



Sample PCF Configuration

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Sample Configuration File

The following is only a sample configuration file provided solely for your reference. You must create and modify your own configuration file according to the specific needs of your deployment.



Important

The mandatory parameters are required to ensure that the critical pods such as CRD and Policy Engine are in the running state.

```
config
datastore primary-endpoint connection-settings keep-alive keep-alive-time-ms 200
datastore primary-endpoint connection-settings channel count 4
datastore primary-endpoint connection-settings timeout-ms 300
ldap replicas 2
ldap server-set USD
search-user dn cn=sdcUser,dc=C-NTDB
search-user password siemens
health-check interval-ms 10000
health-check dn cn=sdcUser,dc=C-NTDB
health-check filter msisdn=918369110173
health-check attributes napCustType
initial-connections 10
max-connections 10
retry-count 2
retry-timer-ms 100
max-failover-connection-age-ms 60000
binds-per-second 0.2
number-consecutive-timeouts-for-bad-connection 2
missing-attribute-result-code 32
connection 192.0.2.18 389
  priority 400
  connection-rule ROUND_ROBIN
  auto-reconnect true
  timeout-ms 200
  bind-timeout-ms 3000
exit
connection 192.0.2.18 389
  priority 400
  connection-rule ROUND_ROBIN
```

```

    auto-reconnect true
    timeout-ms 200
    bind-timeout-ms 3000
  exit
exit
//This is a mandatory parameter
db global-settings db-replica 3
//This is a mandatory parameter
db spr shard-count 1
db balance shard-count 1
debug tracing type DISABLED
debug splunk hec-url http://192.0.2.18:6066
debug splunk hec-token efd41999-fa22-1111-aca7-2222fb36c6af
debug splunk batch-interval-ms 100
debug splunk batch-count 10
debug splunk batch-size-bytes 102400
debug logging default-level error
diameter settings timeouts-ms dpa 5000
diameter application rx
  application-id 16777236
  tgpp-application true
  vendor [ 10415 ]
exit
diameter group rx-pcf01-protol
  mode server
  stack rx
  application rx
  bind-ip 192.0.2.18
  bind-port 3868
  fqdn pcf-rx-server-1
  realm pcf.rx.server.cisco.com
  node-host pcf01-protocol01
  exit
exit
diameter group rx-pcf01-PROTO2
  mode server
  stack rx
  application rx
  bind-ip 192.0.2.18
  bind-port 3868
  fqdn pcf-rx-server-2
  realm pcf.rx.server.cisco.com
  node-host pcf01-protocol02
  exit
exit
//This is a mandatory parameter
rest-endpoint ips [ 192.0.2.18 192.0.2.19 192.0.2.20 ]
//This is a mandatory parameter
rest-endpoint port 9088
rest-endpoint tracing-service-name pcf-rest-endpoint
rest-endpoint replicas 2
rest-endpoint interface n28
  ip [ 192.0.2.18 ]
  exit
rest-endpoint interface n7
  ip [ 192.0.2.19 ]
  exit
rest-endpoint interface nnrf
  ip [ 192.0.2.20 ]
  exit
advance-tuning overload-control rest global limits max-requests-per-sec 5000
advance-tuning overload-control rest global action throttle-action REJECT
advance-tuning overload-control diameter global limits max-requests-per-sec 5000
advance-tuning overload-control diameter global action throttle-action DROP

```

```
advance-tuning async-threading request-timeout-ms 300
api unified engine-group pcf01production
//This is a mandatory parameter
engine pcf01production
//This is a mandatory parameter
  replicas 2
//This is a mandatory parameter
  unified-api-replicas 1
//This is a mandatory parameter
  subversion-run-url http://svn/repos/run
//This is a mandatory parameter
  subversion-config-url http://svn/repos/configuration
//This is a mandatory parameter
  tracing-service-name pcf-engine
  grpc port 5005
  grpc externalIPs [ 192.0.2.21 ]
  properties com.cisco.engine.log.type
    value 2
  exit
properties disableCommandClient
  value true
  exit
properties ldap.retry.time.ms
  value 200
  exit
exit
label protocol-layer key smi.cisco.com/node-type
label protocol-layer value protocol
label service-layer key smi.cisco.com/node-type
label service-layer value service
label cdl-layer key smi.cisco.com/node-type
label cdl-layer value session
label oam-layer key smi.cisco.com/node-type
label oam-layer value oam
profile nf-client nf-type chf
  chf-profile chprofile
  locality locchfl
  priority 10000
  service name type nchf-spendinglimitcontrol
  endpoint-profile chf-profile
    capacity 10
    priority 10
    uri-scheme http
    version
    uri-version v1
    exit
  exit
  endpoint-name ep1
    primary ip-address ipv4 192.0.2.22
    primary ip-address port 5088
  exit
  exit
  exit
  exit
  exit
profile nf-pair nf-type CHF
  nrf-discovery-group discoveryGroup
  subscription-enabled false
  subscription-extension 3
  locality client pcf01
  locality preferred-server loc1
  locality geo-server loc2
  exit
```

```

//This is a mandatory parameter
service-registration profile locality pcf01
//This is a mandatory parameter
service-registration profile plmn-list 100 010
//This is a mandatory parameter
exit
//This is a mandatory parameter
service-registration profile plmn-list 123 456
//This is a mandatory parameter
exit
//This is a mandatory parameter
service-registration profile snssais 1
//This is a mandatory parameter
sd 123456
exit
group nf-mgmt group1
nrf-mgmt-group registerGroup
locality pcf01
failover sla 100
reconnect interval 60000
exit
group nrf discovery discoveryGroup
service type nrf nnrf-disc
endpoint-profile discoveryProfile
capacity 10
priority 10
uri-scheme http
version
uri-version v1
exit
exit
endpoint-name ep1
priority 1
capacity 10
primary ip-address ipv4 192.0.2.12
primary ip-address port 8183
secondary ip-address ipv4 192.0.2.12
secondary ip-address port 8184
tertiary ip-address ipv4 192.0.2.12
tertiary ip-address port 8185
exit
exit
exit
group nrf mgmt registerGroup
service type nrf nnrf-nfm
endpoint-profile registerProfile
capacity 20
priority 10
uri-scheme http
version
uri-version v1
exit
exit
endpoint-name ep1
priority 1
capacity 10
primary ip-address ipv4 192.0.2.12
primary ip-address port 8183
secondary ip-address ipv4 192.0.2.12
secondary ip-address port 8184
tertiary ip-address ipv4 192.0.2.12
tertiary ip-address port 8185
exit

```

```
    exit
  exit
exit
cdl system-id 1
cdl node-type session
cdl zookeeper data-storage-size 1
cdl zookeeper log-storage-size 1
cdl zookeeper replica 3
cdl logging default-log-level warn
cdl datastore session
  cluster-id 1
  endpoint replica 4
  index map 4
  slot replica 2
  slot map 10
  slot notification limit 10
exit
cdl kafka replica 3
cdl kafka storage 1
end
```

