

Mobile Policy Common Commands

- cluster, on page 1
- cps-license, on page 2
- db, on page 2
- db balance, on page 3
- db global-settings, on page 3
- db global-settings timers, on page 4
- db spr, on page 4
- debug, on page 5
- debug logging, on page 5
- debug splunk, on page 5
- debug tracing, on page 5
- features, on page 6
- features activemq, on page 6
- features patching, on page 6
- ldap, on page 7
- ldap connection-status, on page 7
- ldap server-set, on page 8
- ldap server-set add-request-attribute, on page 10
- ldap server-set connection, on page 10
- ldap server-set health-check, on page 12
- ldap server-set search-user, on page 12
- testing, on page 13
- testing tls-handshake, on page 14
- testing zing-memory, on page 15
- zing, on page 16

cluster

Configures the cluster information.

Command Modes

Exec > Global Configuration

Syntax Description

cluster { cluster-id *cluster_id* **| system-id** *system_id*}

cluster-id *cluster_id*

Specify the cluster ID.

Must be a string.

Default Value: cluster-1.

system-id *system_id*

Specify the system ID.

Must be a string.

Default Value: system-1.

Usage Guidelines Use this command to configure cluster information.

cps-license

Configures CPS licensing.

Command Modes Exec > Global Configuration

Syntax Description **cps-licence** *license_name* **encrypted-key** *encrypted_key*

encrypted-key *key*

Specify the encrypted key.

Must be a string.

feature-name *feature_name*

Specify the feature name.

Must be a string.

Usage Guidelines Use this command to configure PCF license.

db

Configures database setup.

Command Modes Exec > Global Configuration

Syntax Description **db { balance shard count** *shard_count* **| global-settings { db-replica** *replica_count* **| timers { catchup-timeout-millis** *catchup_timeout_in_ms* **| election-timeout-millis** *election_timeout_in_ms* **| heartbeat-interval-millis** *heartbeat_interval_in_ms* **} } | spr shard-count** *shard_count*}

Usage Guidelines Use this command to configure the database setup.

db balance

Configures the Balance database.

Command Modes Exec > Global Configuration

Syntax Description **`db balance shard-count`** *`balance_db_shard_count`*

shard-count *balance_db_shard_count*

Specify the Balance database's shard count.

Must be an integer.

Default Value: 1.

Usage Guidelines Use this command to configure the Balance database.

Example

The following command configures the Balance database's shard count to 1:

```
db balance shard-count 1
```

db global-settings

Configures global DB settings.

Command Modes Exec > Global Configuration

Syntax Description **`global-settings db-replica`** *`replica_count`*

db-replica *replica_count*

Specify the global DB replica count.

Must be an integer.

Default Value: 3.

volume-storage-class *volume_storage_class*

Specify the volume storage class if use-volume-claims enabled is enabled.

Must be one of the following:

- **default**
- **local**

Default Value: default.

Usage Guidelines Use this command to configure the global DB settings.

db global-settings timers

Configures global MongoDB timers.

Command Modes Exec > Global Configuration

Syntax Description **db global-settings timers { catchup-timeout-millis** *catchup_timeout* **| election-timeout-millis** *election_timeout* **| heartbeat-interval-millis** *heartbeat_interval*}

catchup-timeout-millis *catchup_timeout*

Specify the global catchup timeout period, in milliseconds.

Must be an integer.

Default Value: 2000.

election-timeout-millis *election_timeout*

Specify the global election timeout period, in milliseconds.

Must be an integer.

Default Value: 2000.

heartbeat-interval-millis *heartbeat_interval*

Specify the global heartbeat interval period, in milliseconds.

Must be an integer.

Default Value: 300.

Usage Guidelines Use this command to configure the global MongoDB timers.

db spr

Configures the SPR database.

Command Modes Exec > Global Configuration

Syntax Description **db spr shard-count** *shard_count*

shard-count *shard_count*

Specify the SPR database's shard count.

Must be an integer.

Default Value: 1.

