



Red Hat Fuse 7.8

Apache Karaf Console Reference

Reference for the Apache Karaf shell commands

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Abstract

The primary interface for managing a container is the command console. This reference provides an easy way to see the commands, their syntax, and options.

Table of Contents

CHAPTER 1. BUNDLE	23
1.1. BUNDLE:CAPABILITIES	23
1.1.1. Description	23
1.1.2. Syntax	23
1.1.3. Arguments	23
1.1.4. Options	23
1.2. BUNDLE:CLASSES	23
1.2.1. Description	23
1.2.2. Syntax	23
1.2.3. Arguments	23
1.2.4. Options	24
1.3. BUNDLE:DIAG	24
1.3.1. Description	24
1.3.2. Syntax	24
1.3.3. Arguments	24
1.3.4. Options	24
1.4. BUNDLE:DYNAMIC-IMPORT	24
1.4.1. Description	24
1.4.2. Syntax	24
1.4.3. Arguments	25
1.4.4. Options	25
1.5. BUNDLE:FIND-CLASS	25
1.5.1. Description	25
1.5.2. Syntax	25
1.5.3. Arguments	25
1.5.4. Options	25
1.6. BUNDLE:HEADERS	25
1.6.1. Description	25
1.6.2. Syntax	25
1.6.3. Arguments	26
1.6.4. Options	26
1.7. BUNDLE:ID	26
1.7.1. Description	26
1.7.2. Syntax	26
1.7.3. Arguments	26
1.7.4. Options	26
1.8. BUNDLE:INFO	26
1.8.1. Description	27
1.8.2. Syntax	27
1.8.3. Arguments	27
1.8.4. Options	27
1.9. BUNDLE:INSTALL	27
1.9.1. Description	27
1.9.2. Syntax	27
1.9.3. Arguments	27
1.9.4. Options	27
1.10. BUNDLE:LIST	28
1.10.1. Description	28
1.10.2. Syntax	28
1.10.3. Arguments	28
1.10.4. Options	28

1.11. BUNDLE:LOAD-TEST	29
1.11.1. Description	29
1.11.2. Syntax	29
1.11.3. Options	29
1.12. BUNDLE:REFRESH	29
1.12.1. Description	29
1.12.2. Syntax	29
1.12.3. Arguments	29
1.12.4. Options	30
1.13. BUNDLE:REQUIREMENTS	30
1.13.1. Description	30
1.13.2. Syntax	30
1.13.3. Arguments	30
1.13.4. Options	30
1.14. BUNDLE:RESOLVE	30
1.14.1. Description	30
1.14.2. Syntax	31
1.14.3. Arguments	31
1.14.4. Options	31
1.15. BUNDLE:RESTART	31
1.15.1. Description	31
1.15.2. Syntax	31
1.15.3. Arguments	31
1.15.4. Options	31
1.16. BUNDLE:SERVICES	32
1.16.1. Description	32
1.16.2. Syntax	32
1.16.3. Arguments	32
1.16.4. Options	32
1.17. BUNDLE:START-LEVEL	32
1.17.1. Description	32
1.17.2. Syntax	32
1.17.3. Arguments	32
1.17.4. Options	33
1.18. BUNDLE:START	33
1.18.1. Description	33
1.18.2. Syntax	33
1.18.3. Arguments	33
1.18.4. Options	33
1.19. BUNDLE:STATUS	33
1.19.1. Description	34
1.19.2. Syntax	34
1.19.3. Arguments	34
1.19.4. Options	34
1.20. BUNDLE:STOP	34
1.20.1. Description	34
1.20.2. Syntax	34
1.20.3. Arguments	34
1.20.4. Options	34
1.21. BUNDLE:TREE-SHOW	35
1.21.1. Description	35
1.21.2. Syntax	35
1.21.3. Arguments	35

1.21.4. Options	35
1.22. BUNDLE:UNINSTALL	35
1.22.1. Description	35
1.22.2. Syntax	35
1.22.3. Arguments	35
1.22.4. Options	36
1.23. BUNDLE:UPDATE	36
1.23.1. Description	36
1.23.2. Syntax	36
1.23.3. Arguments	36
1.23.4. Options	36
1.24. BUNDLE:WATCH	37
1.24.1. Description	37
1.24.2. Syntax	37
1.24.3. Arguments	37
1.24.4. Options	37
1.24.5. Details	37
CHAPTER 2. CAMEL	38
2.1. CAMEL:COMPONENT-LIST	38
2.1.1. Description	38
2.1.2. Syntax	38
2.1.3. Arguments	38
2.1.4. Options	38
2.2. CAMEL:CONTEXT-INFLIGHT	38
2.2.1. Description	38
2.2.2. Syntax	38
2.2.3. Arguments	38
2.2.4. Options	39
2.3. CAMEL:CONTEXT-INFO	39
2.3.1. Description	39
2.3.2. Syntax	39
2.3.3. Arguments	39
2.3.4. Options	39
2.4. CAMEL:CONTEXT-LIST	39
2.4.1. Description	39
2.4.2. Syntax	39
2.4.3. Options	40
2.5. CAMEL:CONTEXT-RESUME	40
2.5.1. Description	40
2.5.2. Syntax	40
2.5.3. Arguments	40
2.5.4. Options	40
2.6. CAMEL:CONTEXT-START	40
2.6.1. Description	40
2.6.2. Syntax	40
2.6.3. Arguments	40
2.6.4. Options	41
2.7. CAMEL:CONTEXT-STOP	41
2.7.1. Description	41
2.7.2. Syntax	41
2.7.3. Arguments	41
2.7.4. Options	41

2.8. CAMEL:CONTEXT-SUSPEND	41
2.8.1. Description	41
2.8.2. Syntax	41
2.8.3. Arguments	41
2.8.4. Options	42
2.9. CAMEL:EIP-EXPLAIN	42
2.9.1. Description	42
2.9.2. Syntax	42
2.9.3. Arguments	42
2.9.4. Options	42
2.10. CAMEL:ENDPOINT-EXPLAIN	42
2.10.1. Description	42
2.10.2. Syntax	42
2.10.3. Arguments	42
2.10.4. Options	43
2.11. CAMEL:ENDPOINT-LIST	43
2.11.1. Description	43
2.11.2. Syntax	43
2.11.3. Arguments	43
2.11.4. Options	43
2.12. CAMEL:ENDPOINT-STATS	44
2.12.1. Description	44
2.12.2. Syntax	44
2.12.3. Arguments	44
2.12.4. Options	44
2.13. CAMEL:REST-API-DOC	44
2.13.1. Description	44
2.13.2. Syntax	44
2.13.3. Arguments	44
2.13.4. Options	44
2.14. CAMEL:REST-REGISTRY-LIST	45
2.14.1. Description	45
2.14.2. Syntax	45
2.14.3. Arguments	45
2.14.4. Options	45
2.15. CAMEL:REST-SHOW	45
2.15.1. Description	45
2.15.2. Syntax	45
2.15.3. Arguments	45
2.15.4. Options	46
2.16. CAMEL:ROUTE-INFO	46
2.16.1. Description	46
2.16.2. Syntax	46
2.16.3. Arguments	46
2.16.4. Options	46
2.17. CAMEL:ROUTE-LIST	46
2.17.1. Description	46
2.17.2. Syntax	46
2.17.3. Arguments	47
2.17.4. Options	47
2.18. CAMEL:ROUTE-PROFILE	47
2.18.1. Description	47
2.18.2. Syntax	47

2.18.3. Arguments	47
2.18.4. Options	47
2.19. CAMEL:ROUTE-RESET-STATS	47
2.19.1. Description	47
2.19.2. Syntax	47
2.19.3. Arguments	48
2.19.4. Options	48
2.20. CAMEL:ROUTE-RESUME	48
2.20.1. Description	48
2.20.2. Syntax	48
2.20.3. Arguments	48
2.20.4. Options	48
2.21. CAMEL:ROUTE-SHOW	48
2.21.1. Description	48
2.21.2. Syntax	48
2.21.3. Arguments	49
2.21.4. Options	49
2.22. CAMEL:ROUTE-START	49
2.22.1. Description	49
2.22.2. Syntax	49
2.22.3. Arguments	49
2.22.4. Options	49
2.23. CAMEL:ROUTE-STOP	49
2.23.1. Description	49
2.23.2. Syntax	50
2.23.3. Arguments	50
2.23.4. Options	50
2.24. CAMEL:ROUTE-SUSPEND	50
2.24.1. Description	50
2.24.2. Syntax	50
2.24.3. Arguments	50
2.24.4. Options	50
CHAPTER 3. CONFIG	51
3.1. CONFIG:CANCEL	51
3.1.1. Description	51
3.1.2. Syntax	51
3.1.3. Options	51
3.2. CONFIG:DELETE	51
3.2.1. Description	51
3.2.2. Syntax	51
3.2.3. Arguments	51
3.2.4. Options	51
3.3. CONFIG:EDIT	51
3.3.1. Description	52
3.3.2. Syntax	52
3.3.3. Arguments	52
3.3.4. Options	52
3.3.5. Details	52
3.4. CONFIG:INSTALL	52
3.4.1. Description	52
3.4.2. Syntax	52
3.4.3. Arguments	52

3.4.4. Options	53
3.5. CONFIG:LIST	53
3.5.1. Description	53
3.5.2. Syntax	53
3.5.3. Arguments	53
3.5.4. Options	53
3.6. CONFIG:META	53
3.6.1. Description	53
3.6.2. Syntax	53
3.6.3. Arguments	54
3.6.4. Options	54
3.7. CONFIG:PROPERTY-APPEND	54
3.7.1. Description	54
3.7.2. Syntax	54
3.7.3. Arguments	54
3.7.4. Options	54
3.8. CONFIG:PROPERTY-DELETE	54
3.8.1. Description	55
3.8.2. Syntax	55
3.8.3. Arguments	55
3.8.4. Options	55
3.9. CONFIG:PROPERTY-GET	55
3.9.1. Description	55
3.9.2. Syntax	55
3.9.3. Arguments	55
3.9.4. Options	55
3.10. CONFIG:PROPERTY-LIST	56
3.10.1. Description	56
3.10.2. Syntax	56
3.10.3. Options	56
3.11. CONFIG:PROPERTY-SET	56
3.11.1. Description	56
3.11.2. Syntax	56
3.11.3. Arguments	56
3.11.4. Options	56
3.12. CONFIG:UPDATE	57
3.12.1. Description	57
3.12.2. Syntax	57
3.12.3. Options	57
CHAPTER 4. CXF	58
4.1. CXF:LIST-BUSSES	58
4.1.1. Description	58
4.1.2. Syntax	58
4.1.3. Options	58
4.2. CXF:LIST-ENDPOINTS	58
4.2.1. Description	58
4.2.2. Syntax	58
4.2.3. Arguments	58
4.2.4. Options	58
4.3. CXF:START-ENDPOINT	59
4.3.1. Description	59
4.3.2. Syntax	59

4.3.3. Arguments	59
4.3.4. Options	59
4.4. CXF:STOP-ENDPOINT	59
4.4.1. Description	59
4.4.2. Syntax	59
4.4.3. Arguments	59
4.4.4. Options	59
CHAPTER 5. DEV	61
5.1. DEV:DUMP-CREATE	61
5.1.1. Description	61
5.1.2. Syntax	61
5.1.3. Arguments	61
5.1.4. Options	61
CHAPTER 6. FEATURE	62
6.1. FEATURE:EXPORT-BUNDLES	62
6.1.1. Description	62
6.1.2. Syntax	62
6.1.3. Arguments	62
6.1.4. Options	62
6.2. FEATURE:INFO	62
6.2.1. Description	62
6.2.2. Syntax	62
6.2.3. Arguments	62
6.2.4. Options	63
6.3. FEATURE:INSTALL	63
6.3.1. Description	63
6.3.2. Syntax	63
6.3.3. Arguments	63
6.3.4. Options	63
6.4. FEATURE:LIST	64
6.4.1. Description	64
6.4.2. Syntax	64
6.4.3. Options	64
6.5. FEATURE:REGIONS	65
6.5.1. Description	65
6.5.2. Syntax	65
6.5.3. Arguments	65
6.5.4. Options	65
6.6. FEATURE:REFRESH	65
6.6.1. Description	65
6.6.2. Syntax	66
6.6.3. Options	66
6.7. FEATURE:REPO-ADD	66
6.7.1. Description	66
6.7.2. Syntax	66
6.7.3. Arguments	66
6.7.4. Options	66
6.8. FEATURE:REPO-LIST	67
6.8.1. Description	67
6.8.2. Syntax	67
6.8.3. Options	67

6.9. FEATURE:REPO-REFRESH	67
6.9.1. Description	67
6.9.2. Syntax	67
6.9.3. Arguments	67
6.9.4. Options	68
6.10. FEATURE:REPO-REMOVE	68
6.10.1. Description	68
6.10.2. Syntax	68
6.10.3. Arguments	68
6.10.4. Options	68
6.11. FEATURE:REQUIREMENT-ADD	68
6.11.1. Description	68
6.11.2. Syntax	68
6.11.3. Arguments	68
6.11.4. Options	69
6.12. FEATURE:REQUIREMENT-LIST	69
6.12.1. Description	69
6.12.2. Syntax	69
6.12.3. Options	69
6.13. FEATURE:REQUIREMENT-REMOVE	70
6.13.1. Description	70
6.13.2. Syntax	70
6.13.3. Arguments	70
6.13.4. Options	70
6.14. FEATURE:START	71
6.14.1. Description	71
6.14.2. Syntax	71
6.14.3. Arguments	71
6.14.4. Options	71
6.15. FEATURE:STOP	71
6.15.1. Description	71
6.15.2. Syntax	71
6.15.3. Arguments	71
6.15.4. Options	72
6.16. FEATURE:UNINSTALL	72
6.16.1. Description	72
6.16.2. Syntax	72
6.16.3. Arguments	72
6.16.4. Options	72
6.17. FEATURE:VERSION-LIST	72
6.17.1. Description	73
6.17.2. Syntax	73
6.17.3. Arguments	73
6.17.4. Options	73
CHAPTER 7. HTTP	74
7.1. HTTP:LIST	74
7.1.1. Description	74
7.1.2. Syntax	74
7.1.3. Options	74
7.2. HTTP:PROXIES	74
7.2.1. Description	74
7.2.2. Syntax	74

