



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

<code>cluster { cluster-id <i>cluster_id</i> system-id <i>system_id</i> }</code>
--

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 <i>agent</i> udp [host <i>host_name</i> <i>port_number</i>]] type <i>tracing_type</i>]
---------------------------	--

Usage Guidelines	Use this command to configure the tracing parameters.
-------------------------	---

features

Configures the control configuration for the application features.

Command Modes	Exec > Global Configuration
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Syntax Description	features { activemq cluster-ip <i>cluster_ip_address</i> 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
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Syntax Description	features activemq cluster-ip <i>ip_address</i>
---------------------------	---

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.

Idap

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
```

Idap 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 extension 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 }

Specify 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
```