



ANACONDA[®]

FOR CLUSTER MANAGEMENT

CHEAT SHEET

See full cluster management documentation for Anaconda:

<http://docs.continuum.io/anaconda-cluster>

TIP: Get help for any command with
`acluster commandname --help`

QUICK INSTALL

1. Install client for Anaconda Cloud	<code>conda install anaconda-client</code>
2. Login to your existing Anaconda Cloud account	<code>anaconda login</code>
3. Install Anaconda cluster on your local machine	<code>conda install anaconda-cluster -c anaconda-cluster</code>
4. Initialize Anaconda Cluster	<code>acluster</code>

CREATE A CLUSTER

1. Edit the providers file	<code>~/.acluster/providers.yaml</code>
2. Create and edit a profile file	<code>~/.acluster/profiles.d/profile_name.yaml</code>
3. Create a cluster	<code>acluster create cluster_name -p profile_name</code>

* View sample profiles in the `~/.acluster/profiles.d/` directory on your local machine, and edit.

CLUSTER COMMANDS

Run a command on the cluster	<code>acluster cmd</code>
Execute remote conda commands on the cluster	<code>acluster conda</code>
Create a cluster	<code>acluster create</code>
Destroy a cluster	<code>acluster destroy</code>
Execute a Salt module on the cluster	<code>acluster function</code>
Download a file from the cluster	<code>acluster get</code>
Display the most recently executed commands	<code>acluster history</code>
Information about the cluster client installation	<code>acluster info</code>
Install plugin(s) on the cluster	<code>acluster install</code>
List clusters, profiles, or providers	<code>acluster list</code>
Open the UI for a plugin in a browser	<code>acluster open</code>
Default provisioning of a cluster	<code>acluster provision</code>
Upload a file to the cluster	<code>acluster put</code>
Restart a plugin or service on the cluster	<code>acluster restart</code>
SSH into the cluster nodes	<code>acluster ssh</code>
Get the status of a plugin or service on the cluster	<code>acluster status</code>
Stop a plugin or service on the cluster	<code>acluster stop</code>
Upload and execute a script on the cluster	<code>acluster submit</code>
Sync formulas with the cluster	<code>acluster sync</code>

CLUSTER REMOTE CONDA COMMANDS

List conda packages installed on the cluster	<code>acluster conda list</code>
Install conda package(s) on the cluster	<code>acluster conda install</code>
Update conda package(s) on the cluster	<code>acluster conda update</code>
Remove conda package(s) on the cluster	<code>acluster conda remove</code>
Create a new conda environment on the cluster	<code>acluster conda create</code>
Push a local conda environment to the cluster	<code>acluster conda push</code>
Display information about the conda installation on the cluster	<code>acluster conda info</code>
Set the default conda environment on the cluster	<code>acluster conda setenv</code>
Get the default conda environment on the cluster	<code>acluster conda defaultenv</code>

EXAMPLE REMOTE CONDA COMMANDS

Install conda packages on the cluster	<code>acluster conda install numpy scipy pandas numba</code>
Show conda environments on the cluster	<code>acluster conda info -e</code>
List conda packages installed on the cluster	<code>acluster conda list</code>
Push a local conda environment to the cluster	<code>acluster conda push environment.yml</code>
Create a new conda environment on the cluster	<code>acluster conda create -n py34 python=3.4 pandas</code>
Set the default conda environment on the cluster	<code>acluster conda setenv py34</code>

EXAMPLE CLUSTER COMMANDS

Create a new cluster	<code>acluster create cluster_name -p profile_name</code>
List running clusters	<code>acluster list</code>
Install plugins on the cluster	<code>acluster install spark-yarn notebook</code>
SSH into the head node of the cluster	<code>acluster ssh</code>
Upload a file to all of the cluster nodes	<code>acluster put data.hdf5 /home/ubuntu/data.hdf5 -a</code>
Run a command on all of the cluster nodes	<code>acluster cmd 'sudo apt-get install ...'</code>
Upload and execute a script on the cluster	<code>acluster submit spark_script.py</code>

MORE RESOURCES

Support	http://bit.ly/anacondasupport
Training	http://bit.ly/continuumtraining
Consulting	http://bit.ly/continuumconsulting

Join the [#AnacondaCrew!](#)

Connect with other talented, like-minded data scientists and developers while contributing to the open source movement. <https://continuum.io/community>