7.2.3. Options	74
7.3. HTTP:PROXY-ADD	74
7.3.1. Description	74
7.3.2. Syntax	74
7.3.3. Arguments	75
7.3.4. Options	75
7.4. HTTP:PROXY-REMOVE	75
7.4.1. Description	75
7.4.2. Syntax	75
7.4.3. Arguments	75
7.4.4. Options	75
CHAPTER 8. JAAS	76
8.1. JAAS:CANCEL	76
8.1.1. Description	76
8.1.2. Syntax	76
8.1.3. Options	76
8.2. JAAS:GROUP-ADD	76
8.2.1. Description	76
8.2.2. Syntax	76
8.2.3. Arguments	76
8.2.4. Options	76
8.3. JAAS:GROUP-CREATE	76
8.3.1. Description	77
8.3.2. Syntax	77
8.3.3. Arguments	77
8.3.4. Options	77
8.4. JAAS:GROUP-DELETE	77
8.4.1. Description	77
8.4.2. Syntax	77
8.4.3. Arguments	77
8.4.4. Options	77
8.5. JAAS:GROUP-LIST	77
8.5.1. Description	78
8.5.2. Syntax	78
8.5.3. Options	78
8.6. JAAS:GROUP-ROLE-ADD	78
8.6.1. Description	78
8.6.2. Syntax	78
8.6.3. Arguments	78
8.6.4. Options	78
8.7. JAAS:GROUP-ROLE-DELETE	78
8.7.1. Description	78
8.7.2. Syntax	78
8.7.3. Arguments	79
8.7.4. Options	79
8.8. JAAS:PENDING-LIST	79
8.8.1. Description	79
8.8.2. Syntax	79
8.8.3. Options	79
8.9. JAAS:REALM-LIST	79
8.9.1. Description	79
8.9.2. Syntax	79

8.9.3. Options	79
8.10. JAAS:REALM-MANAGE	80
8.10.1. Description	80
8.10.2. Syntax	80
8.10.3. Options	80
8.11. JAAS:ROLE-ADD	80
8.11.1. Description	80
8.11.2. Syntax	80
8.11.3. Arguments	80
8.11.4. Options	81
8.12. JAAS:ROLE-DELETE	81
8.12.1. Description	81
8.12.2. Syntax	81
8.12.3. Arguments	81
8.12.4. Options	81
8.13. JAAS:SU	81
8.13.1. Description	81
8.13.2. Syntax	81
8.13.3. Arguments	82
8.13.4. Options	82
8.14. JAAS:SUDO	82
8.14.1. Description	82
8.14.2. Syntax	82
8.14.3. Arguments	82
8.14.4. Options	82
8.15. JAAS:UPDATE	82
8.15.1. Description	83
8.15.2. Syntax	83
8.15.3. Options	83
8.16. JAAS:USER-ADD	83
8.16.1. Description	83
8.16.2. Syntax	83
8.16.3. Arguments	83
8.16.4. Options	83
8.17. JAAS:USER-DELETE	83
8.17.1. Description	83
8.17.2. Syntax	83
8.17.3. Arguments	84
8.17.4. Options	84
8.18. JAAS:USER-LIST	84
8.18.1. Description	84
8.18.2. Syntax	84
8.18.3. Options	84
8.19. JAAS:WHOAMI	84
8.19.1. Description	84
8.19.2. Syntax	84
8.19.3. Options	84
CHAPTER 9. JDBC	86
9.1. JDBC:DS-CREATE	86
9.1.1. Description	86
9.1.2. Syntax	86
9.1.3. Arguments	86

9.1.4. Options	86
9.2. JDBC:DS-DELETE	86
9.2.1. Description	86
9.2.2. Syntax	87
9.2.3. Arguments	87
9.2.4. Options	87
9.3. JDBC:DS-FACTORIES	87
9.3.1. Description	87
9.3.2. Syntax	87
9.3.3. Options	87
9.4. JDBC:DS-INFO	87
9.4.1. Description	87
9.4.2. Syntax	87
9.4.3. Arguments	87
9.4.4. Options	88
9.5. JDBC:DS-LIST	88
9.5.1. Description	88
9.5.2. Syntax	88
9.5.3. Options	88
9.6. JDBC:EXECUTE	88
9.6.1. Description	88
9.6.2. Syntax	88
9.6.3. Arguments	88
9.6.4. Options	89
9.7. JDBC:QUERY	89
9.7.1. Description	89
9.7.2. Syntax	89
9.7.3. Arguments	89
9.7.4. Options	89
9.8. JDBC:TABLES	89
9.8.1. Description	89
9.8.2. Syntax	89
9.8.3. Arguments	89
9.8.4. Options	90
CHAPTER 10. JMS	91
10.1. JMS:BROWSE	91
10.1.1. Description	91
10.1.2. Syntax	91
10.1.3. Arguments	91
10.1.4. Options	91
10.2. JMS:CONNECTIONFACTORIES	91
10.2.1. Description	91
10.2.2. Syntax	91
10.2.3. Options	91
10.3. JMS:CONSUME	92
10.3.1. Description	92
10.3.2. Syntax	92
10.3.3. Arguments	92
10.3.4. Options	92
10.4. JMS:COUNT	92
10.4.1. Description	92
10.4.2. Syntax	92

10.4.3. Arguments	93
10.4.4. Options	93
10.5. JMS:CREATE	93
10.5.1. Description	93
10.5.2. Syntax	93
10.5.3. Arguments	93
10.5.4. Options	93
10.6. JMS:DELETE	94
10.6.1. Description	94
10.6.2. Syntax	94
10.6.3. Arguments	94
10.6.4. Options	94
10.7. JMS:INFO	94
10.7.1. Description	94
10.7.2. Syntax	94
10.7.3. Arguments	94
10.7.4. Options	95
10.8. JMS:MOVE	95
10.8.1. Description	95
10.8.2. Syntax	95
10.8.3. Arguments	95
10.8.4. Options	95
10.9. JMS:QUEUES	95
10.9.1. Description	95
10.9.2. Syntax	96
10.9.3. Arguments	96
10.9.4. Options	96
10.10. JMS:SEND	96
10.10.1. Description	96
10.10.2. Syntax	96
10.10.3. Arguments	96
10.10.4. Options	96
10.11. JMS:TOPICS	97
10.11.1. Description	97
10.11.2. Syntax	97
10.11.3. Arguments	97
10.11.4. Options	97
CHAPTER 11. JNDI	98
11.1. JNDI:ALIAS	98
11.1.1. Description	98
11.1.2. Syntax	98
11.1.3. Arguments	98
11.1.4. Options	98
11.2. JNDI:BIND	98
11.2.1. Description	98
11.2.2. Syntax	98
11.2.3. Arguments	98
11.2.4. Options	98
11.3. JNDI:CONTEXTS	99
11.3.1. Description	99
11.3.2. Syntax	99
11.3.3. Arguments	99

11.3.4. Options	99
11.4. JNDI:CREATE	99
11.4.1. Description	99
11.4.2. Syntax	99
11.4.3. Arguments	99
11.4.4. Options	99
11.5. JNDI:DELETE	100
11.5.1. Description	100
11.5.2. Syntax	100
11.5.3. Arguments	100
11.5.4. Options	100
11.6. JNDI:NAMES	100
11.6.1. Description	100
11.6.2. Syntax	100
11.6.3. Arguments	100
11.6.4. Options	100
11.7. JNDI:UNBIND	101
11.7.1. Description	101
11.7.2. Syntax	101
11.7.3. Arguments	101
11.7.4. Options	101
CHAPTER 12. KAR	102
12.1. KAR:CREATE	102
12.1.1. Description	102
12.1.2. Syntax	102
12.1.3. Arguments	102
12.1.4. Options	102
12.2. KAR:INSTALL	102
12.2.1. Description	102
12.2.2. Syntax	102
12.2.3. Arguments	102
12.2.4. Options	102
12.3. KAR:LIST	103
12.3.1. Description	103
12.3.2. Syntax	103
12.3.3. Options	103
12.4. KAR:UNINSTALL	103
12.4.1. Description	103
12.4.2. Syntax	103
12.4.3. Arguments	103
12.4.4. Options	103
CHAPTER 13. LOG	105
13.1. LOG:CLEAR	105
13.1.1. Description	105
13.1.2. Syntax	105
13.1.3. Options	105
13.2. LOG:DISPLAY	105
13.2.1. Description	105
13.2.2. Syntax	105
13.2.3. Arguments	105
13.2.4. Options	105

13.3. LOG:EXCEPTION-DISPLAY	106
13.3.1. Description	106
13.3.2. Syntax	106
13.3.3. Arguments	106
13.3.4. Options	106
13.4. LOG:GET	106
13.4.1. Description	106
13.4.2. Syntax	106
13.4.3. Arguments	106
13.4.4. Options	107
13.5. LOG:LOAD-TEST	107
13.5.1. Description	107
13.5.2. Syntax	107
13.5.3. Options	107
13.6. LOG:LOG	107
13.6.1. Description	107
13.6.2. Syntax	107
13.6.3. Arguments	107
13.6.4. Options	108
13.7. LOG:SET	108
13.7.1. Description	108
13.7.2. Syntax	108
13.7.3. Arguments	108
13.7.4. Options	108
13.8. LOG:TAIL	108
13.8.1. Description	108
13.8.2. Syntax	108
13.8.3. Arguments	109
13.8.4. Options	109
CHAPTER 14. MAVEN	110
14.1. MAVEN:HTTP-PROXY-LIST	110
14.1.1. Description	110
14.1.2. Syntax	110
14.1.3. Options	110
14.2. MAVEN:HTTP-PROXY	110
14.2.1. Description	110
14.2.2. Syntax	110
14.2.3. Arguments	110
14.2.4. Options	110
14.3. MAVEN:PASSWORD	111
14.3.1. Description	111
14.3.2. Syntax	111
14.3.3. Options	111
14.4. MAVEN:REPOSITORY-ADD	111
14.4.1. Description	112
14.4.2. Syntax	112
14.4.3. Arguments	112
14.4.4. Options	112
14.5. MAVEN:REPOSITORY-CHANGE	113
14.5.1. Description	113
14.5.2. Syntax	113
14.5.3. Arguments	113

14.5.4. Options	113
14.6. MAVEN:REPOSITORY-LIST	114
14.6.1. Description	114
14.6.2. Syntax	114
14.6.3. Options	114
14.7. MAVEN:REPOSITORY-REMOVE	114
14.7.1. Description	114
14.7.2. Syntax	114
14.7.3. Options	114
14.8. MAVEN:SUMMARY	114
14.8.1. Description	115
14.8.2. Syntax	115
14.8.3. Options	115
CHAPTER 15. OBR	116
15.1. OBR:DEPLOY	116
15.1.1. Description	116
15.1.2. Syntax	116
15.1.3. Arguments	116
15.1.4. Options	116
15.2. OBR:FIND	116
15.2.1. Description	116
15.2.2. Syntax	116
15.2.3. Arguments	116
15.2.4. Options	117
15.3. OBR:INFO	117
15.3.1. Description	117
15.3.2. Syntax	117
15.3.3. Arguments	117
15.3.4. Options	117
15.4. OBR:LIST	117
15.4.1. Description	117
15.4.2. Syntax	117
15.4.3. Arguments	118
15.4.4. Options	118
15.5. OBR:RESOLVE	118
15.5.1. Description	118
15.5.2. Syntax	118
15.5.3. Arguments	118
15.5.4. Options	118
15.6. OBR:SOURCE	119
15.6.1. Description	119
15.6.2. Syntax	119
15.6.3. Arguments	119
15.6.4. Options	119
15.7. OBR:START	119
15.7.1. Description	119
15.7.2. Syntax	119
15.7.3. Arguments	119
15.7.4. Options	120
15.8. OBR:URL-ADD	120
15.8.1. Description	120
15.8.2. Syntax	120

15.8.3. Arguments	120
15.8.4. Options	120
15.9. OBR:URL-LIST	120
15.9.1. Description	120
15.9.2. Syntax	121
15.9.3. Options	121
15.10. OBR:URL-REFRESH	121
15.10.1. Description	121
15.10.2. Syntax	121
15.10.3. Arguments	121
15.10.4. Options	121
15.11. OBR:URL-REMOVE	121
15.11.1. Description	121
15.11.2. Syntax	121
15.11.3. Arguments	122
15.11.4. Options	122
CHAPTER 16. PACKAGE	123
16.1. PACKAGE:EXPORTS	123
16.1.1. Description	123
16.1.2. Syntax	123
16.1.3. Options	123
16.2. PACKAGE:IMPORTS	123
16.2.1. Description	123
16.2.2. Syntax	123
16.2.3. Options	123
CHAPTER 17. PROFILE	125
17.1. PROFILE:CHANGE-PARENTS	125
17.1.1. Description	125
17.1.2. Syntax	125
17.1.3. Arguments	125
17.1.4. Options	125
17.2. PROFILE:COPY	125
17.2.1. Description	125
17.2.2. Syntax	125
17.2.3. Arguments	125
17.2.4. Options	125
17.3. PROFILE:CREATE	126
17.3.1. Description	126
17.3.2. Syntax	126
17.3.3. Arguments	126
17.3.4. Options	126
17.3.5. Details	126
17.4. PROFILE:DELETE	126
17.4.1. Description	126
17.4.2. Syntax	126
17.4.3. Arguments	127
17.4.4. Options	127
17.5. PROFILE:DISPLAY	127
17.5.1. Description	127
17.5.2. Syntax	127
17.5.3. Arguments	127

17.5.4. Options	127
17.6. PROFILE:EDIT	127
17.6.1. Description	128
17.6.2. Syntax	128
17.6.3. Arguments	128
17.6.4. Options	128
17.6.5. Details	129
17.7. PROFILE:LIST	129
17.7.1. Description	129
17.7.2. Syntax	129
17.7.3. Options	129
17.8. PROFILE:RENAME	130
17.8.1. Description	130
17.8.2. Syntax	130
17.8.3. Arguments	130
17.8.4. Options	130
CHAPTER 18. SCHEDULER	131
18.1. SCHEDULER:LIST	131
18.1.1. Description	131
18.1.2. Syntax	131
18.1.3. Options	131
18.2. SCHEDULER:RESCHEDULE	131
18.2.1. Description	131
18.2.2. Syntax	131
18.2.3. Arguments	131
18.2.4. Options	131
18.3. SCHEDULER:SCHEDULE	132
18.3.1. Description	132
18.3.2. Syntax	132
18.3.3. Arguments	132
18.3.4. Options	132
18.4. SCHEDULER:TRIGGER	133
18.4.1. Description	133
18.4.2. Syntax	133
18.4.3. Arguments	133
18.4.4. Options	133
18.5. SCHEDULER:UNSCHEDULE	133
18.5.1. Description	133
18.5.2. Syntax	133
18.5.3. Arguments	133
18.5.4. Options	133
CHAPTER 19. SCR	134
19.1. SCR:ACTIVATE	134
19.1.1. Description	134
19.1.2. Syntax	134
19.1.3. Arguments	134
19.1.4. Options	134
19.2. SCR:COMPONENTS	134
19.2.1. Description	134
19.2.2. Syntax	134
19.2.3. Options	134

