AdminCLI test specification for 9.1 (Glassfish V2)

Covered features
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References

			Connection pool enhancements		
Index	Priority	Test-Id	Testcase-Description		Sta
1	P2	lazy-connection-association	lazy-connection-association - create a jdbc connection pool - use asadmin set to set attr to true - use asadmin get to verify the attr is true - use asadmin set to set attr to false - use asadmin get to verify the attr is false - use asadmin set to set attr to "tRuE | FALsE" - verify the asadmin doesn't throw any error due to upper and lower case letters		
2	P2	lazy-connection-enlistment	lazy-connection-enlistment - create a jdbc connection pool - use asadmin set to set attr to true - use asadmin get to verify the attr is true - use asadmin set to set attr to false - use asadmin get to verify the attr is false - use asadmin set to set attr to "tRuE | FALsE" - verify the asadmin doesn't throw any error due to upper and lower case letters		
3	P2	associate-with-thread	associate-with-thread - create a jdbc connection pool - use asadmin set to set attr to true - use asadmin get to verify the attr is true - use asadmin set to set attr to false - use asadmin get to verify the attr is false - use asadmin set to set attr to "tRuE | FALsE" - verify the asadmin doesn't throw any error due to upper and lower case letters		
4	P2	match-connections	match-connections - create a jdbc connection pool - use asadmin set to set attr to true - use asadmin get to verify the attr is true - use asadmin set to set attr to false - use asadmin get to verify the attr is false - use asadmin set to set attr to "tRuE | FALsE" - verify the asadmin doesn't throw any error due to upper and lower case letters		
5	P2	allow-non-component-callers	allow-non-component-callers - create a jdbc connection pool - use asadmin set to set attr to true - use asadmin get to verify the attr is true - use asadmin set to set attr to false - use asadmin get to verify the attr is false - use asadmin set to set attr to "tRuE | FALsE" - verify the asadmin doesn't throw any error due to upper and lower case letters		
6	P2	connection-leak-timeout-in-seconds	connection-leak-timeout-in-seconds - create a jdbc connection pool - use asadmin set to set attr to some valid value - use asadmin get to verify the attr returned as set		

7	P2	connection-leak-reclaim	connection-leak-reclaim - create a jdbc connection pool - use asadmin set to set attr to true - use asadmin get to verify the attr is true - use asadmin set to set attr to false - use asadmin get to verify the attr is false - use asadmin set to set attr to "tRuE | FALsE" - verify the asadmin doesn't throw any error due to upper and lower case letters	
8	P2	connection-creation-retry-attempts	connection-creation-retry-attempts - create a jdbc connection pool - use asadmin set to set attr to some valid value - use asadmin get to verify the attr returned as set	
9	P2	connection-creation-retry-interval-in-seconds	connection-creation-retry-interval-in-seconds - create a jdbc connection pool - use asadmin set to set attr to some valid value - use asadmin get to verify the attr returned as set	
10	P2	is-connection-validation-required	is-connection-validation-required - create a jdbc connection pool - use asadmin set to set attr to true - use asadmin get to verify the attr is true - use asadmin set to set attr to false - use asadmin get to verify the attr is false - use asadmin set to set attr to "tRuE | FALsE" - verify the asadmin doesn't throw any error due to upper and lower case letters	
11	P2	validate-atmost-once-period-in-seconds	validate-atmost-once-period-in-seconds - create a jdbc connection pool - use asadmin set to set attr to some valid value - use asadmin get to verify the attr returned as set	
12	P2	statement-timeout-in-seconds	statement-timeout-in-seconds - create a jdbc connection pool - use asadmin set to set attr to some valid value - use asadmin get to verify the attr returned as set	
13	P2	max-connection-usage-count	max-connection-usage-count - create a jdbc connection pool - use asadmin set to set attr to some valid value - use asadmin get to verify the attr returned as set	
14	P2	wrap-jdbc-objects	wrap-jdbc-objects - create a jdbc connection pool - use asadmin set to set attr to true - use asadmin get to verify the attr is true - use asadmin set to set attr to false - use asadmin get to verify the attr is false - use asadmin set to set attr to "tRuE | FALsE" - verify the asadmin doesn't throw any error due to upper and lower case letters	

