

AdminCLI Test Specification for V3 Early Access Release

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1. Introduction

This AdminCLI QA one pager describes the testing activity for Glassfish admincli feature for V3 EA release. Details like commands to be tested, test scenarios, test deliverables, and schedules will be discussed in this document. Before the features testing begins the plan has to be approved by the respective engineers working in the admin component.

2. Commands to be tested

new commands for V3

create/delete/list-system-properties

create/list/update/delete-password alias

restart-domain

uptime

list-applications

list-containers

multimode

create-connector-work-security-map

create-message-security-provider

create/delete-resource-ref

get-host-and-port

list-app-refs ?

list-applications

list-commands

list-containers

list-modules

list-resource-refs

list-sub-components

login

change-admin-password

other commands supported in EA release

<http://wiki.glassfish.java.net/Wiki.jsp?page=GFv3FinalMS2#section-GFv3FinalMS2-CommandLineInterface>

For the remaining commands automated tests which was available in Glassfish V2.1 will be run to certify the release

3. Test Specification

create/list-delete-system-properties

1. verify the usage of create system properties command
2. verify without required parameters the create system properties command fails
3. verify with required parameters the create system properties command succeeds
4. verify with all parameters the create system properties command succeeds
5. create system properties command at instance level and verify it is used by the instance
6. create system properties command at jvm level and verify it is used by the instance
7. create system properties command at config level and verify it is used by the instance

8. create system properties command at domain level and verify it is used by the instance
9. create system properties command at all level and verify the server level properties takes the highest precedence , delete it and restart server and verify the jvm level properties takes precedence, delete it and verify the config level properties takes precedence, delete it and verify domain level properties takes precedence
10. verify the create-system-property manpage document
11. verify the delete-system-property command usage
12. verify without the required parameters the delete-system-property command fails
13. verify with required parameters the delete-system-property command succeeds
14. verify with all the parameters the delete-system-property command succeeds
15. verify the delete-system-property manpage document

16. verify the list-system-properties command usage
17. verify with all the target types the command works correctly
18. verify the list-system-properties manpage document

uptime command

1. verify the uptime command usage
2. verify the uptime command functionality

password alias commands

1. verify the create-password-alias command usage
2. verify without the required parameters the create-password-alias command fails
3. verify with the required parameters the create-password-alias command succeeds
4. verify with all parameters the create-password-alias command succeeds
5. verify the password alias works for all kinds of passwords in domain.xml
6. verify the create-password-alias command manpage doc

8. verify the list-password-aliases command usage
9. verify with the required parameters the create-password-alias command succeeds
10. verify with all parameters the create-password-alias command succeeds
11. verify the list password alias command lists aliases for all kinds of passwords in domain.xml
12. verify the list-password-aliases command manpage doc

13. verify the delete-password-alias command usage
14. verify without the required parameters the delete-password-alias command fails
15. verify with the required parameters the delete-password-alias command succeeds
16. verify with all parameters the delete-password-alias command succeeds
17. verify the delete-password-alias command manpage doc

restart-domain

1. verify the usage of restart-domain command
2. verify with the required parameters the command succeeds
3. verify the command fails when the domain is not running in default port 4848
4. verify the command blocks until the server is restarted
5. verify the command restarts a remote domain located in remote system
6. verify the command timesout after a certain period when domain cannot be successfully restarted and prints appropriate error message
7. verify the command manpage document

list-applications

1. verify the command usage
2. deploy all sorts of applications and verify the list-applications command shows all the apps
3. verify the command lists only relevant apps with --type parameter

list-containers

1. verify the command usage
2. verify the commands list all the containers in the server successfully.

multimode

1. verify command usage
2. enter in to multimode and execute commands and verify commands finish successfully
3. press ctrl+D and verify multimode exits gracefully.
4. pass the commands in a file with -f&--file option and verify all the commands are executed successfully.

create/list/delete-connector-work-security-map

1. verify the command usage
2. verify without required parameters the commands fails and prints usage
3. verify with required parameters the command completes successfully
4. verify with all the options the command successfully completes and entries are created in domain.xml

create-message-security-provider

1. verify the command usage
2. verify without required parameters the commands fails and prints usage
3. verify with required parameters the command completes successfully
4. verify with all the options the command successfully completes and entries are created in domain.xml

create/list/delete-resource-ref

1. verify the command usage
2. verify without required parameters the commands fails and prints usage
3. verify with required parameters the command completes successfully
4. verify with all the options the command successfully completes and entries are created in domain.xml

get-host-and-port

1. verify the command usage
2. verify without any parameters the commands succeeds and prints the vs "server" host and port
4. verify with all the options the command successfully completes and host and ports are listed for a given virtual server

list-app-refs ?

1. verify the command usage
3. verify with required parameters the command completes successfully

list-commands

1. verify the command usage
2. verify when the domain is not running it lists only localcommands
3. verify when the domain is running and with flag local=false and remote=true it lists only remotecommands
4. verify by default it lists all local and remote commands

list-containers

1. verify the command usage
2. verify it lists all containers running in the server

list-modules

1. verify the command usage
2. verify it lists all modules running in the server

list-resource-refs

1. verify the command usage
3. verify with required parameters the command completes successfully

list-sub-components

1. verify the command usage
2. verify without required parameters the commands fails and prints usage
3. verify with required parameters the command completes successfully

3. Features not tested

5. Test methodology

New tests will be automated with Tonga test framework and run as per the test matrix.

6. Test deliverables

This plan and test results of regression test suite.

7. Onepager Review

Engineers: Kedar Mhaswade, Prashanth Abbagani , Nachiappan , Byron Nevins

8. Reference Documents

<http://wiki.glassfish.java.net/Wiki.jsp?page=GFv3FinalMS2>