19.3. SCR:DEACTIVATE	135
19.3.1. Description	135
19.3.2. Syntax	135
19.3.3. Arguments	135
19.3.4. Options	135
19.4. SCR:DETAILS	135
19.4.1. Description	135
19.4.2. Syntax	135
19.4.3. Arguments	135
19.4.4. Options	135
CHAPTER 20. SERVICE	137
20.1. SERVICE:LIST	137
20.1.1. Description	137
20.1.2. Syntax	137
20.1.3. Arguments	137
20.1.4. Options	137
20.2. SERVICE:WAIT	137
20.2.1. Description	137
20.2.2. Syntax	137
20.2.3. Arguments	137
20.2.4. Options	138
CHAPTER 21. SHELL	139
21.1. SHELL:COMPLETION	139
21.1.1. Description	139
21.1.2. Syntax	139
21.1.3. Arguments	139
21.1.4. Options	139
21.2. SHELL:EXEC	139
21.2.1. Description	139
21.2.2. Syntax	139
21.2.3. Arguments	139
21.2.4. Options	139
21.3. SHELL:INFO	140
21.3.1. Description	140
21.3.2. Syntax	140
21.3.3. Options	140
21.4. SHELL:JAVA	140
21.4.1. Description	140
21.4.2. Syntax	140
21.4.3. Arguments	140
21.4.4. Options	140
21.5. SHELL:LOGOUT	141
21.5.1. Description	141
21.5.2. Syntax	141
21.5.3. Options	141
21.6. SHELL:PRINTF	141
21.6.1. Description	141
21.6.2. Syntax	141
21.6.3. Arguments	141
21.6.4. Options	141
21.7. SHELL:SOURCE	142

21.7.1. Description	142
21.7.2. Syntax	142
21.7.3. Arguments	142
21.7.4. Options	142
21.8. SHELL:STACK-TRACES-PRINT	142
21.8.1. Description	142
21.8.2. Syntax	142
21.8.3. Arguments	142
21.8.4. Options	143
21.9. SHELL:THREADS	143
21.9.1. Description	143
21.9.2. Syntax	143
21.9.3. Arguments	143
21.9.4. Options	143
21.10. SHELL:TTOP	144
21.10.1. Description	144
21.10.2. Syntax	144
21.10.3. Options	144
21.11. SHELL:WATCH	144
21.11.1. Description	144
21.11.2. Syntax	144
21.11.3. Arguments	144
21.11.4. Options	144
CHAPTER 22. SSH	146
22.1. SSH:SSH	146
22.1.1. Description	146
22.1.2. Syntax	146
22.1.3. Arguments	146
22.1.4. Options	146
22.2. SSH:SSHD	146
22.2.1. Description	146
22.2.2. Syntax	147
22.2.3. Options	147
CHAPTER 23. SUBSYSTEM	148
23.1. SUBSYSTEM:INFO	148
23.1.1. Description	148
23.1.2. Syntax	148
23.1.3. Arguments	148
23.1.4. Options	148
23.2. SUBSYSTEM:INSTALL	148
23.2.1. Description	148
23.2.2. Syntax	148
23.2.3. Arguments	148
23.2.4. Options	148
23.3. SUBSYSTEM:LIST	149
23.3.1. Description	149
23.3.2. Syntax	149
23.3.3. Options	149
23.4. SUBSYSTEM:START	149
23.4.1. Description	149
23.4.2. Syntax	149

23.4.3. Arguments	149
23.4.4. Options	149
23.5. SUBSYSTEM:STOP	149
23.5.1. Description	150
23.5.2. Syntax	150
23.5.3. Arguments	150
23.5.4. Options	150
23.6. SUBSYSTEM:UNINSTALL	150
23.6.1. Description	150
23.6.2. Syntax	150
23.6.3. Arguments	150
23.6.4. Options	150
CHAPTER 24. SYSTEM	151
24.1. SYSTEM:FRAMEWORK	151
24.1.1. Description	151
24.1.2. Syntax	151
24.1.3. Arguments	151
24.1.4. Options	151
24.2. SYSTEM:NAME	151
24.2.1. Description	151
24.2.2. Syntax	151
24.2.3. Arguments	151
24.2.4. Options	151
24.3. SYSTEM:PROPERTY	152
24.3.1. Description	152
24.3.2. Syntax	152
24.3.3. Arguments	152
24.3.4. Options	152
24.4. SYSTEM:SHUTDOWN	152
24.4.1. Description	152
24.4.2. Syntax	152
24.4.3. Arguments	153
24.4.4. Options	153
24.5. SYSTEM:START-LEVEL	153
24.5.1. Description	153
24.5.2. Syntax	153
24.5.3. Arguments	153
24.5.4. Options	153
24.6. SYSTEM:VERSION	154
24.6.1. Description	154
24.6.2. Syntax	154
24.6.3. Options	154
CHAPTER 25. WEB	155
25.1. WEB:LAUNCH	155
25.1.1. Description	155
25.1.2. Syntax	155
25.1.3. Arguments	155
25.1.4. Options	155
25.2. WEB:LIST	155
25.2.1. Description	155
25.2.2. Syntax	155

25.2.3. Options	155
25.3. WEB:START	156
25.3.1. Description	156
25.3.2. Syntax	156
25.3.3. Arguments	156
25.3.4. Options	156
25.4. WEB:STOP	156
25.4.1. Description	156
25.4.2. Syntax	156
25.4.3. Arguments	156
25.4.4. Options	156

CHAPTER 1. BUNDLE

1.1. BUNDLE:CAPABILITIES

1.1.1. Description

Displays OSGi capabilities of a given bundles.

1.1.2. Syntax

bundle:capabilities [options] [ids]

1.1.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.1.4. Options

Name	Description
--help	Display this help message
--namespace	
--context, -c	Use the given bundle context

1.2. BUNDLE:CLASSES

1.2.1. Description

Displays a list of classes/resources contained in the bundle

1.2.2. Syntax

bundle:classes [options] [ids]

1.2.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.2.4. Options

Name	Description
--help	Display this help message
-a, --display-all-files	List all classes and files in the bundle
--context, -c	Use the given bundle context

1.3. BUNDLE:DIAG

1.3.1. Description

Displays diagnostic information why a bundle is not Active

1.3.2. Syntax

bundle:diag [options] [ids]

1.3.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.3.4. Options

Name	Description
--help	Display this help message
--context, -c	Use the given bundle context

1.4. BUNDLE:DYNAMIC-IMPORT

1.4.1. Description

Enables/disables dynamic-import for a given bundle.

1.4.2. Syntax

bundle:dynamic-import [options] id

1.4.3. Arguments

Name	Description
id	The bundle ID or name or name/version

1.4.4. Options

Name	Description
--help	Display this help message
--context	Use the given bundle context

1.5. BUNDLE:FIND-CLASS

1.5.1. Description

Locates a specified class in any deployed bundle

1.5.2. Syntax

bundle:find-class [options] className

1.5.3. Arguments

Name	Description
className	Class name or partial class name to be found

1.5.4. Options

Name	Description
--help	Display this help message

1.6. BUNDLE:HEADERS

1.6.1. Description

Displays OSGi headers of a given bundles.

1.6.2. Syntax

bundle:headers [options] [ids]

1.6.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.6.4. Options

Name	Description
--help	Display this help message
--no-uses	Print or not the Export-Package uses section
--indent	Indentation method
--context, -c	Use the given bundle context

1.7. BUNDLE:ID

1.7.1. Description

Gets the bundle ID.

1.7.2. Syntax

bundle:id [options] id

1.7.3. Arguments

Name	Description
id	The bundle ID or name or name/version

1.7.4. Options

Name	Description
--help	Display this help message
--context	Use the given bundle context

1.8. BUNDLE:INFO

1.8.1. Description

Displays detailed information of a given bundles.

1.8.2. Syntax

bundle:info [options] [ids]

1.8.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.8.4. Options

Name	Description
--help	Display this help message
--context, -c	Use the given bundle context

1.9. BUNDLE:INSTALL

1.9.1. Description

Installs one or more bundles.

1.9.2. Syntax

bundle:install [options] urls

1.9.3. Arguments

Name	Description
urls	Bundle URLs separated by whitespaces

1.9.4. Options

Name	Description
-l, --start-level	Sets the start level of the bundles

Name	Description
--help	Display this help message
--force, -f	Forces the command to execute
--r3-bundles	Allow OSGi R3 bundles
-s, --start	Starts the bundles after installation

1.10. BUNDLE:LIST

1.10.1. Description

Lists all installed bundles.

1.10.2. Syntax

```
bundle:list [options] [ids]
```

1.10.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.10.4. Options

Name	Description
-name, -n	Show bundle name
--help	Display this help message
-u	Shows the update locations
-r	Shows the bundle revisions
--no-ellipsis	
-l	Show the locations
-s	Shows the symbolic name

Name	Description
<code>--context, -c</code>	Use the given bundle context
<code>-t</code>	Specifies the bundle threshold; bundles with a start-level less than this value will not get printed out.
<code>--no-format</code>	Disable table rendered output

1.11. BUNDLE:LOAD-TEST

1.11.1. Description

Load test bundle lifecycle

1.11.2. Syntax

`bundle:load-test [options]`

1.11.3. Options

Name	Description
<code>--help</code>	Display this help message
<code>--refresh</code>	percentage of bundle refresh vs restart
<code>--excludes</code>	List of bundles (ids or symbolic names) to exclude
<code>--iterations</code>	number of iterations per thread
<code>--delay</code>	maximum delay between actions
<code>--threads</code>	number of concurrent threads

1.12. BUNDLE:REFRESH

1.12.1. Description

Refresh bundles.

1.12.2. Syntax

`bundle:refresh [options] [ids]`

1.12.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.12.4. Options

Name	Description
--help	Display this help message
--context, -c	Use the given bundle context

1.13. BUNDLE:REQUIREMENTS

1.13.1. Description

Displays OSGi requirements of a given bundles.

1.13.2. Syntax

bundle:requirements [options] [ids]

1.13.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.13.4. Options

Name	Description
--help	Display this help message
--namespace	
--context, -c	Use the given bundle context

1.14. BUNDLE:RESOLVE

1.14.1. Description

Resolve bundles.

1.14.2. Syntax

bundle:resolve [options] [ids]

1.14.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.14.4. Options

Name	Description
--help	Display this help message
--context, -c	Use the given bundle context

1.15. BUNDLE:RESTART

1.15.1. Description

Restarts bundles.

1.15.2. Syntax

bundle:restart [options] [ids]

1.15.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.15.4. Options

Name	Description
--help	Display this help message
--context, -c	Use the given bundle context

1.16. BUNDLE:SERVICES

1.16.1. Description

Lists OSGi services per Bundle

1.16.2. Syntax

bundle:services [options] [ids]

1.16.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.16.4. Options

Name	Description
--help	Display this help message
-p	Shows the properties of the services
-u	Shows the services each bundle uses. (By default the provided services are shown)
--context, -c	Use the given bundle context
-a	Shows all services. (Karaf commands and completers are hidden by default)

1.17. BUNDLE:START-LEVEL

1.17.1. Description

Gets or sets the start level of a bundle.

1.17.2. Syntax

bundle:start-level [options] id [startLevel]

1.17.3. Arguments

Name	Description
id	The bundle ID or name or name/version
startLevel	The bundle's new start level

1.17.4. Options

Name	Description
--help	Display this help message
--context	Use the given bundle context

1.18. BUNDLE:START

1.18.1. Description

Starts bundles.

1.18.2. Syntax

bundle:start [options] [ids]

1.18.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.18.4. Options

Name	Description
--help	Display this help message
-t, --transient	Keep the bundle as auto-start
--context, -c	Use the given bundle context

1.19. BUNDLE:STATUS

1.19.1. Description

Get the bundle current status

1.19.2. Syntax

bundle:status [options] id

1.19.3. Arguments

Name	Description
id	The bundle ID or name or name/version

1.19.4. Options

Name	Description
--help	Display this help message
--context	Use the given bundle context

1.20. BUNDLE:STOP

1.20.1. Description

Stop bundles.

1.20.2. Syntax

bundle:stop [options] [ids]

1.20.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.20.4. Options

Name	Description
--help	Display this help message

Name	Description
-t, --transient	Keep the bundle as auto-start
--context, -c	Use the given bundle context

1.21. BUNDLE:TREE-SHOW

1.21.1. Description

Shows the tree of bundles based on the wiring information.

1.21.2. Syntax

bundle:tree-show [options] id

1.21.3. Arguments

Name	Description
id	The bundle ID or name or name/version

1.21.4. Options

Name	Description
--help	Display this help message
-v, --version	Show bundle versions
--context	Use the given bundle context

1.22. BUNDLE:UNINSTALL

1.22.1. Description

Uninstall bundles.

1.22.2. Syntax

bundle:uninstall [options] [ids]

1.22.3. Arguments

Name	Description
ids	The list of bundle (identified by IDs or name or name/version) separated by whitespaces

1.22.4. Options

Name	Description
--help	Display this help message
--context, -c	Use the given bundle context

1.23. BUNDLE:UPDATE

1.23.1. Description

Update bundle.

1.23.2. Syntax

bundle:update [options] id [location]

1.23.3. Arguments

Name	Description
id	The bundle ID or name or name/version
location	The bundles update location

1.23.4. Options

Name	Description
--help	Display this help message
--context	Use the given bundle context
--raw	Do not update the bundles's Bundle-UpdateLocation manifest header
-r, --refresh	Perform a refresh after the bundle update

1.24. BUNDLE:WATCH

1.24.1. Description

Watches and updates bundles

1.24.2. Syntax

```
bundle:watch [options] [urls]
```

1.24.3. Arguments

Name	Description
urls	The bundle IDs or URLs

1.24.4. Options

Name	Description
-i	Watch interval
--help	Display this help message
--stop	Stops watching all bundles
--remove	Removes bundles from the watch list
--start	Starts watching the selected bundles
--list	Displays the watch list

1.24.5. Details

Watches the local maven repo for changes in snapshot jars and redploys changed jars

CHAPTER 2. CAMEL

2.1. CAMEL:COMPONENT-LIST

2.1.1. Description

Lists all Camel components that are in use in Karaf.

