



## AMF Command Reference

---

- [aaa](#), on page 12
- [amf-global](#), on page 13
- [amf-global call-control-policy](#), on page 13
- [amf-global call-control-policy am-policy](#), on page 16
- [amf-global call-control-policy core-network-type-restriction](#), on page 16
- [amf-global call-control-policy default-slice](#), on page 17
- [amf-global call-control-policy feature-support-ie ims-vops-service-3gpp no-support](#), on page 17
- [amf-global call-control-policy feature-support-ie ims-vops-service-3gpp support](#), on page 18
- [amf-global call-control-policy local-cause-code-map auth-failure](#), on page 19
- [amf-global call-control-policy local-cause-code-map clear-subscriber](#), on page 19
- [amf-global call-control-policy local-cause-code-map ctxt-xfer-fail-amf](#), on page 20
- [amf-global call-control-policy local-cause-code-map ctxt-xfer-fail-mme](#), on page 20
- [amf-global call-control-policy local-cause-code-map dnn-mismatch](#), on page 21
- [amf-global call-control-policy local-cause-code-map dnn-not-subscribed](#), on page 22
- [amf-global call-control-policy local-cause-code-map gw-unreachable](#), on page 22
- [amf-global call-control-policy local-cause-code-map inter-plmn-roaming](#), on page 23
- [amf-global call-control-policy local-cause-code-map peer-node-unknown](#), on page 23
- [amf-global call-control-policy local-cause-code-map restricted-zone-code](#), on page 24
- [amf-global call-control-policy local-cause-code-map smf-selection-failure](#), on page 25
- [amf-global call-control-policy local-cause-code-map udm-unavailable](#), on page 25
- [amf-global call-control-policy paging-priority map](#), on page 26
- [amf-global call-control-policy policy amf-redirection](#), on page 26
- [amf-global call-control-policy policy context-release](#), on page 27
- [amf-global call-control-policy policy idle-mode paging](#), on page 27
- [amf-global call-control-policy policy idle-mode ue-cfg-update](#), on page 27
- [amf-global call-control-policy policy nssf-interaction](#), on page 28
- [amf-global call-control-policy policy slicing](#), on page 28
- [amf-global call-control-policy policy ue-cfg-update](#), on page 29
- [amf-global call-control-policy policy ue-context-transfer](#), on page 29
- [amf-global call-control-policy rat-type-restriction](#), on page 30
- [amf-global call-control-policy registration restrict](#), on page 31
- [amf-global call-control-policy security-algo security-algo](#), on page 31
- [amf-global call-control-policy timers context-transfer-guard](#), on page 32

- amf-global call-control-policy timers ho-supervisory, on page 32
- amf-global call-control-policy timers t3502, on page 33
- amf-global call-control-policy timers t3512, on page 33
- amf-global call-control-policy timers t3513, on page 33
- amf-global call-control-policy timers t3522, on page 34
- amf-global call-control-policy timers t3550, on page 34
- amf-global call-control-policy timers t3555, on page 35
- amf-global call-control-policy timers t3560, on page 35
- amf-global call-control-policy timers t3570, on page 36
- amf-global call-control-policy timers tguard, on page 36
- amf-global call-control-policy timers tidle, on page 37
- amf-global call-control-policy timers tidt, on page 37
- amf-global call-control-policy timers tn2, on page 38
- amf-global call-control-policy timers tpurge, on page 38
- amf-global dnn-policy, on page 38
- amf-global dnn-policy network-element-profile-list, on page 39
- amf-global nf-profile, on page 39
- amf-global nf-profile nf-type-profile, on page 40
- amf-global nf-profile nf-type-profile grpc-endpoint, on page 40
- amf-global nf-profile nf-type-profile http-endpoint, on page 41
- amf-global operator-policy, on page 41
- amf-global operator-policy network-element-profile-list, on page 42
- amf-global paging-algo, on page 43
- amf-global paging-map, on page 44
- amf-global paging-map precedence, on page 44
- amf-global paging-profile, on page 45
- amf-global paging-profile paging-stage, on page 46
- amf-global plmn-policy, on page 46
- amf-global supi-policy, on page 47
- amf-global timers proc-timeout ue-registration, on page 47
- amf-services, on page 47
- amf-services guamis, on page 49
- amf-services local-cause-code-map auth-failure, on page 49
- amf-services local-cause-code-map clear-subscriber, on page 50
- amf-services local-cause-code-map ctxt-xfer-fail-amf, on page 51
- amf-services local-cause-code-map ctxt-xfer-fail-mme, on page 51
- amf-services local-cause-code-map dnn-mismatch, on page 52
- amf-services local-cause-code-map dnn-not-subscribed, on page 52
- amf-services local-cause-code-map gw-unreachable, on page 53
- amf-services local-cause-code-map inter-plmn-roaming, on page 53
- amf-services local-cause-code-map peer-node-unknown, on page 54
- amf-services local-cause-code-map restricted-zone-code, on page 54
- amf-services local-cause-code-map smf-selection-failure, on page 55
- amf-services local-cause-code-map udm-unavailable, on page 55
- amf-services locality oauth2-enabled, on page 56
- amf-services peer-mme gummei, on page 56

- [amf-services peer-mme tai-match](#), on page 57
- [amf-services peer-mme tai-match tac](#), on page 58
- [amf-services peer-mme tai-match tac any](#), on page 58
- [amf-services peer-mme tai-match tac startval](#), on page 58
- [amf-services peer-mme tai-match tac startval to](#), on page 59
- [amf-services pgw](#), on page 60
- [amf-services relative-amf-capacity](#), on page 60
- [amf-services tai-groups](#), on page 60
- [amf-tools](#), on page 61
- [amf-tools amf-mock-tool](#), on page 61
- [amf-tools lattice](#), on page 61
- [apn-groups](#), on page 62
- [apn-groups apns](#), on page 63
- [apn-profiles](#), on page 63
- [cd](#), on page 63
- [cdl clear sessions](#), on page 64
- [cdl kafka](#), on page 64
- [cdl show sessions](#), on page 65
- [cdl show status](#), on page 66
- [clear ipam](#), on page 67
- [clear ipam](#), on page 67
- [clear subscriber](#), on page 67
- [clear subscriber](#), on page 68
- [clear subscriber clear-opt ran-opt](#), on page 69
- [client http header](#), on page 69
- [client http ping](#), on page 70
- [client inbound interface](#), on page 70
- [client inbound interface limit overload](#), on page 71
- [client inbound interface limit pending](#), on page 71
- [client inbound limit overload](#), on page 71
- [client inbound limit pending](#), on page 72
- [client outbound host ping](#), on page 72
- [client outbound interface](#), on page 73
- [client outbound interface host ping](#), on page 73
- [client outbound interface limit consecutive failure](#), on page 74
- [client outbound interface limit pending](#), on page 74
- [client outbound limit consecutive failure](#), on page 74
- [client outbound limit pending](#), on page 75
- [commit](#), on page 75
- [compare](#), on page 76
- [config](#), on page 76
- [config-error info](#), on page 77
- [coverage](#), on page 77
- [datastore dbs](#), on page 77
- [datastore dbs endpoints](#), on page 78
- [datastore notification-ep](#), on page 78

- [datastore session-db](#), on page 79
- [datastore session-db endpoints](#), on page 79
- [debug-settings amf-ngap-ep](#), on page 79
- [debug-settings amf-rest-ep](#), on page 80
- [debug-settings amf-sctp-lb](#), on page 80
- [debug-settings amf-service](#), on page 80
- [deployment](#), on page 81
- [deployment resource](#), on page 82
- [describe](#), on page 82
- [diagnostics](#), on page 83
- [diagnostics info](#), on page 84
- [dump](#), on page 84
- [edr](#), on page 84
- [edr edrsubscribers](#), on page 85
- [edr file files](#), on page 85
- [edr file files disable](#), on page 86
- [edr file files flush](#), on page 86
- [edr file files limit](#), on page 86
- [edr file files procedure-id disable-event-id](#), on page 87
- [edr file files procedure-id disable-event-id disable-inner disable](#), on page 87
- [edr file files procedure-id disable-event-id disable-inner event-id disable-field-id](#), on page 88
- [edr file files procedure-id disable-event-id disable-inner event-id disable-field-id disable](#), on page 88
- [endpoint all](#), on page 88
- [endpoint info](#), on page 89
- [exit](#), on page 89
- [geo maintenance](#), on page 89
- [geo reset-role](#), on page 89
- [geo switch-role](#), on page 90
- [geomonitor podmonitor pods](#), on page 90
- [geomonitor remotecustermonitor](#), on page 91
- [geomonitor trafficMonitor](#), on page 92
- [geomonitor vipmonitor instance](#), on page 92
- [geomonitor vipmonitor instance vips](#), on page 92
- [group nf-mgmt](#), on page 93
- [group nf-mgmt heartbeat](#), on page 94
- [group nrf discovery](#), on page 94
- [group nrf discovery service type nrf](#), on page 95
- [group nrf discovery service type nrf endpoint-profile](#), on page 95
- [group nrf discovery service type nrf endpoint-profile endpoint-name](#), on page 96
- [group nrf discovery service type nrf endpoint-profile endpoint-name primary ip-address](#), on page 97
- [group nrf discovery service type nrf endpoint-profile endpoint-name secondary ip-address](#), on page 98
- [group nrf discovery service type nrf endpoint-profile endpoint-name tertiary ip-address](#), on page 100
- [group nrf discovery service type nrf endpoint-profile version uri-version](#), on page 101
- [group nrf mgmt](#), on page 102
- [group nrf mgmt service type nrf](#), on page 102
- [group nrf mgmt service type nrf endpoint-profile](#), on page 103

- [group nrf mgmt service type nrf endpoint-profile endpoint-name](#), on page 103
- [group nrf mgmt service type nrf endpoint-profile endpoint-name primary ip-address](#), on page 104
- [group nrf mgmt service type nrf endpoint-profile endpoint-name secondary ip-address](#), on page 106
- [group nrf mgmt service type nrf endpoint-profile endpoint-name tertiary ip-address](#), on page 107
- [group nrf mgmt service type nrf endpoint-profile version uri-version](#), on page 109
- [help](#), on page 109
- [history](#), on page 111
- [id](#), on page 111
- [idle-timeout](#), on page 111
- [ignore-leading-space](#), on page 111
- [infra metrics experimental](#), on page 112
- [infra metrics verbose verboseLevels](#), on page 112
- [infra transaction limit](#), on page 113
- [infra transaction limit consecutive same](#), on page 113
- [infra transaction loop](#), on page 114
- [infra transaction loop category](#), on page 114
- [infra transaction loop category threshold](#), on page 114
- [infra transaction loop category threshold thresholds](#), on page 115
- [instance instance-id](#), on page 115
- [instance instance-id endpoint ep](#), on page 116
- [instance instance-id endpoint ep interface](#), on page 117
- [instance instance-id endpoint ep interface dispatcher](#), on page 118
- [instance instance-id endpoint ep interface internal base-port](#), on page 120
- [instance instance-id endpoint ep interface sla](#), on page 120
- [instance instance-id endpoint ep interface vip](#), on page 121
- [instance instance-id endpoint ep interface vip6](#), on page 121
- [instance instance-id endpoint ep internal base-port](#), on page 122
- [instance instance-id endpoint ep internal-port](#), on page 122
- [instance instance-id endpoint ep retransmission](#), on page 123
- [instance instance-id endpoint ep system-health-level crash](#), on page 124
- [instance instance-id endpoint ep system-health-level critical](#), on page 124
- [instance instance-id endpoint ep system-health-level warn](#), on page 125
- [instance instance-id endpoint ep vip](#), on page 126
- [instance instance-id endpoint ep vip6](#), on page 126
- [instances instance](#), on page 127
- [job](#), on page 127
- [k8 amf local etcd endpoint](#), on page 128
- [k8 label pod-group-config](#), on page 128
- [k8 label sctp-layer](#), on page 129
- [leaf-prompting](#), on page 129
- [license smart register](#), on page 130
- [license smart deregister](#), on page 130
- [license smart renew](#), on page 130
- [license smart status](#), on page 131
- [local-instance](#), on page 131
- [logging async application enable](#), on page 132

- logging async monitor-subscriber enable, on page 132
- logging async tracing enable, on page 133
- logging async transaction enable, on page 133
- logging error, on page 134
- logging level, on page 134
- logging logger, on page 135
- logging logger level, on page 136
- logging transaction, on page 137
- logout, on page 138
- monitor protocol, on page 139
- monitor subscriber, on page 140
- no, on page 141
- nrf discovery-info discovery-filter, on page 141
- nrf discovery-info discovery-filter nf-discovery-profile, on page 141
- nrf discovery-info discovery-filter nf-discovery-profile nf-service, on page 141
- nrf registration-info, on page 141
- nrf subscription-info, on page 142
- paginate, on page 142
- patch amf-ngap-ep, on page 142
- patch amf-rest-ep, on page 143
- patch amf-sctp-lb, on page 143
- patch amf-service, on page 143
- peers, on page 144
- peers all, on page 144
- profile emergency-profile emergency, on page 144
- profile emergency-profile emergency extended-emergency-num, on page 145
- profile emergency-profile emergency local-emergency-num, on page 145
- profile emergency-profile emergency slice, on page 146
- profile network-element amf, on page 146
- profile network-element amf query-params, on page 147
- profile network-element ausf, on page 148
- profile network-element ausf query-params, on page 148
- profile network-element nssf, on page 149
- profile network-element nssf query-params, on page 149
- profile network-element pcf, on page 150
- profile network-element pcf query-params, on page 150
- profile network-element smf, on page 151
- profile network-element smf query-params, on page 151
- profile network-element udm, on page 152
- profile network-element udm query-params, on page 152
- profile nf-client nf-type amf amf-profile, on page 153
- profile nf-client nf-type amf amf-profile locality, on page 153
- profile nf-client nf-type amf amf-profile locality service name type, on page 154
- profile nf-client nf-type amf amf-profile locality service name type endpoint-profile, on page 154
- profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name, on page 156

- profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions, on page 158
- profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name primary ip-address, on page 160
- profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name secondary ip-address, on page 161
- profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address, on page 163
- profile nf-client nf-type amf amf-profile locality service name type endpoint-profile version uri-version, on page 164
- profile nf-client nf-type ausf ausf-profile, on page 165
- profile nf-client nf-type ausf ausf-profile locality, on page 166
- profile nf-client nf-type ausf ausf-profile locality service name type, on page 166
- profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile, on page 167
- profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name, on page 168
- profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions, on page 170
- profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name primary ip-address, on page 172
- profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name secondary ip-address, on page 173
- profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address, on page 175
- profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile version uri-version, on page 176
- profile nf-client nf-type chf chf-profile, on page 177
- profile nf-client nf-type chf chf-profile locality, on page 178
- profile nf-client nf-type chf chf-profile locality service name type, on page 178
- profile nf-client nf-type chf chf-profile locality service name type endpoint-profile, on page 179
- profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name, on page 181
- profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions, on page 182
- profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name primary ip-address, on page 184
- profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name secondary ip-address, on page 186
- profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address, on page 187
- profile nf-client nf-type chf chf-profile locality service name type endpoint-profile version uri-version, on page 189
- profile nf-client nf-type eir eir-profile, on page 190
- profile nf-client nf-type eir eir-profile locality, on page 190
- profile nf-client nf-type eir eir-profile locality service name type, on page 191
- profile nf-client nf-type eir eir-profile locality service name type endpoint-profile, on page 191
- profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name, on page 193

- [profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions](#), on page 195
- [profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name primary ip-address](#), on page 197
- [profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name secondary ip-address](#), on page 198
- [profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name tertiary ip-address](#), on page 200
- [profile nf-client nf-type eir eir-profile locality service name type endpoint-profile version uri-version](#), on page 201
- [profile nf-client nf-type group nrf auth service type nrf oauth2](#), on page 202
- [profile nf-client nf-type nssf nssf-profile](#), on page 203
- [profile nf-client nf-type nssf nssf-profile locality](#), on page 204
- [profile nf-client nf-type nssf nssf-profile locality service name type](#), on page 204
- [profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile](#), on page 205
- [profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name](#), on page 207
- [profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions](#), on page 208
- [profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name primary ip-address](#), on page 210
- [profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name secondary ip-address](#), on page 212
- [profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address](#), on page 213
- [profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile version uri-version](#), on page 215
- [profile nf-client nf-type oauthenable](#), on page 216
- [profile nf-client nf-type pcf pcf-profile](#), on page 217
- [profile nf-client nf-type pcf pcf-profile locality](#), on page 217
- [profile nf-client nf-type pcf pcf-profile locality service name type](#), on page 218
- [profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile](#), on page 219
- [profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name](#), on page 220
- [profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions](#), on page 222
- [profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name primary ip-address](#), on page 224
- [profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name secondary ip-address](#), on page 225
- [profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address](#), on page 227
- [profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile version uri-version](#), on page 228
- [profile nf-client nf-type sepp sepp-profile](#), on page 229
- [profile nf-client nf-type sepp sepp-profile locality](#), on page 230
- [profile nf-client nf-type sepp sepp-profile locality service name type](#), on page 230
- [profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile](#), on page 231



- profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name, on page 233
- profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions, on page 234
- profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name primary ip-address, on page 236
- profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name secondary ip-address, on page 238
- profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name tertiary ip-address, on page 239
- profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile version uri-version, on page 241
- profile nf-client nf-type smf smf-profile, on page 242
- profile nf-client nf-type smf smf-profile locality, on page 242
- profile nf-client nf-type smf smf-profile locality service name type, on page 243
- profile nf-client nf-type smf smf-profile locality service name type endpoint-profile, on page 243
- profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name, on page 245
- profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions, on page 247
- profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name primary ip-address, on page 249
- profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name secondary ip-address, on page 250
- profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address, on page 252
- profile nf-client nf-type smf smf-profile locality service name type endpoint-profile version uri-version, on page 253
- profile nf-client nf-type udm udm-profile, on page 254
- profile nf-client nf-type udm udm-profile locality, on page 255
- profile nf-client nf-type udm udm-profile locality service name type, on page 255
- profile nf-client nf-type udm udm-profile locality service name type endpoint-profile, on page 256
- profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name, on page 258
- profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions, on page 259
- profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name primary ip-address, on page 261
- profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name secondary ip-address, on page 263
- profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name tertiary ip-address, on page 264
- profile nf-client nf-type udm udm-profile locality service name type endpoint-profile version uri-version, on page 266
- profile nf-client-failure nf-type amf, on page 267
- profile nf-client-failure nf-type amf profile failure-handling, on page 267
- profile nf-client-failure nf-type amf profile failure-handling service name type, on page 267

- profile nf-client-failure nf-type amf profile failure-handling service name type message type, on page 268
- profile nf-client-failure nf-type amf profile failure-handling service name type message type status-code httpv2, on page 269
- profile nf-client-failure nf-type ausf, on page 271
- profile nf-client-failure nf-type ausf profile failure-handling, on page 271
- profile nf-client-failure nf-type ausf profile failure-handling service name type, on page 271
- profile nf-client-failure nf-type ausf profile failure-handling service name type message type, on page 272
- profile nf-client-failure nf-type ausf profile failure-handling service name type message type status-code httpv2, on page 272
- profile nf-client-failure nf-type chf, on page 274
- profile nf-client-failure nf-type chf profile failure-handling, on page 275
- profile nf-client-failure nf-type chf profile failure-handling service name type, on page 275
- profile nf-client-failure nf-type chf profile failure-handling service name type message type, on page 276
- profile nf-client-failure nf-type chf profile failure-handling service name type message type status-code httpv2, on page 276
- profile nf-client-failure nf-type eir, on page 278
- profile nf-client-failure nf-type eir profile failure-handling, on page 278
- profile nf-client-failure nf-type eir profile failure-handling service name type, on page 279
- profile nf-client-failure nf-type eir profile failure-handling service name type message type, on page 279
- profile nf-client-failure nf-type eir profile failure-handling service name type message type status-code httpv2, on page 280
- profile nf-client-failure nf-type nrf, on page 282
- profile nf-client-failure nf-type nrf profile failure-handling, on page 282
- profile nf-client-failure nf-type nrf profile failure-handling service name type, on page 283
- profile nf-client-failure nf-type nrf profile failure-handling service name type message type, on page 283
- profile nf-client-failure nf-type nrf profile failure-handling service name type message type status-code httpv2, on page 284
- profile nf-client-failure nf-type nssf, on page 285
- profile nf-client-failure nf-type nssf profile failure-handling, on page 285
- profile nf-client-failure nf-type nssf profile failure-handling service name type, on page 285
- profile nf-client-failure nf-type nssf profile failure-handling service name type message type, on page 286
- profile nf-client-failure nf-type nssf profile failure-handling service name type message type status-code httpv2, on page 286
- profile nf-client-failure nf-type pcf, on page 288
- profile nf-client-failure nf-type pcf profile failure-handling, on page 288
- profile nf-client-failure nf-type pcf profile failure-handling service name type, on page 289
- profile nf-client-failure nf-type pcf profile failure-handling service name type message type, on page 290
- profile nf-client-failure nf-type pcf profile failure-handling service name type message type status-code httpv2, on page 290
- profile nf-client-failure nf-type sepp, on page 292
- profile nf-client-failure nf-type sepp profile failure-handling, on page 292
- profile nf-client-failure nf-type sepp profile failure-handling service name type, on page 293
- profile nf-client-failure nf-type sepp profile failure-handling service name type message type, on page 293