Portbase option for create-domain command				
Index	Priority	Test-Id	Testcase-Description	Sta
1	P2	portbase-option-1	- create-domain --user admin --port port_number **--portbase 9999** domain_name - verify all the ports picked are sums of 9999	
2	P3	portbase-option-2	- create-domain --user admin **--portbase 0** domain_name - verify default ports are picked	
3	P3	portbase-option-3	- create-domain --user admin **--portbase 65535** domain_name - verify the commad fails with "cannot assign port number" error	

4	P3	portbase-option-4	`create-domain --user admin --portbase 10000 domain_name1` `start-domain domain_name` `create-domain --user admin --portbase 10000 domain_name2` - verify the commad fails with "cannot assign port number" error	
5	P3	portbase-option-5	`create-domain --user admin --adminport port_number --portbase 10000 --domainproperties jms.port=8981:domain.jmxPort=9090 domain_name` `create-domain --user admin --port port_number --portbase 10000 domain_name` `create-domain --user admin --instanceport port_number --portbase 10000 domain_name` - Verify the command fails printing the error message "options are mutually exclusive"	
6	P3	portbase-option-6	`create-domain --user admin --port port_number --portbase 10,000 --domainproperties orb.listener.port=99999 domain_name` - verify command fails with "invalid portbase" error	
7	P2	portbase-option-7	`create-domain --user admin --portbase 500 domain_name` - verify the command prints a warning message since the ports are under 1024	
8	P2	portbase-option-8	- run a sample program to use a particular port - create-domain with --portbase value that collides with used port for all ports - verify it throws error that the port is in use and command should fail.	
			start-node-agent command new option syncinstance	
1	P1	start-na-syncins1	`start domain / nodeagent / instances` `stop instances / nodeagents` `deploy a application` `start-node-agent --syncinstance=true` - verify the instances picks up the deployed application when it was down	
2	P2	start-na-syncins2	`start domain / nodeagent / instances` `stop instances / nodeagents` `deploy a application` `start-node-agent --syncinstance=false` - verify the instances doesn't picks up the deployed application when it was down	
3	P3	start-na-syncins3	`stop all the running instances` `start-node-agent --syncinstance=true --startinstances=false` - The nodeagent should start fine without starting the instances	
4	P1	start-na-syncins4	`start domain/nodeagent/instances` `deploy a application` `stop-node-agent` `start-node-agent --syncinstance=true` - verify the instances picks up the deployed application	
			Monitoring command "monitor" `monitor --type monitor_type [--user admin_user] [--port 4849] [--passwordfile file_name] [--host localhost] [--terse=false] [--echo=false interactive=true] [--secure|-s=true] [--filename filename] [--interval 30] [--filter name] server`	
1	P2	monitor-webmodule	`deploy a webmodule` `turn on monitoring` `asadmin monitor webmodule` `verify values matches with asadmin get --monitor command` `asadmin monitor --filename=file webmodule` `verify that the stats are exported in cvs format to the specified file`	
2	P2	monitor-httpservice	`turn on monitoring for httpservice` `asadmin monitor httpservice` - verify values matches with asadmin get --monitor command	

			• verify values matches with asadmin get --monitor command
			• asadmin monitor --filename=file httpservice
			• verify that the stats are exported in cvs format to the specified file
3	P2	monitor-jdbcpool	• create a jdbcconnectionpool • turn on monitoring for jdbc connectionpool • asadmin monitor jdbcconnectionpool • verify values matches with asadmin get --monitor command • asadmin monitor --filename=file jdbcconnectionpool • verify that the stats are exported in cvs format to the specified file
4	P2	monitor-ctrpool	• create a connectorconnectionpool • turn on monitoring for connector connection pool • asadmin monitor connectorconnectionpool • verify values matches with asadmin get --monitor command • asadmin monitor --filename=file connectorconnectionpool • verify that the stats are exported in cvs format to the specified file
5	P2	monitor-servlet	• deploy a webmodule containg a servlet • turn on monitoring • asadmin monitor servlet • verify values matches with asadmin get --monitor command • asadmin monitor --filename=file servletverify that the stats are exported in cvs format to the specified file
6		monitor-beanpool	• deploy a ejbmodule • turn on monitoring for ejb-container • asadmin monitor beanpool • verify values matches with asadmin get --monitor command • asadmin monitor --filename=file beanpool • verify that the stats are exported in cvs format to the specified file
7		monitor-beancache	• deploy a ejbmodule • turn on monitoring for ejb container • asadmin monitor beancache • verify values matches with asadmin get --monitor command • asadmin monitor --filename=file beancache • verify that the stats are exported in cvs format to the specified file
8		monitor-jvm	• turn on monitoring for jvm • asadmin monitor jvm • verify values matches with asadmin get --monitor command • asadmin monitor --filename=file jvm • verify that the stats are exported in cvs format to the specified file
9		monitor-txservice	• deploy a transactionservice application • turn on monitoring for transaction service • asadmin monitor transactionservice • verify values matches with asadmin get --monitor command • asadmin monitor --filename=file transactionservice • verify that the stats are exported in cvs format to the specified file
10		monitor-filters	• deploy a transactionservice application