2.1.2. Syntax

```
camel:component-list [options] name
```

2.1.3. Arguments

Name	Description
name	The Camel context name where to look for the components

2.1.4. Options

Name	Description
--help	Display this help message
--verbose, -v	Verbose output which shows more information

2.2. CAMEL:CONTEXT-INFLIGHT

2.2.1. Description

List inflight exchanges.

2.2.2. Syntax

```
camel:context-inflight [options] name [route]
```

2.2.3. Arguments

Name	Description
name	The Camel context name
route	The Camel route ID

2.2.4. Options

Name	Description
--help	Display this help message
--limit, -l	To limit the number of exchanges shown
--sort, -s	true = sort by longest duration, false = sort by exchange id

2.3. CAMEL:CONTEXT-INFO

2.3.1. Description

Display detailed information about a Camel context.

2.3.2. Syntax

camel:context-info [options] name

2.3.3. Arguments

Name	Description
name	The name of the Camel context

2.3.4. Options

Name	Description
--help	Display this help message
--verbose, -v	Verbose output

2.4. CAMEL:CONTEXT-LIST

2.4.1. Description

Lists all Camel contexts.

2.4.2. Syntax

camel:context-list [options]

2.4.3. Options

Name	Description
--help	Display this help message

2.5. CAMEL:CONTEXT-RESUME

2.5.1. Description

Resumes a Camel context.

2.5.2. Syntax

camel:context-resume [options] context

2.5.3. Arguments

Name	Description
context	The name of the Camel context.

2.5.4. Options

Name	Description
--help	Display this help message

2.6. CAMEL:CONTEXT-START

2.6.1. Description

Start a Camel context.

2.6.2. Syntax

camel:context-start [options] context

2.6.3. Arguments

Name	Description
context	The name of the Camel context.

2.6.4. Options

Name	Description
--help	Display this help message

2.7. CAMEL:CONTEXT-STOP

2.7.1. Description

Stop a Camel context. It becomes unavailable and can not be started again.

2.7.2. Syntax

camel:context-stop [options] context

2.7.3. Arguments

Name	Description
context	The name of the Camel context.

2.7.4. Options

Name	Description
--help	Display this help message

2.8. CAMEL:CONTEXT-SUSPEND

2.8.1. Description

Suspends a Camel context.

2.8.2. Syntax

camel:context-suspend [options] context

2.8.3. Arguments

Name	Description
context	The name of the Camel context.

2.8.4. Options

Name	Description
--help	Display this help message

2.9. CAMEL:EIP-EXPLAIN

2.9.1. Description

Explain the EIP in the CamelContext

2.9.2. Syntax

```
camel:eip-explain [options] name nameOrId
```

2.9.3. Arguments

Name	Description
name	The name of the Camel context
nameOrId	The name of the EIP or a node id to refer to a specific node from the routes

2.9.4. Options

Name	Description
--verbose, -v	Verbose output to explain all options
--help	Display this help message

2.10. CAMEL:ENDPOINT-EXPLAIN

2.10.1. Description

Explain all Camel endpoints available in the CamelContext

2.10.2. Syntax

```
camel:endpoint-explain [options] name
```

2.10.3. Arguments

Name	Description
name	The name of the Camel context

2.10.4. Options

Name	Description
--verbose, -v	Verbose output to explain all options
--help	Display this help message
--filter, -f	To filter endpoints by pattern

2.11. CAMEL:ENDPOINT-LIST

2.11.1. Description

Lists Camel endpoints

2.11.2. Syntax

camel:endpoint-list [options] [name]

2.11.3. Arguments

Name	Description
name	The name of the Camel context or a wildcard expression

2.11.4. Options

Name	Description
--help	Display this help message
--verbose, -v	Verbose output which does not limit the length of the uri shown, or to explain all options (if explain selected)
--explain, -e	Whether to explain the endpoint options
--decode, -d	Whether to decode the endpoint uri so its human readable

2.12. CAMEL:ENDPOINT-STATS

2.12.1. Description

Display endpoint runtime statistics

2.12.2. Syntax

```
camel:endpoint-stats [options] [name]
```

2.12.3. Arguments

Name	Description
name	The name of the Camel context (support wildcard)

2.12.4. Options

Name	Description
--help	Display this help message
--filter, -f	Filter the list by in,out,static,dynamic
--decode, -d	Whether to decode the endpoint uri so its human readable

2.13. CAMEL:REST-API-DOC

2.13.1. Description

List the Camel REST services API documentation (requires camel-openapi-java on classpath)

2.13.2. Syntax

```
camel:rest-api-doc [options] name
```

2.13.3. Arguments

Name	Description
name	The Camel context name where to look for the REST services

2.13.4. Options

Name	Description
--help	Display this help message

2.14. CAMEL:REST-REGISTRY-LIST

2.14.1. Description

Lists all Camel REST services enlisted in the Rest Registry from a CamelContext

2.14.2. Syntax

camel:rest-registry-list [options] name

2.14.3. Arguments

Name	Description
name	The Camel context name where to look for the REST services

2.14.4. Options

Name	Description
--help	Display this help message
--verbose, -v	Verbose output which does not limit the length of the uri shown
--decode, -d	Whether to decode the endpoint uri so its human readable

2.15. CAMEL:REST-SHOW

2.15.1. Description

Display the Camel REST definition in XML

2.15.2. Syntax

camel:rest-show [options] name

2.15.3. Arguments

Name	Description
name	The name of the Camel context

2.15.4. Options

Name	Description
--help	Display this help message

2.16. CAMEL:ROUTE-INFO

2.16.1. Description

Display information about a Camel route.

2.16.2. Syntax

camel:route-info [options] context route

2.16.3. Arguments

Name	Description
context	The Camel context name.
route	The Camel route ID or a wildcard expression

2.16.4. Options

Name	Description
--help	Display this help message

2.17. CAMEL:ROUTE-LIST

2.17.1. Description

List Camel routes.

2.17.2. Syntax

camel:route-list [options] [name]

2.17.3. Arguments

Name	Description
name	The Camel context name where to look for the route

2.17.4. Options

Name	Description
--help	Display this help message

2.18. CAMEL:ROUTE-PROFILE

2.18.1. Description

Display profile information about Camel route(s).

2.18.2. Syntax

camel:route-profile [options] context route

2.18.3. Arguments

Name	Description
context	The Camel context name.
route	The Camel route ID or a wildcard expression

2.18.4. Options

Name	Description
--help	Display this help message

2.19. CAMEL:ROUTE-RESET-STATS

2.19.1. Description

Reset route performance stats from a CamelContext

2.19.2. Syntax

camel:route-reset-stats [options] context

2.19.3. Arguments

Name	Description
context	The name of the Camel context.

2.19.4. Options

Name	Description
--help	Display this help message

2.20. CAMEL:ROUTE-RESUME

2.20.1. Description

Resume a Camel route

2.20.2. Syntax

camel:route-resume [options] context route

2.20.3. Arguments

Name	Description
context	The Camel context name.
route	The Camel route ID or a wildcard expression

2.20.4. Options

Name	Description
--help	Display this help message

2.21. CAMEL:ROUTE-SHOW

2.21.1. Description

Display the Camel route definition in XML

2.21.2. Syntax

camel:route-show [options] context route

2.21.3. Arguments

Name	Description
context	The Camel context name.
route	The Camel route ID or a wildcard expression

2.21.4. Options

Name	Description
--help	Display this help message

2.22. CAMEL:ROUTE-START

2.22.1. Description

Start a Camel route

2.22.2. Syntax

camel:route-start [options] context route

2.22.3. Arguments

Name	Description
context	The Camel context name.
route	The Camel route ID or a wildcard expression

2.22.4. Options

Name	Description
--help	Display this help message

2.23. CAMEL:ROUTE-STOP

2.23.1. Description

Stop a Camel route

2.23.2. Syntax

camel:route-stop [options] context route

2.23.3. Arguments

Name	Description
context	The Camel context name.
route	The Camel route ID or a wildcard expression

2.23.4. Options

Name	Description
--help	Display this help message

2.24. CAMEL:ROUTE-SUSPEND

2.24.1. Description

Suspend a Camel route

2.24.2. Syntax

camel:route-suspend [options] context route

2.24.3. Arguments

Name	Description
context	The Camel context name.
route	The Camel route ID or a wildcard expression

2.24.4. Options

Name	Description
--help	Display this help message

CHAPTER 3. CONFIG

3.1. CONFIG:CANCEL

3.1.1. Description

Cancels the changes to the configuration being edited.

3.1.2. Syntax

`config:cancel [options]`

3.1.3. Options

Name	Description
<code>--help</code>	Display this help message

3.2. CONFIG:DELETE

3.2.1. Description

Delete a configuration.

3.2.2. Syntax

`config:delete [options] pid`

3.2.3. Arguments

Name	Description
<code>pid</code>	PID of the configuration

3.2.4. Options

Name	Description
<code>--help</code>	Display this help message
<code>--force</code>	Force the edition of this config, even if another one was under edition

3.3. CONFIG:EDIT

3.3.1. Description

Creates or edits a configuration.

3.3.2. Syntax

```
config:edit [options] pid
```

3.3.3. Arguments

Name	Description
pid	PID of the configuration or of the factory if --factory is given. Pid can also be specified as ldap query

3.3.4. Options

Name	Description
--help	Display this help message
--alias	Specifies the alias used for this factory config.
--factory	Define this config as a factory config. Will be created on calling update
--force	Force the edition of this config, even if another one was under edition

3.3.5. Details

```
classpath:edit.txt
```

3.4. CONFIG:INSTALL

3.4.1. Description

Install a cfg file in the Karaf etc folder.

3.4.2. Syntax

```
config:install [options] url finalname
```

3.4.3. Arguments

Name	Description
url	The URL of the cfg file.
finalname	Final name of the cfg file

3.4.4. Options

Name	Description
-o, --override	Override the target cfg file
--help	Display this help message

3.5. CONFIG:LIST

3.5.1. Description

Lists existing configurations.

3.5.2. Syntax

config:list [options] [query]

3.5.3. Arguments

Name	Description
query	Query in LDAP syntax. Example: "(service.pid=org.apache.karaf.log)"

3.5.4. Options

Name	Description
--help	Display this help message

3.6. CONFIG:META

3.6.1. Description

Lists meta type information.

3.6.2. Syntax

config:meta [options] pid

3.6.3. Arguments

Name	Description
pid	The configuration pid

3.6.4. Options

Name	Description
--help	Display this help message
-c	Create respective config from metatype defaults

3.7. CONFIG:PROPERTY-APPEND

3.7.1. Description

Appends the given value to an existing property or creates the property with the specified name and value.

3.7.2. Syntax

config:property-append [options] name value

3.7.3. Arguments

Name	Description
name	The name of the property
value	The value to append to the property

3.7.4. Options

Name	Description
--help	Display this help message
-p, --pid	The configuration pid

3.8. CONFIG:PROPERTY-DELETE

3.8.1. Description

Deletes a property from the configuration being edited.

3.8.2. Syntax

```
config:property-delete [options] property
```

3.8.3. Arguments

Name	Description
property	The name of the property to delete

3.8.4. Options

Name	Description
--help	Display this help message
-p, --pid	The configuration pid

3.9. CONFIG:PROPERTY-GET

3.9.1. Description

Gets the value of a property in the currently edited configuration.

3.9.2. Syntax

```
config:property-get [options] property
```

3.9.3. Arguments

Name	Description
property	The name of the property to get value for

3.9.4. Options

Name	Description
--help	Display this help message
--raw	

Name	Description
-p, --pid	The configuration pid

3.10. CONFIG:PROPERTY-LIST

3.10.1. Description

Lists properties from the currently edited configuration.

3.10.2. Syntax

config:property-list [options]

3.10.3. Options

Name	Description
--help	Display this help message
--raw	
-p, --pid	The configuration pid

3.11. CONFIG:PROPERTY-SET

3.11.1. Description

Sets a property in the currently edited configuration.

3.11.2. Syntax

config:property-set [options] property value

3.11.3. Arguments

Name	Description
property	The name of the property to set
value	The value of the property

3.11.4. Options

Name	Description
--help	Display this help message
-p, --pid	The configuration pid

3.12. CONFIG:UPDATE

3.12.1. Description

Saves and propagates changes from the configuration being edited.

3.12.2. Syntax

config:update [options]

3.12.3. Options

Name	Description
--help	Display this help message

CHAPTER 4. CXF

4.1. CXF:LIST-BUSSES

4.1.1. Description

Lists all CXF Busses.

4.1.2. Syntax

```
cxf:list-busses [options]
```

4.1.3. Options

Name	Description
--help	Display this help message
--no-format	Disable table rendered output

4.2. CXF:LIST-ENDPOINTS

4.2.1. Description

Lists all CXF Endpoints on a Bus.

4.2.2. Syntax

```
cxf:list-endpoints [options] [bus]
```

4.2.3. Arguments

Name	Description
bus	The CXF bus name where to look for the Endpoints

4.2.4. Options

Name	Description
--help	Display this help message
-f, --fulladdress	Display full address of an endpoint
--no-format	Disable table rendered output

4.3. CXF:START-ENDPOINT

4.3.1. Description

Starts a CXF Endpoint on a Bus.

4.3.2. Syntax

```
cxf:start-endpoint [options] bus endpoint
```

4.3.3. Arguments

Name	Description
bus	The CXF bus name where to look for the Endpoint
endpoint	The Endpoint name to start

4.3.4. Options

Name	Description
--help	Display this help message

4.4. CXF:STOP-ENDPOINT

4.4.1. Description

Stops a CXF Endpoint on a Bus.

4.4.2. Syntax

```
cxf:stop-endpoint [options] bus endpoint
```

4.4.3. Arguments

Name	Description
bus	The CXF bus name where to look for the Endpoint
endpoint	The Endpoint name to stop

4.4.4. Options

Name	Description
--help	Display this help message

CHAPTER 5. DEV

5.1. DEV:DUMP-CREATE

5.1.1. Description

Creates zip archive with diagnostic info.

