Pivotal Command Center 2.3.0 Release Notes

Rev: A02

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Contents

> **Note:** This document only provides information about issues and features related to Pivotal Command Center's UI functionality.
>
> For release information for other PHD Enterprise components, see the *PHD 2.1.0 Release Notes.*

What's New

As well as general performance enhancements and bug fixes, this release includes the following new features and functionality:
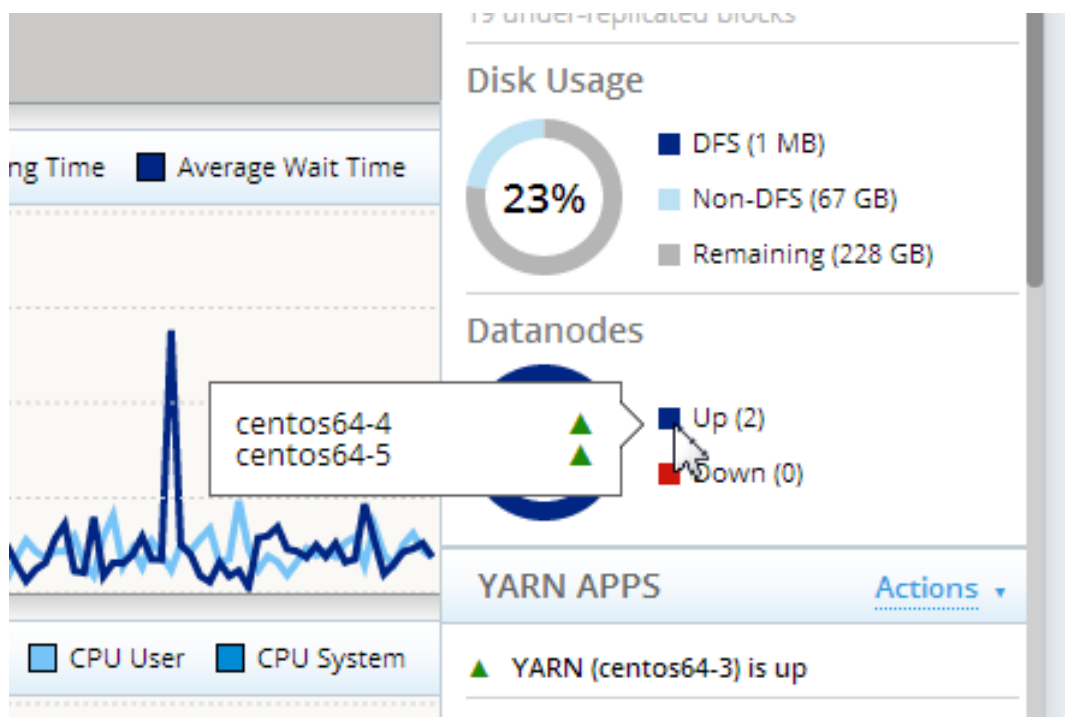
Installation

During installation, you are now prompted to optionally specify a customer home directory for `gpadmin`.

Dashboard

You can now hover over roles on the Dashboard and view a list of relevant nodes, along with their status. (CC-3580)

For example in this cluster there are two datanodes, **centos64-4** and **centos64-5**, both have a status of **up** (running).

The right status pane now also displays what the host name for each role, appearing in parenthesis after the role name. For example, in the above screenshot, the hostname for YARN role is **centos64-3**.

Cluster Analysis

The Cluster Analysis screen now displays a new panel that for each service displays the status of each role. (CC-3741)

This panel displays all services and roles defined for the selected node.

For each service, you can see the status of each role, and you can use the **Actions** dropdown menu to stop/start a specific role.

Improved Logging Functionality

You can now view logs on the Administration Node. To filter for these log files, either select the Admin Node's hostname when filtering by host, or select `gphdmgr-webservices` when filtering by role. (CC-3753)

Topology

Adding / Removing Slaves:

- When adding slaves via the Topology screen, you have the option to start services automatically.
- When removing slaves via the Topology screen, services will automatically be stopped prior to removal.

