
Welcome to Pivotal Command Center

Pivotal Command Center provides a visual management console that helps administrators monitor cluster performance and track Hadoop job execution.

About Pivotal, Inc.

Greenplum is currently transitioning to a new corporate identity (Pivotal, Inc.). We estimate that this transition will be completed in 2013. During this transition, there will be some legacy instances of our former corporate identity (Greenplum) appearing in our products and documentation. If you have any questions or concerns, please do not hesitate to contact us through our web site:

<http://gopivotal.com/about-pivotal/support>.

About Pivotal Command Center 2.0

Pivotal Command Center (PCC) 2.0 is a multi-tier graphical web application that allows you to monitor and manage your Pivotal HD 1.0.x clusters. PCC enables administrators to view aggregated and non-aggregated system metrics data as well as Hadoop specific metrics for a selected cluster. Users are also able analyze and gain insights on their cluster by drilling down into specific services or categories of nodes. Metrics are provided on how a cluster is performing in real-time and trending over time.

Pivotal Command Center 2.0.x also provides detailed monitoring capabilities for MapReduce Jobs as well as information on specific jobs and tasks. YARN (MapReduce 2.0) applications can also be monitored and basic monitoring of running HAWQ queries are shown if HAWQ is installed on the cluster.

HAWQ is a parallel SQL query engine that combines the merits of the Greenplum Database Massively Parallel Processing (MPP) relational database engine and the Hadoop parallel processing framework.

Please refer to the following sections for more information about this release.

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What's New in this Release

Pivotal Command Center 2.0.3

Command Center 2.0.3 is a maintenance release consisting of minor bug fixes and performance and functionality improvements.

Pivotal Command Center 2.0.2

Command Center 2.0.2 was a maintenance release consisting of minor bug fixes and performance and functionality improvements.

- Pivotal Command Center now uses HTTPS to secure data transmission between the client browser and server. By default, the install script will generate a self signed certificate. Alternatively, you can provide your own Certificate and Key. If you would like to provide your own certificate, instructions are provided in the latest *Pivotal Command Center Installation and User Guide*.
- Pivotal Command Center now supports HBASE, HIVE, ZOOKEEPER start/stop actions.
- Pivotal Command Center now allows you to kill a running job.

Pivotal Command Center 2.0.1

Pivotal Command Center 2.0.1 was the first version of an overhauled Greenplum Command Center product. Written using Ruby on Rails, it utilizes improved web interface artifacts to provide a modern interface to managing and monitoring your Pivotal HD clusters.

Pivotal Command Center also includes Pivotal HD Manager, the Pivotal HD component that allows you to install, configure, monitor and manage the cluster. It is installed automatically with Pivotal Command Center. See the *Pivotal Command Center 2.0 Installation and User Guide* for details on installing Pivotal Command Center; see the *Pivotal HD Enterprise 1.0 Installation and Administrator Guide* for details on installing Pivotal HD 1.0.

Written using Ruby on Rails and front-end technologies such as HTML, JavaScript, CSS, and SVG. Most modern browsers will support rendering of Pivotal Command Center.

The following new functionality was introduced in the 2.0.1 release:

- Seamless installation of Command Center and Pivotal HD Manager through a unified installer.
- Multiple Cluster monitoring and management.
- Performance monitoring of HD services, categories, and individual nodes through cluster analysis.
- MapReduce Job Monitoring and Job details.
- YARN Application Monitoring.
- HAWQ Queries (if applicable).

Requirements

- Java: Oracle JDK is required to be installed prior to a cluster installation. This step is including in the installation process described in the *Pivotal HD Enterprise 1.0 Installation and Administrator Guide*.

Note that Oracle JDK 1.6 has been tested with PCC 2.0.x. Oracle JDK 1.7 is optional, but not fully tested at this time. Customers may use JDK 1.7, but will not receive official support.

Resolved Issues in Pivotal Command Center

This section lists issues that have been resolved in Pivotal Command Center since release 2.0.

Note: For resolved issues relating to the installation and any non-UI functionality of Command Center, see the Pivotal HD Release Notes.