Usage Guidelines Use this command to configure the SPR database.

Example

The following command configures the SPR database's shard count to 20:

```
db spr shard-count 20
```

debug

Configures the debug parameters.

Syntax Description **debug { logging { default-level** *logging_level* **| logger** *logger_name* **} | tracing { jaeger agent udp { host** *host_address* **| port** *port_number* **} | type }}**

Usage Guidelines Use this command to configure debug information.

debug logging

Configures the logging parameters.

Command Modes Exec > Global Configuration

Syntax Description **default-level [debug** *debug* **| error** *error* **| info** *info* **| off** *off* **| trace** *trace* **| warn** *warn* **]**

Usage Guidelines Use this command to configure the logging parameters.

debug splunk

Configures the Splunk parameters.

Command Modes Exec > Global Configuration

Syntax Description **debug splunk { batch-count** *event_count* **| batch-interval-ms** *batch_interval* **| batch-size-bytes** *max_batch* **| hec-token** *splunk_hec* **| hec-url** *port_splunk*}

Usage Guidelines Use this command to configure the Splunk parameters.

debug tracing

Configures the tracing parameters.

Command Modes Exec > Global Configuration

Syntax Description **debug tracing [jaegar agent** *agent* **udp [host** *host_name port_number* **] | type** *tracing_type* **]**

Usage Guidelines Use this command to configure the tracing parameters.

features

Configures the control configuration for the application features.

Command Modes Exec > Global Configuration

Syntax Description **features { activemq cluster-ip** *cluster_ip_address* **| patching ingress-enabled { false | true }}**

Usage Guidelines Use this command configure the control configuration for the application features.

Example

The following command configures the control configuration for the application feature:

```
features { activemq cluster-ip 122.12.122.11 | patching ingress-enabled true }
```

features activemq

Configures the ActiveMQ parameters.

Command Modes Exec > Global Configuration

Syntax Description **features activemq cluster-ip** *ip_address*

cluster-ip *ip_address*

Specify the IP address of the cluster.

Usage Guidelines Use this command to configure the ActiveMQ parameters.

features patching

Configures the Ingress API.

Command Modes Exec > Global Configuration

Syntax Description **features patching ingress-enabled { false | true}**

ingress-enabled { false | true}

Specify to enable or disable patching ingress, not secured.

Must be one of the following:

- **false**
- **true**

Default Value: false.

Usage Guidelines Use this command to enable or disable Ingress API.

ldap

Displays the LDAP connections.

Command Modes Exec

Syntax Description **show ldap connection-status**

replicas *replica_count*

Specify the replica count.

Must be an integer.

Default Value: 1.

repository *helm_repository*

Specify to override Helm repository.

Usage Guidelines Use this command to view LDAP connection information.

Example

The following command displays the LDAP connections:

```
show ldap connection-status
```

ldap connection-status

Displays the LDAP connections for the SPR lookup.

Command Modes Exec

Syntax Description **show ldap connection-status server-set { metric** *metric_type* **| value** *metric_value* **{ timestamp** *timestamp_value* **}}**

metric *metric_type*

Specify the metric type

Must be a string.

serverset *server_set_name*

Specify the LDAP server set name.

Must be a string.

value *metric_value*

Specify the metric value

Must be a string.

Usage Guidelines Use this command to display LDAP connections for the SPR lookup.

ldap server-set

Configures the LDAP server set parameters.

Command Modes Exec > Global Configuration

Syntax Description

```
ldap server-set server_name [ add-child-on-parent-create-failure { false |
true } | add-request-attribute attribute_name attribute_value | binds-per-second
 binds_count | connection connection_address port_number {auto-reconnect { false
| true } | bind-timeout-ms bind_timeout_ms | connection-rule FASTEST/ROUND_ROBIN
 | priority priority_number | timeout-ms timeout } |
ignore-ldap-error-result-codes result_code | initial-connections
initial_connections | max-connections max_connections |
max-failover-connection-age-ms max_failover_connections |
missing-attribute-result-code attribute_code |
number-consecutive-timeouts-for-bad-connection count_timeout | retry-count
retry_count | retry-timer-ms retry_time | use-asynchronous-operations { false
 | true } ]
```

add-child-on-parent-create-failure { false | true}

Specify to enable or disable additions of child on parent creation failure.

