any configuration changes made here will only apply to that instance instead of all instances of the service.



The screenshot shows the 'Rule Instances' page in the Cloudify dashboard. It has a top navigation bar with links to Home, Clusters, Nodes, Services, and Settings. Below the navigation bar, there's a 'Rule Instances' section with a 'Rules' tab selected. This tab displays a table of rule instances. The table has columns for 'Name', 'Status', 'Type', 'Group', and 'Action'. There are also some filters and a 'Refresh' button.

Name	Status	Type	Group	Action
rule_instance_1	Running	Rule	Group 1	Action 1
rule_instance_2	Running	Rule	Group 2	Action 2
rule_instance_3	Running	Rule	Group 3	Action 3
rule_instance_4	Running	Rule	Group 4	Action 4
rule_instance_5	Running	Rule	Group 5	Action 5



The screenshot shows the 'Configuration' page in the Cloudify dashboard. It has a top navigation bar with links to Home, Clusters, Nodes, Services, and Settings. Below the navigation bar, there's a 'Configuration' section with a 'Configuration' tab selected. This tab displays a table of configuration items. The table has columns for 'Name', 'Property', 'Value', and 'Description'. There are also some filters and a 'Refresh' button.

Name	Property	Value	Description
Aspire Service	Aspire Service	1.0	The Aspire Service
Aspire Service	Aspire Service	1.0	The Aspire Service
Aspire Service	Aspire Service	1.0	The Aspire Service
Aspire Service	Aspire Service	1.0	The Aspire Service
Aspire Service	Aspire Service	1.0	The Aspire Service

The screenshot shows the 'Running Commands' page in the Cloudify dashboard. It has a top navigation bar with links to Home, Clusters, Nodes, Services, and Settings. Below the navigation bar, there's a 'Running Commands' section with a 'Running Commands' tab selected. This tab displays a table of running commands. The table has columns for 'Command', 'Status', 'Started At', and 'Ended At'. There are also some filters and a 'Refresh' button.

Command	Status	Started At	Ended At
Run Command	Running	2017-10-10 10:10:10	2017-10-10 10:10:10
Run Command	Running	2017-10-10 10:10:10	2017-10-10 10:10:10
Run Command	Running	2017-10-10 10:10:10	2017-10-10 10:10:10
Run Command	Running	2017-10-10 10:10:10	2017-10-10 10:10:10
Run Command	Running	2017-10-10 10:10:10	2017-10-10 10:10:10