5.1.2. Syntax

dev:dump-create [options] [name]

5.1.3. Arguments

Name	Description
name	Name of created zip or directory

5.1.4. Options

Name	Description
--help	Display this help message
--no-heap-dump	Include or not the heap dump in ZIP archive
--no-thread-dump	Include or not the thread dump in ZIP archive
-d, --directory	Creates dump in a directory in place of a ZIP archive

CHAPTER 6. FEATURE

6.1. FEATURE:EXPORT-BUNDLES

6.1.1. Description

Export all of the bundles that make up a specified feature to a directory on the file system.

6.1.2. Syntax

```
feature:export-bundles [options] featureName exportLocation
```

6.1.3. Arguments

Name	Description
featureName	The name of the feature you want to export bundles for
exportLocation	Where you want to export the bundles

6.1.4. Options

Name	Description
-d, --dependencies-only	This flag indicates that only bundles marked as a dependency will be exported.
--help	Display this help message
-v, --version	The version of the feature you want to export bundles for. Default is latest

6.2. FEATURE:INFO

6.2.1. Description

Shows information about selected feature.

6.2.2. Syntax

```
feature:info [options] name [version]
```

6.2.3. Arguments

Name	Description
name	The name of the feature
version	The version of the feature

6.2.4. Options

Name	Description
--help	Display this help message
-d, --dependency	Display dependencies info
-b, --bundle	Display bundles info
-t, --tree	Display feature tree
-c, --configuration	Display configuration info
-x, --xml	Display feature xml
--conditional	Display conditional info
--color	Colorize output ('always', 'never' or 'auto')

6.3. FEATURE:INSTALL

6.3.1. Description

Installs a feature with the specified name and version.

6.3.2. Syntax

feature:install [options] features

6.3.3. Arguments

Name	Description
features	The name and version of the features to install. A feature id looks like name/version. The version is optional.

6.3.4. Options

Name	Description
-t, --simulate	Perform a simulation only
--features-wiring	Print the wiring between features
--help	Display this help message
-v, --verbose	Explain what is being done
--all-wiring	Print the full wiring
--store	Store the resolution into the given file and result for offline analysis
-u, --upgrade	Perform an upgrade of feature if previous version are installed or install it
-r, --no-auto-refresh	Do not automatically refresh bundles
-s, --no-auto-start	Do not start the bundles
-m, --no-auto-manage	Do not automatically manage bundles
-g, --region	Region to install to

6.4. FEATURE:LIST

6.4.1. Description

Lists all existing features available from the defined repositories.

6.4.2. Syntax

feature:list [options]

6.4.3. Options

Name	Description
-i, --installed	Display a list of all installed features only
-s, --show-hidden	Display hidden features
--help	Display this help message

Name	Description
-o, --ordered	Display a list using alphabetical order
-b, --show-blacklisted	Display blacklisted features
-r, --required	Display a list of all required features only
--no-format	Disable table rendered output

6.5. FEATURE:REGIONS

6.5.1. Description

Prints information about region digraph.

6.5.2. Syntax

feature:regions [options] [regions]

6.5.3. Arguments

Name	Description
regions	Regions to provide detailed info for.

6.5.4. Options

Name	Description
--help	Display this help message
-n, --namespaces	Show namespaces in each filter.
-f, --filters	Show filters.
-v, --verbose	Show all info.
-b, --bundles	Show bundles in each region.

6.6. FEATURE:REFRESH

6.6.1. Description

Reloads features processing instructions and reprovisions existing features.

6.6.2. Syntax

feature:refresh [options]

6.6.3. Options

Name	Description
-t, --simulate	Perform a simulation only
--features-wiring	Print the wiring between features
--help	Display this help message
-v, --verbose	Explain what is being done
--all-wiring	Print the full wiring

6.7. FEATURE:REPO-ADD

6.7.1. Description

Add a features repository

6.7.2. Syntax

feature:repo-add [options] name/url [version]

6.7.3. Arguments

Name	Description
name/url	Shortcut name of the features repository or the full URL
version	The version of the features repository if using features repository name as first argument. It should be empty if using the URL

6.7.4. Options

Name	Description
--help	Display this help message

Name	Description
-i, --install	Install all features contained in the features repository

6.8. FEATURE:REPO-LIST

6.8.1. Description

Displays a list of all defined repositories.

6.8.2. Syntax

feature:repo-list [options]

6.8.3. Options

Name	Description
--help	Display this help message
-r	Reload all feature urls
-b, --show-blacklisted	Also display blacklisted repositories
--no-format	Disable table rendered output

6.9. FEATURE:REPO-REFRESH

6.9.1. Description

Refresh a features repository

6.9.2. Syntax

feature:repo-refresh [options] [repository] [Feature version]

6.9.3. Arguments

Name	Description
repository	Shortcut name of the feature repository or the full URI
Feature version	The version of the feature if using the feature name. Should be empty if using the uri

6.9.4. Options

Name	Description
--help	Display this help message

6.10. FEATURE:REPO-REMOVE

6.10.1. Description

Removes the specified repository features service.

6.10.2. Syntax

```
feature:repo-remove [options] repository [Feature version]
```

6.10.3. Arguments

Name	Description
repository	Shortcut name of the feature repository or the full URI
Feature version	The version of the feature if using the feature name. Should be empty if using the uri

6.10.4. Options

Name	Description
--help	Display this help message
-u, --uninstall-all	Uninstall all features from the repository

6.11. FEATURE:REQUIREMENT-ADD

6.11.1. Description

Add provisioning requirements.

6.11.2. Syntax

```
feature:requirement-add [options] requirements
```

6.11.3. Arguments

Name	Description
requirements	

6.11.4. Options

Name	Description
-t, --simulate	Perform a simulation only
--features-wiring	Print the wiring between features
--help	Display this help message
-v, --verbose	Explain what is being done
--all-wiring	Print the full wiring
--store	Store the resolution into the given file and result for offline analysis
-r, --no-auto-refresh	Do not automatically refresh bundles
-s, --no-auto-start	Do not start the bundles
-m, --no-auto-manage	Do not automatically manage bundles
-g, --region	Region to install to

6.12. FEATURE:REQUIREMENT-LIST

6.12.1. Description

List provisioning requirements.

6.12.2. Syntax

feature:requirement-list [options]

6.12.3. Options

Name	Description
--help	Display this help message

Name	Description
--no-format	Disable table rendered output

6.13. FEATURE:REQUIREMENT-REMOVE

6.13.1. Description

Remove provisioning requirements.

6.13.2. Syntax

feature:requirement-remove [options] requirements

6.13.3. Arguments

Name	Description
requirements	

6.13.4. Options

Name	Description
-t, --simulate	Perform a simulation only
--features-wiring	Print the wiring between features
--help	Display this help message
-g, --region	Region to apply to
-v, --verbose	Explain what is being done
--all-wiring	Print the full wiring
--store	Store the resolution into the given file and result for offline analysis
-r, --no-auto-refresh	Do not automatically refresh bundles
-s, --no-auto-start	Do not start the bundles
-m, --no-auto-manage	Do not automatically manage bundles

6.14. FEATURE:START

6.14.1. Description

Start features with the specified name and version.

6.14.2. Syntax

feature:start [options] feature

6.14.3. Arguments

Name	Description
feature	The name and version of the features to start. A feature id looks like name/version.

6.14.4. Options

Name	Description
-t, --simulate	Perform a simulation only
--help	Display this help message
-g, --region	Region to apply to
-v, --verbose	Explain what is being done

6.15. FEATURE:STOP

6.15.1. Description

Stop features with the specified name and version.

6.15.2. Syntax

feature:stop [options] feature

6.15.3. Arguments

Name	Description
feature	The name and version of the features to stop. A feature id looks like name/version.

6.15.4. Options

Name	Description
-t, --simulate	Perform a simulation only
--help	Display this help message
-g, --region	Region to apply to
-v, --verbose	Explain what is being done

6.16. FEATURE:UNINSTALL

6.16.1. Description

Uninstalls a feature with the specified name and version.

6.16.2. Syntax

feature:uninstall [options] features

6.16.3. Arguments

Name	Description
features	The name and version of the features to uninstall. A feature id looks like name/version. The version is optional.

6.16.4. Options

Name	Description
-t, --simulate	Perform a simulation only
--help	Display this help message
-v, --verbose	Explain what is being done
-r, --no-auto-refresh	Do not automatically refresh bundles
-g, --region	Region to install to

6.17. FEATURE:VERSION-LIST

6.17.1. Description

Lists all versions of a feature available from the currently available repositories.

6.17.2. Syntax

`feature:version-list [options] feature`

6.17.3. Arguments

Name	Description
feature	Name of feature.

6.17.4. Options

Name	Description
<code>--help</code>	Display this help message
<code>--no-format</code>	Disable table rendered output

CHAPTER 7. HTTP

7.1. HTTP:LIST

7.1.1. Description

Lists details for servlets.

7.1.2. Syntax

```
http:list [options]
```

7.1.3. Options

Name	Description
--help	Display this help message
--no-format	Disable table rendered output

7.2. HTTP:PROXIES

7.2.1. Description

List the HTTP proxies

7.2.2. Syntax

```
http:proxies [options]
```

7.2.3. Options

Name	Description
--help	Display this help message

7.3. HTTP:PROXY-ADD

7.3.1. Description

Add a new HTTP proxy

7.3.2. Syntax

```
http:proxy-add [options] url proxyTo
```

7.3.3. Arguments

Name	Description
url	HTTP proxy URL
proxyTo	HTTP location to proxy on the prefix

7.3.4. Options

Name	Description
--help	Display this help message

7.4. HTTP:PROXY-REMOVE

7.4.1. Description

Remove an existing HTTP proxy

7.4.2. Syntax

http:proxy-remove [options] prefix

7.4.3. Arguments

Name	Description
prefix	The HTTP proxy prefix

7.4.4. Options

Name	Description
--help	Display this help message

CHAPTER 8. JAAS

8.1. JAAS:CANCEL

8.1.1. Description

Cancel the modification of a JAAS realm

8.1.2. Syntax

```
jaas:cancel [options]
```

8.1.3. Options

Name	Description
--help	Display this help message

8.2. JAAS:GROUP-ADD

8.2.1. Description

Make a user part of a group

8.2.2. Syntax

```
jaas:group-add [options] username group
```

8.2.3. Arguments

Name	Description
username	Username
group	Group

8.2.4. Options

Name	Description
--help	Display this help message

8.3. JAAS:GROUP-CREATE

8.3.1. Description

create a group in a realm

8.3.2. Syntax

jaas:group-create [options] group

8.3.3. Arguments

Name	Description
group	Group

8.3.4. Options

Name	Description
--help	Display this help message

8.4. JAAS:GROUP-DELETE

8.4.1. Description

Remove a user from a group

8.4.2. Syntax

jaas:group-delete [options] username group

8.4.3. Arguments

Name	Description
username	Username
group	Group

8.4.4. Options

Name	Description
--help	Display this help message

8.5. JAAS:GROUP-LIST

8.5.1. Description

List groups in a realm

8.5.2. Syntax

```
jaas:group-list [options]
```

8.5.3. Options

Name	Description
--help	Display this help message

8.6. JAAS:GROUP-ROLE-ADD

8.6.1. Description

Add a role to a group

8.6.2. Syntax

```
jaas:group-role-add [options] group role
```

8.6.3. Arguments

Name	Description
group	Group
role	Role

8.6.4. Options

Name	Description
--help	Display this help message

8.7. JAAS:GROUP-ROLE-DELETE

8.7.1. Description

Remove a role from a group

8.7.2. Syntax

jaas:group-role-delete [options] group role

8.7.3. Arguments

Name	Description
group	Group
role	Role

8.7.4. Options

Name	Description
--help	Display this help message

8.8. JAAS:PENDING-LIST

8.8.1. Description

List the pending modification on the active JAAS Realm/Login Module

8.8.2. Syntax

jaas:pending-list [options]

8.8.3. Options

Name	Description
--help	Display this help message

8.9. JAAS:REALM-LIST

8.9.1. Description

List JAAS realms

8.9.2. Syntax

jaas:realm-list [options]

8.9.3. Options

Name	Description
--help	Display this help message
-h, --hidden	Show hidden realms
--no-format	Disable table rendered output

8.10. JAAS:REALM-MANAGE

8.10.1. Description

Manage users and roles of a JAAS Realm

8.10.2. Syntax

```
jaas:realm-manage [options]
```

8.10.3. Options

Name	Description
-h, --hidden	Manage hidden realms
--help	Display this help message
--realm	JAAS Realm
-f, --force	Force the management of this realm, even if another one was under management
--index	Realm Index
--module	JAAS Login Module Class Name

8.11. JAAS:ROLE-ADD

8.11.1. Description

Add a role to a user

8.11.2. Syntax

```
jaas:role-add [options] username role
```

8.11.3. Arguments

Name	Description
username	User Name
role	Role

8.11.4. Options

Name	Description
--help	Display this help message

8.12. JAAS:ROLE-DELETE

8.12.1. Description

Delete a role from a user

8.12.2. Syntax

jaas:role-delete [options] username role

8.12.3. Arguments

Name	Description
username	User Name
role	Role

8.12.4. Options

Name	Description
--help	Display this help message

8.13. JAAS:SU

8.13.1. Description

Substitute user identity

8.13.2. Syntax

```
jaas:su [options] [user]
```

8.13.3. Arguments

Name	Description
user	Name of the user to substitute (defaults to karaf)

8.13.4. Options

Name	Description
--help	Display this help message
--realm	

8.14. JAAS:SUDO

8.14.1. Description

Execute a command as another user

8.14.2. Syntax

```
jaas:sudo [options] [command]
```

8.14.3. Arguments

Name	Description
command	

8.14.4. Options

Name	Description
--help	Display this help message
--realm	
--user	

8.15. JAAS:UPDATE

8.15.1. Description

Apply pending modification on the edited JAAS Realm

8.15.2. Syntax

jaas:update [options]

8.15.3. Options

Name	Description
--help	Display this help message

8.16. JAAS:USER-ADD

8.16.1. Description

Add a user

8.16.2. Syntax

jaas:user-add [options] username password

8.16.3. Arguments

Name	Description
username	User Name
password	Password

8.16.4. Options

Name	Description
--help	Display this help message

8.17. JAAS:USER-DELETE

8.17.1. Description

Delete a user

8.17.2. Syntax

```
jaas:user-delete [options] username
```

8.17.3. Arguments

Name	Description
username	User Name

8.17.4. Options

Name	Description
--help	Display this help message

8.18. JAAS:USER-LIST

8.18.1. Description

List the users of the selected JAAS realm/login module

8.18.2. Syntax

```
jaas:user-list [options]
```

8.18.3. Options

Name	Description
--help	Display this help message
--no-format	Disable table rendered output

8.19. JAAS:WHOAMI

8.19.1. Description

List currently active principals according to JAAS.