- profile nf-client-failure nf-type sepp profile failure-handling service name type message type status-code httpv2, on page 294
- profile nf-client-failure nf-type smf, on page 296
- profile nf-client-failure nf-type smf profile failure-handling, on page 296
- profile nf-client-failure nf-type smf profile failure-handling service name type, on page 297
- profile nf-client-failure nf-type smf profile failure-handling service name type message type, on page 297
- profile nf-client-failure nf-type smf profile failure-handling service name type message type status-code httpv2, on page 298
- profile nf-client-failure nf-type udm, on page 300
- profile nf-client-failure nf-type udm profile failure-handling, on page 300
- profile nf-client-failure nf-type udm profile failure-handling service name type, on page 300
- profile nf-client-failure nf-type udm profile failure-handling service name type message type, on page 301
- profile nf-client-failure nf-type udm profile failure-handling service name type message type status-code httpv2, on page 302
- profile nf-pair nf-type, on page 304
- profile nf-pair nf-type cache invalidation true, on page 305
- profile nf-pair nf-type locality, on page 306
- profile nf-pair nf-type nrf-auth-group nrf-discovery-group, on page 306
- quit, on page 307
- reconcile, on page 307
- resource pod, on page 308
- resource pod cpu, on page 308
- resource pod labels, on page 308
- resource pod memory, on page 309
- resources, on page 309
- resources info, on page 309
- router bfd instance instance-id, on page 309
- router bfd instance instance-id interface-list, on page 310
- router bfd instance instance-id interface-list neighbors, on page 310
- router bgplist, on page 311
- router bgplist bfd, on page 311
- router bgplist interfaceList, on page 312
- router bgplist interfaceList bondingInterfaces, on page 312
- router bgplist interfaceList neighbors, on page 313
- router bgplist policies, on page 313
- router monitor-interface interface-list, on page 315
- rpc, on page 315
- rpc all, on page 315
- running-status, on page 316
- running-status info, on page 316
- screen-length, on page 316
- screen-width, on page 316
- search, on page 317
- search, on page 317

- [send](#), on page 317
- [sessions](#), on page 318
- [sessions affinity](#), on page 318
- [sessions commit-pending](#), on page 318
- [show](#), on page 319
- [show bfd-neighbor](#), on page 319
- [show bgp-global](#), on page 319
- [show bgp-kernel-route](#), on page 319
- [show bgp-neighbors](#), on page 320
- [show bgp-route-summary](#), on page 320
- [show bgp-routes](#), on page 320
- [show edr](#), on page 321
- [show geo-maintenance-mode](#), on page 321
- [show georeplication](#), on page 321
- [show local-interface-status](#), on page 322
- [show role](#), on page 322
- [show subscriber](#), on page 322
- [show subscriber ran-opt](#), on page 323
- [show-defaults](#), on page 324
- [slice-group](#), on page 324
- [slice-group slices](#), on page 325
- [smiuser](#), on page 325
- [system](#), on page 327
- [tai-group](#), on page 327
- [tai-group tais](#), on page 328
- [tai-group tais tailist](#), on page 328
- [tai-group tais tailist tac](#), on page 329
- [tai-group tais tailist tac range](#), on page 329
- [terminal](#), on page 330
- [timestamp](#), on page 330
- [tracing](#), on page 330
- [tracing endpoint](#), on page 331
- [who](#), on page 331

## aaa

Configures the AAA-based user management parameters.

---

### Command Modes

Exec

---

### Syntax Description

```
aaa authentication users user admin change-password { old-password  
old_password | new-password new_password | confirm-password new_password }
```

**old-password** *old\_password*

Specify the current password.

Must be a string.

**new-password** *new\_password*

Specify the new password.

Must be a string.

**confirm-password** *new\_password*

Specify the new password once again to change the password.

Must be a string.

**Usage Guidelines**

Use this command to configure the AAA-based user management parameters.

## amf-global

Configures global AMF parameters.

**Command Modes**

Exec > Global Configuration (config)

**Syntax Description**

**amf-global** **amf-name** *amf\_name*

**amf-name** *amf\_name*

Specify name of the AMF.

Must be a string.

**Usage Guidelines**

Use this command to configure global AMF parameters. The CLI prompt changes to the AMF Global Configuration mode (config-amf-global).

## amf-global call-control-policy

Configures call control policy.

**Command Modes**

Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description**

```
call-control-policy cc_policy_name { asynch-type-comm { false | true } |
check-eir { false | true } | default-dnn default_dnn | disable-init-csr-reg
{ false | true } | disable-rfsp-pcf { false | true } |
enable-auth-periodic-reg { false | true } | enable-auth-svc-req { false
| true } | enable-guti-realloc-periodic-reg { false | true } |
enable-guti-realloc-service-req { false | true } | report-uli { false |
true } | retrieve-imei { false | true } }
```

**asynch-type-comm** { **false** | **true** }

Specify whether to enable or disable asynchronous communication.

Must be one of the following:

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

Default Value: false.

**call-control-policy *cc\_policy\_name***

Specify the name of the Call Control Policy.

Must be a string.

**check-eir { false | true }**

Specify whether to enable or disable the parameters to check EIR.

Must be one of the following:

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

Default Value: false.

**default-dnn *default\_dnn***

Specify the default DNN.

Must be a string.

**disable-init-csr-reg { false | true }**

Specify whether to enable or disable initial CSR registration.

Must be one of the following:

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

Default Value: true.

**disable-rfsp-pcf { false | true }**

Specify whether to enable or disable RFSP PCF.

Must be one of the following:

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

Default Value: false.

**enable-auth-periodic-reg { false | true }**

Specify whether to enable or disable periodic authentication registration.

Must be one of the following:

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

Default Value: false.

**enable-auth-svc-req { false | true }**

Specify whether to enable or disable authentication service request.

Must be one of the following:

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

Default Value: false.

**enable-guti-realloc-periodic-reg { false | true }**

Specify whether to enable or disable GUTI reallocation periodic registration.

Must be one of the following:

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

Default Value: true.

**enable-guti-realloc-service-req { false | true }**

Specify whether to enable or disable GUTI reallocation service request.

Must be one of the following:

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

Default Value: false.

**report-uli { false | true }**

Specify whether to enable or disable ULI report.

Must be one of the following:

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

Default Value: false.

**retrieve-imei { false | true }**

Specify whether to enable or disable the parameters to retrieve IMEI.

Must be one of the following:

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

Default Value: false.

**tai-group** *tai\_group\_name*

Specify name of the TAI group.

**Usage Guidelines** Use this command to configure call control policy parameters.

## amf-global call-control-policy am-policy

Configures global AM policy parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

**Syntax Description** **am-policy skip { false | true }**

**skip { false | true }**

Specify whether to skip fetching the AM Policy.

Must be one of the following:

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

Default Value: false.

**Usage Guidelines** Use this command to configure global AM parameters.

## amf-global call-control-policy core-network-type-restriction

Configures enabling policy to apply CoreNetworkType restriction at AMF.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-*policy\_name*)

**Syntax Description** **core-network-type-restriction** *restriction*

**core-network-type-restriction** *restriction*

Specify the core network type restriction.

Must be one of the following:



- **5gc**
- **override-udm-restrictions**

**Usage Guidelines** Use this command to configure enabling policy to apply CoreNetworkType restriction at AMF.

## amf-global call-control-policy default-slice

Configures default slice for the subscriber.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description** **default-slice name** *slice\_name* **sst** *slice\_service\_type* **sdt** *slice\_differentiator\_type*

**name** *slice\_name*

Specify name of the slice.

Must be a string.

**sdt** *slice\_differentiator\_type*

Specify the Slice Differentiator Type (SDT).

Must be a string in the octet-string24 pattern. For information on the octet-string24 pattern, see the Input Pattern Types section.

**sst** *slice\_service\_type*

Specify the Slice Service Type (SST).

Must be an integer in the range of 0-255.

**Usage Guidelines** Use this command to configure default slice for the subscriber.

## amf-global call-control-policy feature-support-ie ims-vops-service-3gpp no-support

Configures ims-vops-service-3gpp support.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-call\_control\_policy\_name)

**Syntax Description** **feature-support-ie ims-vops-service-3gpp** [ **not-supported** { **false** | **true** } ] [ **reject-voice-centric-ue** { **false** | **true** } ]

**not-supported** { **false** | **true** }

Specify whether to enable or disable 5G VoPS 3GPP support.

Must be one of the following:

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

Default Value: true.

**reject-voice-centric-ue { false | true }**

Specify if VoPS is not supported whether to reject voice-centric UE registration.

Must be one of the following:

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

Default Value: false.

**Usage Guidelines**

Use this command to configure ims-vops-service-3gpp support.

## amf-global call-control-policy feature-support-ie ims-vops-service-3gpp support

Configures ims-vops-service-3gpp support.

**Command Modes**

Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-call\_control\_policy\_name)

**Syntax Description**

```
feature-support-ie ims-vops-service-3gpp support supported { false | true }  
ue-capability-match-required { false | true }
```

**supported { false | true }**

Specify whether to enable or disable 5G VoPS 3GPP support.

Must be one of the following:

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

Default Value: false.

**ue-capability-match-required { false | true }**

Specify whether if VoPS is supported UE capability check is required or not required.

Must be one of the following:

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

Default Value: false.

**Usage Guidelines** Use this command to configure ims-vops-service-3gpp support.

## amf-global call-control-policy local-cause-code-map auth-failure

Configures the UE authentication failure condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_service\_name*)

**Syntax Description** **local-cause-code-map auth-failure cause-code-5gmm** *cause\_code\_5gmm*

**cause-code-5gmm** *cause\_code\_5gmm*

Specify the condition type.

Must be one of the following:

- **illegal-ms**
- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: illegal-ms.

**Usage Guidelines** Use this command to configure the ue authentication failure condition type parameter.

## amf-global call-control-policy local-cause-code-map clear-subscriber

Configures the UE subscriber clear condition type.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** **local-cause-code-map clear-subscriber cause-code-5gmm** *cause\_code\_5gmm*

**cause-code-5gmm** *cause\_code\_5gmm*

Specify the condition type.

Must be one of the following:

- **5GS-services-not-allowed**

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: plmn-not-allowed.

**Usage Guidelines** Use this command to configure the UE subscriber clear condition type.

## amf-global call-control-policy local-cause-code-map ctxt-xfer-fail-amf

Configures the AMF context transfer failure condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

**Syntax Description** **local-cause-code-map ctxt-xfer-fail-amf cause-code-5gmm** *cause\_code\_5gmm*

**cause-code-5gmm** *cause\_code\_5gmm*

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**
- **ue-identity-not-derived**

Default Value: ue-identity-not-derived.

**Usage Guidelines** Use this command to configure the AMF context transfer failure condition type parameter.

## amf-global call-control-policy local-cause-code-map ctxt-xfer-fail-mme

Configures the MME context transfer failure condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-*policy\_name*)

**Syntax Description** `local-cause-code-map ctxt-xfer-fail-mme cause-code-5gmm cause_code_5gmm`

**cause-code-5gmm *cause\_code\_5gmm***

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**
- **ue-identity-not-derived**

Default Value: ue-identity-not-derived.

**Usage Guidelines** Use this command to configure the MME context transfer failure condition type parameter.

## amf-global call-control-policy local-cause-code-map dnn-mismatch

Configures the DNN mismatch condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-*policy\_name*)

**Syntax Description** `local-cause-code-map dnn-mismatch cause-code-5gmm cause_code_5gmm`

**cause-code-5gmm *cause\_code\_5gmm***

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: plmn-not-allowed.

**Usage Guidelines** Use this command to configure the DNN mismatch condition type parameter.

## amf-global call-control-policy local-cause-code-map dnn-not-subscribed

Configures the DNN not subscribed condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-*policy\_name*)

**Syntax Description** `local-cause-code-map dnn-not-subscribed cause-code-5gmm cause_code_5gmm`

**cause-code-5gmm *cause\_code\_5gmm***

Specify the condition type.

Must be one of the following:

- **dnn-not-subscribed**

Default Value: dnn-not-subscribed.

**Usage Guidelines** Use this command to configure the DNN not subscribed condition type parameter.

## amf-global call-control-policy local-cause-code-map gw-unreachable

Configures the GW Unreachable Condition Type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

**Syntax Description** `local-cause-code-map gw-unreachable cause-code-5gmm cause_code_5gmm`

**cause-code-5gmm *cause\_code\_5gmm***

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: no-suitable-cells-in-tracking-area.

#### Usage Guidelines

Use this command to configure the GW Unreachable Condition Type parameter.

## amf-global call-control-policy local-cause-code-map inter-plmn-roaming

Configures the inter-PLMN roaming condition type parameter.

#### Command Modes

Exec > Global Configuration (config)

#### Syntax Description

**local-cause-code-map inter-plmn-roaming cause-code-5gmm** *cause\_code\_5gmm*

**cause-code-5gmm** *cause\_code\_5gmm*

Specify the condition type.

Must be one of the following:

- **5GS-services-not-allowed**
- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: plmn-not-allowed.

#### Usage Guidelines

Use this command to configure the inter-PLMN roaming condition type parameter.

## amf-global call-control-policy local-cause-code-map peer-node-unknown

Configures the peer node no response condition type parameter.

#### Command Modes

Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

#### Syntax Description

**local-cause-code-map peer-node-unknown cause-code-5gmm** *cause\_code\_5gmm*

**cause-code-5gmm** *cause\_code\_5gmm*

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**
- **ue-identity-not-derived**

Default Value: ue-identity-not-derived.

**Usage Guidelines** Use this command to configure the peer node no response condition type parameter.

## amf-global call-control-policy local-cause-code-map restricted-zone-code

Configures the restricted zone code condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description** `local-cause-code-map restricted-zone-code cause-code-5gmm cause_code_5gmm`  
**cause-code-5gmm cause\_code\_5gmm**

Specify the condition type.

Must be one of the following:

- **5GS-services-not-allowed**
- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: no-suitable-cells-in-tracking-area.

**Usage Guidelines** Use this command to configure the restricted zone code condition type parameter.



# amf-global call-control-policy local-cause-code-map smf-selection-failure

Configures the SMF selection failure condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description** **local-cause-code-map smf-selection-failure cause-code-5gmm** *cause\_code\_5gmm*

**cause-code-5gmm** *cause\_code\_5gmm*

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: no-suitable-cells-in-tracking-area.

**Usage Guidelines** Use this command to configure the SMF selection failure condition type parameter.

# amf-global call-control-policy local-cause-code-map udm-unavailable

Configures the UDM not available condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description** **local-cause-code-map udm-unavailable cause-code-5gmm** *cause\_code\_5gmm*

**cause-code-5gmm** *cause\_code\_5gmm*

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**

- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: no-suitable-cells-in-tracking-area.

**Usage Guidelines** Use this command to configure the UDM not available condition type parameter.

## amf-global call-control-policy paging-priority map

Configures mapping ARP from SMF to Ngap paging priority.

**Command Modes** Exec> Global Configuration (config)> AMF Global Configuration (config-amf-global)> AMF Call Control Policy (config-call-control-policy-*policy\_name*)

**Syntax Description** **paging-priority map arp** *arp\_value* **ngap-paging-priority** *ngap\_paging\_priority*

**arp** *arp\_value*

Specify the Allocation and Retention Priority (ARP) value from SMF.

Must be an integer in the range of 1-15.

**ngap-paging-priority** *ngap\_paging\_priority*

Specify the paging priority in the paging message.

Must be an integer in the range of 0-7.

**Usage Guidelines** Use this command to configure mapping ARP from SMF to Ngap paging priority.

## amf-global call-control-policy policy amf-redirect

Configures AMF redirection parameters.

**Command Modes** Exec> Global Configuration (config)> AMF Global Configuration (config-amf-global)> AMF Call Control Policy (config-call-control-policy-*policy\_name*)

**Syntax Description** **policy amf-redirect** { **enabled** | **disabled** }

**enabled** { **false** | **true** }

Specify whether to enable or disable AMF redirection.

Must be one of the following:

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

Default Value: false.

**Usage Guidelines** Use this command to configure AMF redirection parameters.

## amf-global call-control-policy policy context-release

Configures UE Context release procedure parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description** `policy context-release force-smf-update { false | true }`

**force-smf-update { false | true }**

Specify whether to initiate SMF update without PDU list available in release messages.

Must be one of the following:

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

Default Value: false.

**Usage Guidelines** Use this command to configure UE Context release procedure parameters.

## amf-global call-control-policy policy idle-mode paging

Configures tailist for paging.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description** `policy idle-mode paging use-new-tailist`

**use-new-tailist**

Specify to use new tailist for paging as last stage.

**Usage Guidelines** Use this command to configure tailist for paging.

## amf-global call-control-policy policy idle-mode ue-cfg-update

Configures enabling paging for UE config.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-policy\_name)

**Syntax Description** `policy idle-mode ue-cfg-update initiate-paging`

**initiate-paging**

Specify to enable paging for UE config.

**Usage Guidelines** Use this command to configure enabling paging for UE config.

## amf-global call-control-policy policy nssf-interaction

Configures NSSF interaction parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-*policy\_name*)

**Syntax Description** `policy nssf-interaction { disabled | enabled }`

**enabled { false | true }**

Specify whether to enable or disable NSSF interaction.

Must be one of the following:

- false
- true

Default Value: false.

**Usage Guidelines** Use this command to configure NSSF interaction parameters.

## amf-global call-control-policy policy slicing

Configures slicing policy configuration parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-*policy\_name*)

**Syntax Description** `policy slicing inclusion-mode inclusion_mode`

**inclusion-mode *inclusion\_mode***

Specify the NSSAI Inclusion Mode to be send in Registration Accept.

Must be one of the following:

- A
- B
- C
- D
- None

Default Value: None.

**Usage Guidelines** Use this command to configure slicing policy configuration parameters.

## amf-global call-control-policy policy ue-cfg-update

Configures UE Config update procedure parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description** `policy ue-cfg-update [ on-nssf-slice-change { false | true } ] [ on-tai-change { false | true } ]`

**on-nssf-slice-change { false | true }**

Specify whether to initiate UE config update procedure if slice parameter from NSSF changes.

Must be one of the following:

- false
- true

Default Value: false.

**on-tai-change { false | true }**

Specify whether to initiate UE config update procedure on TAI list changes.

Must be one of the following:

- false
- true

Default Value: false.

**Usage Guidelines** Use this command to configure UE Config update procedure parameters.

## amf-global call-control-policy policy ue-context-transfer

Configures UE context transfer related parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description** `policy ue-context-transfer [ allow-interplmn-supi-transfer { false | true } ] [ horizontal-key-derivation { false | true } ] [ use-source-key { false | true } ] [ use-source-pcf { false | true } ]`

**allow-interplmn-supi-transfer { false | true }**

Specify whether source AMF sends UE context with SUPI.

Must be one of the following:

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

Default Value: false.

**horizontal-key-derivation { false | true }**

Specify whether source AMF will generate new key every time.

Must be one of the following:

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

Default Value: false.

**use-source-key { false | true }**

Specify whether target AMF will use key received from source AMF.

Must be one of the following:

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

Default Value: true.

**use-source-pcf { false | true }**

Specify whether target AMF sends pcfReselectedInd as true in transfer-update and source AMF clears PCF association.

Must be one of the following:

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

Default Value: true.

---

**Usage Guidelines**

Use this command to configure UE context transfer related parameters.

## amf-global call-control-policy rat-type-restriction

Configures enabling policy to apply RatType restriction at AMF.

---

**Command Modes**

Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description**     **rat-type-restriction** *restriction*

**rat-type-restriction** *restriction*

Specify the RAT type restriction.

Must be one of the following:

- EUTRAN
- NR
- VIRTUAL
- WLAN
- override-udm-restrictions

**Usage Guidelines**     Use this command to configure enabling policy to apply RatType restriction at AMF.

## amf-global call-control-policy registration restrict

Configures enabling policy to restrict subscriber for all locations at AMF.

**Command Modes**     Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description**     **registration restrict access-type** *access\_type*

**access-type** *access\_type*

Specify the access type.

Must be one of the following:

- all

**Usage Guidelines**     Use this command to configure enabling policy to restrict subscriber for all locations at AMF.

## amf-global call-control-policy security-algo security-algo

Configures multiple algorithms in priority order.

**Command Modes**     Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

**Syntax Description**     **security-algo** *priority* [ [ **ciphering-algo** *ciphering\_algorithm* ] [ **integrity-prot-algo** *integrity\_protocol\_algorithm* ] ]

**ciphering-algo** *ciphering\_algorithm*

Specify the ciphering algorithm.

Must be one of the following:

- 128-5G-EA1
- 128-5G-EA2
- 5G-EA0

**integrity-prot-algo** *integrity\_protocol\_algorithm*

Specify the integrity protocol algorithm.

Must be one of the following:

- 128-5G-IA1
- 128-5G-IA2
- 5G-IA0

**security-algo** *priority*

Specify the priority.

Must be an integer.

**Usage Guidelines**

Use this command to configure multiple algorithms in priority order.

## amf-global call-control-policy timers context-transfer-guard

Configures the context-transfer-guard timer parameter.

**Command Modes**

Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-policy\_name)

**Syntax Description**

**timers context-transfer-guard value** *timeout\_duration*

**value** *timeout\_duration*

Specify the timeout period in seconds.

Must be an integer in the range of 0-35712000.