Table 1 Resolved Issues in Pivotal Command Center 2.0.x

Issue	Resolved In	Description
GPCC-256	PCC 2.0.2	Command Center Yarn Monitor page: If you clicked on a "Pending" application, you got a "GPHD Manager is down" error message. Once the status of the application changes to "Running", you were able to click on it without an error message being displayed.
GPCC-252	PCC 2.0.2	Command Center status page: If the status of a cluster was anything other than 'started' (including blank), the cluster name was grayed out/disabled and you could not click on the cluster name to navigate to information about that cluster.
GPCC-190	GPCC 2.0.1	Quick, successive selections/clicks in the Command Center UI was slowing performance.
HD-2476	GPCC 2.0.1	Utilization, job status, and namenode trends returned incorrect start and end times. The calculation for the end time was sometimes wrong by one interval slot.

Known Issues in Pivotal Command Center

This section lists the known issues in Pivotal Command Center 2.0.3. A work-around is provided where applicable.

Note: For known issues relating to the installation and any non-UI functionality of Command Center, see the Pivotal HD Release Notes

Table 2 All Known Issues in Pivotal Command Center

Issue	Description
HD-6715	After you upgrade PCC to 2.0.3, you are unable to start/stop clusters with invalid hostnames. This is because there is now a check for invalid characters in cluster names. Workaround: Reconfigure the cluster with a different, valid name, then restart the cluster.
N/A	Pivotal Command Center 2.0.n only supports Pivotal HD 1.0.n. It does not support Greenplum HD.
N/A	Pivotal Command Center and Pivotal HD must have the same OS.
N/A	Pivotal Command Center hostnames can only contain lower case letters.
GPCC-269	HBASE did not start after user stop/start HDFS and YARN.
N/A	<code>bundle: command not found</code> error message appears after attempting to run the install script. Workaround: Check if <code>/usr/local/bin/bundle</code> exists, if it doesn't, build it by running the following command: <code>gem install bundler</code>
GPCC-270	Upgraded Command Center not showing graphs for CPU, Network Bandwidth. Workaround: Change the <code>port</code> value in the <code>nmon-site.xml</code> file to 10432: <pre><uri> <value>localhost:10432</value> <description>The ip:port for contacting the database</description> </uri></pre>

Versioning and Compatibility

Table 3 Pivotal Versioning and Compatibility Matrix

Product		Version	OS/Browser
Pivotal HD		1.0.3	RedHat 64-bit: 6.2, 6.4 CentOS 64-bit: 6.2, 6.4
Pivotal Command Center		2.0.3	RedHat 64-bit: 6.2, 6.4 CentOS 64-bit: 6.2, 6.4 Firefox 21, 22 Chrome Version 28.0.1500.95 IE 9, 10
Pivotal DataLoader		2.0.3	RedHat 64-bit: 6.2, 6.4 CentOS 64-bit: 6.2, 6.4
Pivotal USS		0.4	N/A
Pivotal ADS 1.1.2	HAWQ	1.1.2	RedHat 64-bit: 6.2, 6.4 CentOS 64-bit: 6.2, 6.4
	PXF	2.0.3	RedHat 64-bit: 6.2, 6.4 CentOS 64-bit: 6.2, 6.4

Pivotal Command Center Documentation

The following Pivotal Command Center and related documentation is available in PDF format on our website at www.gopivotal.com.

Additionally, you can still access product documentation from EMC's [Support Zone](#):

Table 4 Pivotal Command Center 2.0.2 and Related Documentation

Title	Revision
Pivotal Command Center 2.0.3 Release Notes (this document)	A01
Pivotal Command Center 2.0 User Guide	A01
Pivotal HD Enterprise 1.0 Installation and Administrator Guide	A07
Pivotal HD DataLoader 2.0 Installation and User Guide	A04
Pivotal HD Stack and Tool Reference Guide	A05
Pivotal ADS 1.2 Administrator Guide	A05
Pivotal HAWQ 1.1 Installation Guide	A08

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