Must be one of the following:

- **false**
- **true**

Default Value: true.

binds-per-second *binds_count*

Specify the number of binds per second.

Must be of type decimal64, with 2 fraction digits.

Default Value: 0.20.

ignore-ldap-error-result-codes *result_code*

Specify to ignore LDAP error result codes.

Must be an integer.

initial-connections *initial_connections*

Specify the initial connections.

Must be an integer.

Default Value: 1.

max-connections *max_connections*

Specify the maximum number of connections.

Must be an integer.

Default Value: 10.

max-failover-connection-age-ms *max_failover_connections*

Specify the maximum failover connection age in milliseconds.

Must be an integer.

Default Value: 60000.

missing-attribute-result-code *result_code*

Specify missing attribute result code.

Must be an integer.

Default Value: 0.

number-consecutive-timeouts-for-bad-connection *count_timeouts*

Specify the number of consecutive timeouts for bad connection.

Must be an integer.

Default Value: -1.

retry-count *retry_count*

Specify the retry count.

Must be an integer.

Default Value: 3.

retry-timer-ms *retry_timeout*

Specify the retry timer timeout period in milliseconds.

Must be an integer.

Default Value: 50.

server-set *server_name*

Specify the name of the LDAP server set.

Must be a string.

use-asynchronous-operations { false | true}

Specify to enable or disable using LDAP asynchronous operations.

Must be one of the following:

- **false**
- **true**

Default Value: true.

Usage Guidelines Use this command to configure LDAP server set parameters.

ldap server-set add-request-attribute

Configures the request attribute.

Command Modes Exec > Global Configuration

Syntax Description **add-request-attribute** *attribute_name attribute_value*

attribute_name

Specify the request attribute name.

Must be a string.

attribute_value

Specify the request attribute value.

Must be a string.

Usage Guidelines Use this command to configure the request attribute.

ldap server-set connection

Configure the LDAP connection parameters.

Command Modes Exec > Global Configuration

Syntax Description **connection** *ldap_server_address port_number* **{ auto-reconnect { false | true } | bind-timeout-ms** *bind_timeout* **| connection-rule** *connection_rule* **| priority** *priority_number* **| timeout-ms** *timeout*}

auto-reconnect { false | true}

Specify to enable or disable auto reconnect to LDAP hosts.

Must be one of the following:

- **false**
- **true**

Default Value: true.

bind-timeout-ms *bind_timeout*

Specify the timeout period for bind calls to LDAP in milliseconds.

Must be an integer.

Default Value: 2000.

connection-rule *connection_algorithm*

Specify the connection algorithm.

Must be one of the following:

- **FASTEST**
- **ROUND_ROBIN**

Default Value: ROUND_ROBIN.

connection *port_number*

Specify the port number of the LDAP server.

Must be an integer.

priority *priority_number*

Specify the priority of the LDAP server set.

Must be an integer.

Default Value: 100.

timeout-ms *timeout*

Specify the timeout period for calls to LDAP in milliseconds.

Must be an integer.

Default Value: 200.

ldap_server_address

Specify the address of the LDAP server.

Must be a string.

Usage Guidelines Use this command to configure the LDAP connection parameters.

ldap server-set health-check

Configures the health check parameters.

Command Modes Exec > Global Configuration

Syntax Description **health-check { attributes** *attribute_string* **| dn** *health_check_dn* **| filter** *filter_string* **| interval-ms** *interval_value*}

attributes *health_check_attributes*

Specify the health check attributes.

Must be a string.

dn *health_check_dn*

Specify the health check DN.

Must be a string.

filter *health_check_filter*

Specify the health check filter.

Must be a string.

interval-ms *health_check_interval*

Specify the health check interval in milliseconds.