8.19.2. Syntax

```
jaas:whoami [options]
```

8.19.3. Options

Name	Description
--help	Display this help message
--no-format	Disable table rendered output.
-g, --groups	Show groups instead of user.
-a, --all	Show all JAAS principals regardless of type.
-r, --roles	Show roles instead of user.

CHAPTER 9. JDBC

9.1. JDBC:DS-CREATE

9.1.1. Description

Create a JDBC datasource config for pax-jdbc-config from a DataSourceFactory

9.1.2. Syntax

```
jdbc:ds-create [options] name
```

9.1.3. Arguments

Name	Description
name	The JDBC datasource name

9.1.4. Options

Name	Description
-p, --password	The database password
--help	Display this help message
-dt, --databaseType	The database type (ConnectionPoolDataSource, XADataSource or DataSource)
-dbName	Database name to use
-dn, --driverName	org.osgi.driver.name property of the DataSourceFactory
-url	The JDBC URL to use
-dc, --driverClass	org.osgi.driver.class property of the DataSourceFactory
-u, --username	The database username

9.2. JDBC:DS-DELETE

9.2.1. Description

Delete a JDBC datasource

9.2.2. Syntax

`jdbc:ds-delete [options] name`

9.2.3. Arguments

Name	Description
name	The JDBC datasource name (the one used at creation time)

9.2.4. Options

Name	Description
--help	Display this help message

9.3. JDBC:DS-FACTORIES

9.3.1. Description

List the JDBC DataSourceFactories

9.3.2. Syntax

`jdbc:ds-factories [options]`

9.3.3. Options

Name	Description
--help	Display this help message

9.4. JDBC:DS-INFO

9.4.1. Description

Display details about a JDBC datasource

9.4.2. Syntax

`jdbc:ds-info [options] datasource`

9.4.3. Arguments

Name	Description
datasource	The JDBC datasource name

9.4.4. Options

Name	Description
--help	Display this help message

9.5. JDBC:DS-LIST

9.5.1. Description

List the JDBC datasources

9.5.2. Syntax

jdbc:ds-list [options]

9.5.3. Options

Name	Description
--help	Display this help message

9.6. JDBC:EXECUTE

9.6.1. Description

Execute a SQL command on a given JDBC datasource

9.6.2. Syntax

jdbc:execute [options] datasource command

9.6.3. Arguments

Name	Description
datasource	The JDBC datasource
command	The SQL command to execute

9.6.4. Options

Name	Description
--help	Display this help message

9.7. JDBC:QUERY

9.7.1. Description

Execute a SQL query on a JDBC datasource

9.7.2. Syntax

`jdbc:query [options] datasource query`

9.7.3. Arguments

Name	Description
datasource	The JDBC datasource to use
query	The SQL query to execute

9.7.4. Options

Name	Description
--help	Display this help message

9.8. JDBC:TABLES

9.8.1. Description

List the tables on a given JDBC datasource

9.8.2. Syntax

`jdbc:tables [options] datasource`

9.8.3. Arguments

Name	Description
datasource	The JDBC datasource to use

9.8.4. Options

Name	Description
--help	Display this help message

CHAPTER 10. JMS

10.1. JMS:BROWSE

10.1.1. Description

Browse a JMS queue

10.1.2. Syntax

`jms:browse [options] connectionFactory queue`

10.1.3. Arguments

Name	Description
<code>connectionFactory</code>	The JMS connection factory name
<code>queue</code>	The JMS queue to browse

10.1.4. Options

Name	Description
<code>--help</code>	Display this help message
<code>-v, --verbose</code>	Display JMS properties
<code>-s, --selector</code>	The selector to select the messages to browse
<code>-p, --password</code>	Password to connect to the JMS broker
<code>-u, --username</code>	Username to connect to the JMS broker

10.2. JMS:CONNECTIONFACTORIES

10.2.1. Description

List the JMS connection factories

10.2.2. Syntax

`jms:connectionfactories [options]`

10.2.3. Options

Name	Description
--help	Display this help message

10.3. JMS:CONSUME

10.3.1. Description

Consume messages from a JMS queue.

10.3.2. Syntax

jms:consume [options] connectionFactory queue

10.3.3. Arguments

Name	Description
connectionFactory	The JMS connection factory name
queue	The JMS queue where to consume messages

10.3.4. Options

Name	Description
--help	Display this help message
-s, --selector	The selector to use to select the messages to consume
-p, --password	Password to connect to the JMS broker
-u, --username	Username to connect to the JMS broker

10.4. JMS:COUNT

10.4.1. Description

Count the number of messages on a JMS queue.

10.4.2. Syntax

jms:count [options] connectionFactory queue

10.4.3. Arguments

Name	Description
connectionFactory	The JMS connection factory name
queue	The JMS queue name

10.4.4. Options

Name	Description
--help	Display this help message
-p, --password	Password to connect to the JMS broker
-u, --username	Username to connect to the JMS broker

10.5. JMS:CREATE

10.5.1. Description

Create a JMS connection factory.

10.5.2. Syntax

```
jms:create [options] name
```

10.5.3. Arguments

Name	Description
name	The JMS connection factory name

10.5.4. Options

Name	Description
--help	Display this help message
-t, --type	The JMS connection factory type (ActiveMQ, Artemis or WebsphereMQ)
--url	URL of the JMS broker. For WebsphereMQ type, the URL is hostname/port/queuemanager/channel

Name	Description
-p, --password	Password to connect to the JMS broker
-u, --username	Username to connect to the JMS broker

10.6. JMS:DELETE

10.6.1. Description

Delete a JMS connection factory

10.6.2. Syntax

jms:delete [options] name

10.6.3. Arguments

Name	Description
name	The JMS connection factory name

10.6.4. Options

Name	Description
--help	Display this help message

10.7. JMS:INFO

10.7.1. Description

Provides details about a JMS connection factory.

10.7.2. Syntax

jms:info [options] connectionFactory

10.7.3. Arguments

Name	Description
connectionFactory	The JMS connection factory name

10.7.4. Options

Name	Description
--help	Display this help message
-p, --password	Password to connect to the JMS broker
-u, --username	Username to connect to the JMS broker

10.8. JMS:MOVE

10.8.1. Description

Move messages from one JMS queue to another one.

10.8.2. Syntax

jms:move [options] connectionFactory source destination

10.8.3. Arguments

Name	Description
connectionFactory	The JMS connection factory name
source	The source JMS queue
destination	The destination JMS queue

10.8.4. Options

Name	Description
--help	Display this help message
-s, --selector	Selector to move only some messages
-p, --password	Password to connect to the JMS broker
-u, --username	Username to connect to the JMS broker

10.9. JMS:QUEUES

10.9.1. Description

List the JMS queues.

10.9.2. Syntax

```
jms:queues [options] connectionFactory
```

10.9.3. Arguments

Name	Description
connectionFactory	The JMS connection factory name

10.9.4. Options

Name	Description
--help	Display this help message
-p, --password	Password to connect to the JMS broker
-u, --username	Username to connect to the JMS broker

10.10. JMS:SEND

10.10.1. Description

Send a message to

10.10.2. Syntax

```
jms:send [options] connectionFactory queue message
```

10.10.3. Arguments

Name	Description
connectionFactory	The JMS connection factory name
queue	The JMS queue name
message	The JMS message content

10.10.4. Options

Name	Description
--help	Display this help message
-r, --replyTo	Set the message ReplyTo
-p, --password	Password to connect to the JMS broker
-u, --username	Username to connect to the JMS broker

10.11. JMS:TOPICS

10.11.1. Description

List the JMS topics.

10.11.2. Syntax

```
jms:topics [options] connectionFactory
```

10.11.3. Arguments

Name	Description
connectionFactory	The JMS connection factory name

10.11.4. Options

Name	Description
--help	Display this help message
-p, --password	Password to connect to the JMS broker
-u, --username	Username to connect to the JMS broker

CHAPTER 11. JNDI

11.1. JNDI:ALIAS

11.1.1. Description

Create a JNDI alias on a given name.

11.1.2. Syntax

```
jndi:alias [options] name alias
```

11.1.3. Arguments

Name	Description
name	The JNDI name
alias	The JNDI alias

11.1.4. Options

Name	Description
--help	Display this help message

11.2. JNDI:BIND

11.2.1. Description

Bind an OSGi service in the JNDI context

11.2.2. Syntax

```
jndi:bind [options] service name
```

11.2.3. Arguments

Name	Description
service	The ID of the OSGi service to bind
name	The JNDI name to bind the OSGi service

11.2.4. Options

Name	Description
--help	Display this help message

11.3. JNDI:CONTEXTS

11.3.1. Description

List the JNDI sub-contexts.

11.3.2. Syntax

`jndi:contexts [options] [context]`

11.3.3. Arguments

Name	Description
context	The base JNDI context

11.3.4. Options

Name	Description
--help	Display this help message

11.4. JNDI:CREATE

11.4.1. Description

Create a new JNDI sub-context.

11.4.2. Syntax

`jndi:create [options] context`

11.4.3. Arguments

Name	Description
context	The JNDI sub-context name

11.4.4. Options

Name	Description
--help	Display this help message

11.5. JNDI:DELETE

11.5.1. Description

Delete a JNDI sub-context.

11.5.2. Syntax

`jndi:delete [options] context`

11.5.3. Arguments

Name	Description
context	The JNDI sub-context name

11.5.4. Options

Name	Description
--help	Display this help message

11.6. JNDI:NAMES

11.6.1. Description

List the JNDI names.

11.6.2. Syntax

`jndi:names [options] [context]`

11.6.3. Arguments

Name	Description
context	The JNDI context to display the names

11.6.4. Options

Name	Description
--help	Display this help message

11.7. JNDI:UNBIND

11.7.1. Description

Unbind a JNDI name.

11.7.2. Syntax

```
jndi:unbind [options] name
```

11.7.3. Arguments

Name	Description
name	The JNDI name to unbind

11.7.4. Options

Name	Description
--help	Display this help message

CHAPTER 12. KAR

12.1. KAR:CREATE

12.1.1. Description

Create a kar file for a list of feature repos

12.1.2. Syntax

```
kar:create [options] repoName [features]
```

12.1.3. Arguments

Name	Description
repoName	Repository name. The kar will contain all features of the named repository by default
features	Names of the features to include. If set then only these features will be added

12.1.4. Options

Name	Description
--help	Display this help message

12.2. KAR:INSTALL

12.2.1. Description

Installs a KAR file.

12.2.2. Syntax

```
kar:install [options] url
```

12.2.3. Arguments

Name	Description
url	The URL of the KAR file to install.

12.2.4. Options

Name	Description
--help	Display this help message
--no-start	Do not start the bundles automatically

12.3. KAR:LIST

12.3.1. Description

List the installed KAR files.

12.3.2. Syntax

kar:list [options]

12.3.3. Options

Name	Description
--help	Display this help message
--no-format	Disable table rendered output

12.4. KAR:UNINSTALL

12.4.1. Description

Uninstall a KAR file.

12.4.2. Syntax

kar:uninstall [options] name

12.4.3. Arguments

Name	Description
name	The name of the KAR file to uninstall.

12.4.4. Options

Name	Description
--help	Display this help message

CHAPTER 13. LOG

13.1. LOG:CLEAR

13.1.1. Description

Clear log entries.

13.1.2. Syntax

log:clear [options]

13.1.3. Options

Name	Description
--help	Display this help message

13.2. LOG:DISPLAY

13.2.1. Description

Displays log entries.

13.2.2. Syntax

log:display [options] [logger]

13.2.3. Arguments

Name	Description
logger	The name of the logger. This can be ROOT, ALL, or the name of a logger specified in the org.ops4j.pax.logger.cfg file.

13.2.4. Options

Name	Description
-p	Pattern for formatting the output
--help	Display this help message
--no-color	Disable syntax coloring of log events

Name	Description
-n	Number of entries to display
-l, --level	The minimal log level to display

13.3. LOG:EXCEPTION-DISPLAY

13.3.1. Description

Displays the last occurred exception from the log.

13.3.2. Syntax

log:exception-display [options] [logger]

13.3.3. Arguments

Name	Description
logger	The name of the logger. This can be ROOT, ALL, or the name of a logger specified in the org.ops4j.pax.logger.cfg file.

13.3.4. Options

Name	Description
--help	Display this help message

13.4. LOG:GET

13.4.1. Description

Shows the currently set log level.

13.4.2. Syntax

log:get [options] [logger]

13.4.3. Arguments

Name	Description
logger	The name of the logger or ALL (default)

13.4.4. Options

Name	Description
--help	Display this help message
--no-format	Disable table rendered output

13.5. LOG:LOAD-TEST

13.5.1. Description

Load test log.

13.5.2. Syntax

log:load-test [options]

13.5.3. Options

Name	Description
--help	Display this help message
--messaged	
--threads	

13.6. LOG:LOG

13.6.1. Description

Log a message.

13.6.2. Syntax

log:log [options] message

13.6.3. Arguments

Name	Description
message	The message to log

13.6.4. Options

Name	Description
--help	Display this help message
--level, -l	The level the message will be logged at

13.7. LOG:SET

13.7.1. Description

Sets the log level.

13.7.2. Syntax

```
log:set [options] level [logger]
```

13.7.3. Arguments

Name	Description
level	The log level to set (TRACE, DEBUG, INFO, WARN, ERROR) or DEFAULT to unset
logger	Logger name or ROOT (default)

13.7.4. Options

Name	Description
--help	Display this help message

13.8. LOG:TAIL

13.8.1. Description

Continuously display log entries. Use ctrl-c to quit this command

13.8.2. Syntax

log:tail [options] [logger]

13.8.3. Arguments

Name	Description
logger	The name of the logger. This can be ROOT, ALL, or the name of a logger specified in the org.ops4j.pax.logger.cfg file.