**Usage Guidelines**

Use this command to configure the context-transfer-guard timer in seconds. Started by source AMF on receiving TransferUpdate. On expiry, PDUs will be cleared locally.

## amf-global call-control-policy timers ho-supervisory

Configures the ho-supervisory timer parameter.

**Command Modes**

Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)



---

**Syntax Description**     **timers ho-supervisory value** *timer\_value*

**value** *timer\_value*

Specify the timer value in milliseconds.

Must be an integer in the range of 100-10000.

Default Value: 500.

---

**Usage Guidelines**     Use this command to configure the ho-supervisory timer parameter.

## amf-global call-control-policy timers t3502

Configures the t3502 timer parameter.

---

**Command Modes**     Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-policy\_name)

---

**Syntax Description**     **timers t3502 value** *timeout\_duration*

**value** *timeout\_duration*

Specify the timeout period in seconds.

Must be an integer in the range of 0-35712000.

---

**Usage Guidelines**     Use this command to configure the t3502 timer parameter.

## amf-global call-control-policy timers t3512

Configures the t3512 timer parameter.

---

**Command Modes**     Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-policy\_name)

---

**Syntax Description**     **timers t3512 value** *timeout\_duration*

**value** *timeout\_duration*

Specify the timeout period in seconds.

Must be an integer in the range of 0-35712000.

---

**Usage Guidelines**     Use this command to configure the t3512 timer parameter.

## amf-global call-control-policy timers t3513

Configures the t3513 timer parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

**Syntax Description** `timers t3513 value timeout_duration retry max_retries`

**retry max\_retries**

Specify the maximum number of retries.

Must be an integer in the range of 0-5.

Default Value: 4.

**value timeout\_duration**

Specify the timeout period in seconds.

Must be an integer in the range of 0-30.

Default Value: 6.

**Usage Guidelines** Use this command to configure the t3513 timer parameter.

## amf-global call-control-policy timers t3522

Configures the t3522 timer parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

**Syntax Description** `timers t3522 value timeout_duration retry max_retries`

**retry max\_retries**

Specify the maximum number of retries.

Must be an integer in the range of 0-5.

Default Value: 4.

**value timeout\_duration**

Specify the timeout period in seconds.

Must be an integer in the range of 0-30.

Default Value: 6.

**Usage Guidelines** Use this command to configure the t3522 timer parameter.

## amf-global call-control-policy timers t3550

Configures the t3550 timer parameter.

---

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

---

**Syntax Description** **timers t3550 value** *timeout\_duration* **retry** *max\_retries*

**retry** *max\_retries*

Specify the maximum number of retries.

Must be an integer in the range of 0-5.

Default Value: 4.

**value** *timeout\_duration*

Specify the timeout period in seconds.

Must be an integer in the range of 0-30.

Default Value: 6.

---

**Usage Guidelines** Use this command to configure the t3550 timer parameter.

## amf-global call-control-policy timers t3555

Configures the t3555 timer parameter.

---

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

---

**Syntax Description** **timers t3555 value** *timeout\_duration* **retry** *max\_retries*

**retry** *max\_retries*

Specify the maximum number of retries.

Must be an integer in the range of 0-5.

Default Value: 4.

**value** *timeout\_duration*

Specify the timeout period in seconds.

Must be an integer in the range of 0-30.

Default Value: 6.

---

**Usage Guidelines** Use this command to configure the t3555 timer.

## amf-global call-control-policy timers t3560

Configures the t3560 timer parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

**Syntax Description** `timers t3560 value timeout_duration retry max_retries`

**retry max\_retries**

Specify the maximum number of retries.

Must be an integer in the range of 0-5.

Default Value: 4.

**value timeout\_duration**

Specify the timeout period in seconds.

Must be an integer in the range of 0-30.

Default Value: 6.

**Usage Guidelines** Use this command to configure t3560 timer parameter.

## amf-global call-control-policy timers t3570

Configures the t3570 timer parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

**Syntax Description** `timers t3570 value timeout_duration retry max_retries`

**retry max\_retries**

Specify the maximum number of retries.

Must be an integer in the range of 0-5.

Default Value: 4.

**value timeout\_duration**

Specify the timeout period in seconds.

Must be an integer in the range of 0-30.

Default Value: 6.

**Usage Guidelines** Use this command to configure the t3570 timer parameter.

## amf-global call-control-policy timers tguard

Configures the tguard timer parameter.

---

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

---

**Syntax Description** **timers tguard value** *timeout\_duration*

**value** *timeout\_duration*

Specify the timeout period in seconds.

Must be an integer in the range of 0-35712000.

---

**Usage Guidelines** Use this command to configure the tguard timer parameter.

## amf-global call-control-policy timers tidle

Configures the UE connected mode inactivity timer parameter.

---

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

---

**Syntax Description** **timers tidle value** *timeout\_duration*

**value** *timeout\_duration*

Specify the timer value in seconds.

Must be an integer in the range of 30-25200.

---

**Usage Guidelines** Use this command to configure the UE connected mode inactivity timer parameter.

## amf-global call-control-policy timers tidt

Configures the tidt timer parameter.

---

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

---

**Syntax Description** **timers tidt value** *timeout\_duration*

**value** *timeout\_duration*

Specify the timeout period in seconds.

Must be an integer in the range of 0-35712000.

---

**Usage Guidelines** Use this command to configure the tidt timer parameter.

## amf-global call-control-policy timers tn2

Configures the tn2 timer parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

**Syntax Description** `timers tn2 value timeout_duration`

**value** *timeout\_duration*

Specify the timeout period in seconds.

Must be an integer in the range of 0-35712000.

**Usage Guidelines** Use this command to configure the tn2 timer parameter.

## amf-global call-control-policy timers tpurge

Configures the purge timer parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy Configuration (config-call-control-policy-*policy\_name*)

**Syntax Description** `timers tpurge value timeout_duration`

**value** *timeout\_duration*

Specify the timeout period in seconds.

Must be an integer in the range of 0-35712000.

**Usage Guidelines** Use this command to configure the purge timer parameter.

## amf-global dnn-policy

Configures the DNN policy parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description** `dnn-policy dnn_name [ [ ims-enabled { false | true } ] [ lbo-roaming-allowed { false | true } ] [ nf-profile-name nf_profile_name ] ]`

**dnn-policy** *dnn\_name*

Specify name of the DNN.

Must be a string.

**ims-enabled { false | true }**

Specify whether IMS is enabled for DNN.

Must be one of the following:

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

Default Value: false.

**lbo-roaming-allowed { false | true }**

Specify whether Local Breakout Roaming is supported.

Must be one of the following:

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

Default Value: false.

**nf-profile-name *nf\_profile\_name***

Specify name of the NF profile.

Must be a string.

---

**Usage Guidelines** Use this command to configure DNN policy parameter.

## amf-global dnn-policy network-element-profile-list

Configures the network element profile list.

---

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > DNN Policy Configuration (config-dnn-policy-policy\_name)

---

**Syntax Description** **network-element-profile-list smf** *smf\_profile\_name*

**smf *smf\_profile\_name***

Specify name of the SMF network element profile.

Must be a string.

---

**Usage Guidelines** Use this command to configure the network element profile list.

## amf-global nf-profile

Configures NF profile parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description** **nf-profile** *nf\_profile\_name*

***nf\_profile\_name***

Specify name of the NF profile.

Must be a string.

**Usage Guidelines** Use this command to configure NF profile parameters. The CLI prompt changes to the NF Profile Configuration mode (config-nf-profile-<profile\_name>).

## amf-global nf-profile nf-type-profile

Configures the NF profile type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > NF Profile Configuration (config-nf-profile-*profile\_name*)

**Syntax Description** **nf-type-profile type** *nf\_profile\_type*

**type** *nf\_profile\_type*

Specify the NF profile type.

Must be one of the following:

- **ausf**
- **nrf**
- **nssf**
- **pcf**
- **smf**
- **udm**

**Usage Guidelines** Use this command to configure the NF profile type parameter. The CLI prompt changes to the NF Type Profile Configuration mode (config-nf-type-profile-<type>).

## amf-global nf-profile nf-type-profile grpc-endpoint

Configures GRPC endpoint parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > NF Profile Name Configuration (config-nf-profile-*nf\_profile\_name*) > NF Profile Type Configuration (config-nf-type-profile-*profile\_name*)

**Syntax Description** **grpc-endpoint host** *host\_name* **port** *port\_number*



**host** *host\_name*

Specify the host name.

Must be a string.

**port** *port\_number*

Specify the port number.

Must be an integer.

**Usage Guidelines** Use this command to configure GRPC endpoint parameters.

## amf-global nf-profile nf-type-profile http-endpoint

Configures HTTP endpoint parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > NF Profile Name Configuration (config-nf-profile-*nf\_profile\_name*) > NF Profile Type Configuration (config-nf-type-profile-*profile\_name*)

**Syntax Description** **http-endpoint** **base-url** *base\_url*

**base-url** *base\_url*

Specify the base URL.

Must be a string.

**Usage Guidelines** Use this command to configure HTTP endpoint parameters.

## amf-global operator-policy

Configures the operator policy.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description** **operator-policy** *policy\_name* [ [ **ccp-name** *ccp\_name* ] [ **nf-profile-name** *nf\_profile\_name* ] [ **paging-policy-name** *paging\_policy\_name* ] ]

**ccp-name** *ccp\_name*

Specify name of the CCP.

Must be a string.

**emergency-profile-name** *emergency\_profile\_name*

Specify name of the emergency profile.

**nf-profile-name** *nf\_profile\_name*

Specify name of the NF profile.

Must be a string.

**operator-policy** *policy\_name*

Specify name of the operator policy.

Must be a string.

**paging-map-name** *paging\_map\_name*

Specify name of the 5G paging map.

Must be a string of 1-64 characters.

---

**Usage Guidelines** Use this command to configure the operator policy.

## amf-global operator-policy network-element-profile-list

Configures network element profiles.

---

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > Operator Policy Configuration (config-operator-policy-*policy\_name*)

---

**Syntax Description** **network-element-profile-list** { **amf** *amf\_ne\_profile\_name* | **ausf** *ausf\_ne\_profile\_name* | **nssf** *nssf\_ne\_profile\_name* | **pcf** *pcf\_ne\_profile\_name* | **smf** *smf\_ne\_profile\_name* | **udm** *udm\_ne\_profile\_name* }

**amf** *amf\_ne\_profile\_name*

Specify name of the AMF network element profile.

Must be a string.

**ausf** *ausf\_ne\_profile\_name*

Specify name of the AUSF network element profile.

Must be a string.

**nssf** *nssf\_ne\_profile\_name*

Specify name of the NSSF network element profile.

Must be a string.

**pcf** *pcf\_ne\_profile\_name*

Specify name of the PCF network element profile.

Must be a string.

**smf smf\_ne\_profile\_name**

Specify name of the SMF network element profile.

Must be a string.

**udm udm\_ne\_profile\_name**

Specify name of the UDM network element profile.

Must be a string.

**Usage Guidelines**

Use this command to configure network element profiles.

## amf-global paging-algo

Configures the paging algorithm.

**Command Modes**

Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description**

```
paging-algo algorithm_name [ [ action action ] [ max-n-gnb max_gnbs_to_page ] [ t3513-timeout paging_timeout ] [ max-paging-attempts max_paging_attempts ] ]
```

**action action**

Specify the action.

Must be one of the following:

- **all\_gnb\_all\_tai**
- **all\_gnb\_last\_tai**
- **all\_gnb\_remaining\_tai\_all**
- **all\_gnb\_remaining\_tai\_seq**
- **last\_gnb\_last\_tai**
- **last\_n\_gnb\_last\_tai**

**max-n-gnb max\_gnbs\_to\_page**

Specify the max number of gNBs to page.

Must be an integer in the range of 1-5.

**max-paging-attempts max\_paging\_attempts**

Specify the maximum number of paging attempts.

Must be an integer in the range of 1-5.

**paging-algo paging\_algorithm\_name**

Specify name of the paging algorithm.

Must be a string of 1-64 characters.

**t3513-timeout *paging\_timeout***

Specify the paging timeout value in seconds.

Must be an integer in the range of 1-10.

**Usage Guidelines** Use this command to configure the paging algorithm.

## amf-global paging-map

Configures the paging map parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description** **paging-map** *paging\_map\_name*

***paging\_map\_name***

Specify name of the 5G paging map.

Must be a string of 1-64 characters.

**Usage Guidelines** Use this command to configure the paging map parameters.

## amf-global paging-map precedence

Configures the paging map precedence parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description** **paging-map** *map\_name* [ **precedence** *map\_precedence\_level* [ [ **paging-profile-name** *paging\_profile\_name* ] [ **trigger-type** *trigger\_type* ] ] ]

**arp-value *arp\_value***

Specify the Allocation and Retention Priority (ARP) value.

Must be an integer in the range of 1-15.

**dereg-value *deregistration\_trigger\_value***

Specify the deregistration trigger value.

Must be one of the following:

- **amf\_init**
- **udm\_init**

**dnn-value** *dnn\_value*

Specify the Data Network Name (DNN) value.

Must be a string of 1-64 characters.

**fiveqi-value** *5qi\_value*

Specify the 5G QoS Indicator value.

Must be an integer in the range of 1-85.

**paging-profile-name** *paging\_profile\_name*

Specify name of the 5G paging profile.

Must be a string of 1-64 characters.

**ppi-value** *ppi\_value*

Specify the Paging Policy Indicator (PPI) value.

Must be an integer in the range of 1-7.

**precedence** *map\_precedence\_level*

Specify the map precedence level.

Must be an integer in the range of 1-255.

**trigger-type** *trigger\_type*

Specify the paging trigger type.

Must be one of the following:

- **5qi**
- **arp**
- **dereg**
- **dnn**
- **ppi**
- **uecfg**

---

**Usage Guidelines**

Use this command to configure the paging map precedence parameter.

## amf-global paging-profile

Configures paging profile parameters.

---

**Command Modes**

Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description** `paging-profile` *paging\_profile\_name*

***paging\_profile\_name***

Specify name of the 5G paging profile.

Must be a string of 1-64 characters.

**Usage Guidelines** Use this command to configure paging profile parameters. The CLI prompt changes to the Paging Profile Configuration mode (config-paging-profile-<profile\_name>).

## amf-global paging-profile paging-stage

Configures paging stage information.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > Paging Profile Configuration (config-paging-profile-*profile\_name*)

**Syntax Description** `paging-stage` *paging\_stage\_precedence* [ `paging-algo` *paging\_algorithgm\_name* ]

***paging-algo* *paging\_algorithgm\_name***

Specify name of the paging algorithgm.

Must be a string of 1-64 characters.

***paging\_stage\_precedence***

Specify the stage.

Must be an integer in the range of 1-5.

**Usage Guidelines** Use this command to configure paging stage.

## amf-global plmn-policy

Configures the operator policy.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description** `plmn-policy` *plmn\_name* `operator-policy-name` *operator\_policy\_name*

**`operator-policy-name` *operator\_policy\_name***

Specify name of the operator policy.

Must be a string.

**`plmn-policy` *plmn\_name***

Specify name of the PLMN.

Must be a string of 5-6 characters in the plmn-string pattern. For information on the plmn-string pattern, see the Input Pattern Types section.

**Usage Guidelines** Use this command to configure the operator policy.

## amf-global supi-policy

Configures SUPI policy information.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description** **supi-policy** *supi\_prefix* **operator-policy-name** *operator\_policy\_name*

**operator-policy-name** *operator\_policy\_name*

Specify name of the operator policy.

Must be a string.

**supi-policy** *supi\_prefix*

Specify the SUPI prefix.

Must be a string of 1-15 characters in the supi-string pattern. For information on the supi-string pattern, see the Input Pattern Types section.

**Usage Guidelines** Use this command to configure SUPI policy parameters.

## amf-global timers proc-timeout ue-registration

Configures timeout value for registration.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)

**Syntax Description** **timers proc-timeout ue-registration value** *timer\_value*

**value** *timer\_value*

Specify the timer value in seconds.

Must be an integer in the range of 0-120.

**Usage Guidelines** Use this command to configure timeout value for registration.

## amf-services

Configures AMF service configuration parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description**

```
amf-services amf_service_name [ [ amf-name amf_name ] [ emergency-profile-name
emergency_profile_name ] [ locality locality_name ] [ operator-policy-name
operator_policy_name ] [ relative-amf-capacity relative_amf_capacity ] [
validate-Tais { false | true } ] ]
```

**amf-name** *amf\_name*

Specify name of the AMF.

Must be a string.

**amf-services** *amf\_service\_name*

Specify name of the AMF service.

Must be a string.

**emergency-profile-name** *emergency\_profile\_name*

Specify name of the emergency profile.

**locality** *locality\_name*

Specify the locality for Geo support.

Must be a string.

**operator-policy-name** *operator\_policy\_name*

Specify name of the operator policy.

**relative-amf-capacity** *relative\_amf\_capacity*

Specify the relative AMF capacity.

Must be an integer in the range of 0-255.

Default Value: 127.

**validate-Tais** { **false** | **true** }

Specify whether to enable or disable TAI validation.

Must be one of the following:

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

Default Value: false.

**Usage Guidelines**

Use this command to configure AMF service configuration parameters. The CLI prompt changes to the AMF Services Configuration mode (config-amf-services-<service\_name>).



## amf-services guamis

Configures the Globally Unique AMF ID (GUAMIS).

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** **guamis** **mcc** *mobile\_country\_code* **mnc** *mobile\_network\_code* **region-id** *amf\_region\_id* **set-id** *amf\_set\_id* **pointer** *amf\_pointer*

### **mcc** *mobile\_country\_code*

Specify the mobile country code.

Must be a string.

### **mnc** *mobile\_network\_code*

Specify the mobile network code.

Must be a string.

### **pointer** *amf\_pointer*

Specify the pointer value.

Must be an integer.

### **region-id** *amf\_region\_id*

Specify the AMF region ID.

Must be an integer.

### **set-id** *amf\_set\_id*

Specify the AMF set ID.

Must be an integer.

**Usage Guidelines** Use this command to configure the GUAMIS, which is used to uniquely identify an AMF within a 5G network. It is comprised of the MCC, MNC, AMF Region ID, AMF Set ID and AMF Pointer.

## amf-services local-cause-code-map auth-failure

Configures the UE authentication failure condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-*policy\_name*)

**Syntax Description** **local-cause-code-map** **auth-failure** **cause-code-5gmm** *cause\_code\_5gmm*

**cause-code-5gmm *cause\_code\_5gmm***

Specify the condition type.

Must be one of the following:

- **illegal-ms**
- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: illegal-ms.

**Usage Guidelines**

Use this command to configure the UE authentication failure condition type parameter.

## amf-services local-cause-code-map clear-subscriber

Configures the UE subscriber clear condition type.

**Command Modes**

Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global) > AMF Call Control Policy (config-call-control-policy-*call\_control\_policy\_name*)

**Syntax Description**

**local-cause-code-map clear-subscriber cause-code-5gmm *cause\_code\_5gmm***

**cause-code-5gmm *cause\_code\_5gmm***

Specify the condition type.

Must be one of the following:

- **5GS-services-not-allowed**
- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: plmn-not-allowed.

**Usage Guidelines**

Use this command to configure the UE subscriber clear condition type.

## amf-services local-cause-code-map ctxt-xfer-fail-amf

Configures the AMF context transfer failure condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*service\_name*)

**Syntax Description** `local-cause-code-map ctxt-xfer-fail-amf cause-code-5gmm cause_code_5gmm`  
`cause-code-5gmm cause_code_5gmm`

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**
- **ue-identity-not-derived**

Default Value: ue-identity-not-derived.

**Usage Guidelines** Use this command to configure the AMF context transfer failure condition type parameter.

## amf-services local-cause-code-map ctxt-xfer-fail-mme

Configures the MME context transfer failure condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** `local-cause-code-map ctxt-xfer-fail-mme cause-code-5gmm cause_code_5gmm`  
`cause-code-5gmm cause_code_5gmm`

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

- **ue-identity-not-derived**

Default Value: ue-identity-not-derived.

**Usage Guidelines** Use this command to configure the MME context transfer failure condition type parameter.

## amf-services local-cause-code-map dnn-mismatch

Configures the DNN mismatch condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** `local-cause-code-map dnn-mismatch cause-code-5gmm cause_code_5gmm`

**cause-code-5gmm *cause\_code\_5gmm***

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: plmn-not-allowed.

**Usage Guidelines** Use this command to configure the DNN mismatch condition type parameter.

## amf-services local-cause-code-map dnn-not-subscribed

Configures the DNN not subscribed condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** `local-cause-code-map dnn-not-subscribed cause-code-5gmm cause_code_5gmm`

**cause-code-5gmm *cause\_code\_5gmm***

Specify the condition type.

Must be one of the following:

- **dnn-not-subscribed**

Default Value: dnn-not-subscribed.

**Usage Guidelines** Use this command to configure the DNN not subscribed condition type parameter.

## amf-services local-cause-code-map gw-unreachable

Configures the gw unreachable condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** `local-cause-code-map gw-unreachable cause-code-5gmm cause_code_5gmm`

`cause-code-5gmm cause_code_5gmm`

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: no-suitable-cells-in-tracking-area.

**Usage Guidelines** Use this command to configure the gw unreachable condition type parameter.

## amf-services local-cause-code-map inter-plmn-roaming

Configures the inter-PLMN roaming condition type parameter.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `local-cause-code-map inter-plmn-roaming cause-code-5gmm cause_code_5gmm`

`cause-code-5gmm cause_code_5gmm`

Specify the condition type.

