Aperi Phase 2
Integrated Development Verification Test Exit Document

Background

IDVT for Aperi, Phase 2, was performed from November 13, 2006 to January 10, 2007. The January 9, 2007 7:21 PM nightly Aperi build is the "Official IDVT Exit Build". Testing was done on Redhat Linux and various Windows platforms.

This report documents the following:

- Period of testing
- Scenarios tested
- Resulting defects
- Any known workarounds
- The final IDVT status before exit.

Acquiring and Installing the Build

This IDVT Exit build is labeled as aperi-20070108-190912.zip and can be downloaded from https://bvrgsa.ibm.com/projects/a/aperiinternal/builds/nightly/windows.

To install Aperi you must extract the zip file to a local directory and run the "cfgaperi" script. For complete instructions on installing and configuring Aperi, please refer to the following documents:

http://www.eclipse.org/aperi/documentation/install.html

- http://www.eclipse.org/aperi/documentation/install.html
- http://www.eclipse.org/aperi/documentation/userguide/aperiug.htm

Note: JRE 1.5 or greater is required to install and run Aperi

Test cases, defects, and status

The results and defects from the test cases were tracked in Bugzilla (Product: Technology - Aperi). For periodic statuses of IDVT, please refer to http://wiki.eclipse.org/index.php/Aperi/Test/Status.

The official document for the Aperi IDVT Test cases is located in the Aperi wiki, along with the Approval record for the test plan.

IDVT exit criteria called for 100% exposure of IDVT test scenarios. – **100% of the test cases were exposed, 98% of which were successful.**

Exit criteria also call for all test scenarios to pass without 'blocked', 'critical' or 'major' defects or with viable workarounds provided for any such defects. – **There were no 'blocked', 'critical', or 'major' severity defects at time of exit.**

The following scenarios did not pass:

- **Adding a CIMOM agent** – Defect 165532; normal severity, therefore not gating

Resulting IDVT defects at time of exit:

ID	Sev	Status	Resolution	Summary
159391	enh	RESO	INVA	Module name: Purchase, Deleted the package from Tariff bu...
164066	nor	RESO	DUPL	CIM Client Wrapper not complete...
164067	nor	RESO	FIXE	CIM Client Wrapper not complete...
164527	nor	CLOS	FIXE	Creating Filesystem Group involve incorrect error message
164698	min	VERI	FIXE	ERROR java.io.FileNotFoundException during Fabric probe
164729	maj	CLOS	WORK	batch reporting failed with "Agent could not be reached"
165250	cri	VERI	FIXE	Device service provider thread has died unexpectedly at t...
165532	nor	ASSI		Unable to add CIMOM agent requiring no id/pw
165545	maj	VERI	FIXE	After creating fabric alters, Data Server service will b...
165623	maj	VERI	FIXE	Batch Report on Availability got "no data to report"
165819	cri	VERI	FIXE	Topology & AttributePEOnly scanners were not started duri...
165996	nor	RESO	FIXE	Exception caught while trying to view Virtual Disks of a ...
166192	nor	NEW		CIM xml - communication should be traced into a single s...
166310	nor	VERI	FIXE	Aperi Install: config script cfgaperi is incorrect
166426	nor	VERI	FIXE	Aperi Install: remote agent does not show up
166429	nor	VERI	FIXE	Aperi Install: install aperi on Linux fails with aperi-sc...
166524	maj	VERI	FIXE	SQL error. Unable to prepare < with> statement when disp...
166533	maj	VERI	FIXE	When adding a NAS server , Error Unroutable sub-type

enco...

