Teradata® Vantage 1.0 Maintenance Update 2 Change Summary

Change Summary: Vantage 1.0 Maintenance Update 2

Release Date: 1/28/2019

Fixed Issues

Issue ID	Change Summary Description
UDAPP-7288	Fixed dictionary-service restart issue
UDAPP-7229	Updated Teradata Datatools version to fix parsing issue
UDAPP-7176	Upgraded Prometheus to 2.4.3 version. Updated all the associated alert rules managed by appcenter to the new format
UDAPP-7172	Updated app-base-container and Java SDK to use OpenJDK
UDAPP-7171	Updated logging-service to use OpenJDK
UDAPP-7170	Updated job-service to use OpenJDK
UDAPP-7169	Updated app-service to use OpenJDK
UDAPP-7158	Updated to consul 1.3.0 and added rook ceph storage
UDAPP-7156	Upgraded Prometheus to 2.4.3 version. Updated all the associated alert rules managed by appcenter to the new format
UDAPP-7128	Updated appctl to pick the right image
UDAPP-7086	Fixed Grafana metrics issue
TOOL-4295	add_qgm_to_viewpoint role is removing and installing the QGM host location from Viewpoint (via rest API)
SQLE-12	OpenJDK support for Teradata database
SM-26910	OpenJDK Support in CMIC
QUERYGRID-9099	Teradata: memory depletion on Teradata actmain process running high volume of queries
QUERYGRID-9055	Fabric: Support for Zulu OpenJDK from Azul
QUERYGRID-7623	QGM: Support for Zulu OpenJDK from Azul
MLE-818	Added two new properties - "Connection Max Idle Time" and "Connection Evict Frequency", to MLE QueryGrid Connector. These can be accessed from the QueryGrid configuration pages in ViewPoint.
MLE-286	Fixed race condition in automatic user provisioning in ML engine.
MLE-272	Improved collection and accuracy of query statistics.
MLE-203	MLE now upgraded to use openJDK.
MLE-54	Improved collection and accuracy of query statistics.
ANLY-7310	The mapping for DecisionTree has been corrected.
ANLY-7309	KMeansPlot has been renamed KMeansPredict
ANLY-6851	To optimize parallel execution with KNN, set ForceMapReduce to True and use the new argument PartitionColumn to specify a column with a unique value for each row.

Known Issues

Issue ID	Change Summary Description and Workaround
MLE-1899	Execution of analytics-platform-install.rpm on TPA nodes in Vantage fails in the script /opt/teradata/InstallAsterUDF/install.bteq if the password for the dbc account is set to a non-default value. WORKAROUND: Reset the password for the dbc user to the value "dbc" before running the rpm. Once the install has been completed, you should set the password for the user back to a more secure value.
MLE-2146	An intermittent error occurs when there is not enough system resource to read or write a file. WORKAROUND: Reissue the query at a later time.

Issue ID	Change Summary Description

OSEDEV-1882	Analytics nodes may hit an issue in which the kernel displays continuous messsages at the command line level regarding ***unregister_netdevice*** every 10 seconds. This issue may happen due to different reasons, some of them included here:
	  - Stop and restart of ML Engine when recovering from a pod crash.
	  - Stop and restart of ML Engine when scaling ML Engine pods up or down.
	  - When system is shut down during an emergency.
	  - When rebooting an analytics node, other analytics nodes may subsequently encounter OSEDEV-1882.
	WORKAROUND: Reboot the node as described in Scenario 1 below, but various scenarios could happen from rebooting the node:
	Scenario 1: (the best recovery scenario)
	  - Reboot the node
	  - For any pods not in the running state, ensure that pods are brought back to the running state (contact your Customer Support Representative)
	Scenario 2:
	  - The node rebooted never comes back up online (STACKI-883)
	  - A hard reset from SWS has to be done to shut down the node completely
	  - Node has to be powered on from SWS
	  - Verify that all pods are up and running. For any pods not in running state, recovery will have to take place (contact your Customer Support Representative)
	Scenario 3:
	  - The node rebooted comes back up fine, but another node hits OSEDEV-1882
	  - The new node with OSEDEV-1882 issue will have to be rebooted too
	  - The possibility of having another node hit OSEDEV-1882 because of the second node reboot exists
	  - Verify that all pods are up and running. For any pods not in running state, recovery will have to take place (contact your Customer Support Representative)

Issue ID	Change Summary Description

TOOL-4771	mle_ops playbook fails when running stop motion
	
	WORKAROUND: For stop Aster and start Aster, add the KUBECTL variable under the environment field. For example:
	
	- name: stop Aster
	 hosts: aster_local
	 vars_files:
	  - inventory/group_vars/startvars.yml
	 roles:
	  - { role: asterops, tags: [stop, restart], mode: stop }
	 environment:
	  - SECURITY_LEVEL: "{{security}}"
	  - KUBECTL: kubectl
	
	- name: start Aster
	 hosts: aster_local
	 vars_files:
	  - inventory/group_vars/startvars.yml
	 roles:
	  - { role: asterops, tags: [start, restart], mode: start }
	 environment:
	  - SECURITY_LEVEL: "{{security}}"
	  - KUBECTL: kubectl

Component Version Compatability

Component	Version
MLE	08.00.03.00-8965d85b
Vantage installer	1.0 MU2
QueryGrid	02.06.00.02
DBS/SQL Engine	16.20.27.01
TD OS and TD VMS OS	SLES11 SP3
KubeKit	1.2.4
K8S node OS	1.2.4
Bynet Driver	03.07,05,04
Vantage 1.0	MU1 pallet
Stacki	5.1 RC5
os-updates	SLES 12 SP2 and SLES 12 SP3
tdc-infrastructure	1.3.10
Advanced Analytics AF	08.00.02.00
Ecosystem Core Services	2.7.1
ViewPoint	16.20.23.02
AppCenter	1.5.2
DSA	16.20.25.00
Server Management & CMIC	13.00.01.00
TPA Node : Bynet	03.07.05.04
K8S Node : Bynet	03.07.05.04
TPE/K8S: BIOS	00.01.090.03-1