Must be one of the following:

- **5GS-services-not-allowed**
- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**

- **tracking-area-not-allowed**

Default Value: plmn-not-allowed.

**Usage Guidelines** Use this command to configure the inter-PLMN roaming condition type parameter.

## amf-services local-cause-code-map peer-node-unknown

Configures the peer node no response condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** `local-cause-code-map peer-node-unknown cause-code-5gmm cause_code_5gmm`

**cause-code-5gmm *cause\_code\_5gmm***

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**
- **ue-identity-not-derived**

Default Value: ue-identity-not-derived.

**Usage Guidelines** Use this command to configure the peer node no response condition type parameter.

## amf-services local-cause-code-map restricted-zone-code

Configures the restricted zone code condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** `local-cause-code-map restricted-zone-code cause-code-5gmm cause_code_5gmm`

**cause-code-5gmm *cause\_code\_5gmm***

Specify the condition type.

Must be one of the following:

- **5GS-services-not-allowed**
- **no-suitable-cells-in-tracking-area**

- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: no-suitable-cells-in-tracking-area.

**Usage Guidelines** Use this command to configure the restricted zone code condition type parameter.

## amf-services local-cause-code-map smf-selection-failure

Configures the SMF selection failure condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** **local-cause-code-map smf-selection-failure cause-code-5gmm** *cause\_code\_5gmm*

**cause-code-5gmm** *cause\_code\_5gmm*

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: no-suitable-cells-in-tracking-area.

**Usage Guidelines** Use this command to configure the SMF selection failure condition type parameter.

## amf-services local-cause-code-map udm-unavailable

Configures the UDM not available condition type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** **local-cause-code-map udm-unavailable cause-code-5gmm** *cause\_code\_5gmm*

**cause-code-5gmm** *cause\_code\_5gmm*

Specify the condition type.

Must be one of the following:

- **no-suitable-cells-in-tracking-area**
- **plmn-not-allowed**
- **restricted-service-area**
- **roaming-not-allowed-in-this-tracking-area**
- **tracking-area-not-allowed**

Default Value: no-suitable-cells-in-tracking-area.

#### Usage Guidelines

Use this command to configure the UDM not available condition type parameter.

## amf-services locality oauth2-enabled

Configures the AMF ID (**oauth2-enabled**) to enable the client authorization support to NRF.

#### Command Modes

```
Exec > Global Configuration (config) > AMF Services Configuration (amf-services amf_services_name)
> AMF Name (amf-name amf_name) > Locality (locality locality_name) > oauth2-enabled
```

#### Syntax Description

```
amf-name amf_name
locality locality_name
oauth2-enabled
access-token-jws-algo { HS256 | ES256 | RS256 }
access-token-jws-key { shared_secret_key | public_key }
```

#### **oauth2-enabled**

Enable the OAuth2 client authorization to register the AMF with NRF. The default value is false.

#### **access-token-jws-algo** { HS256 | ES256 | RS256 }

Specify the type of the access token for the JWS Algorithm authorization.

#### **access-token-jws-key** { shared\_secret\_key | public\_key }

Specify the type of the access token for the JWS Key authorization.

#### Usage Guidelines

Use this command, when the **oauth2-enabled** feature is configured, the options **access-token-jws-algo** and **access-token-jws-key** are mandatory.

## amf-services peer-mme gummei

Configures Globally Unique MME Identifier (GUMMEI) parameters.

#### Command Modes

```
Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-amf_services_name)
```

#### Syntax Description

```
peer-mme gummei mcc mobile_country_code mnc mobile_network_code group-id mme_group_id
mme-code mme_code address peer_mme_ip_address
```



**address peer\_mme\_ip\_address**

Specify the IP address if the peer MME.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

-Or-

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**group-id mme\_group\_id**

Specify the MME group ID.

Must be an integer in the range of 0-65535.

**mcc mobile\_country\_code**

Specify the three-digit mobile country code. For example, 123.

Must be a string in the three-digit pattern. For information on the three-digit pattern, see the Input Pattern Types section.

**mme-code mme\_code**

Specify the MME code.

Must be an integer in the range of 0-255.

**mnc mobile\_network\_code**

Specify the two- or three-digit mobile network code. For example, 23, 456.

Must be a string in the two-or-three-digit pattern. For information on the two-or-three-digit pattern, see the Input Pattern Types section.

**Usage Guidelines**

Use this command to configure peer MME parameters.

## amf-services peer-mme tai-match

Configures TAI match.

**Command Modes**

Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description**

**peer-mme tai-match priority** *tai\_match\_priority* **mcc** *mobile\_country\_code* **mnc** *mobile\_network\_code*

**mcc mobile\_country\_code**

Specify the three-digit mobile country code. For example, 123.

Must be a string in the three-digit pattern. For information on the three-digit pattern, see the Input Pattern Types section.

**mnc *mobile\_network\_code***

Specify the two- or three-digit mobile network code. For example, 23, 456.

Must be a string in the two-or-three-digit pattern. For information on the two-or-three-digit pattern, see the Input Pattern Types section.

**priority *tai\_match\_priority***

Specify the TAI match priority value.

Must be an integer in the range of 0-4096.

**Usage Guidelines** Use this command to configure TAI match parameters.

## amf-services peer-mme tai-match tac

Configures Tracking Area Code parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** **tac** *options*

**Usage Guidelines** Use this command to configure the Tracking Area Code parameters.

## amf-services peer-mme tai-match tac any

Configures the Tracking Area Code wildcard for peer MME.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **any** *options*

**address *ip\_address***

Specify the IP address of the peer MME.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

-Or-

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**Usage Guidelines** Use this command to configure the the Tracking Area Code wildcard for peer MME.

## amf-services peer-mme tai-match tac startval

Configures the Tracking Area Code start value.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** `tac startval start tac_start_value`

**address ip\_address**

Specify the IP address of the peer MME.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

-Or-

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**start tac\_start\_value**

Specify the Tracking Area Code start value.

Must be an integer in the range of 1-65535.

---

**Usage Guidelines** Use this command to configure the the Tracking Area Code start value.

## amf-services peer-mme tai-match tac startval to

Configures the Tracking Area Code range for peer MME.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** `tac to end tac_start_value`

**address ip\_address**

Specify the IP address of the peer MME.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

-Or-

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**end tac\_end\_value**

Specify the Tracking Area Code range for Peer MME.

Must be an integer in the range of 1-65535.

---

**Usage Guidelines** Use this command to configure the the Tracking Area Code range for peer MME.

## amf-services pgw

Configures peer SMF+PGW-C parameters.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_service\_name*)

**Syntax Description** **pgw fqdn** *fqdn* **smf-network-element-profile** *smf\_ne\_profile\_name*

### **fqdn fqdn**

Specify the PGW fully qualified domain name.

Must be a string.

### **smf-network-element-profile smf\_profile\_name**

Specify name of the SMF network element profile.

Must be a string.

**Usage Guidelines** Use this command to configure SMF+PGW-C parameters.

## amf-services relative-amf-capacity

Configures the AMF Services ID (**relative-amf-capacity**) to enable the Relative Capacity Configuration Update feature in AMF.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (amf-services *amf\_services\_name*)

**Syntax Description** **config**  
**amf-services** *service\_name*  
**relative-amf-capacity** *capacity\_number*

### **relative-amf-capacity capacity\_number**

**relative-amf-capacity** *capacity\_number*—Specifies the AMF capacity, within the range of 0–255. The default value is 127.

**Usage Guidelines** Use this **relative-amf-capacity** command, when you want the relative capacity configuration update feature in AMF feature to be configured.

## amf-services tai-groups

Configures TAI groups.

**Command Modes** Exec > Global Configuration (config) > AMF Services Configuration (config-amf-services-*amf\_services\_name*)

**Syntax Description** **tai-groups** *tai\_group\_name*

***tai\_group\_name***

Specify name of the TAI group.

**Usage Guidelines**

Use this command to configure TAI groups.

You can configure a maximum of one element with this command.

## amf-tools

Enable or disable the AMF tools.

**Command Modes**

Exec > Global Configuration (config)

**Syntax Description**

**amf-tools enable { false | true }**

**enable { false | true }**

Specify to enable or disable the AMF tools.

Must be one of the following:

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

Default Value: false.

**Usage Guidelines**

Use this command to enable or disable the AMF tools.

## amf-tools amf-mock-tool

Configures AMF mock tool.

**Command Modes**

Exec > Global Configuration (config)

**Syntax Description**

**amf-mock-tool external-ip *external\_ip\_address***

**external-ip *external\_ip\_address***

Specify the external IP address.

Must be a string.

**Usage Guidelines**

Use this command to configure AMF mock tool external IP address.

## amf-tools lattice

Configures lattice.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** **lattice sctp-k8-node-name** *sctp\_k8\_node\_name* **sctp-ip-address** *sctp\_ip\_address*  
**lattic-tar-url** *lattic\_tar\_url* **test-companion-tar-url** *test\_companion\_tar\_url*

**lattic-tar-url** *lattic\_tar\_url*

Specify the lattice tar URL.

Must be a string.

**sctp-ip-address** *sctp\_ip\_address*

Specify the external IP address for SCTP.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

-Or-

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**sctp-k8-node-name** *sctp\_k8\_node\_name*

Specify the kubernetes node name on which lattice is to be deployed.

Must be a string.

**test-companion-tar-url** *test\_companion\_tar\_url*

Specify the test companion tar URL.

Must be a string.

---

**Usage Guidelines** Use this command to configure lattice.

## apn-groups

Configures APN groups.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** **apn-groups name** *apn\_group\_name*

**name** *apn\_group\_name*

Specify name of the APN group.

Must be a string.

---

**Usage Guidelines** Use this command to configure APN groups. The CLI prompt changes to the APN Groups Configuration mode (config-apn-groups-<group\_name>).

## apn-groups apns

Configures APN group parameters.

**Command Modes** Exec > Global Configuration (config) > APN Groups Configuration (config-apn-groups-*group\_name*)

**Syntax Description** **apns** *apn\_name*

**apns** *apn\_name*

Specify name of the APN.

Must be a string.

**Usage Guidelines** Use this command to configure APN group parameters.

## apn-profiles

Configures APN profile parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **apn-profiles** *apn\_profile\_name*

**apn-profiles** *apn\_profile\_name*

Specify name of the APN profile.

Must be a string.

**Usage Guidelines** Use this command to configure APN profile parameters.

## cd

Changes the current working directory.

**Command Modes** Exec

**Syntax Description** **cd** *directory* .ssh

**cd** *directory*

Specify the directory name.

Must be a string.

**Usage Guidelines** Use this command to change the current working directory.

## cdl clear sessions

Clears the data from the Cisco Data Layer (CDL) datastore.

---

### Command Modes

Exec

---

### Syntax Description

```
cdl clear sessions [ db-name database | filter filter | map-id map_id | slice-name slice_name ]
```

#### **db-name** *database*

Specify the database name to be queried for displaying the session details.

Must be a string of 1 to 16 characters.

#### **filter** *filter*

Specify the filter.

#### **map-id** *map\_id*

Specify the map ID to display the data for a map.

Must be an integer in the range of 0-1024.

#### **slice-name** *slice\_name*

Specify the slice name to be queried.

Must be a string of 1 to 16 characters.

---

### Usage Guidelines

Use this command to clear the data from the Cisco Data Layer (CDL) datastore.

## cdl kafka

Displays the Kafka parameters for Geo Replication.

---

### Command Modes

Exec

---

### Syntax Description

```
cdl kafka [ describe [ consumer-groups name | topics [ name kafka_topic_name | include-internal-topics ] ] | list [ consumer-groups | topics | include-internal-topics ]
```

#### **describe**

Describe the kafka topics or consumer groups.

#### **consumer-groups** *name*

Displays the kafka consumer groups. By default, all the consumer groups are described



**topics name *kafka\_topic\_name***

Displays the specified kafka topics. By default, all the internal topics are described

**include-internal-topics**

Indicates to include the internal topics.

**list**

Lists the kafka topics or the consumer groups.

**consumer-groups**

Lists the kafka topics or the consumer groups.

**topics include-internal-topics**

List all the kafka topics that include the internal topics.

**Usage Guidelines**

Use this command to display Kafka parameters for Geo Replication.

## cdl show sessions

Displays the session data from the datastore.

**Command Modes**

Exec

**Syntax Description**

```
cdl show sessions count [ detailed [ db-name db_name | filter { condition
[ ends-with | match | starts-with ] | key key_value } | map-id map_id |
slice-name slice_name ] | summary ] | summary [ db-name db_name | filter {
condition [ ends-with | match | starts-with ] | key key_value } | limit
limit | map-id map_id | max-data-size-kb maximum_data_size | next-eval-end-time
| next-eval-start-time | purge-on-eval | slice-name slice_name ] | detailed
[ db-name db_name | filter { condition [ ends-with | match | starts-with
] | key key_value } | limit limit | map-id map_id | max-data-size-kb
maximum_data_size | next-eval-end-time | next-eval-start-time | purge-on-eval
| slice-name slice_name ]
```

**count**

Display the session count information.

**detailed**

Display the session details with data.

**db-name *db\_name***

Specify the database name to be queried for displaying the session details.

Must be a string of 1 to 16 characters.

**key** *key\_value*

Specify the query value.

Must be a string of 0 to 512 characters.

**map-id** *map\_id*

Specify the map ID to display the data for a map.

Must be an integer in the range of 0-1024.

**limit** *limit*

Specify the maximum number of records to display.

Must be an integer in the range of 1-500.

**filter condition** { *ends-with* | *match* | *starts-with* }

Specify the query expression to filter the results of query.

**purge-on-eval**

Displays the list of sessions that have purge-on-eval flag set to true or false.

**next-eval-end-time**

Displays the sessions that have the next-eval-time less than this time.

**next-eval-start-time**

Displays the sessions that have the next-eval-time greater than this time.

**Usage Guidelines**

Use this command to display the session details.

## cdl show status

Displays the status of the database from the datastore.

**Command Modes**

Exec

**Syntax Description**

```
cdl show status db-name database_name
```

**db-name** *database\_name*

Specify the database name to display the status.

Must be a string of 1 to 16 characters.

**Usage Guidelines**

Use this command to display the status of the queried database from the datastore.

## clear ipam

Clears the IP Address Management (IPAM) operational data.

**Command Modes** Exec

**Syntax Description** `clear ipam`

**Usage Guidelines** Use this command to clear IPAM operational data.

## clear ipam

Clears the IP Address Management (IPAM) operational data.

**Command Modes** Exec

**Syntax Description** `clear ipam`

**Usage Guidelines** Use this command to clear the IPAM data.

## clear subscriber

Clears subscriber data.

**Command Modes** Exec

**Syntax Description** `clear subscriber { all | gr-instance gr_instance | imei imei_id | namespace namespace | nf-service nf_service | supi supi_id | config_specific_options }`

### **all**

Specify to remove all subscriber data.

### **gr-instance *gr\_instance***

Specify the subscribers from the GR instance.

### **imei *imei\_id***

Specify the International Mobile Equipment Identity.

Must be a string of 15-16 characters.

### **namespace *namespace***

NOTE: This keyword is deprecated, use nf-service instead. Specifies the product namespace under which to search.

Default Value: cisco-mobile-infra:none.

**nf-service *nf\_service***

Specify the network function service under which to search.

Default Value: cisco-mobile-infra:none.

**supi *supi\_id***

Specify to remove subscriber data associated with the SUPI ID.

Must be a string of 1-63 characters.

**Usage Guidelines** Use this command to clear subscriber data.

## clear subscriber

Clears the subscriber data.

**Command Modes** Exec

**Syntax Description** `clear subscriber { all | gnodeb-id { mcc mcc_value | mnc mnc_value } | gr-instance gr_instance | imei imei_id | namespace namespace | nf-service nf_service | supi supi_id | config_specific_options }`

**all**

Clears all the subscriber data.

**gnodeb-id { mcc *mcc\_value* | mnc *mnc\_value***

Specify the gNodeB ID.

**gr-instance *gr\_instance***

Specify the subscribers from the GR instance.

**imei *imei\_id***

Specify the International Mobile Equipment Identity.

Must be a string of 15 to 16 characters.

**namespace *namespace***

Specify the product namespace under which to search.



**Note** This keyword is deprecated, use nf-service instead.

Default Value: cisco-mobile-infra:none

**nf-service *nf\_service***

Specify the network function service under which to search.

Default Value: cisco-mobile-infra:none.

**supi *supi\_id***

Specify to remove subscriber data associated with the SUPI ID.

Must be a string of 1 to 63 characters.

**Usage Guidelines** Use this command to clear the subscriber data.

## clear subscriber clear-opt ran-opt

Displays and clears subscriber data based on specified criteria.

**Command Modes** Exec

**Syntax Description** `{ clear | show } subscriber gnodeb-id gnodeb_id mnc mobile_network_code mcc mobile_country_code`

**gnodeb-id *gnodeb\_id***

Specify the gnodeb-id.

Must be an integer in the range of 0-4294967295.

**mnc *mobile\_country\_code***

Specify the mobile country code.

Must be a string in the two-or-three-digit pattern. For information on the two-or-three-digit pattern, see the Input Pattern Types section.

**mnc *mobile\_network\_code***

Specify the mobile network code.

Must be a string in the two-or-three-digit pattern. For information on the two-or-three-digit pattern, see the Input Pattern Types section.

**Usage Guidelines** Use this command to view and to clear subscriber data based on specified criteria.

## client http header

Configures HTTP header parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `client http header user-agent user_agent_header`

**user-agent *user\_agent\_header***

Specify the user agent header.

Must be one of the following:

- **app-name**
- **cluster-name**
- **disable**

Default Value: app-name.

**Usage Guidelines** Use this command to configure HTTP header parameters.

## client http ping

Configures HTTP ping parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `client http ping { [ interval ping_interval ] [ timeout ping_timeout ] }`

**interval *ping\_interval***

Specify, in milliseconds, the time interval between two HTTP pings.

Must be an integer in the range of 0-30000.

Default Value: 10000.

**timeout *ping\_timeout***

Specify, in milliseconds, the ping timeout duration to detect if remote host is down.

Must be an integer in the range of 0-15000.

Default Value: 5000.

**Usage Guidelines** Use this command to configure HTTP ping parameters.

## client inbound interface

Configures inbound client interface parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `client inbound interface interface_name`

**interface *interface\_name***

Specify name of the interface.

**Usage Guidelines** Use this command to configure inbound client interface parameters. The CLI prompt changes to the Interface Configuration mode (config-interface-<interface\_name>).

## client inbound interface limit overload

Configures Overload configuration parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `client inbound limit overload reject-code response_code`

**reject-code response\_code**

Specify the response code to be used when pending limit exceeds.

Must be an integer.

**Usage Guidelines** Use this command to configure Overload configuration parameters.

## client inbound interface limit pending

Configures pending limit parameter.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `client inbound limit pending request max_pending_request_limit`

**request max\_pending\_request\_limit**

Specify the maximum pending request limit to allow.

Must be an integer.

Default Value: 10240.

**Usage Guidelines** Use this command to configure the pending request limit parameter.

## client inbound limit overload

Configures Overload configuration parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `client inbound limit overload reject-code response_code`

**reject-code response\_code**

Specify the response code to be used when pending limit exceeds.

Must be an integer.

**Usage Guidelines** Use this command to configure Overload configuration parameters.

## client inbound limit pending

Configures pending limit parameter.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `client inbound limit pending request max_pending_request_limit`

**request *max\_pending\_request\_limit***

Specify the maximum pending request limit to allow.

Must be an integer.

Default Value: 10240.

**Usage Guidelines** Use this command to configure the pending request limit parameter.

## client outbound host ping

Configures outbound host ping parameter.

**Command Modes** Exec > Global Configuration (config) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description** `host ping backoff backoff_interval timeout ping_timeout interval ping_interval`

**backoff *backoff\_interval***

Specify, in milliseconds, the backoff time interval to wait when remote host is detected down before pinging again.

Must be an integer in the range of 0-3600000.

Default Value: 0.

**interval *ping\_interval***

Specify, in milliseconds, the time interval between two pings.

Must be an integer in the range of 0-30000.

Default Value: 0.

**timeout *ping\_timeout***

Specify the ping timeout duration, in milliseconds, to detect remote host down.

Must be an integer in the range of 0-15000.

Default Value: 0.



**Usage Guidelines** Use this command to configure outbound host ping parameter.

## client outbound interface

Configures outbound client interface parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `client outbound interface interface_name`

**interface *interface\_name***

Specify the interface.

**Usage Guidelines** Use this command to configure outbound client interface parameters. The CLI prompt changes to the Interface Configuration mode (config-interface-<interface\_name>).

## client outbound interface host ping

Configures outbound host ping parameter.

**Command Modes** Exec > Global Configuration (config) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description** `host ping backoff backoff_interval timeout ping_timeout interval ping_interval`

**backoff *backoff\_interval***

Specify, in milliseconds, the backoff time interval to wait when remote host is detected down before pinging again.

Must be an integer in the range of 0-3600000.

Default Value: 0.

**interval *ping\_interval***

Specify, in milliseconds, the time interval between two pings.

Must be an integer in the range of 0-30000.

Default Value: 0.

**timeout *ping\_timeout***

Specify the ping timeout duration, in milliseconds, to detect remote host down.

Must be an integer in the range of 0-15000.

Default Value: 0.

**Usage Guidelines** Use this command to configure outbound host ping parameter.

## client outbound interface limit consecutive failure

Configures consecutive failure configuration parameters.