Must be an integer.

Default Value: 5000.

Usage Guidelines Use this command to configure the health check parameters.

ldap server-set search-user

Enables search user for LDAP.

Command Modes Exec > Global Configuration

Syntax Description **search-user { [dn** *user_dn* **] [password** *user_password* **]}**

dn *user_dn*

Specify the user DN.

Must be a string.

password *user_password*

Specify the user password.

Usage Guidelines Use this command to enable search user for LDAP.

testing

Configures the testing feature.

Command Modes Exec > Global Configuration

Syntax Description **`testing { external-mongo-access { admin | balance | session | spr } | subversion-ingress-enabled | zing-compiler-options | zing-memory } { ip`** *`ip_address`* **`| port`** *`port_number`*`}`

code-coverage-enabled { false | true}

Specify to enable or disable code coverage reporting with jacoco.

Must be one of the following:

- **false**
- **true**

Default Value: false.

development-mode-enabled { false | true}

Specify to enable or disable development mode.

Must be one of the following:

- **false**
- **true**

Default Value: false.

enforce-affinity-rules { false | true}

Specify to enable or disable anti affinity rules for pod scheduling.

Must be one of the following:

- **false**
- **true**

Default Value: true.

ldap-grpc-enabled { false | true}

Specify to enable or disable redis IPC communication between ldap-ep to engine.

Must be one of the following:

- **false**
- **true**

Default Value: false.

subversion-ingress-enabled { false | true}

Specify if the subversion ingress is enabled.

Must be one of the following:

- **false**
- **true**

Default Value: false.

zing-compiler-options *compiler_options*

Specify the compiler options for Zing.

Must be one of the following:

- **C2**
- **Falcon**

Default Value: C2.

Usage Guidelines Use this command to configure the testing feature.

testing tls-handshake

Configures the TLS/SSL testing configuration.

Command Modes Exec > Global Configuration

Syntax Description `tls-handshake`

alpn-disabled { false | true}

Specify to enable or disable ALPN extenstion in HTTP2 TLS ClientHello handshake.

Must be one of the following:

- **false**
- **true**

Default Value: false.

debug-enabled { false | true}

Specify to enable or disable TLS/SSL debug logs.

Must be one of the following:

- **false**
- **true**

Default Value: false.

trust-all { false | true}

Specify to enable or disable Keystore certificate validation for client.

Must be one of the following:

- **false**
- **true**

Default Value: false.

Usage Guidelines Use this command to configure the TLS/SSL testing configuration.

testing zing-memory

Configures the storage for Zing data.

Command Modes Exec > Global Configuration

Syntax Description **`testing zing-memory [ datastore`** *`datastore_zing_memory`* **`| diameter`** *`diameter_zing_memory`* **`| engine`** *`engine_zing_memory`* **`| ldap`** *`ldap_zing_memory`* **`]`**

datastore *datastore_zing_memory*

Specify the datastore Zing memory. For example, -Xmx4g/-Xmx8g.

Must be a string.

Default Value: -Xmx8g.

diameter *diameter_zing_memory*

Specify the Diameter Zing memory. For example, -Xmx4g/-Xmx8g.

Must be a string.

Default Value: -Xmx8g.

engine *engine_zing_memory*

Specify the engine Zing memory. For example -Xmx4g/-Xmx8g.

Must be a string.

Default Value: -Xmx8g.

ldap *ldap_zing_memory*

Specify the LDAP endpoint. For example, -Xmx4g/-Xmx8g.

Must be a string.

Default Value: -Xmx8g.

Usage Guidelines Use this command to configure the storage for Zing data.

zing

Configures Zing for the engine.

Command Modes Exec > Global Configuration

Syntax Description `zing enable { false | true}`

enable { false | true}

Specity to enable or disable Zing Java Virtual Machine.

Must be one of the following:

- **false**
- **true**

Default Value: false.

Usage Guidelines Use this command to configure Zing for the engine.

Example

The following command configures Zing for the engine:

```
zing enable true
```