Component Information:

A new Component Information panel on the Topology screen displays names and versions of all the components of your PHD installation:

COMPONENT INFORMATION	
PHD-2.1.0.0-175	

Component	Version
hadoop	2.2.0_gphd_3_1_0_0-1
hbase	0.96.0_gphd_3_1_0_0-
hive	0.12.0_gphd_3_1_0_0-
mahout	0.7_gphd_3_1_0_0-17!
zookeeper	3.4.5_gphd_3_1_0_0-1

PADS-1.2.1.0-9932	

Component	Version
pxf	2.3.0.0-9932
hawq	1.2.1.0-9932

PXF

When deploying a cluster via PCC, you can now specify a host for PXF

GFXD

When deploying a cluster via PCC, you can now specify a host for GFXD (Gemfire XD).

Online Documentation

You can now access PCC documentation, as well as that of all Pivotal products, via the **Settings** menu.

LDAP

You can now configure PCC to use and existing LDAP server for user authentication. Once configured, LDAP users can use their LDAP credentials to log in to PCC.

Further details are provided in the *Pivotal Command Center 2.3 User Guide*.

Resolved Issues

This section lists issues that have been resolved in Pivotal Command Center 2.3.0.

Note: For resolved issues relating to the installation and any non-UI functionality of Command Center, see the *Pivotal HD 2.1.0 Release Notes*.

Issue	Fixed in	Description
HD-9474 / HD-9410	PCC 2.3	PCC had the following known limitations when monitoring a secure cluster (where kerberos authentication is enabled): HD-9474: Unable to display Hive Metastore status HD-9410: Unable to perform HDFS re-balancing
CC-3420	PCC 2.3	If the user did not define a secondary namenode during installation, an empty xml tag was added to the configuration file.
CC-3553	PCC 2.3	As the `gpadmin` user; you were able to remove admin privileges for yourself.
HD-9912	PCC 2.3	Apache issue: Write pipeline recover for the last packet in the block may cause rejection of valid replicas.Fixed by Apache patch *https://issues. apache.org/jira/browse/HDFS-5557*

Known Issues

This section lists the known issues in Pivotal Command Center 2.3.0. 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*.

Issue	Description
CC-3945	On heavily-loaded, large clusters with multiple jobs running over an extended period of time, PCC UI and PHDMgr service may become unresponsive. **Workaround:** As `root` on PCC admin node, restart the commander service by running `service commander restart`. The cluster services (hadoop, HAWQ etc) doc not need to be stopped or restarted.
CC-3494	Install/Upgrades: If the RHEL ssl certificate for subscription-manager plugin has expired, yum will fail. **Workaround**: If `yum -list` reports an error on any of the cluster nodes then check the yum configurations files, `/etc/yum.repos.d/` and make sure all remote repositories are DNS resolvable.
CC-3339	The ability to start/stop HAWQ via the PCC UI is non-functional. **Workaround:** Use the PCC CLI to start / stop HAWQ. See the *Pivotal HD Installation and Administrator Guide* for specific commands.
HD-8493	Unable to configure cluster if the root password contains certain special characters, for example: $
CC-3305	If a running job is killed, the PCC UI MapReduce Slot Utilization Graph shows incorrect information.

Issue	Description
CC-3083	Command Center does not show any data for graphs related to DataNode due to hostname mismatch. **Workaround:** Change `/etc/sysconfig/network` on all cluster nodes to use Fully Qualified Domain Names (FQDN).
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.
CC-3564	Pivotal Command Center and Pivotal HD must have the same OS.
CC-3501	Pivotal Command Center hostnames can only contain lower case letters.

Versioning and Compatibility

Product	Version	OS/Browser
Pivotal HD	2.1.0	RedHat 64-bit: 6.4, 6.5 CentOS 64-bit: 6.4, 6.5
Pivotal Command Center	2.3.0	RedHat 64-bit: 6.4, 6.5 CentOS 64-bit: 6.4, 6.5 Firefox 21, 22 Chrome Version 28.0.1500.95 IE 9, 10
HAWQ *	1.2.1	RedHat 64-bit: 6.4, 6.5 CentOS 64-bit: 6.4, 6.5
PXF *	2.3	RedHat 64-bit: 6.4, 6.5 CentOS 64-bit: 6.4, 6.5

* Distributed with Pivotal ADS 1.2.1

Documentation

Documentation for all releases of Pivotal Command Center and related products is available in PDF and HTML format on our website at *http://pivotalhd.docs.pivotal.io/*.

In addition, you can still access previous versions of Pivotal Command Center product documentation from the EMC support site at *https://support.emc.com/*.