13.8.4. Options

Name	Description
-p	Pattern for formatting the output
--help	Display this help message
--no-color	Disable syntax coloring of log events
-n	Number of entries to display
-l, --level	The minimal log level to display

CHAPTER 14. MAVEN

14.1. MAVEN:HTTP-PROXY-LIST

14.1.1. Description

Lists HTTP proxy configurations for Maven remote repositories

14.1.2. Syntax

```
maven:http-proxy-list [options]
```

14.1.3. Options

Name	Description
--help	Display this help message
-x, --show-passwords	Do not hide passwords related to Maven encryption

14.2. MAVEN:HTTP-PROXY

14.2.1. Description

Manage HTTP proxy configuration for Maven remote repositories

14.2.2. Syntax

```
maven:http-proxy [options] [hostPort]
```

14.2.3. Arguments

Name	Description
hostPort	host:port of HTTP proxy

14.2.4. Options

Name	Description
-p, --password	Password for remote repository (may be encrypted, see "maven:password -ep")
--help	Display this help message

Name	Description
-f, --force	Do not ask for confirmation
-id	Identifier of HTTP proxy
--change	Changes HTTP proxy configuration in Maven settings
-n, --non-proxy-hosts	Non-proxied hosts (in the format '192.168.* localhost ...')
--remove	Removes HTTP proxy configuration from Maven settings
--add	Adds HTTP proxy configuration to Maven settings
-u, --username	Username for remote repository
-x, --show-passwords	Do not hide passwords related to Maven encryption

14.3. MAVEN:PASSWORD

14.3.1. Description

Manage passwords for remote repositories and proxies

14.3.2. Syntax

maven:password [options]

14.3.3. Options

Name	Description
-emp, --encrypt-master-password	Encrypts master password used to encrypt/decrypt other passwords, see "mvn -emp"
--help	Display this help message
-ep, --encrypt-password	Encrypts passwords to use for remote repositories and proxies, see "mvn -ep"
-p, --persist	

14.4. MAVEN:REPOSITORY-ADD

14.4.1. Description

Adds Maven repository

14.4.2. Syntax

```
maven:repository-add [options] [uri]
```

14.4.3. Arguments

Name	Description
uri	Repository URI. It may be file:// based, http(s):// based, may use other known protocol or even property placeholders (like <code>\${karaf.base}</code>)

14.4.4. Options

Name	Description
-nr, --no-releases	Disable release handling in this repository
-p, --password	Password for remote repository (may be encrypted, see "maven:password -ep")
--help	Display this help message
-f, --force	Do not ask for confirmation
-id	Identifier of repository
-idx	Index at which new repository is to be inserted (0-based) (defaults to last - repository will be appended)
-d, --default	Edit default repository instead of remote one
-s, --snapshots	Enable SNAPSHOT handling in the repository
-cp, --checksum-policy	Checksum policy for repository (ignore, warn (default), fail)
-u, --username	Username for remote repository
-x, --show-passwords	Do not hide passwords related to Maven encryption
-up, --update-policy	Update policy for repository (never, daily (default), interval:N, always)

14.5. MAVEN:REPOSITORY-CHANGE

14.5.1. Description

Changes configuration of Maven repository

14.5.2. Syntax

maven:repository-change [options] [uri]

14.5.3. Arguments

Name	Description
uri	Repository URI. It may be file:// based, http(s):// based, may use other known protocol or even property placeholders (like <code>\${karaf.base}</code>)

14.5.4. Options

Name	Description
-nr, --no-releases	Disable release handling in this repository
-p, --password	Password for remote repository (may be encrypted, see "maven:password -ep")
--help	Display this help message
-f, --force	Do not ask for confirmation
-id	Identifier of repository
-d, --default	Edit default repository instead of remote one
-s, --snapshots	Enable SNAPSHOT handling in the repository
-cp, --checksum-policy	Checksum policy for repository (ignore, warn (default), fail)
-u, --username	Username for remote repository
-x, --show-passwords	Do not hide passwords related to Maven encryption
-up, --update-policy	Update policy for repository (never, daily (default), interval:N, always)

14.6. MAVEN:REPOSITORY-LIST

14.6.1. Description

Maven repository summary.

14.6.2. Syntax

maven:repository-list [options]

14.6.3. Options

Name	Description
--help	Display this help message
-v, --verbose	Show additional information (policies, source)
-x, --show-passwords	Do not hide passwords related to Maven encryption

14.7. MAVEN:REPOSITORY-REMOVE

14.7.1. Description

Removes Maven repository

14.7.2. Syntax

maven:repository-remove [options]

14.7.3. Options

Name	Description
--help	Display this help message
-f, --force	Do not ask for confirmation
-id	Identifier of repository
-d, --default	Edit default repository instead of remote one
-x, --show-passwords	Do not hide passwords related to Maven encryption

14.8. MAVEN:SUMMARY

14.8.1. Description

Maven configuration summary.

14.8.2. Syntax

maven:summary [options]

14.8.3. Options

Name	Description
--help	Display this help message
-p, --property-ids	Use PID property identifiers instead of their names
-s, --source	Adds information about where the value is configured
-d, --description	Adds description of Maven configuration options
-x, --show-passwords	Do not hide passwords related to Maven encryption

CHAPTER 15. OBR

15.1. OBR:DEPLOY

15.1.1. Description

Deploys a list of bundles using OBR service.

15.1.2. Syntax

```
obr:deploy [options] bundles
```

15.1.3. Arguments

Name	Description
bundles	List of bundle names to deploy (separated by whitespaces). The bundles are identified using the following syntax: <code>symbolic_name,version</code> where version is optional.

15.1.4. Options

Name	Description
--help	Display this help message
-d, --deployOptional	Deploy optional bundles
-s, --start	Start the deployed bundles

15.2. OBR:FIND

15.2.1. Description

Find OBR bundles for a given filter.

15.2.2. Syntax

```
obr:find [options] requirements
```

15.2.3. Arguments

Name	Description
requirements	Requirement

Name	Description
------	-------------

15.2.4. Options

Name	Description
--help	Display this help message

15.3. OBR:INFO

15.3.1. Description

Prints information about OBR bundles.

15.3.2. Syntax

obr:info [options] bundles

15.3.3. Arguments

Name	Description
bundles	Specify bundles to query for information (separated by whitespaces). The bundles are identified using the following syntax: symbolic_name,version where version is optional.

15.3.4. Options

Name	Description
--help	Display this help message

15.4. OBR:LIST

15.4.1. Description

Lists OBR bundles, optionally providing the given packages.

15.4.2. Syntax

obr:list [options] [packages]

15.4.3. Arguments

Name	Description
packages	A list of packages separated by whitespaces.

15.4.4. Options

Name	Description
--help	Display this help message
--no-format	Disable table rendered output

15.5. OBR:RESOLVE

15.5.1. Description

Shows the resolution output for a given set of requirements.

15.5.2. Syntax

obr:resolve [options] requirements

15.5.3. Arguments

Name	Description
requirements	Requirements

15.5.4. Options

Name	Description
-w, --why	Display the reason of the inclusion of the resource
--help	Display this help message
--no-remote	Ignore remote resources during resolution
-l, --no-local	Ignore local resources during resolution
--deploy	Deploy the selected bundles

Name	Description
--optional	Resolve optional dependencies
--start	Deploy and start the selected bundles

15.6. OBR:SOURCE

15.6.1. Description

Downloads the sources for an OBR bundle.

15.6.2. Syntax

obr:source [options] folder bundles

15.6.3. Arguments

Name	Description
folder	Local folder for storing sources
bundles	List of bundles to download the sources for. The bundles are identified using the following syntax: symbolic_name,version where version is optional.

15.6.4. Options

Name	Description
--help	Display this help message
-x	Extract the archive

15.7. OBR:START

15.7.1. Description

Deploys and starts a list of bundles using OBR.

15.7.2. Syntax

obr:start [options] bundles

15.7.3. Arguments

Name	Description
bundles	List of bundles to deploy (separated by whitespaces). The bundles are identified using the following syntax: <code>symbolic_name,version</code> where version is optional.

15.7.4. Options

Name	Description
--help	Display this help message
-d, --deployOptional	Deploy optional bundles

15.8. OBR:URL-ADD

15.8.1. Description

Adds a list of repository URLs to the OBR service.

15.8.2. Syntax

`obr:url-add [options] urls`

15.8.3. Arguments

Name	Description
urls	Repository URLs to add to the OBR service separated by whitespaces

15.8.4. Options

Name	Description
--help	Display this help message

15.9. OBR:URL-LIST

15.9.1. Description

Displays the repository URLs currently associated with the OBR service.

15.9.2. Syntax

obr:url-list [options]

15.9.3. Options

Name	Description
--help	Display this help message
--no-format	Disable table rendered output

15.10. OBR:URL-REFRESH

15.10.1. Description

Reloads the repositories to obtain a fresh list of bundles.

15.10.2. Syntax

obr:url-refresh [options] [ids]

15.10.3. Arguments

Name	Description
ids	Repository URLs (or indexes if you use -i) to refresh (leave empty for all)

15.10.4. Options

Name	Description
-i, --index	Use index to identify URL
--help	Display this help message

15.11. OBR:URL-REMOVE

15.11.1. Description

Removes a list of repository URLs from the OBR service.

15.11.2. Syntax

obr:url-remove [options] ids

15.11.3. Arguments

Name	Description
ids	Repository URLs (or indexes if you use -i) to remove from OBR service

15.11.4. Options

Name	Description
-i, --index	Use index to identify URL
--help	Display this help message

CHAPTER 16. PACKAGE

16.1. PACKAGE:EXPORTS

16.1.1. Description

Lists exported packages and the bundles that export them

16.1.2. Syntax

package:exports [options]

16.1.3. Options

Name	Description
--help	Display this help message
-b	Only show packages exported by given bundle id
-d	Only show packages that are exported by more than one bundle
--show-name-only	Show only package name
-p	Only show package starting with given name
--no-format	Disable table rendered output

16.2. PACKAGE:IMPORTS

16.2.1. Description

Lists imported packages and the bundles that import them

16.2.2. Syntax

package:imports [options]

16.2.3. Options

Name	Description
--help	Display this help message
-b	Only show imports of the given bundle id

Name	Description
--show-name-only	Show only package name
--filter	Only show package instead of full filter
-p	Only show package starting with given name
--no-format	Disable table rendered output

CHAPTER 17. PROFILE

17.1. PROFILE:CHANGE-PARENTS

17.1.1. Description

Replace the profile's parents with the specified list of parents

17.1.2. Syntax

profile:change-parents [options] profile parents

17.1.3. Arguments

Name	Description
profile	Name of the profile.
parents	The list of new parent profiles.

17.1.4. Options

Name	Description
--help	Display this help message

17.2. PROFILE:COPY

17.2.1. Description

Copies the specified source profile

17.2.2. Syntax

profile:copy [options] source profile target profile

17.2.3. Arguments

Name	Description
source profile	Name of the source profile.
target profile	Name of the target profile.

17.2.4. Options

Name	Description
--help	Display this help message
-f, --force	Flag to allow overwriting the target profile (if exists).

17.3. PROFILE:CREATE

17.3.1. Description

Create a new profile with the specified name and parents

17.3.2. Syntax

profile:create [options] [profileId]

17.3.3. Arguments

Name	Description
profileId	

17.3.4. Options

Name	Description
--help	Display this help message
--parents	Optionally specifies one or multiple parent profiles. To specify multiple parent profiles, specify this flag multiple times on the command line. For example, --parents foo --parents bar.

17.3.5. Details

classpath:profileCreate.txt

17.4. PROFILE:DELETE

17.4.1. Description

Delete the specified profile

17.4.2. Syntax

profile:delete [options] profile

17.4.3. Arguments

Name	Description
profile	Name of the profile to delete.

17.4.4. Options

Name	Description
--help	Display this help message

17.5. PROFILE:DISPLAY

17.5.1. Description

Displays information about the specified profile

17.5.2. Syntax

profile:display [options] profile

17.5.3. Arguments

Name	Description
profile	The name of the profile.

17.5.4. Options

Name	Description
--overlay, -o	Shows the overlay profile settings, taking into account the settings inherited from parent profiles.
--help	Display this help message
--effective, -e	Shows the effective profile settings, taking into account properties substitution.
--display-resources, -r	Displays the content of additional profile resources.

17.6. PROFILE:EDIT

17.6.1. Description

Edits the specified profile

17.6.2. Syntax

profile:edit [options] profile

17.6.3. Arguments

Name	Description
profile	The target profile to edit

17.6.4. Options

Name	Description
--remove	Removes value from a delimited list. It is only usable with the system, config & pid options
--help	Display this help message
--delete	Delete values. This option can be used to delete a feature, a bundle or a pid from the profile.
--append	Append value to a delimited list. It is only usable with the system, config & pid options
-c, --config	Edit the Java system properties that affect the karaf container (analogous to editing etc/config.properties in a root container).
--delimiter	Specifies the delimiter to use for appends and removals.
-x, --extension	Edit extension libraries. To specify multiple libraries, specify this flag multiple times.
-p, --pid	Edit an OSGi configuration property, specified in the format <PID>/<Property>. To specify multiple properties, specify this flag multiple times.
--resource	Selects a resource under the profile to edit. This option should only be used alone.
--set	Set or create values (selected by default).

Name	Description
-i, --import-pid	Imports the pids that are edited, from local OSGi config admin
-f, --features	Edit features. To specify multiple features, specify this flag multiple times. For example, --features foo -features bar.
-r, --repositories	Edit the features repositories. To specify multiple repositories, specify this flag multiple times.
-o, --overrides	Edit overrides. To specify multiple libraries, specify this flag multiple times.
-s, --system	Edit the Java system properties that affect installed bundles (analogous to editing etc/system.properties in a root container).
-b, --bundles	Edit bundles. To specify multiple bundles, specify this flag multiple times.
-n, --endorsed	Edit endorsed libraries. To specify multiple libraries, specify this flag multiple times.
-l, --libs	Edit libraries. To specify multiple libraries, specify this flag multiple times.

17.6.5. Details

classpath:profileEdit.txt

17.7. PROFILE:LIST

17.7.1. Description

Lists all profiles

17.7.2. Syntax

profile:list [options]

17.7.3. Options

Name	Description
--help	Display this help message

Name	Description
--hidden	Display hidden profiles

17.8. PROFILE:RENAME

17.8.1. Description

Rename the specified source profile

17.8.2. Syntax

profile:rename [options] profile name new profile name

17.8.3. Arguments

Name	Description
profile name	Name of the profile.
new profile name	New name of the profile.

17.8.4. Options

Name	Description
-f, --force	Flag to allow replacing the target profile (if exists).
--help	Display this help message
--version	The profile version to rename. Defaults to the current default version.