**Command Modes** Exec > Global Configuration (config) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description** **limit consecutive failure count** *consecutive\_failure\_count* **codes** *failure\_codes*  
**codes** *failure\_codes*

Specify the list of failure codes to be considered, such as timeout, 503, etc.

Must be a string.

You can configure a maximum of 10 elements with this keyword.

**count** *consecutive\_failure\_count*

Specify the consecutive failure limit count to detect remote host as down.

Must be an integer.

Default Value: 0.

**Usage Guidelines** Use this command to configure consecutive failure configuration parameters.

## client outbound interface limit pending

Configures pending limit configuration.

**Command Modes** Exec > Global Configuration (config) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description** **limit pending response** *response\_message\_limit*  
**response** *response\_message\_limit*

Specify the pending response message limit to detect remote host as down.

Must be an integer.

Default Value: 1024.

**Usage Guidelines** Use this command to configure pending limit configuration.

## client outbound limit consecutive failure

Configures consecutive failure configuration parameters.

**Command Modes** Exec > Global Configuration (config) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description** `limit consecutive failure count` *consecutive\_failure\_count* **codes** *failure\_codes*

**codes** *failure\_codes*

Specify the list of failure codes to be considered, such as timeout, 503, etc.

Must be a string.

You can configure a maximum of 10 elements with this keyword.

**count** *consecutive\_failure\_count*

Specify the consecutive failure limit count to detect remote host as down.

Must be an integer.

Default Value: 0.

**Usage Guidelines** Use this command to configure consecutive failure configuration parameters.

## client outbound limit pending

Configures pending limit configuration.

**Command Modes** Exec > Global Configuration (config) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description** `limit pending response` *response\_message\_limit*

**response** *response\_message\_limit*

Specify the pending response message limit to detect remote host as down.

Must be an integer.

Default Value: 1024.

**Usage Guidelines** Use this command to configure pending limit configuration.

## commit

Configures the commit parameters.

**Command Modes** Exec

**Syntax Description** `commit [ abort { persist-id` *persist\_id*  `} | confirm { persist-id` *persist\_id*  `} | persist-id` *persist\_id*  `]`

**abort** *persist-id* *persist\_id*

Specify to abort commit. Specify the persistence ID for the commit operation.

Must be an integer.

**confirm persist-id** *persist\_id*

Specify to confirm commit. Specify the persistence ID for the commit operation.

Must be an integer.

**persist-id** *persist\_id*

Specify the persistence ID for the commit operation.

Must be an integer.

**Usage Guidelines**

Use this command to configure the commit parameters.

## compare

Compares the running configuration to another configuration or a file.

**Command Modes**

Exec

**Syntax Description**

```
compare file { filename another_configuration }
```

***filename*** [.kube | .ssh] |

Specify the file name ending with .kube/.ssh or the directory path of the file to be compared.

Must be a string.

***another\_configuration***

Specify the configuration to be compared against.

Must be a string.

**Usage Guidelines**

Use this command to configure the file that must be compared.

## config

Manipulates the software configuration information.

**Command Modes**

Exec

**Syntax Description**

```
config [ exclusive | no-confirm | shared | terminal ]
```

**exclusive**

Specify to enter the exclusive configuration mode.

**no-confirm**

Specify to apply the command without asking for confirmation.

**shared**

Specify to enter the shared configuration mode.

**terminal**

Specify to enter the terminal configuration mode.

---

**Usage Guidelines** Use this command to manipulate the software configuration information.

## config-error info

Displays configuration error information.

---

**Command Modes** Exec

---

**Syntax Description** **show config-error [ info ]**

---

**Usage Guidelines** Use this command to view configuration error information.

## coverage

Configures code coverage utilities.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** **coverage container-stop** *container\_stop*

**container-stop** *container\_stop*

Specify the container stop.

Must be a string.

Default Value: false.

---

**Usage Guidelines** Use this command to configure code coverage utilities.

## datastore dbs

Configures DBS parameters.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** **datastore dbs** *dbs\_name*

**dbs** *dbs\_name*

Specify name of the DBS.

Must be a string.

**Usage Guidelines** Use this command to configure the DBS parameters. The CLI prompt changes to the DBS Configuration mode (config-dbs-<dbs\_name>).

## datastore dbs endpoints

Configures endpoint parameters.

**Command Modes** Exec > Global Configuration (config) > DBS Configuration (config-dbs-*dbs\_name*)

**Syntax Description** `endpoints endpoint_name [ port port_number ]`

**endpoints endpoint\_name**

Specify the endpoint host name.

Must be a string.

**port port\_number**

Specify the port number.

Must be an integer.

**Usage Guidelines** Use this command to configure endpoint parameters.

## datastore notification-ep

Configures notification endpoint parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `datastore notification-ep { [ host host_name ] [ port port_number ] }`

**host host\_name**

Specify the host name.

Must be a string.

**port port\_number**

Specify the port number.

Must be an integer.

**Usage Guidelines** Use this command to configure notification endpoint parameters.

## datastore session-db

Configures Session DB parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **datastore session-db endpoints** *endpoint\_name* [ [ **port** *port\_number* ] [ **slice-name** *slice\_name* ] ]

**slice-name** *slice\_name*

Specify name of the slice.

Must be a string.

**Usage Guidelines** Use this command to configure Session DB parameters.

## datastore session-db endpoints

Configures endpoint parameters.

**Command Modes** Exec > Global Configuration (config) > DBS Configuration (config-dbs-*dbs\_name*)

**Syntax Description** **endpoints** *endpoint\_name* [ **port** *port\_number* ]

**endpoints** *endpoint\_name*

Specify the endpoint host name.

Must be a string.

**port** *port\_number*

Specify the port number.

Must be an integer.

**Usage Guidelines** Use this command to configure endpoint parameters.

## debug-settings amf-ngap-ep

Configures debug settings for AMF NGAP endpoint.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **debug-settings amf-ngap-ep go-debug**

**go-debug**

Specify to debug.

Must be a string.

**Usage Guidelines** Use this command to configure debug settings for the AMF NGAP endpoint.

## debug-settings amf-rest-ep

Configures debug settings for AMF REST endpoint.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `debug-settings amf-rest-ep go-debug`

**go-debug**

Specify to debug.

Must be a string.

**Usage Guidelines** Use this command to configure debug settings for the AMF REST endpoint.

## debug-settings amf-sctp-lb

Configures debug settings for amf-sctp-lb.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `debug-settings amf-sctp-lb go-debug`

**go-debug**

Specify to debug.

Must be a string.

**Usage Guidelines** Use this command to configure debug settings for amf-sctp-lb.

## debug-settings amf-service

Configures debug settings for AMF service.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `debug-settings amf-service go-debug`



**go-debug**

Specify to debug.

Must be a string.

---

**Usage Guidelines** Use this command to configure debug settings for the AMF service.

## deployment

Configures the product deployment parameters.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** **deployment** { **app-name** *application\_name* | **cluster-name** *cluster\_name* | **dc-name** *datacenter\_name* | **logical-nf-instance-id** *logical\_nf\_instance\_id* | **model** *deployment\_model* }

**app-name** *application\_name*

Specify name of the application.

Must be a string.

**cluster-name** *cluster\_name*

Specify name of the cluster.

Must be a string.

**dc-name** *datacenter\_name*

Specify name of the datacenter.

Must be a string.

**logical-nf-instance-id** *logical\_nf\_instance\_id*

Specify the logical NF instance ID.

Must be an integer.

Default Value: 0.

**model** *deployment\_model*

Specify the deployment model. Default: Large.

Must be one of the following:

- **small**

---

**Usage Guidelines** Use this command to configure product deployment parameters.

## deployment resource

Configures the deployment CPU resource parameter.

**Command Modes** Exec > Global Configuration (config) > Deployment Configuration (config-deployment)

**Syntax Description** **resource** **cpu** *cpu\_size*

**cpu** *cpu\_size*

Specify the CPU size in millicores.

Must be an integer in the range of 2000-1000000.

Default Value: 18000.

**Usage Guidelines** Use this command to configure the deployment CPU resource parameter.

## describe

Displays the command information.

**Command Modes** Exec

**Syntax Description** **describe** *command*

**command**

Specify the command name to display the detailed information about the command.

Must be a string.

The command must be one of the following:

- **aaa**
- **cd**
- **cdl**
- **clear**
- **commit**
- **compare**
- **config**
- **describe**
- **dump**
- **exit**
- **geo**

- **help**
- **history**
- **id**
- **idle-timeout**
- **ignore-leading-space**
- **job**
- **leaf-prompting**
- **license**
- **logout**
- **monitor**
- **no**
- **paginate**
- **quit**
- **reconcile**
- **screen-length**
- **screen-width**
- **search**
- **send**
- **show**
- **show-defaults**
- **smiuser**
- **system**
- **terminal**
- **timestamp**
- **transaction**
- **who**

**Usage Guidelines** Use this command to display the command-specific information.

## diagnostics

Displays diagnostics information.

<b>Command Modes</b>	Exec
<b>Syntax Description</b>	<b>show diagnostics</b>
<b>Usage Guidelines</b>	Use this command to view diagnostics information.

## diagnostics info

Displays diagnostics information.

<b>Command Modes</b>	Exec
<b>Syntax Description</b>	<b>show diagnostics [ info ]</b>
<b>Usage Guidelines</b>	Use this command to view diagnostics information.

## dump

Removes the transaction history.

<b>Command Modes</b>	Exec
<b>Syntax Description</b>	<b>dump transactionhistory</b>  <b>transactionhistory</b> Dump the transaction history.
<b>Usage Guidelines</b>	Use this command to remove the transaction history.

## edr

Configures EDR reporting parameters.

<b>Command Modes</b>	Exec > Global Configuration (config)
<b>Syntax Description</b>	<b>edr { [ reporting <i>reporting_status</i> ] [ subscribers <i>subscribers_edr_reporting</i> ] }</b>  <b>reporting <i>reporting_status</i></b> Specify to enable or disable EDR reporting. Must be one of the following: <ul style="list-style-type: none"> <li>• <b>disable</b></li> <li>• <b>enable</b></li> </ul> Default Value: disable.

**Usage Guidelines** Use this command to configure EDR parameters.

## edr edrsubscribers

Configures subscriber EDR reporting.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **edr subscribers** *subscribers\_for\_edr\_reporting*

**Syntax Description** **edr reporting { enable | disable } subscribers** *subscribers\_for\_edr\_reporting*

**subscribers** *subscribers\_for\_edr\_reporting*

Specify the subscribers to enable EDR reporting. For example, imsi-123456789012345.

Must be a string.

You can configure a maximum of 10 elements with this keyword.

**Usage Guidelines** Use this command to configure subscriber EDR reporting.

## edr file files

Configures EDR file parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **edr file { transaction | transaction-collision } [ reporting** *reporting\_status*  
] [ **verbose** *verbosity\_status* ]

**file { transaction | transaction-collision }**

Specify name of the EDR file.

**reporting** *reporting\_status*

Specify to enable or disable reporting of this file.

Must be one of the following:

- **disable**
- **enable**

Default Value: disable.

**verbose** *verbosity\_status*

Specify to enable or disable field description or long names in the file.

Must be one of the following:

- **disable**
- **enable**

Default Value: disable.

**Usage Guidelines** Use this command to configure EDR file parameters.

## edr file files disable

Disables procedure IDs.

**Command Modes** Exec > Global Configuration (config) > EDR File Configuration (config-file-*edr\_file*)

**Syntax Description** **disable procedure-id** *procedure\_ids*

**procedure-id** *procedure\_ids*

Specify the procedure ID value(s)/name(s).

Must be a string.

**Usage Guidelines** Use this command to disable specific procedure IDs.

## edr file files flush

Configures EDR file flush parameters.

**Command Modes** Exec > Global Configuration (config) > EDR File Configuration (config-file-*edr\_file*)

**Syntax Description** **flush interval** *file\_flush\_interval*

**interval** *file\_flush\_interval*

Specify, in milliseconds, the file flush interval.

Must be an integer.

Default Value: 1000.

**Usage Guidelines** Use this command to configure the EDR file flush parameters.

## edr file files limit

Configures EDR file limit parameters.

**Command Modes** Exec > Global Configuration (config) > EDR File Configuration (config-file-*edr\_file*)

**Syntax Description** **limit** { [ **count** *max\_files\_to\_preserve* ] [ **size** *max\_single\_file\_size* ] }

**count *max\_files\_to\_preserve***

Specify the maximum number of files to be preserved.

Must be an integer.

Default Value: 10.

**size *max\_single\_file\_size***

Specify the maximum single file size limit in MB.

Must be an integer.

Default Value: 100.

**Usage Guidelines** Use this command to configure the EDR file limit parameters.

## edr file files procedure-id disable-event-id

Disables transaction-level procedure ID configuration.

**Command Modes** Exec > Global Configuration (config) > EDR File Configuration (config-file-*edr\_file*)

**Syntax Description** **procedure-id** *procedure\_id*

**procedure *procedure\_id***

Specify the procedure ID value/name.

Must be a string.

**Usage Guidelines** Use this command to disable transaction-level procedure ID configuration.

## edr file files procedure-id disable-event-id disable-inner disable

Disables event IDs.

**Command Modes** Exec > Global Configuration (config) > EDR File Configuration (config-file-*edr\_file*) > Procedure ID Configuration (config-procedure-id-*procedure\_id*)

**Syntax Description** **disable event-id** *event\_ids*

**event-id *event\_ids***

Specify the event ID value(s)/name(s).

Must be a string.

**Usage Guidelines** Use this command to disable event IDs.

## edr file files procedure-id disable-event-id disable-inner event-id disable-field-id

Disables procedure-level event ID configuration.

**Command Modes** Exec > Global Configuration (config) > EDR File Configuration (config-file-*edr\_file*) > Procedure ID Configuration (config-procedure-id-*procedure\_id*)

**Syntax Description** **event-id** *event\_id*

**event** *event\_id*

Specify the event ID value/name.

Must be a string.

**Usage Guidelines** Use this command to disable procedure-level event ID configuration.

## edr file files procedure-id disable-event-id disable-inner event-id disable-field-id disable

Disables field IDs.

**Command Modes** Exec > Global Configuration (config) > EDR File Configuration (config-file-*edr\_file*) > Procedure ID Configuration (config-procedure-id-*procedure\_id*)

**Syntax Description** **disable field-id** *field\_ids*

**field-id** *field\_ids*

Specify the field ID value(s)/name(s).

Must be a string.

**Usage Guidelines** Use this command to disable field IDs.

## endpoint all

Displays endpoint status.

**Command Modes** Exec

**Syntax Description** **show endpoint** [ **all** ]

**Usage Guidelines** Use this command to view the status of endpoints.



## endpoint info

Displays endpoint information.

---

**Command Modes** Exec

---

**Syntax Description** `show endpoint info`

---

**Usage Guidelines** Use this command to view endpoint information.

## exit

Exits the current configuration mode and returns to the parent configuration mode.

---

**Command Modes** Exec

---

**Syntax Description** `exit`

---

**Usage Guidelines** Use this command to exit the current configuration mode and return to the parent configuration mode. When used in the Exec mode, exits the management session.

## geo maintenance

Configures Geo Admin Controller to enable or disable maintenance mode.

---

**Command Modes** Exec

---

**Syntax Description** `geo maintenance mode { false | true }`

`mode { false | true }`

Specify whether to enable or disable maintenance mode. To enable, set to true.

Must be one of the following:

- `false`
- `true`

Default Value: false.

---

**Usage Guidelines** Use this command to configure Geo Admin Controller to enable or disable maintenance mode.

## geo reset-role

Configures Geo Admin Controller for reset role.

---

**Command Modes** Exec

---

**Syntax Description** `geo reset-role { [ instance-id instance_id ] [ role new_role ] }`

**instance-id** *instance\_id*

Specify the instance ID for geo command.

**role** *new\_role*

Specify the new role for the specified site.

---

**Usage Guidelines** Use this command to configure Geo Admin Controller for reset role.

## geo switch-role

Configures Geo Admin Controller for trigger failover.

---

**Command Modes** Exec

---

**Syntax Description** `geo switch-role { [ failback-interval failback_interval ] [ instance-id instance_id ] [ role new_role ] }`

**failback-interval** *failback\_interval*

Specify, in seconds, the interval between notify failover and actual failover.

Must be a string.

**instance-id** *instance\_id*

Specify the instance ID for geo command.

**role** *new\_role*

Specify the new role for the specified site.

---

**Usage Guidelines** Performs instance role manipulation. Use this command to configure Geo Admin Controller for trigger failover.

## geomonitor podmonitor pods

Configures configuration of pods to be monitored.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** `geomonitor podmonitor pods pod_name [ [ failedReplicaPercent failed_replica_precentage ] [ retryCount retry_count ] [ retryFailOverInterval retry_interval ] [ retryInterval retry_interval ] ]`

**failedReplicaPercent *failed\_replica\_precentage***

Specify the percentage of failed replica after which GR failover will get triggered.

Must be an integer in the range of 10-100.

**Pods *pod\_name***

Specify the name of the pod to be monitored.

Must be a string.

**retryCount *retry\_count***

Specify the counter value to retry if pod failed to ping after which pod is marked as down.

Must be an integer in the range of 1-10.

**retryFailOverInterval *retry\_interval***

Specify, in milliseconds, the retry interval if pod ping fails.

Must be an integer in the range of 200-10000.

**retryInterval *retry\_interval***

Specify, in milliseconds, the retry interval if pod ping is successful.

Must be an integer in the range of 200-10000.

**Usage Guidelines**

Use this command to configure configuration of pods to be monitored.

## geomonitor remotecclustermonitor

Configures remote cluster monitoring parameters.

**Command Modes**

Exec > Global Configuration (config)

**Syntax Description**

```
geomonitor remotecclustermonitor retryCount retry_count retryInterval  
retry_interval
```

**retryCount *retry\_count***

Specify the retry count if remote cluster is not reachable. To disable, set to 0.

Must be an integer in the range of 0-10.

Default Value: 3.

**retryInterval *retry\_interval***

Specify, in milliseconds, the retry interval after which status of the remote site will be fetched.

Must be an integer in the range of 200-50000.

Default Value: 3000.

**Usage Guidelines** Use this command to configure remote cluster monitoring parameters.

## geomonitor trafficMonitor

Configures traffic monitoring configuration.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `geomonitor trafficMonitor thresholdCount threshold_count thresholdInterval threshold_interval`

### **thresholdCount** *threshold\_count*

Specify the number of calls received for standby instance. To disable, set to 0.

Must be an integer in the range of 0-10000.

Default Value: 0.

### **thresholdInterval** *threshold\_interval*

Specify, in milliseconds, the maximum duration window to hit the threshold count value.

Must be an integer in the range of 100-10000.

Default Value: 3000.

**Usage Guidelines** Use this command to configure traffic monitoring configuration.

## geomonitor vipmonitor instance

Configures VIP monitoring parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `geomonitor vipmonitor instance instance_id`

### **instance** *instance\_id*

Specify the instance ID.

Must be an integer in the range of 1-8.

**Usage Guidelines** Use this command to configure VIP monitoring configuration. The CLI prompt changes to the Instance Configuration mode (config-instance-<instance\_id>).

## geomonitor vipmonitor instance vips

Configures VIP interface monitoring parameters.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-*instance\_id*)

**Syntax Description** **vips** *vip\_interface\_name* [ **retryCount** *retry\_count* | **retryFailOverInterval** *retry\_interval* | **retryInterval** *retry\_interval* | **vipIp** *vip\_ip* | **vipPort** *vip\_port\_number* ]

**retryCount** *retry\_count*

Specify the counter value to retry if VIP failed to ping after which VIP is marked as down.  
Must be an integer in the range of 1-10.

**retryFailOverInterval** *retry\_interval*

Specify, in milliseconds, the retry interval if VIP failed to ping.  
Must be an integer in the range of 200-10000.

**retryInterval** *retry\_interval*

Specify, in milliseconds, the retry interval if VIP pinged successfully.  
Must be an integer in the range of 200-10000.

**vipIp** *vip\_ip*

Specify the IPv4 address.  
Must be a string.

**vipPort** *vip\_port\_number*

Specify the diagnostic port number.  
Must be an integer.

**vip\_interface\_name**

Specify name of the interface to monitor.  
Must be a string.

**Usage Guidelines** Use this command to configure VIP interface monitoring parameters.

## group nf-mgmt

Configures NF management group name.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **nf-mgmt** *mgmt\_group\_name* { **nrf-mgmt-group** *nrf\_mgmt\_group\_name* | **failure-handling-profile** *fh\_profile\_name* | **nrf-auth-group** *nrf\_auth\_group\_name* | **locality** *locality\_name* | **re-register** { **false** | **true** } }

**failure-handling-profile *fh\_profile\_name***

Specify name of the Failure Handling profile for the NRF Management functionality.

Must be a string.

**locality *locality\_name***

Specify the locality information.

Must be a string.

**nf-mgmt *mgmt\_group\_name***

Specify name of the NRF management group.

Must be a string.

**nrf-mgmt-group *nrf\_mgmt\_group\_name***

Specify name of the NRF management group.

Must be a string.

---

**Usage Guidelines** Use this command to configure NF management group name.

## group nf-mgmt heartbeat

Configures the heartbeat interval parameter.

---

**Command Modes** Exec > Global Configuration (config) > NF Management Group Configuration  
(*config-nf-mgmt-mgmt\_group\_name*)

---

**Syntax Description** **heartbeat interval** *heartbeat\_interval*

**interval *heartbeat\_interval***

Specify the heartbeat interval in seconds.

Must be an integer.

