
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 2.1

Pivotal Command Center (PCC) 2.1 is a multi-tier graphical web application that allows you to monitor and manage your Pivotal HD 1.1 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 2.1 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 2.1

Command Center 2.1 includes new and improved features, bug fixes and performance and functionality improvements since the 2.0.1 release.

- New Cluster Deployment wizard. Pivotal Command Center UI now includes a Cluster Deployment Wizard with which you can configure and deploy a cluster.
- 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 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 web services API has been documented/ refreshed to be more developer friendly.
- Vaidya report is now accessible directly via the Pivotal Command Center UI.

Requirements

See the *Pivotal Command Center 2.1 User Guide* for complete list of requirements.

There are no new requirements associated with this release.

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 2.1

Issue	Description
GPCC-256	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	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	Quick, successive selections/clicks in the Command Center UI was slowing performance.
HD-2476	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 2.1. 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
CC-3083	Command Center does not show any data for graphs related to datanode due to hostname mismatch. Workaround: Change <code>/etc/sysconfig/network</code> on all cluster nodes to use Fully Qualified Domain Names (FQDN).
CC-3185	Command Center UI displays incorrect status during HA failover.
CC-3184	When a user uninstalls a cluster, the Command Center UI will falsely show a message that says GPHD Manager is down if the uninstall process takes longer than 60 seconds.
CC-1989	Upgraded Command Center is not displaying some metrics graphs. Workaround: Check the status of <code>nmon</code> : # <code>service nmon status</code> If the status anything other than <code>running</code> , stop and restart <code>nmon</code> as follows: # <code>service nmon stop</code> # <code>service nmon start</code>
HD-6715	After you upgrading PCC, 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 2.1.n only supports Pivotal HD 1.1.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.
CC-1972	HBASE did not start after user stop/start HDFS and YARN. This is expected behavior, in this case, HBASE requires a manual restart.
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>

Versioning and Compatibility

Table 3 Pivotal Versioning and Compatibility Matrix

Product		Version	OS/Browser
Pivotal HD		1.1	RedHat 64-bit: 6.2, 6.4 CentOS 64-bit: 6.2, 6.4
Pivotal Command Center		2.1	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		2.0.4	RedHat 64-bit: 6.2, 6.4 CentOS 64-bit: 6.2, 6.4
Pivotal USS		0.5	N/A
Pivotal ADS 1.1.3	HAWQ	1.1.3	RedHat 64-bit: 6.2, 6.4 CentOS 64-bit: 6.2, 6.4
	PXF	2.1.0	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 2.1 and Related Documentation

Title	Revision
Pivotal Command Center 2.1 Release Notes (this document)	A01
Pivotal Command Center 2.1 User Guide	A01
Pivotal HD Enterprise 1.1 Installation and Administrator Guide	A01
Pivotal HD DataLoader 2.0 Installation and User Guide	A05
Pivotal HD 1.1 Stack and Tool Reference Guide	A01
Pivotal ADS 1.1 Administrator Guide	A06
Pivotal HAWQ 1.1 Installation Guide	A09

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