



# Mobile Policy Common Commands

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## 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.

## 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.

## Idap 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.

## Idap 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
```