			• turn on monitoring for transaction service • asadmin monitor transactionservice • asadmin monitor --filtername=activeids • verify report contain only activeids stats
11		monitor-cvsfile-relativepath	• deploy a transactionservice application • turn on monitoring for transaction service • asadmin monitor --filename=./file transactionservice • command should succeed by taking the relative path of the file
12		monitor-cvsfile-absolutepath	• deploy a transactionservice application • turn on monitoring for transaction service • asadmin monitor --filename=/file transactionservice • command should succeed by taking the absolute path of the file
13		monitor-nonexisting-filter	• deploy a transactionservice application • turn on monitoring for transaction service • asadmin monitor --filtername=non-existing transactionservice • command should fail with errror message that the filter cannot be found
14		monitor-nonexisting-element	• deploy a transactionservice application • turn on monitoring asadmin monitor non-existing • command should fail with errror message that the element cannot be found
		Exit Codes for start/stop commands	
1	P2	start-dom-exit-1	• start-domain domain1 • verify the exit code of the last start-domain command is 0 • start-domain domain1 • verify the exit code of the last start-domain command is 0
2		start-dom-exit-2	• start-domain non-existing • verify the exit code of the last start-domain command is 1
3		start-dom-exit-3	• create 2 domains with same port • start-domain domain1 • verify the exit code of the last start-domain command is 0 • start-domain domain2 • verify the exit code of the last start-domain command is 1
4		start-na-exit-1	• create-node-agent • start-node-agent • start-node-agent • verify the start-node-agent command was successfull and exit code is 0
5		start-na-exit-2	• create-node-agent by giving non existing DAS ports • start-node-agent • verify the start-node-agent command fails and exit code is 1
6		start-na-exit-3	• create-node-agent • create-instance 1 • create-instance 2 by giving the same port numbers • start-node-agent • verify the start-node-agent command fails and exit code is 1
7		start-ins-exit-1	• create-instance 1

7	start-ins-exit-1	• create-instance 1
		• start-instance 1
		• start-instance 1
		• verify the start-instance command succeeds and exit code is 0
8	start-ins-exit-2	• create-instance 1
		• create-instance 2 by giving the same port number as of instance 1
		• start-instance 1
		• start-instance 2
		• verify the last start-instance command fails and exit code is 1
9	start-ins-exit-3	• create-instance 1 with a not yet created nodeagent
		• start-instance 1
		• verify the start-instance command fails and exit code is 1
10	start-ins-exit-4	• start instance not existing and verify exit code is 1
11	start-ins-exit-4	• create-instance 1 with not running NA
		• start-instance 1
		• verify the start-instance command fails and exit code is 1
12	start-clu-exit-1	• create-cluster cluster1 and 2 instances in it
		• start-instance 1
		• start-instance 2
		• start-cluster cluster1
		• verify the start-cluster command succeeds and exit code is 0
13	start-clu-exit-2	• create-cluster cluster1 and 2 instances in it
		• start-cluster cluster1
		• start-cluster cluster1
		• verify the start-cluster command succeeds and exit code is 0
14	start-clu-exit-3	• create-cluster cluster1 and 2 instances in it
		• stop-node-agent na
		• start-cluster cluster1
		• verify the start-cluster command fails and exit code is 1
15	start-clu-exit-4	• create-cluster cluster1 and 2 instances in it with not yet created node agent
		• start-cluster cluster1
		• verify the start-cluster command fails and exit code is 1
16	start-clu-exit-5	• start-cluster non-existing
		• verify the command fails and exit code is 1
17		• start cluster not existing and verify exit code is 1
18	stop-dom-exit-1	• stop-domain domain1
		• verify the command succeeds and exit code is 0
19	stop-dom-exit-2	• stop-domain domain1
		• stop-domain domain1
		• verify the command succeeds and exit code is 0
20	stop-dom-exit-3	• stop-domain non-existing
		• verify the command fails and exit code is 1
21	stop-ins-exit-1	• stop-instance 1
		• verify the command succeeds and exit code is 0
22	stop-ins-exit-2	• stop-instance 1