166820	nor	NEW		Removed Resource Retention Panel missing row for 'computer'
166823	nor	NEW		Dashboard Filesystem Used Space chart doesn't track LAF
166867	nor	NEW		Resource History Retention GUI defaults are wrong
166868	nor	NEW		History charts with a single point are skewed to the right
166869	enh	NEW		Storage Availability/Capacity and Total Freespace DAS only
166870	nor	NEW		Unexpected Non-Administrator Warning
166871	nor	NEW		File Count History Report in By Filesystem Report
166873	nor	NEW		Fabric Manager Reporting node empty - should be removed
166874	nor	CLOS	DUPL	Fabric Manager Reporting node empty - should be removed
166875	nor	CLOS	DUPL	Fabric Manager Reporting node empty - should be removed
166881	enh	NEW		Alert log node (and subnodes) can't be refereshed
166882	nor	NEW		Chart Customization Manager not initialized sometimes
166885	nor	NEW		Closing the report tab in a saved report causes exception
166886	nor	NEW		IDVT:Add NAS Server Dialog Cancel button does not work
166887	enh	NEW		Menu: Window->Show Dashboard should be grayed out if...
166888	enh	NEW		Disk Defect Report has extra column of blank buttons
166889	nor	NEW		Chart tabs in report views don't show tool tip w/title
167090	nor	NEW		cartridge location is sorted incorrectly
167091	nor	NEW		Type(s) in Storage Pool Panel Wrong for HP, EMC
167092	nor	NEW		TPC showing incorrect unused capacity for storage subsystem
167122	nor	NEW		Low performance off port-queries with Derby database
167168	maj	CLOS	FIXE	When login, got GUI0023M: Unable to connect to the server.
167175	maj	VERI	FIXE	The Aperi system will hung when removing CIMOM agent

167179	maj	VERI	FIXE	Unable to generate Fabric State Change alerts
167184	nor	RESO	FIXE	The Topo Viewer Computers:L2 view received a Derby SqlExc...
167249	nor	RESO	DUPL	DISK MANAGER SS REPORTING failed with SQL error: Unable ...
167261	nor	RESO	INVA	Storage Subsystem reports indicate "No data to report" wh...
167449	maj	RESO	INVA	Fabric> Port Connections Report gave Unknown Error-No rep...
167498	enh	NEW		ComboBox not applicable and need a clear definition what ...
167505	cri	RESO	FIXE	Zone Configuration is not working for Aperi 0.2 code
167517	nor	RESO	FIXE	Aperi GUI error when removing storage subsystem
167704	cri	VERI	FIXE	configuring with db2 hung with at least some statements f...
167716	nor	RESO	FIXE	Improve transaction management associated with ViewReport...
167776	cri	VERI	INVA	When adding a NAS server , LoginID and passwd fields do n...
167966	maj	RESO	FIXE	Unable to generate Storage Subsystem Not Found alert
167977	maj	RESO	FIXE	Creating volume using Storage Subsystem Create Volume Wiz...
168245	nor	ASSI		When adding a NAS server , if no NAS volume mounted, erro...
168277	maj	RESO	FIXE	Running remote scripts on a Data Agent fails
168587	cri	RESO	FIXE	Unable to add/delete/update zone/zoneset through fabric m...
169456	maj	NEW		User documentation not well-formed...
169478	min	RESO	FIXE	Lingering 'detector' code needs to be removed
169481	maj	RESO	FIXE	Unable to generate Endpoint State Change alerts
169490	maj	RESO	INVA	Unable to delete a volume from Storage Subsystem
169541	maj	CLOS	FIXE	DiskManager UI not usable for SVC VDisks

169558	nor	RESO	FIXE	Alert ID associated with CIMOM discovery T_SCHEDULE entry...
169607	maj	RESO	LATE	Failed to discover a DS8000 storage subsystem
170024	maj	RESO	FIXE	SqlException: Column 'ENTITY_TO_PORT.ZONE_ID' when displa...
170029	nor	NEW		No zone/zoneset related zone alerts generated when deleti...
170138	nor	ASSI		Unable to delete vdisk from a SVC Cimom
170147	nor	NEW		Duplicate zone related alerts generated
170151	nor	NEW		No Managed-disks showed up in Create Virtual Disks Wizard...

Workarounds and Qualifications

The following workarounds can be used for IDVT defects that were still in "open" state at the time of exit:

- 166886   Add NAS Server Dialog Cancel button does not work – Although the cancel button does not work, you can get the same result by simply closing the window (pressing the 'X' button in the right hand corner of the window).

Other Know Issues

None