---

**Usage Guidelines** Use this command to configure the heartbeat interval parameter.

## group nrf discovery

Configures NRF discovery group parameters.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** **group nrf discovery** *group\_name* [ **nrf-type** *nrf\_type* ]

**discovery group\_name**

Specify name of the NRF discovery group.

Must be a string.

**nrf-type nrf\_type**

Specify the NRF type.

Must be one of the following:

- **PLMN**: PLMN.
- **SHARED**: SHARED.
- **SLICE-LOCAL**: SLICE-LOCAL.

**Usage Guidelines**

Use this command to configure the NRF discovery group configuration.

## group nrf discovery service type nrf

Configures the NRF discovery service name.

**Command Modes**

Exec > Global Configuration (config)

**Syntax Description**

**nrf** *nrf\_service\_name* [ **responsetimeout** *response\_timeout* ]

**nrf nrf\_service\_name**

Specify name of the NRF discovery service.

Must be one of the following:

- **nnrf-disc**

**responsetimeout response\_timeout**

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**Usage Guidelines**

Use this command to configure the NRF discovery service name.

## group nrf discovery service type nrf endpoint-profile

Configures endpoint profile parameters2.

**Command Modes**

Exec > Global Configuration

**Syntax Description** `endpoint-profile endpoint_profile_name { api-uri-prefix api_uri_prefix | api-root api_root | uri-scheme uri_scheme }`

**api-root *api\_root***

Specify the API root.

Must be a string.

**api-uri-prefix *api\_uri\_prefix***

Specify the API URI prefix.

Must be a string.

**endpoint-profile *endpoint\_profile\_name***

Specify name of the endpoint profile.

Must be a string.

**uri-scheme *uri\_scheme***

Specify the URI scheme.

Must be one of the following:

- **http**
- **https**

**Usage Guidelines** Use this command to configure endpoint profile parameters.

## group nrf discovery service type nrf endpoint-profile endpoint-name

Configures endpoint parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `endpoint-name endpoint_name [ priority priority | capacity endpoint_capacity ]`

**capacity *endpoint\_capacity***

Specify the endpoint capacity.

Must be an integer in the range of 0-65535.

Default Value: 10.

**priority *priority***

Specify the node priority for endpoint.



Must be an integer in the range of 0-65535.

***endpoint\_name***

Specify name of the endpoint.

Must be a string.

**Usage Guidelines**

Use this command to configure endpoint parameters.

## group nrf discovery service type nrf endpoint-profile endpoint-name primary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## group nrf discovery service type nrf endpoint-profile endpoint-name secondary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name)

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port** *port\_number*

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## group nrf discovery service type nrf endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## group nrf discovery service type nrf endpoint-profile version uri-version

Configures URI version information.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
uri-version uri_version [ full-version full_version ]
```

**full-version full\_version**

Specify the full version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*

Must be a string.

**uri-version *uri\_version***

Specify the URI version.

Must be a string in the pattern v\d.

**Usage Guidelines** Use this command to configure URI version information.

## group nrf mgmt

Configures the NRF self-management group parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `mgmt group_name [ nrf-type nrf_type ]`

**mgmt *group\_name***

Specify name of the NRF self-management group.

Must be a string.

**nrf-type *nrf\_type***

Specify the NRF type.

Must be one of the following:

- **PLMN**: PLMN.
- **SHARED**: SHARED.
- **SLICE-LOCAL**: SLICE-LOCAL.

**Usage Guidelines** Use this command to configure the NRF self-management group parameters.

## group nrf mgmt service type nrf

Configures the NRF self-management service information.

**Command Modes** Exec > Global Configuration

**Syntax Description** `nrf nrf-service-name nrf_service_name [ responsetimeout response_timeout ]`

**nrf-service-name *nrf\_service\_name***

Specify name of the NRF service.

Must be one of the following:

- **nnrf-nfm**

**responsetimeout *response\_timeout***

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**Usage Guidelines**

Use this command to configure the NRF self-management service information.

## group nrf mgmt service type nrf endpoint-profile

Configures endpoint profile parameters<sup>1</sup>.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
endpoint-profile endpoint_profile_name { api-uri-prefix api_uri_prefix | api-root api_root | uri-scheme uri_scheme }
```

**api-root *api\_root***

Specify the API root.

Must be a string.

**api-uri-prefix *api\_uri\_prefix***

Specify the API URI prefix.

Must be a string.

**endpoint-profile *endpoint\_profile\_name***

Specify name of the endpoint profile.

Must be a string.

**uri-scheme *uri\_scheme***

Specify the URI scheme.

Must be one of the following:

- **http**
- **https**

**Usage Guidelines**

Use this command to configure endpoint profile parameters.

## group nrf mgmt service type nrf endpoint-profile endpoint-name

Configures endpoint parameters.

<b>Command Modes</b>	Exec > Global Configuration
<b>Syntax Description</b>	<p><b>endpoint-name</b> <i>endpoint_name</i> [ <b>max-retry-count</b> <i>max_retry_count</i> ] [ <b>priority</b> <i>endpoint_priority</i> ]</p> <p><b>max-retry-count</b> <i>max_retry_count</i></p> <p>Specify the maximum retry count.</p> <p>Must be an integer in the range of 0-10.</p> <p>Default Value: 3.</p> <p><b>priority</b> <i>endpoint_priority</i></p> <p>Specify the node priority for endpoint.</p> <p>Must be an integer in the range of 0-65535.</p> <p><b>endpoint_name</b></p> <p>Specify name of the endpoint.</p> <p>Must be a string.</p>
<b>Usage Guidelines</b>	Use this command to configure endpoint parameters.

## group nrf mgmt service type nrf endpoint-profile endpoint-name primary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name



Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

# group nrf mgmt service type nrf endpoint-profile endpoint-name secondary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> )

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6
ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

---

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## group nrf mgmt service type nrf endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

---

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name

**group nrf mgmt service type nrf endpoint-profile endpoint-name tertiary ip-address**

Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Syntax Description

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

#### **ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

#### **ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

#### **port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

#### Usage Guidelines

Use this command to configure the endpoint IP address and port number parameters.

# group nrf mgmt service type nrf endpoint-profile version uri-version

Configures version information.

---

**Command Modes** Exec > Global Configuration

---

**Syntax Description** **uri-version** *uri\_version* [ **full-version** *full\_version* ]

**full-version** *full\_version*

Specify the full version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*

Must be a string.

**uri-version** *uri\_version*

Specify the URI version.

Must be a string in the pattern `v\d`.

---

**Usage Guidelines** Use this command to configure the version information.

## help

Displays help information for specified command.

---

**Command Modes** Exec

---

**Syntax Description** **help** *command*

**command**

Specify the command name to display the corresponding help information.

Must be a string.

The command must be one of the following:

- **aaa**
- **cd**
- **cdl**
- **clear**
- **commit**
- **compare**
- **config**

- describe
- dump
- exit
- geo
- help
- history
- id
- idle-timeout
- ignore-leading-space
- job
- leaf-prompting
- license
- logout
- monitor
- no
- paginate
- quit
- reconcile
- screen-length
- screen-width
- search
- send
- show
- show-defaults
- smiuser
- system
- terminal
- timestamp
- transaction
- who

---

**Usage Guidelines** Use this command to view help information for a specified command.

# history

Configures the command history cache size.

---

**Command Modes** Exec

---

**Syntax Description** **history** *history\_size*

***history\_size***

Specify the command history cache size.

Must be an integer in the range of 0-1000.

---

**Usage Guidelines** Use this command to configure the command history cache size.

# id

Displays the user ID information.

---

**Command Modes** Exec

---

**Syntax Description** **id**

---

**Usage Guidelines** Use this command to view the user ID information.

# idle-timeout

Configures the maximum duration for which a command can remain idle in seconds after which the system automatically terminates the connection.

---

**Command Modes** Exec

---

**Syntax Description** **idle-timeout** *timeout\_in\_seconds*

***timeout\_in\_seconds***

Specify the idle timeout duration in seconds.

---

**Usage Guidelines** Use this command to configure the maximum duration for which a command can remain idle.

# ignore-leading-space

Configures whether to ignore or consider the leading whitespace at the beginning of a command.

---

**Command Modes** Exec

**Syntax Description** `ignore-leading-space { false | true }`

`{ false | true }`

Specify false to ignore leading whitespace, and true to consider it.

Must be either "false" or "true".

**Usage Guidelines** Use this command to configure whether to ignore or consider leading whitespace at the beginning of a command.

## infra metrics experimental

Configures the experimental metrics version to be enabled.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `infra metrics experimental version experimental_metrics_version`

`version experimental_metrics_version`

Specify the experimental metrics version to be enabled.

Must be an integer in the range of 0-4.

Default Value: 0.

**Usage Guidelines** Use this command to configure the experimental metrics version to be enabled.

## infra metrics verbose verboseLevels

Configures verbose configuration parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `infra metrics verbose pod_type level verbose_level`

`level verbose_level`

Specify the verbosity level.

Must be one of the following:

- debug
- production
- trace

Default Value: trace.



**pod\_type**

Specify the pod type.

Must be one of the following:

- **load-balancer**
- **protocol**
- **service**

---

**Usage Guidelines** Use this command to configure verbose configuration parameters.

## infra transaction limit

Configures the maximum stage limit per transaction.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** `infra transaction limit stage max_stage_limit`

**stage max\_stage\_limit**

Specify the maximum stage limit per transaction.

Must be an integer.

Default Value: 100.

---

**Usage Guidelines** Use this command to configure the maximum stage limit per transaction.

## infra transaction limit consecutive same

Configures the maximum consecutive stage limit per transaction.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** `infra transaction limit consecutive same stage max_consecutive_stage_limit`

**stage max\_consecutive\_stage\_limit**

Specify the maximum consecutive stage limit per transaction.

Must be an integer.

Default Value: 10.

---

**Usage Guidelines** Use this command to configure the maximum consecutive stage limit per transaction.

## infra transaction loop

Configures the transaction loop detection parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `infra transaction loop detection detection_status`

**detection *detection\_status***

Specify to enable or disable loop detection.

Must be one of the following:

- **disable**
- **enable**

Default Value: disable.

**Usage Guidelines** Use this command to configure the transaction loop detection parameter.

## infra transaction loop category

Configures the loop category.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `infra transaction loop category loop_category`

**category *loop\_category***

Specify the category.

**Usage Guidelines** Use this command to configure the loop category. The CLI prompt changes to the Loop Category Configuration mode(`config-category-<category>`).

## infra transaction loop category threshold

Configures the loop detection interval parameter.

**Command Modes** Exec > Global Configuration (config) > Loop Category Configuration (`config-category-category`)

**Syntax Description** `threshold interval loop_detect_interval`

**interval *loop\_detect\_interval***

Specify, in seconds, the loop detection interval.

Must be an integer.

Default Value: 5.

### Usage Guidelines

Use this command to configure the loop detection interval parameter.

## infra transaction loop category threshold thresholds

Configures thresholds.

### Command Modes

Exec > Global Configuration (config) > Loop Category Configuration (config-category-*category*)

### Syntax Description

**threshold** *threshold\_level* [ [ **action** *threshold\_action* ] [ **count** *max\_transactions* ] ]

#### **action** *threshold\_action*

Specify the action to take on threshold breach.

Must be one of the following:

- **kill-session**
- **log-event**
- **noop**

Default Value: noop.

#### **count** *max\_transactions*

Specify the maximum number of transactions for the threshold interval.

Must be an integer.

Default Value: 100.

#### **thresholds** *threshold\_level*

Specify the threshold level.

Must be one of the following:

- **high**
- **low**

### Usage Guidelines

Use this command to configure thresholds.

## instance instance-id

Configures instance ID of GR instance.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `instance instance-id instance_id`

**id** *instance\_id*

Specify the instance ID.

**Usage Guidelines** GR instance-specific parameters. Use this command to configure the instance ID of GR instance. The CLI prompt changes to the Instance ID Configuration mode (config-instance-id-<instance\_id>).

## instance instance-id endpoint ep

Configures endpoint parameters.

**Command Modes** Exec > Global Configuration (config) > Instance ID Configuration (config-instance-id-*instance\_id*)

**Syntax Description** `endpoint endpoint_type [ [ instancetype ep_local_interface_type ] [ loopbackEth loopbackEth ] [ loopbackPort loopbackPort ] [ nodes node_replicas_for_resiliency ] [ replicas replicas_per_node ] [ uri-scheme uri_scheme ] ]`

**certificate-name** *certificate\_alias\_name*

Specify the alias name for the certificate.

**endpoint** *endpoint\_type*

Specify the endpoint type.

**instancetype** *ep\_local\_interface\_type*

Specify the endpoint local interface type.

Must be one of the following:

- Dual
- IPv4
- IPv6

Default Value: IPv4.

**internal-vip** *internal\_vip*

Specify the internal VIP.

Must be a string.

**loopbackEth** *loopbackEth*

Specify the endpoint local interface name or host IP.

Must be a string.

**loopbackPort** *loopbackPort*

Specify the endpoint local port.

Must be an integer.

**max-fragment-size** *max\_fragment\_size*

Specify the Maximum SCTP fragment size for data packet.

Must be an integer.

Default Value: 0.

**nodes** *node\_replicas\_for\_resiliency*

Specify the number of node replicas for resiliency.

Must be an integer.

Default Value: 1.

**replicas** *replicas\_per\_node*

Specify the number of replicas per node.

Must be an integer.

Default Value: 1.

**uri-scheme** *uri\_scheme*

Specify the URI scheme.

Must be one of the following:

- **http**
- **https**

Default Value: http.

---

**Usage Guidelines** Use this command to configure endpoint parameters.

## instance instance-id endpoint ep interface

Configures the interface type.

---

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_name*)

---

**Syntax Description** **interface** *interface\_type*

**certificate-name** *certificate\_alias\_name*

Specify the alias name for certificate.

**instancetype *ep\_local\_interface\_type***

Specify the endpoint local interface type.

Must be one of the following:

- **Dual**
- **IPv4**
- **IPv6**

Default Value: IPv4.

**loopbackEth *loopback\_eth***

Specify the Loopback Eth pod interface.

Must be a string.

**loopbackPort *loopback\_port\_number***

Specify the loopback port number.

Must be an integer.

**uri-scheme *uri\_scheme***

Specify the URI scheme.

Must be one of the following:

- **http**
- **https**

Default Value: http.

***interface\_type***

Specify the interface type.

**Usage Guidelines**

Use this command to configure the interface type.

## instance instance-id endpoint ep interface dispatcher

Displays the dispatcher queue support details for the interface.

**Command Modes**

Exec > Global Configuration (config) > Instance ID Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_type*) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description**

```
dispatcher { cache { false | true } | capacity queue_capacity | count
dispatcher_queues_count | expiry cache_entry_expiry_duration | nonresponsive
cache_entry_expiry_duration | outbound { false | true } | rate-limit
queue_rate_limit | threshold outstanding_requests_per_queue_cache }
```

**cache { false | true }**

Specify to enable or disable retransmission cache support. To disable, set to true.

Must be one of the following:

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

Default Value: false.

**capacity *queue\_capacity***

Specify the capacity of each queue.

Must be an integer.

Default Value: 5000.

**count *dispatcher\_queues\_count***

Specify the count of dispatcher queues.

Must be an integer.

Default Value: 0.

**expiry *cache\_entry\_expiry\_duration***

Specify, in milliseconds, the responded cache entry expiry duration.

Must be an integer.

Default Value: 60000.

**nonresponsive *cache\_entry\_expiry\_duration***

Specify, in milliseconds, the non-responsive cache entry expiry duration.

Must be an integer.

Default Value: 30000.

**outbound { false | true }**

Specify to enable or disable queue support for outbound messages. To disable, set to true.

Must be one of the following:

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

Default Value: true.

**rate-limit *queue\_rate\_limit***

Specify the rate limit for each queue.

Must be an integer.

**instance instance-id endpoint ep interface internal base-port**

Default Value: 0.

**threshold *outstanding\_requests\_per\_queue\_cache***

Specify the outstanding requests per queue cache.

Must be an integer.

Default Value: 30000.

**Usage Guidelines** Use this command to view dispatcher queue support details for the interface.

## instance instance-id endpoint ep interface internal base-port

Configures the internal base-port to start endpoint parameter.

**Command Modes** Exec > Global Configuration (config) > Instance ID Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_type*) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description** **internal base-port start** *base\_port\_to\_start\_ep*

**start *base\_port\_to\_start\_ep***

Specify the base port to start endpoint.

Must be an integer in the range of 1024-65535.

**Usage Guidelines** Use this command to configure the internal base-port to start endpoint parameter.

## instance instance-id endpoint ep interface sla

Configures SLA parameters.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_name*) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description** **sla** { [ **response** *response\_time* ] [ **procedure** *procedure\_time* ] }

**procedure *procedure\_time***

Specify, in milliseconds, the procedure time.

Must be an integer in the range of 1000-120000.

**response *response\_time***

Specify, in milliseconds, the response time.

Must be an integer in the range of 1000-180000.

**Usage Guidelines** Use this command to configure SLA parameters.



## instance instance-id endpoint ep interface vip

Configures Virtual IP parameters.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_name*) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description** **vip-ip** *vip\_ip\_address* [ [ **offline** ] [ **vip-interface** *interface\_name* ] [ **vip-port** *vip\_port\_number* ] ]

### **offline**

Specify to mark the vip-ip as offline.

### **vip-interface** *interface\_name*

Specify the interface name to advertise BGP router.

Must be a string.

### **vip-ip** *vip\_ip\_address*

Specify the host IP address.

Must be a string.

### **vip-port** *vip\_port\_number*

Specify the port number.

Must be an integer.

**Usage Guidelines** Use this command to configure Virtual IP parameters.

## instance instance-id endpoint ep interface vip6

Configures VIP IPv6 parameters.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_name*) > Interface Configuration (config-interface-*interface\_name*)

**Syntax Description** **vip-ip6** *vip\_ip6* [ [ **offline** ] [ **vip-ipv6-port** *port\_number* ] ]

### **offline**

Specify the VIP IP as offline.

### **vip-ip6** *vip\_ip6*

Specify the host detail.

Must be a string.

**instance instance-id endpoint ep internal base-port**

**vip-ipv6-port *port\_number***

Specify the port number.

Must be an integer.

**Usage Guidelines** Use this command to configure VIP IPv6 parameters.

## instance instance-id endpoint ep internal base-port

Configures the internal base-port to start endpoint parameter.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_type*)

**Syntax Description** **internal base-port start** *base\_port\_to\_start\_ep*

**start** *base\_port\_to\_start\_ep*

Specify the base port to start endpoint.

Must be an integer in the range of 1024-65535.

**Usage Guidelines** Use this command to configure the internal base-port to start endpoint parameter.

## instance instance-id endpoint ep internal-port

Configures internal port parameters.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_type*)

**Syntax Description** **internal-port metrics** *metrics\_port* **admin** *admin\_port* **ipc** *ipc\_port* **pprof** *pprof\_port*  
**keepalived** *keepalived\_port*

**admin** *admin\_port*

Specify the admin port number for SCTP.

Must be an integer.

Default Value: 7879.

**ipc** *ipc\_port*

Specify the IPC port number for SCTP.

Must be an integer.

Default Value: 9005.

**keepalived *keepalived\_port***

Specify the keepalived port number for SCTP.

Must be an integer.

Default Value: 29000.

**metrics *metrics\_port***

Specify the metrics port number for SCTP.

Must be an integer.

Default Value: 7083.

**pprof *pprof\_port***

Specify the PPROF port number for SCTP.

Must be an integer.

Default Value: 7850.

---

**Usage Guidelines**

Use this command to configure internal port parameters.

## instance instance-id endpoint ep retransmission

Configures retransmission configuration parameters.

---

**Command Modes**

Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_type*)

---

**Syntax Description**

**retransmission timeout** *retransmission\_interval* **max-retry** *max\_retry*

**max-retry *max\_retry***

Specify the maximum number of times to request retry attempts. To disable retransmission, set to 0

Must be an integer in the range of 0-5.

Default Value: 3.

**timeout *retransmission\_interval***

Specify the retransmission interval in seconds. To disable retransmission, set to 0

Must be an integer in the range of 0-10.

Default Value: 2.

---

**Usage Guidelines**

Use this command to configure retransmission configuration parameters.

## instance instance-id endpoint ep system-health-level crash

Configures system health crash parameters.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_type*)

**Syntax Description** **system-health-level crash** { [ **cpu-percent** *cpu\_percentage* ] [ **memory-in-mbs** *memory* ] [ **num-of-goroutine** *goroutine\_per\_core* ] }

**cpu-percent** *cpu\_percentage*

Specify the CPU percentage.

Must be an integer.

Default Value: 80.

**memory-in-mbs** *memory*

Specify the memory in MB.

Must be an integer.

Default Value: 2048.

**num-of-goroutine** *goroutine\_per\_core*

Specify the number of goroutine per core.

Must be an integer.

Default Value: 45000.

**Usage Guidelines** Use this command to configure system health crash parameters.

## instance instance-id endpoint ep system-health-level critical

Configures system health critical parameters.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_type*)

**Syntax Description** **system-health-level critical** { [ **cpu-percent** *cpu\_percent* ] [ **memory-in-mbs** *memory* ] [ **num-of-goroutine** *number\_of\_goroutine* ] }

**cpu-percent** *cpu\_percentage*

Specify the CPU percentage.

Must be an integer.

Default Value: 60.

**memory-in-mbs *memory***

Specify the memory in MB.

Must be an integer.

Default Value: 1024.