			• stop-instance 1 • verify the command succeeds and exit code is 0
23		stop-ins-exit-3	• stop-instance non-existing • verify the command fails and exit code is 1
24		stop-ins-exit-4	• stop-instance 1 (which nodeagent not yet created) • verify the command fails and exit code is 1
25		stop-clu-exit-1	• stop-cluster cl1 • verify the command succeeds and exit code is 0
26		stop-clu-exit-2	• stop-cluster cl1 • stop-cluster cl1 • verify the command succeeds and exit code is 0
27		stop-clu-exit-3	• stop-cluster cl1 with no instances in it • verify the command fails and exit code is 1
28		stop-clu-exit-4	• stop-instance 1 • stop-instance 2 • stop-cluster cl1 • verify the command succeeds and exit code is 0
29		stop-clu-exit-5	• stop-node-agent • stop-cluster cl1 • verify the command fails and exit code is 1
30			• stop cluster not existing and verify exit code is 1
31		stop-na-exit-1	• stop-node-agent agent1 • verify the command succeeds and exit code is 0
32		stop-na-exit-2	• stop-node-agent agent1 • stop-node-agent agent1 • verify the command succeeds and exit code is 0
33		stop-na-exit-3	• stop-node-agent non-existing • verify the command fails and exit code is 1
Deprecation of --adminuser and --adminport options			
1	P3	deprecate-adminoptions-1	• create-domain --adminuser admin • verify command reports that this option is deprecated and creates • the domain successfully.
2	P1	deprecate-adminoptions-2	• create-domain --user admin • verify command succeeds.
3	P3	deprecate-adminoptions-4	• create-domain --adminuser admin --adminport 4848 --user admin1 • verify command reports that adminuser option is deprecated and uses --adminuser option value

4	P3	deprecate-adminoptions-5	• put AS_ADMIN_PASSWORD as well as
			  AS_ADMIN_ADMINPASSWORD nv pairs in a passwordfile
			• create-domain --adminuser admin --user admin1 --passwordfile passwordfile
			• verify command reports that these options are deprecated and uses
			  AS_ADMIN_ADMINPASSWORD for its admin password and --adminuser for adminuser

asadmin help			
1	P2	asadmin-help-keyword1	• asadmin help create • should display all the commands that has create token in their commands

| 2 | P3 | asadmin-help-keyword2 | • asadmin help non-existing-command

• verify that the command fails and reports that there is no subcommands | |
| 3 | P2 | asadmin-help-wildcard | • asadmin list*
• verify the asadmin prints all commands starting with list | |

Man pages for common options and concepts				
1		asadmin-manpage-com-op	• verify the man pages for common options like user port password etc.,	
2		asadmin-manpage-concepts	• verify the man pages for concepts like instance , cluster , domain	

usage texts				
1		asadmin-usage-1	verify the usage texts for commands . The usage text should contain required options first and optional options next	
2		asadmin-usage-2	asadmin create verify that the command create doesn't exist and it prints the following info message "Try using asadmin help create to find a list of commands having keyword create"	

Interactive commands				
1	P1	test-interactive	• asadmin list-components • should prompt for all the required options one by one	

Resource Templates				
1	P2	javadb-resource-create	• asadmin add-resources javadb_type4_datasource.xml • verify command successfully adds the resources • verify that the pool is functional by utilizing the pool	
2	P2	oracle-resource-create	• asadmin add-resources oracle_type4_datasource.xml • verify command successfully adds the resources • verify that the pool is functional by utilizing the pool	
3	P2	mysql-resource-create	• asadmin add-resources mysql_type4_datasource.xml • verify command successfully adds the resources • verify that the pool is functional by utilizing the pool	
4	P2	postgresql-resource-create	• asadmin add-resources postgresql_type4_datasource • verify command successfully adds the resources • verify that the pool is functional by utilizing the pool	
5	P3	add-resources-rel-path	• asadmin add-resources ./postgresql_type4_datasource • asadmin add-resources postgresql_type4_datasource • verify command successfully adds the resources	

Total tests

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References

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