CHAPTER 18. SCHEDULER

18.1. SCHEDULER:LIST

18.1.1. Description

List scheduled jobs

18.1.2. Syntax

`scheduler:list [options]`

18.1.3. Options

Name	Description
<code>--help</code>	Display this help message

18.2. SCHEDULER:RESCHEDULE

18.2.1. Description

Update scheduling of an existing job

18.2.2. Syntax

`scheduler:reschedule [options] name`

18.2.3. Arguments

Name	Description
<code>name</code>	The job name

18.2.4. Options

Name	Description
<code>--help</code>	Display this help message
<code>--period</code>	Time during executions (in seconds)
<code>--at</code>	Absolute date in ISO format (ex: 2014-05-13T13:56:45)

Name	Description
--times	Number of times this job should be executed
--concurrent	Should jobs run concurrently or not (defaults to false)
--cron	The cron expression

18.3. SCHEDULER:SCHEDULE

18.3.1. Description

Schedule a script execution

18.3.2. Syntax

`scheduler:schedule [options] script`

18.3.3. Arguments

Name	Description
script	The script to schedule

18.3.4. Options

Name	Description
--help	Display this help message
--period	Time during executions (in seconds)
--at	Absolute date in ISO format (ex: 2014-05-13T13:56:45)
--times	Number of times this job should be executed
--name	Name of this job
--concurrent	Should jobs run concurrently or not (defaults to false)
--cron	The cron expression

18.4. SCHEDULER:TRIGGER

18.4.1. Description

Manually trigger a scheduled job

18.4.2. Syntax

`scheduler:trigger [options] name`

18.4.3. Arguments

Name	Description
name	Name of the job to trigger

18.4.4. Options

Name	Description
--help	Display this help message
-b, background	schedule the trigger in the background

18.5. SCHEDULER:UNSCHEDULE

18.5.1. Description

Unschedule a job

18.5.2. Syntax

`scheduler:unschedule [options] [name]`

18.5.3. Arguments

Name	Description
name	

18.5.4. Options

Name	Description
--help	Display this help message

CHAPTER 19. SCR

19.1. SCR:ACTIVATE

19.1.1. Description

Activates a Component for the given name

19.1.2. Syntax

```
scr:activate [options] name
```

19.1.3. Arguments

Name	Description
name	The name of the Component to activate

19.1.4. Options

Name	Description
--help	Display this help message
-s, --show-hidden	Show all Components including the System Components (hidden by default)

19.2. SCR:COMPONENTS

19.2.1. Description

Display available components

19.2.2. Syntax

```
scr:components [options]
```

19.2.3. Options

Name	Description
--help	Display this help message
-s, --show-hidden	Show all Components including the System Components (hidden by default)

19.3. SCR:DEACTIVATE

19.3.1. Description

Deactivates a Component for the given name

19.3.2. Syntax

scr:deactivate [options] name

19.3.3. Arguments

Name	Description
name	The name of the Component to deactivate

19.3.4. Options

Name	Description
--help	Display this help message
-s, --show-hidden	Show all Components including the System Components (hidden by default)

19.4. SCR:DETAILS

19.4.1. Description

Display available components

19.4.2. Syntax

scr:details [options] name

19.4.3. Arguments

Name	Description
name	The component name

19.4.4. Options

Name	Description
--help	Display this help message
-s, --show-hidden	Show all Components including the System Components (hidden by default)

CHAPTER 20. SERVICE

20.1. SERVICE:LIST

20.1.1. Description

Lists OSGi services.

20.1.2. Syntax

```
service:list [options] [objectClass]
```

20.1.3. Arguments

Name	Description
objectClass	Name of service objectClass to filter for

20.1.4. Options

Name	Description
-a	Shows all services. (By default Karaf commands are hidden)
--help	Display this help message
-n	Shows only service class names

20.2. SERVICE:WAIT

20.2.1. Description

Wait for a given OSGi service.

20.2.2. Syntax

```
service:wait [options] service
```

20.2.3. Arguments

Name	Description
service	The service class or filter

20.2.4. Options

Name	Description
-t, --timeout	timeout to wait for the service (in milliseconds, negative to not wait at all, zero to wait forever)
--help	Display this help message
-e, --exception	throw an exception if the service is not found after the timeout

CHAPTER 21. SHELL

21.1. SHELL:COMPLETION

21.1.1. Description

Display or change the completion mode on the current console session.

21.1.2. Syntax

```
shell:completion [options] [mode]
```

21.1.3. Arguments

Name	Description
mode	The completion mode to set. The valid completion modes are: global, first, subshell.

21.1.4. Options

Name	Description
--help	Display this help message

21.2. SHELL:EXEC

21.2.1. Description

Executes system processes.

21.2.2. Syntax

```
shell:exec [options] command
```

21.2.3. Arguments

Name	Description
command	Execution command with arguments

21.2.4. Options

Name	Description
--help	Display this help message

21.3. SHELL:INFO

21.3.1. Description

Prints system information.

21.3.2. Syntax

shell:info [options]

21.3.3. Options

Name	Description
--help	Display this help message
--memory-pools, -mp	Includes detailed information about memory pools

21.4. SHELL:JAVA

21.4.1. Description

Executes a Java standard application.

21.4.2. Syntax

shell:java [options] className [arguments]

21.4.3. Arguments

Name	Description
className	The name of the class to invoke
arguments	Arguments to pass to the method of the given class

21.4.4. Options

Name	Description
--help	Display this help message
-m, --method	Invoke a named method

21.5. SHELL:LOGOUT

21.5.1. Description

Disconnects shell from current session.

21.5.2. Syntax

shell:logout [options]

21.5.3. Options

Name	Description
--help	Display this help message

21.6. SHELL:PRINTF

21.6.1. Description

Formats and prints arguments.

21.6.2. Syntax

shell:printf [options] format arguments

21.6.3. Arguments

Name	Description
format	The format pattern to use
arguments	The arguments for the given format pattern

21.6.4. Options

Name	Description
--help	Display this help message

21.7. SHELL:SOURCE

21.7.1. Description

Run a script

21.7.2. Syntax

shell:source [options] script [args]

21.7.3. Arguments

Name	Description
script	A URI pointing to the script
args	Arguments for the script

21.7.4. Options

Name	Description
--help	Display this help message

21.8. SHELL:STACK-TRACES-PRINT

21.8.1. Description

Prints the full stack trace in the console when the execution of a command throws an exception.

21.8.2. Syntax

shell:stack-traces-print [options] [print]

21.8.3. Arguments

Name	Description
print	Print stack traces or not (defaults to true)

21.8.4. Options

Name	Description
--help	Display this help message

21.9. SHELL:THREADS

21.9.1. Description

Prints the current threads (optionally with stacktraces)

21.9.2. Syntax

shell:threads [options] [id]

21.9.3. Arguments

Name	Description
id	Show details for thread with this Id

21.9.4. Options

Name	Description
--tree	Display threads as a tree
--list	Display threads as a list
-e, --empty-groups	Show empty groups
--packages	Pruned packages
--help	Display this help message
--monitors	Display monitors
-t, --threshold	Minimal number of interesting stack trace line to display a thread
--locks	Display locks
--no-format	Disable table rendered output

21.10. SHELL:TTOP

21.10.1. Description

Display threads information

21.10.2. Syntax

```
shell:ttop [options]
```

21.10.3. Options

Name	Description
--seconds, -s	Delay between updates in seconds
--order, -o	Comma separated list of sorting keys
--millis, -m	Delay between updates in milliseconds
--nthreads, -n	Only display up to NTHREADS threads
--help	Display this help message
--stats, -t	Comma separated list of stats to display

21.11. SHELL:WATCH

21.11.1. Description

Watches & refreshes the output of a command

21.11.2. Syntax

```
shell:watch [options] command
```

21.11.3. Arguments

Name	Description
command	The command to watch / refresh

21.11.4. Options

Name	Description
--help	Display this help message
-n, --interval	The interval between executions of the command in seconds
-a, --append	The output should be appended but not clear the console

CHAPTER 22. SSH

22.1. SSH:SSH

22.1.1. Description

Connects to a remote SSH server

22.1.2. Syntax

```
ssh:ssh [options] hostname [command]
```

22.1.3. Arguments

Name	Description
hostname	The host name to connect to via SSH
command	Optional command to execute

22.1.4. Options

Name	Description
--help	Display this help message
-P, --password	The password for remote login
-p, --port	The port to use for SSH connection
-q	Quiet Mode. Do not ask for confirmations
-r, --retries	retry connection establishment (up to attempts times)
-l, --username	The user name for remote login
-k, --keyfile	The private keyFile location when using key login, need have BouncyCastle registered as security provider using this flag

22.2. SSH:SSHD

22.2.1. Description

Creates a SSH server

22.2.2. Syntax

```
ssh:sshd [options]
```

22.2.3. Options

Name	Description
--help	Display this help message
-b, --background	The service will run in the background
-p, --port	The port to setup the SSH server
-i, --idle-timeout	The session idle timeout in milliseconds
-w, --welcome-banner	The welcome banner to display when logging in
-n, --nio-workers	The number of NIO worker threads to use

CHAPTER 23. SUBSYSTEM

23.1. SUBSYSTEM:INFO

23.1.1. Description

Display information about subsystems

23.1.2. Syntax

```
subsystem:info [options] [id]
```

23.1.3. Arguments

Name	Description
id	Subsystem names or ids

23.1.4. Options

Name	Description
--help	Display this help message
--indent	Indentation method

23.2. SUBSYSTEM:INSTALL

23.2.1. Description

Install a new subsystem

23.2.2. Syntax

```
subsystem:install [options] [Subsystem to install the new subsystem into] [New subsystem url]
```

23.2.3. Arguments

Name	Description
Subsystem to install the new subsystem into	
New subsystem url	

23.2.4. Options

Name	Description
--help	Display this help message

23.3. SUBSYSTEM:LIST

23.3.1. Description

List all subsystems

23.3.2. Syntax

subsystem:list [options]

23.3.3. Options

Name	Description
--help	Display this help message

23.4. SUBSYSTEM:START

23.4.1. Description

Start the specified subsystems

23.4.2. Syntax

subsystem:start [options] [id]

23.4.3. Arguments

Name	Description
id	Subsystem names or ids

23.4.4. Options

Name	Description
--help	Display this help message

23.5. SUBSYSTEM:STOP

23.5.1. Description

Stop the specified subsystems

23.5.2. Syntax

```
subsystem:stop [options] [id]
```

23.5.3. Arguments

Name	Description
id	Subsystem names or ids

23.5.4. Options

Name	Description
--help	Display this help message

23.6. SUBSYSTEM:UNINSTALL

23.6.1. Description

Uninstall the specified subsystems

23.6.2. Syntax

```
subsystem:uninstall [options] [id]
```

23.6.3. Arguments

Name	Description
id	Subsystem names or ids

23.6.4. Options

Name	Description
--help	Display this help message

CHAPTER 24. SYSTEM

24.1. SYSTEM:FRAMEWORK

24.1.1. Description

OSGi Framework options.

24.1.2. Syntax

system:framework [options] [framework]

24.1.3. Arguments

Name	Description
framework	Name of the OSGi framework to use

24.1.4. Options

Name	Description
-nodebug, --disable-debug	Disable debug for the OSGi framework
--help	Display this help message
-debug, --enable-debug	Enable debug for the OSGi framework

24.2. SYSTEM:NAME

24.2.1. Description

Show or change Karaf instance name.

24.2.2. Syntax

system:name [options] [name]

24.2.3. Arguments

Name	Description
name	New name for the instance

24.2.4. Options

Name	Description
--help	Display this help message

24.3. SYSTEM:PROPERTY

24.3.1. Description

Get or set a system property.

24.3.2. Syntax

system:property [options] [key] [value]

24.3.3. Arguments

Name	Description
key	The system property name
value	New value for the system property

24.3.4. Options

Name	Description
--help	Display this help message
-f, --file-dump	Dump all system properties in a file (in data folder)
-p, --persistent	Persist the new value to the etc/system.properties file
-u, --unset	Show unset know properties with value unset

24.4. SYSTEM:SHUTDOWN

24.4.1. Description

Shutdown the Karaf container.

24.4.2. Syntax

system:shutdown [options] [time]

24.4.3. Arguments

Name	Description
time	Shutdown after a specified delay. The time argument can have different formats. First, it can be an absolute time in the format hh:mm, in which hh is the hour (1 or 2 digits) and mm is the minute of the hour (in two digits). Second, it can be in the format m (or +m), in which m is the number of minutes to wait. The word now is an alias for 0 (or +0).

24.4.4. Options

Name	Description
-c, --clean, --clean-all, -ca	Force a clean restart by deleting the data directory
--help	Display this help message
-h, --halt	Halt the Karaf container.
-cc, --clean-cache, -cc	Force a clean restart by deleting the cache directory
-f, --force	Force the shutdown without confirmation message.
-r, --reboot	Reboot the Karaf container.

24.5. SYSTEM:START-LEVEL

24.5.1. Description

Gets or sets the system start level.

24.5.2. Syntax

```
system:start-level [options] [level]
```

24.5.3. Arguments

Name	Description
level	The new system start level to set

24.5.4. Options

Name	Description
--help	Display this help message

24.6. SYSTEM:VERSION

24.6.1. Description

Display the instance version

24.6.2. Syntax

system:version [options]

24.6.3. Options

Name	Description
--help	Display this help message

CHAPTER 25. WEB

25.1. WEB:LAUNCH

25.1.1. Description

Start the web application in a browser of the given bundle ID.

25.1.2. Syntax

web:launch [options] id

25.1.3. Arguments

Name	Description
id	The bundle ID to start the browser with

25.1.4. Options

Name	Description
--base	The base URL to browse to, otherwise default localhost:8181 will be used.
--help	Display this help message

25.2. WEB:LIST

25.2.1. Description

Lists details for war bundles.

25.2.2. Syntax

web:list [options]

25.2.3. Options

Name	Description
--help	Display this help message
--no-format	Disable table rendered output

25.3. WEB:START

25.3.1. Description

Start the web context of given bundles.

25.3.2. Syntax

```
web:start [options] ids
```

25.3.3. Arguments

Name	Description
ids	The list of bundle IDs separated by whitespaces

25.3.4. Options

Name	Description
--help	Display this help message

25.4. WEB:STOP

25.4.1. Description

Stop the web context of given bundles.

25.4.2. Syntax

```
web:stop [options] ids
```

25.4.3. Arguments

Name	Description
ids	The list of bundle IDs separated by whitespaces

25.4.4. Options

Name	Description
--help	Display this help message