**num-of-goroutine *number\_of\_goroutine***

Specify the number of goroutine per core.

Must be an integer.

Default Value: 35000.

**Usage Guidelines** Use this command to configure system health critical parameters.

## instance instance-id endpoint ep system-health-level warn

Configures system health warn parameters.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_type*)

**Syntax Description** **system-health-level warn** { [ **cpu-percent** *cpu\_percentage* ] [ **memory-in-mbs** *memory* ] [ **num-of-goroutine** *number\_of\_goroutine* ] }

**cpu-percent *cpu\_percentage***

Specify the CPU percentage.

Must be an integer.

Default Value: 50.

**memory-in-mbs *memory***

Specify the memory in MBs.

Must be an integer.

Default Value: 512.

**num-of-goroutine *goroutine\_per\_core***

Specify the number of goroutine per core.

Must be an integer.

Default Value: 25000.

**Usage Guidelines** Use this command to configure system health warn parameters.

## instance instance-id endpoint ep vip

Configures VIP parameters.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_type*)

**Syntax Description** **vip-ip** *vip\_ipv4\_address* [ [ **offline** ] [ **vip-interface** *vip\_interface\_name* ] [ **vip-port** *port\_number* ] ]

### **offline**

Specify the VIP-IP as offline.

### **vip-interface** *vip\_interface\_name*

Specify the interface name to advertise BGP router.

Must be a string.

### **vip-ip** *vip\_ipv4\_address*

Specify the VIP IPv4 address.

Must be a string.

### **vip-port** *port\_number*

Specify the port number.

Must be an integer.

**Usage Guidelines** Use this command to configure VIP parameters.

## instance instance-id endpoint ep vip6

Configures VIP IPv6 parameters.

**Command Modes** Exec > Global Configuration (config) > Instance ID Configuration (config-instance-id-*instance\_id*) > Endpoint Configuration (config-endpoint-*endpoint\_type*)

**Syntax Description** **vip-ipv6** *vip\_ipv6\_detail* [ [ **offline** ] [ **vip-ipv6-port** *vip\_ipv6\_port\_number* ] ]

### **offline**

Specify the VIP-IP as offline.

### **vip-ipv6-port** *vip\_ipv6\_port\_number*

Specify the port number.

Must be an integer.

***vip-ipv6 vip\_ipv6\_detail***

Specify the IPv6 detail.

Must be a string.

**Usage Guidelines** Use this command to configure VIP IPv6 parameters.

## instances instance

Configures instance configuration parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **instances instance** *instance\_id* [ [ **cluster-id** *cluster\_id* ] [ **system-id** *system\_id* ] [ **slice-name** *slice\_name* ] ]

***cluster-id cluster\_id***

Specify the instance cluster ID.

Must be a string.

***instance instance\_id***

Specify the instance ID.

Must be an integer in the range of 1-8.

***slice-name slice\_name***

Specify the CDL slice name associated with instance ID.

Must be a string.

***system-id system\_id***

Specify the instance system ID.

Must be a string.

**Usage Guidelines** Use this command to configure instance configuration parameters.

## job

Suspends the jobs that are running in the background.

**Command Modes** Exec

**Syntax Description** **job stop** *job\_id*

***job\_id***

Specify the job ID.

Must be an integer.

**Usage Guidelines** Use this command to suspend the jobs that are running in the background.

## k8 amf local etcd endpoint

Configures AMF local Etcd endpoint parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `amf local etcd endpoint host host_name port port_number`

***host host\_name***

Specify the host name.

Must be a string.

Default Value: etcd.

***port port\_number***

Specify the port number.

Must be an integer.

Default Value: 2379.

**Usage Guidelines** Use this command to configure AMF local Etcd endpoint parameters.

## k8 label pod-group-config

Configures K8 node affinity label pod group configuration.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `k8 label pod_group key label_key value label_value`

***key label\_key***

Specify the key for the label.

Must be a string.

***value label\_value***

Specify the value for the label.

Must be a string.



***pod\_group***

Specify the pod group for the VMs.

Must be one of the following:

- **cdl-layer**
- **oam-layer**
- **protocol-layer**
- **service-layer**

**Usage Guidelines** Use this command to configure K8 node affinity label pod group configuration.

## k8 label sctp-layer

Configures AMF sctp-layer parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **sctp-layer key** *label\_key* **value** *label\_value*

**key** *label\_key*

Specify the key for the label.

Must be a string.

**value** *label\_value*

Specify the value for the label.

Must be a string.

**Usage Guidelines** Use this command to configure sctp-layer parameters.

## leaf-prompting

Enables or disables automatically querying for leaf values.

**Command Modes** Exec

**Syntax Description** **leaf-prompting { false | true }**

**{ false | true }**

Specify false to disable leaf prompting, true to enable.

Must be either "false" or "true".

**Usage Guidelines** Use this command to automatically query for leaf values.

## license smart register

Registers the VNF for Smart Licensing.

**Command Modes** Exec

**Syntax Description** `license smart register [ force | idtoken idtoken ]`

### ***register***

Register the VNF for Smart Licensing.

### ***force***

Force registration of the agent.

### ***idtoken***

Specify the ID token to register the agent with.

Must be an integer.

**Usage Guidelines** Use this command to register the VNF for Smart Licensing.

## license smart deregister

Deregisters the VNF for Smart Licensing.

**Command Modes** Exec

**Syntax Description** `license smart deregister`

### ***deregister***

Deregisters the VNF for Smart Licensing.

**Usage Guidelines** Use this command to deregister the VNF for Smart Licensing.

## license smart renew

Renews smart agent IDs and authentication.

**Command Modes** Exec

**Syntax Description** `license smart renew { ID | auth }`

**renew**

Renews the smart agent IDs and authentication.

**ID**

Specify the ID to renew smart agent license registration information.

**auth**

Specify to initiate a manual update of the license usage information with Cisco.

**Usage Guidelines**

Use this command to renew the smart agent IDs and authentication.

## license smart status

Displays the smart licensing status information.

**Command Modes**

Exec

**Syntax Description**

**license smart status status-only { true | false }**

**status**

Displays the smart licensing information.

**status-only**

Displays only the status information.

Must be one of the following:

- false
- true

**Usage Guidelines**

Use this command to view the smart licensing status information.

## local-instance

Configures GR instance for current instance.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

**local-instance instance** *gr\_instance\_id*

**instance** *gr\_instance\_id*

Specify the GR instance ID of current instance.

**Usage Guidelines**

Use this command to configure GR instance for current instance.

## logging async application enable

Enables and configures async logging.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `logging async application { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async monitor-subscriber { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async tracing { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async transaction { disable | enable buffer-size buffer_size }`

**buffer-size *buffer\_size***

Specify the buffer size for async logging.

Must be an integer.

**Usage Guidelines** Use this command to enable and configure async logging.

## logging async monitor-subscriber enable

Enables and configures async logging.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `logging async application { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async monitor-subscriber { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async tracing { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async transaction { disable | enable buffer-size buffer_size }`

**buffer-size *buffer\_size***

Specify the buffer size for async logging.

Must be an integer.

**Usage Guidelines** Use this command to enable and configure async logging.

## logging async tracing enable

Enables and configures async logging.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `logging async application { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async monitor-subscriber { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async tracing { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async transaction { disable | enable buffer-size buffer_size }`

**buffer-size *buffer\_size***

Specify the buffer size for async logging.

Must be an integer.

**Usage Guidelines** Use this command to enable and configure async logging.

## logging async transaction enable

Enables and configures async logging.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `logging async application { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async monitor-subscriber { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async tracing { disable | enable buffer-size buffer_size }`

**Syntax Description** `logging async transaction { disable | enable buffer-size buffer_size }`

**buffer-size *buffer\_size***

Specify the buffer size for async logging.

Must be an integer.

**Usage Guidelines** Use this command to enable and configure async logging.

## logging error

Configures error logging parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `logging error stack status`

### **stack *status***

Specify to enable or disable error stack.

Must be one of the following:

- **disable**
- **enable**

Default Value: enable.

**Usage Guidelines** Use this command to configure error logging parameters.

## logging level

Configures the logging level.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `logging level log_level`

### **application *application\_log\_level***

Specify the application logging level.

Must be one of the following:

- **debug**
- **error**
- **info**
- **off**
- **trace**
- **warn**

### **monitor-subscriber *monitor\_subscriber\_log\_level***

Specify the monitor subscriber logging level.

Must be one of the following:

- **debug**
- **error**
- **info**
- **off**
- **trace**
- **warn**

**tracing** *tracing\_log\_level*

Specify the tracing logging level.

Must be one of the following:

- **debug**
- **error**
- **info**
- **off**
- **trace**
- **warn**

**transaction** *transaction\_log\_level*

Specify the transaction logging level.

Must be one of the following:

- **debug**
- **error**
- **info**
- **off**
- **trace**
- **warn**

---

**Usage Guidelines** Use this command to configure the logging level.

## logging logger

Configures the log name.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description**    **logging name** *log\_name*

**name** *log\_name*

Specify the log name in "module.component.interface" format.

Must be a string.

---

**Usage Guidelines**    Use this command to configure the log name.

## logging logger level

Configures the logging level.

---

**Command Modes**    Exec > Global Configuration (config)

---

**Syntax Description**    **logging level** *log\_type\_options*

**application** *application\_log\_level*

Specify the application logging level.

Must be one of the following:

- **debug**
- **error**
- **info**
- **off**
- **trace**
- **warn**

**monitor-subscriber** *monitor\_subscriber\_log\_level*

Specify the monitor subscriber logging level.

Must be one of the following:

- **debug**
- **error**
- **info**
- **off**
- **trace**
- **warn**



**tracing *tracing\_log\_level***

Specify the tracing logging level.

Must be one of the following:

- **debug**
- **error**
- **info**
- **off**
- **trace**
- **warn**

**transaction *transaction\_log\_level***

Specify the transaction logging level.

Must be one of the following:

- **debug**
- **error**
- **info**
- **off**
- **trace**
- **warn**

---

**Usage Guidelines** Use this command to configure the logging level.

## logging transaction

Configures the logging transaction parameters.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** `logging transaction { [ duplicate { disable | enable } ] [ message { disable | enable } ] [ persist { disable | enable [ max-file-size max_file_size ] [ max-rotation max_rotations ] } ] }`

**duplicate { enable | disable }**

Specify whether to enable or disable duplicate logs in transaction logging.

Must be one of the following:

- **disable**
- **enable**

Default Value: disable.

**max-file-size *max\_file\_size***

Specify the maximum transaction file size in MB.

Must be an integer in the range of 1-10000.

Default Value: 50.

**max-rotation *max\_rotations***

Specify the maximum number of file rotations.

Must be an integer in the range of 2-1000.

Default Value: 10.

**message { enable | disable }**

Specify whether to enable or disable messages in transaction logging.

Must be one of the following:

- **disable**
- **enable**

Default Value: disable.

**persist { enable | disable }**

Specify whether to enable or disable file-based transaction logging.

Must be one of the following:

- **disable**
- **enable**

Default Value: disable.

---

**Usage Guidelines** Use this command to configure the logging transaction parameters.

## logout

Logout a specific session or a specific user from all sessions.

---

**Command Modes** Exec

---

**Syntax Description** `logout [ session session_id | user user_name ]`

**session *session\_id***

Specify the session ID from the possible completion options.

Must be a string.

**user *user\_name***

Specify the user name or the user process from the possible completion options.

Must be a string.

**Usage Guidelines** Use this command to log out a specific session or a specific user from all sessions.

## monitor protocol

Configures the AMF to monitor the protocol.

**Command Modes** Exec

**Syntax Description** **monitor protocol** [ **interface** *interface\_name* [ **capture-duration** *duration* | **gr-instance** *gr\_instance* | **pcap** ] ]

**interface *interface\_name***

Specify the name of interface on which PCAP is captured.

Must be a string.

Must be one of the following:

- sbi
- pfcf
- gtpu
- gtpc
- gtp

**capture-duration *duration***

Specify the duration, in seconds, during which PCAP is captured.

Must be an integer.

Default Value: 300 seconds

**gr-instance *gr\_instance***

Specify the GR instance ID.

**pcap**

Enable PCAP file generation.

Must be "yes" or "no".

Default Value: no

**Usage Guidelines** Use this command to monitor the protocol.

## monitor subscriber

Configures the AMF to monitor the subscribers.

**Command Modes** Exec

**Syntax Description**

```
monitor subscriber [ capture-duration duration | dump filename file_name |
supi supi | gr-instance gr_instance | imei subscriber_imei | imsi subscriber_imsi |
internal-messages [ yes ] | list | namespace [ sgw | smf ] | [
capture-duration duration | gr-instance gr_instance | internal-messages [ yes
] | nf-service [ sgw | smf ] | transaction-logs [ yes ] ] | nf-service
[ sgw | smf ] | supi supi | transaction-logs [ yes ] ]
```

### **supi *supi***

Specify the subscriber identifier.

Must be a string.

### **capture-duration *duration***

Specify the duration, in seconds, during which PCAP is captured.

Must be an integer.

Default Value: 300 seconds

### **internal-messages**

Set to yes to enable internal messages.

Default Value: disabled

### **transaction-logs**

Set to yes to enable transaction logging.

Default Value: disabled

### **dump filename *file\_name***

Specify the path of the file name to be dumped.

Must be a string.

### **list**

List the monitored subscriber files.

**Usage Guidelines** Use this command to monitor the subscribers.

## no

Restores the command history cache size to its default setting. See the *history* command.

**Command Modes** Exec

**Syntax Description** `no history`

**Usage Guidelines** Use this command to configure the command history cache size to its default setting. For more details, see the *history* command.

## nrf discovery-info discovery-filter

Displays NF discovery filter information.

**Command Modes** Exec > Global Configuration

**Syntax Description** `show discovery-filter`

**Usage Guidelines** Use this command to view NF discovery filter information.

## nrf discovery-info discovery-filter nf-discovery-profile

Displays discovery profile information.

**Command Modes** Exec > Global Configuration

**Syntax Description** `show nf-discovery-profile`

**Usage Guidelines** Use this command to view NF discovery profile information.

## nrf discovery-info discovery-filter nf-discovery-profile nf-service

Displays NF service information.

**Command Modes** Exec > Global Configuration

**Syntax Description** `show nf-service`

**Usage Guidelines** Use this command to view NF service information.

## nrf registration-info

Displays NRF registration information.

<b>Command Modes</b>	Exec
<b>Syntax Description</b>	<pre>show nrf [ registration-info [ gr-instance <i>gr_instance</i> ] ]</pre> <p><b>gr-instance <i>gr_instance</i></b> Specify the GR instance ID. Must be a string.</p>
<b>Usage Guidelines</b>	Use this command to view registration information.

## nrf subscription-info

Displays NF subscription information.

<b>Command Modes</b>	Exec > Global Configuration
<b>Syntax Description</b>	<pre>show nrf subscription-info</pre>
<b>Usage Guidelines</b>	Use this command to view NF subscription information.

## paginate

Configures whether or not to paginate CLI command output.

<b>Command Modes</b>	Exec
<b>Syntax Description</b>	<pre>paginate { true   false }</pre> <p><b>{ true   false }</b> Specify false to disable paginating CLI command output, and true to enable. Must be either "false" or "true".</p>
<b>Usage Guidelines</b>	Use this command to paginate the command output.

## patch amf-ngap-ep

Configures patch amf-ngap-ep parameter.

<b>Command Modes</b>	Exec > Global Configuration (config)
<b>Syntax Description</b>	<pre>patch amf-ngap-ep patch-url <i>patch_url</i></pre> <p><b>patch-url <i>patch_url</i></b> Specify the patch URL.</p>

Must be a string.

**Usage Guidelines** Use this command to configure patch amf-ngap-ep parameter.

## patch amf-rest-ep

Configures patch AMF REST endpoint.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `patch amf-rest-ep patch-url patch_url`

**patch-url patch\_url**

Specify the patch URL.

Must be a string.

**Usage Guidelines** Use this command to configure patch AMF REST endpoint.

## patch amf-sctp-lb

Configures patch amf-sctp-lb parameter.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `patch amf-sctp-lb patch-url patch_url`

**patch-url patch\_url**

Specify the patch URL.

Must be a string.

**Usage Guidelines** Use this command to configure patch amf-sctp-lb parameter.

## patch amf-service

Configures patch AMF service.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `patch amf-service patch-url patch_url`

**patch-url patch\_url**

Specify the patch URL.

Must be a string.

**Usage Guidelines** Use this command to configure patch AMF service.

## peers

Displays peer information.

**Command Modes** Exec

**Syntax Description** `show peers`

**Usage Guidelines** Use this command to view peer information.

## peers all

Displays information for all peers.

**Command Modes** Exec

**Syntax Description** `show peers [ all ]`

**Usage Guidelines** Use this command to view peer configuration information.

## profile emergency-profile emergency

Configures emergency profile parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `profile emergency-profile profile_name [ [ dnn dnn_name ] [ ue-validation-level ue_validation_level ] ]`

**dnn dnn\_name**

Specify name of the DNN.

Must be a string.

**emergency-profile profile\_name**

Specify name of the profile.

Must be a string.

**ue-validation-level ue\_validation\_level**

Specify the UE validation level.

Must be one of the following:

- **auth-only**: Specify to allow only authenticated UEs. Subscription is bypassed.



- **full**: Specify to allow only authenticated UEs with subscription and location validated. Allow only UEs with Normal Registration.
- **none**: Specify to allow any UE. UE without SUPI will attach using IMEI/PEI. Authentication is optional.
- **supi-only**: Specify to allow only UEs with SUPI. UE without SUPI will be rejected. Authentication is optional.

**Usage Guidelines**

Use this command to configure emergency profile parameters. The CLI prompt changes to the Emergency Profile Configuration mode (config-emergency-profile-<profile\_name>).

## profile emergency-profile emergency extended-emergency-num

Configures the extended emergency number parameters.

**Command Modes**

Exec > Global Configuration (config) > Emergency Profile Configuration  
(config-emergency-profile-*profile\_name*)

**Syntax Description**

**extended-emergency-num** *extended\_emergency\_number* **sub-service**  
*emergency\_number\_sub\_service\_type*

**extended-emergency-num** *extended\_emergency\_number*

Specify the extended emergency number.

Must be a string of 1-10 characters.

**sub-service** *emergency\_number\_sub\_service\_type*

Specify the emergency number sub-service type.

Must be a string.

**Usage Guidelines**

Use this command to configure extended emergency number parameters.

You can configure a maximum of 10 elements with this command.

## profile emergency-profile emergency local-emergency-num

Configures local emergency number parameters.

**Command Modes**

Exec > Global Configuration (config) > Emergency Profile Configuration  
(config-emergency-profile-*profile\_name*)

**Syntax Description**

**local-emergency-num** *emergency\_number* *emergency\_number\_service\_type*

**emergency\_number**

Specify the emergency number.

Must be a string of 1-10 characters.

**emergency\_number\_service\_type**

Specify the emergency number service type.

Must be one of the following:

- **ambulance**
- **fire**
- **marine-guard**
- **mountain-rescue**
- **police**

**Usage Guidelines**

Use this command to configure local emergency number parameters.

You can configure a maximum of 10 elements with this command.

## profile emergency-profile emergency slice

Configures slice for subscriber parameters.

**Command Modes**

Exec > Global Configuration (config) > Emergency Profile Configuration  
(config-emergency-profile-profile\_name)

**Syntax Description**

**slice name** slice\_name [ **sst** slice\_service\_type **sdt** slice\_differentiator\_type ]

**name slice\_name**

Specify name of the slice.

Must be a string.

**sdt slice\_differentiator\_type**

Specify the Slice Differentiator Type (SDT).

Must be a string in the octet-string24 pattern. For information on the octet-string24 pattern, see the Input Pattern Types section.

**sst slice\_service\_type**

Specify the Slice Service Type (SST).

Must be an integer in the range of 0-255.

**Usage Guidelines**

Use this command to configure slice for subscriber parameters.

## profile network-element amf

Configures the peer AMF network element configuration parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile network-element amf** *peer\_amf\_config\_name* [ [ **nf-client-profile** *nf\_client\_profile\_name* ] [ **failure-handling-profile** *failure\_handling\_profile\_name* ] ]

**failure-handling-profile** *failure\_handling\_profile\_name*

Specify name of the failure handling profile.

Must be a string.

**nf-client-profile** *nf\_client\_profile\_name*

Specify name of the NF client profile.

Must be a string.

**peer\_amf\_config\_name**

Specify name of the AMF peer configuration.

Must be a string.

**Usage Guidelines** Use this command to configure the peer AMF network element configuration parameters. The CLI prompt changes to the AMF NE Configuration mode (config-amf-<amf\_name>).

## profile network-element amf query-params

Configures query parameters for AMF discovery.

**Command Modes** Exec > Global Configuration (config) > AMF NE Configuration mode (config-amf-*amf\_name*)

**Syntax Description** **query-params** *amf\_query\_params*

**query-params** *amf\_query\_params*

Specify the AMF query parameters.

Must be one of the following:

- **dnn**
- **guami**
- **requester-plmn**
- **snssais**
- **supi**
- **tai**
- **target-plmn**

**Usage Guidelines** Use this command to configure query parameters for AMF discovery.

## profile network-element ausf

Configures peer AUSF parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile network-element ausf** *peer\_ausf\_config\_name* **nf-client-profile** *nf\_client\_profile\_name* **failure-handling-profile** *fh\_profile\_name*

**failure-handling-profile** *fh\_profile\_name*

Specify name of the failure handling profile.

Must be a string.

**nf-client-profile** *nf\_client\_profile\_name*

Specify name of the NF client profile.

Must be a string.

**peer\_ausf\_config\_name**

Specify name of the peer AUSF configuration.

Must be a string.

**Usage Guidelines** Use this command to configure peer AUSF parameters.

## profile network-element ausf query-params

Configures query parameter for AUSF discovery.

**Command Modes** Exec > Global Configuration (config) > AUSF Peer Configuration (config-amf-peer\_ausf\_config\_name)

**Syntax Description** **query-params** *amf\_ausf\_query\_params*

**query-params** *amf\_ausf\_query\_params*

Specify the AMF AUSF query parameters.

Must be one of the following:

- requester-plmn
- routing-indicator
- supi
- target-plmn

**Usage Guidelines** Use this command to configure query parameter for AUSF discovery.

## profile network-element nssf

Configures peer NSSF parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile network-element nssf** *peer\_nssf\_config\_name* **nf-client-profile** *nf\_client\_profile\_name* **failure-handling-profile** *fh\_profile\_name*

**failure-handling-profile** *fh\_profile\_name*

Specify name of the failure handling profile.

Must be a string.

**nf-client-profile** *nf\_client\_profile\_name*

Specify name of the NF client profile.

Must be a string.

**peer\_nssf\_config\_name**

Specify name of the NSSF peer configuration.

Must be a string.

**Usage Guidelines** Use this command to configure peer NSSF parameters.

## profile network-element nssf query-params

Configures query parameters for NSSF discovery.

**Command Modes** Exec > Global Configuration (config) > NSSF Peer Configuration (config-nssf-peer\_nssf\_config\_name)

**Syntax Description** **query-params** *query\_parameters*

**query-params** *query\_parameters*

Specify NRF query parameters.

Must be one of the following:

- **dnn**
- **requester-plmn**
- **snsais**
- **supi**

- tai
- target-plmn

**Usage Guidelines** Use this command to configure query parameters for NSSF discovery.

## profile network-element pcf

Configures peer PCF parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile network-element pcf** *peer\_pcf\_config\_name* **nf-client-profile** *nf\_client\_profile\_name* **failure-handling-profile** *failure\_handling\_profile\_name*

**failure-handling-profile** *failure\_handling\_profile\_name*

Specify name of the failure handling profile.

Must be a string.

**nf-client-profile** *nf\_client\_profile\_name*

Specify name of the NF client profile.

Must be a string.

**peer\_pcf\_config\_name**

Specify name of the PCF peer configuration.

Must be a string.

**Usage Guidelines** Use this command to configure the peer PCF parameters.

## profile network-element pcf query-params

Configures query parameters for PCF discovery.

**Command Modes** Exec > Global Configuration (config) > PCF Peer Configuration (config-pcf-peer\_pcf\_config\_name)

**Syntax Description** **query-params** *query\_parameters*

**query-params** *query\_parameters*

Specify NRF query parameters.

Must be one of the following:

- dnn
- requester-plmn

- **snssais**
- **supi**
- **tai**
- **target-plmn**

**Usage Guidelines** Use this command to configure query parameters for PCF discovery.

## profile network-element smf

Configures SMF peer parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile network-element smf** *peer\_smf\_config\_name* **nf-client-profile** *nf\_client\_profile\_name* **failure-handling-profile** *fh\_profile\_name*

**failure-handling-profile** *fh\_profile\_name*

Specify name of the failure handling profile.

Must be a string.

**nf-client-profile** *nf\_client\_profile\_name*

Specify name of the NF client profile.

Must be a string.

**peer\_smf\_config\_name**

Specify name of the SMF peer configuration.

Must be a string.

**Usage Guidelines** Use this command to configure SMF peer parameters.

## profile network-element smf query-params

Configures query parameter for SMF discovery.

**Command Modes** Exec > Global Configuration (config) > SMF Peer Configuration (config-smf-*peer\_smf\_config\_name*)

**Syntax Description** **query-params** *query\_parameters*

**query-params** *smf\_query\_params*

Specify the SMF query parameters.

Must be one of the following:

- dnn
- pgwfqdn
- pgwind
- requester-plmn
- snssais
- supi
- tai
- target-plmn

**Usage Guidelines** Use this command to configure query parameter for SMF discovery.

## profile network-element udm

Configures peer UDM parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile network-element udm** *peer\_udm\_config\_name* **nf-client-profile** *nf\_client\_profile\_name* **failure-handling-profile** *fh\_profile\_name*

**failure-handling-profile** *fh\_profile\_name*

Specify name of the failure handling profile.

Must be a string.

**nf-client-profile** *nf\_client\_profile\_name*

Specify name of the NF client profile.

Must be a string.

**peer\_udm\_config\_name**

Specify name of the UDM peer configuration.

Must be a string.

**Usage Guidelines** Use this command to configure peer UDM parameters.

## profile network-element udm query-params

Configures query parameters for UDM discovery.

**Command Modes** Exec > Global Configuration (config) > UDM Peer Configuration (config-udm-*peer\_udm\_config\_name*)



**Syntax Description**    **query-params** *query\_parameters*

**query-params** *amf\_udm\_query\_params*

Specify the AMF UDM query parameters.

Must be one of the following:

- **requester-plmn**
- **routing-indicator**
- **supi**
- **target-plmn**

**Usage Guidelines**    Use this command to configure query parameters for UDM discovery.

## profile nf-client nf-type amf amf-profile

Configures AMF profile parameters.

**Command Modes**    Exec > Global Configuration (config)

**Syntax Description**    **profile nf-client nf-type amf amf-profile** *profile\_name*

**amf-profile** *profile\_name*

Specify the AMF profile name

Must be a string.

**Usage Guidelines**    Use this command to configure AMF profile parameters. The CLI prompt changes to the AMF Profile Configuration mode (config-amf-profile-<profile\_name>).

## profile nf-client nf-type amf amf-profile locality

Configures the AMF profile locality parameter.

**Command Modes**    Exec > Global Configuration (config) > AMF Profile Configuration (config-amf-profile-*profile\_name*)

**Syntax Description**    **locality** *locality\_name* [ **priority** *locality\_priority* ]

**locality** *locality\_name*

Specify name of the locality.

Must be a string.

**priority** *locality\_priority*

Specify priority of the locality configuration.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the AMF profile locality parameter.

## profile nf-client nf-type amf amf-profile locality service name type

Configures the AMF service name type parameter.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

**Syntax Description** **service name type** *amf\_service\_name\_type* **responsetimeout** *response\_timeout*

**responsetimeout** *response\_timeout*

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type** *amf\_service\_name\_type*

Specify the service name type.

Must be one of the following:

- **namf-comm**
- **namf-evts**
- **namf-loc**
- **namf-mt**

**Usage Guidelines** Use this command to configure the AMF service name type parameter. The CLI prompt changes to the Service Name Type Configuration mode (config-type-<*service\_name\_type*>).

## profile nf-client nf-type amf amf-profile locality service name type endpoint-profile

Configures endpoint profile parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Syntax Description</b>	<p><b>endpoint-profile</b> <i>endpoint_profile_name</i> { <b>capacity</b> <i>capacity_value</i>   <b>priority</b> <i>profile_priority</i>   <b>api-uri-prefix</b> <i>api_uri_prefix</i>   <b>api-root</b> <i>api_root</i>   <b>uri-scheme</b> <i>uri_scheme</i> }</p> <p><b>api-root</b> <i>api_root</i> Specify the API root. Must be a string.</p> <p><b>api-uri-prefix</b> <i>api_uri_prefix</i> Specify the API URI prefix. Must be a string.</p> <p><b>capacity</b> <i>capacity_value</i> Specify the profile capacity. Must be an integer in the range of 0-65535.</p>

**profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name**

Default Value: 10.

**endpoint-profile *endpoint\_profile\_name***

Specify name of the endpoint profile.

Must be a string.

**priority *profile\_priority***

Specify the priority of the profile.

Must be an integer in the range of 0-65535.

Default Value: 1.

**uri-scheme *uri\_scheme***

Specify the URI scheme.

Must be one of the following:

- **http**: HTTP.
- **https**: HTTPS.

**Usage Guidelines**

Use this command to configure endpoint profile parameters. The CLI prompt changes to the Endpoint Profile Configuration mode (`config-endpoint-profile-<profile_name>`).

## profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name

Configures the endpoint name parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (`config`) > AMF NF-Client Configuration (`config-amf`) > AMF Profile Configuration (`config-amf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > AUSF NF-Client Configuration (`config-ausf`) > AUSF Profile Configuration (`config-ausf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > CHF NF-Client Configuration (`config-chf`) > CHF Profile Configuration (`config-chf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > EIR NF-Client Configuration (`config-eir`) > EIR Profile Configuration (`config-eir-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name

Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-smf) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

**Syntax Description**

**endpoint-name** *endpoint\_name* [ **priority** *node\_priority* | **capacity** *node\_capacity* ]

**capacity** *node\_capacity*

Specify the node capacity for the endpoint.

Must be an integer in the range of 0-65535.

**endpoint-name** *endpoint\_name*

Specify name of the endpoint. You can configure the primary, secondary, and tertiary host (IP: Port) within each endpoint for NF server failover handling. The server failover configuration accepts both IPv4 and IPv6 addresses. However, the SMF gives preference to the IPv4 address.

Must be a string.

**priority** *node\_priority*

Specify the node priority for the endpoint.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this configuration to configure the endpoint name parameters. The CLI prompt changes to the Endpoint Name Configuration mode (config-endpoint-name-<endpoint\_name>).

# profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions

Configures the Default Notification Subscription parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

## Command Modes

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

## Command Modes

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

## Command Modes

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

## Command Modes

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

## Command Modes

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

## Command Modes

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

## Command Modes

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

## Command Modes

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description**

**default-notification-subscriptions** *name* [ **callback-uri** *callback\_uri* | **n1-message-class** *n1\_message\_class* | **n2-information-class** *n2\_information\_class* | **notification-type** *notification\_type* ]

**callback-uri** *callback\_uri*

Specify the callback URI.

Must be a string.

**n1-message-class** *n1\_message\_class*

Specify the N1 Message Class.

Must be one of the following:

- 5GMM

**n2-information-class** *n2\_information\_class*

Specify the N2 Information Class.

Must be one of the following:

- RAN

**notification-type** *notification\_type*

Specify the notification type.

Must be one of the following:

- DATA\_CHANGE\_NOTIFICATION
- DATA\_REMOVAL\_NOTIFICATION
- LOCATION\_NOTIFICATION
- N1\_MESSAGES
- N2\_INFORMATION

**name**

Specify the name of the default notification subscriptions.

Must be a string.

**Usage Guidelines**

Use this command to configure the Default Notification Subscription parameters. The CLI prompt changes to the Default Notification Subscriptions Configuration mode (config-default-notification-subscriptions-<name>)

# profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name primary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> )



> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

### Syntax Description

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6
ipv6_address ] [ port port_number ] }
```

#### ipv4 ipv4\_address

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

#### ipv6 ipv6\_address

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

#### port port\_number

Specify the port number.

Must be an integer in the range of 0-65535.

### Usage Guidelines

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name secondary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

### Command Modes

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

### Command Modes

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

### Command Modes

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

### Command Modes

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name

**profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name secondary ip-address**

Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Syntax Description

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

##### **ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

##### **ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

##### **port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

#### Usage Guidelines

Use this command to configure the endpoint IP address and port number parameters.

# profile nf-client nf-type amf amf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> )

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description** { **primary** | **secondary** | **tertiary** } **ip-address** { [ **ipv4** ipv4\_address | **ipv6** ipv6\_address ] [ **port** port\_number ] }

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type amf amf-profile locality service name type endpoint-profile version uri-version

Configures the URI version parameter. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Syntax Description</b>	<pre><b>version uri-version</b> { <i>uri_version</i>   <b>full-version</b> <i>full_version</i> }</pre> <p><b>full-version</b> <i>full_version</i></p> <p>Specify the full version in the format <i>major-version.minor-version.patch-version.[alpha-draft-number]</i></p> <p>Must be a string.</p> <p><b>uri-version</b> <i>uri_version</i></p> <p>Specify the URI version.</p> <p>Must be a string in the pattern <i>v\d</i>.</p>
<b>Usage Guidelines</b>	Use this command to configure the URI version parameter.

## profile nf-client nf-type ausf ausf-profile

Configures AUSF profile parameters.

<b>Command Modes</b>	Exec > Global Configuration (config)
<b>Syntax Description</b>	<pre><b>profile nf-client nf-type ausf ausf-profile</b> <i>profile_name</i></pre> <p><b>ausf-profile</b> <i>profile_name</i></p> <p>Specify name of the AUSF profile.</p> <p>Must be a string.</p>
<b>Usage Guidelines</b>	Use this command to configure AUSF profile parameters. The CLI prompt changes to the AUSF Profile Configuration mode (config-ausf-profile-<profile_name>).

## profile nf-client nf-type ausf ausf-profile locality

Configures the AUSF profile locality parameter.

**Command Modes** Exec > Global Configuration (config) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*)

**Syntax Description** **locality** *locality\_name* [ **priority** *locality\_priority* ]

**locality** *locality\_name*

Specify name of the locality.

Must be a string.

**priority** *locality\_priority*

Specify priority of the locality configuration.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the AUSF profile locality parameter.

## profile nf-client nf-type ausf ausf-profile locality service name type

Configures the AUSF service name type parameter.

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

**Syntax Description** **service name type** *ausf\_service\_name\_type* [ **responsetimeout** *response\_timeout* ]

**responsetimeout** *response\_timeout*

Specify the timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type** *ausf\_service\_name\_type*

Specify the AUSF service name type.

Must be one of the following:

- **nausf-auth**

**Usage Guidelines** Use this command to configure the AUSF service name type parameter. The CLI prompt changes to the Service Name Type Configuration mode (config-type-<service\_name\_type>).

# profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile

Configures endpoint profile parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Syntax Description</b>	<p><b>endpoint-profile</b> <i>endpoint_profile_name</i> { <b>capacity</b> <i>capacity_value</i>   <b>priority</b> <i>profile_priority</i>   <b>api-uri-prefix</b> <i>api_uri_prefix</i>   <b>api-root</b> <i>api_root</i>   <b>uri-scheme</b> <i>uri_scheme</i> }</p> <p><b>api-root</b> <i>api_root</i></p> <p>Specify the API root.</p>

**profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name**

Must be a string.

**api-uri-prefix *api\_uri\_prefix***

Specify the API URI prefix.

Must be a string.

**capacity *capacity\_value***

Specify the profile capacity.

Must be an integer in the range of 0-65535.

Default Value: 10.

**endpoint-profile *endpoint\_profile\_name***

Specify name of the endpoint profile.

Must be a string.

**priority *profile\_priority***

Specify the priority of the profile.

Must be an integer in the range of 0-65535.

Default Value: 1.

**uri-scheme *uri\_scheme***

Specify the URI scheme.

Must be one of the following:

- **http**: HTTP.
- **https**: HTTPS.

**Usage Guidelines**

Use this command to configure endpoint profile parameters. The CLI prompt changes to the Endpoint Profile Configuration mode (config-endpoint-profile-<profile\_name>).

## profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name

Configures the endpoint name parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)



<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-smf) > UDM Profile Configuration (config-udm-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Syntax Description</b>	<b>endpoint-name</b> endpoint_name [ <b>priority</b> node_priority   <b>capacity</b> node_capacity ]

**capacity node\_capacity**

Specify the node capacity for the endpoint.

Must be an integer in the range of 0-65535.

**endpoint-name** *endpoint\_name*

Specify name of the endpoint. You can configure the primary, secondary, and tertiary host (IP: Port) within each endpoint for NF server failover handling. The server failover configuration accepts both IPv4 and IPv6 addresses. However, the SMF gives preference to the IPv4 address.

Must be a string.

**priority** *node\_priority*

Specify the node priority for the endpoint.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this configuration to configure the endpoint name parameters. The CLI prompt changes to the Endpoint Name Configuration mode (config-endpoint-name-<endpoint\_name>).

## profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions

Configures the Default Notification Subscription parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description** **default-notification-subscriptions** *name* [ **callback-uri** *callback\_uri* | **n1-message-class** *n1\_message\_class* | **n2-information-class** *n2\_information\_class* | **notification-type** *notification\_type* ]

**callback-uri** *callback\_uri*

Specify the callback URI.

Must be a string.

**n1-message-class** *n1\_message\_class*

Specify the N1 Message Class.

Must be one of the following:

- 5GMM

**n2-information-class** *n2\_information\_class*

Specify the N2 Information Class.

Must be one of the following:

- RAN

**notification-type** *notification\_type*

Specify the notification type.

Must be one of the following:

- DATA\_CHANGE\_NOTIFICATION
- DATA\_REMOVAL\_NOTIFICATION

**profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name primary ip-address**

- **LOCATION\_NOTIFICATION**
- **N1\_MESSAGES**
- **N2\_INFORMATION**

***name***

Specify the name of the default notification subscriptions.

Must be a string.

**Usage Guidelines**

Use this command to configure the Default Notification Subscription parameters. The CLI prompt changes to the Default Notification Subscriptions Configuration mode (config-default-notification-subscriptions-<name>)

## **profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name primary ip-address**

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 *ipv4\_address***

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 *ipv6\_address***

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port *port\_number***

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name secondary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

```
profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name secondary ip-address
```

<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Syntax Description</b>	<pre>{ <b>primary</b>   <b>secondary</b>   <b>tertiary</b> } ip-address { [ <b>ipv4</b> <i>ipv4_address</i>   <b>ipv6</b> <i>ipv6_address</i> ] [ <b>port</b> <i>port_number</i> ] }</pre> <p><b>ipv4 <i>ipv4_address</i></b> Specify the IPv4 address.</p> <p>Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.</p>

**ipv6 *ipv6\_address***

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port *port\_number***

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Syntax Description</b>	<pre>{ <b>primary</b>   <b>secondary</b>   <b>tertiary</b> } <b>ip-address</b> { [ <b>ipv4</b> <i>ipv4_address</i>   <b>ipv6</b> <i>ipv6_address</i> ] [ <b>port</b> <i>port_number</i> ] }</pre> <p><b>ipv4 <i>ipv4_address</i></b> Specify the IPv4 address. Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.</p> <p><b>ipv6 <i>ipv6_address</i></b> Specify the IPv6 address. Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.</p> <p><b>port <i>port_number</i></b> Specify the port number. Must be an integer in the range of 0-65535.</p>
<b>Usage Guidelines</b>	Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile version uri-version

Configures the URI version parameter. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
----------------------	---



<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Syntax Description</b>	<pre><b>version uri-version</b> { <i>uri_version</i>   <b>full-version</b> <i>full_version</i> }</pre> <p><b>full-version</b> <i>full_version</i></p> <p>Specify the full version in the format <i>major-version.minor-version.patch-version.[alpha-draft-number]</i></p> <p>Must be a string.</p> <p><b>uri-version</b> <i>uri_version</i></p> <p>Specify the URI version.</p> <p>Must be a string in the pattern <i>v\d</i>.</p>
<b>Usage Guidelines</b>	Use this command to configure the URI version parameter.

## profile nf-client nf-type chf chf-profile

Configures the CHF profile parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile nf-client nf-type chf chf-profile** *profile\_name*

**chf-profile** *profile\_name*

Specify name of the CHF profile.

Must be a string.

**Usage Guidelines** Use this command to configure the CHF profile parameters. The CLI prompt changes to the CHF Profile Configuration mode (config-chf-profile-<profile\_name>).

## profile nf-client nf-type chf chf-profile locality

Configures the CHF profile locality parameter.

**Command Modes** Exec > Global Configuration (config) > CHF Profile Configuration (config-chf-profile-*profile\_name*)

**Syntax Description** **locality** *locality\_name* [ **priority** *locality\_priority* ]

**locality** *locality\_name*

Specify name of the locality.

Must be a string.

**priority** *locality\_priority*

Specify priority of the locality configuration.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the CHF profile locality parameter.

## profile nf-client nf-type chf chf-profile locality service name type

Configures the CHF service name type parameter.

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

**Syntax Description** **service name type** *service\_name\_type* [ **responsetimeout** *response\_timeout* ]

**responsetimeout** *response\_timeout*

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type service\_name\_type**

Specify the CHF service name type.

Must be one of the following:

- **nchf-convergedcharging**
- **nchf-spendinglimitcontrol**

**Usage Guidelines**

Use this command to configure the CHF service name type parameter. The CLI prompt changes to the Service Name Type Configuration mode (config-type-<service\_name\_type>).

## profile nf-client nf-type chf chf-profile locality service name type endpoint-profile

Configures endpoint profile parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Syntax Description** **endpoint-profile** *endpoint\_profile\_name* { **capacity** *capacity\_value* | **priority** *profile\_priority* | **api-uri-prefix** *api\_uri\_prefix* | **api-root** *api\_root* | **uri-scheme** *uri\_scheme* }

**api-root** *api\_root*

Specify the API root.

Must be a string.

**api-uri-prefix** *api\_uri\_prefix*

Specify the API URI prefix.

Must be a string.

**capacity** *capacity\_value*

Specify the profile capacity.

Must be an integer in the range of 0-65535.

Default Value: 10.

**endpoint-profile** *endpoint\_profile\_name*

Specify name of the endpoint profile.

Must be a string.

**priority** *profile\_priority*

Specify the priority of the profile.

Must be an integer in the range of 0-65535.

Default Value: 1.

**uri-scheme** *uri\_scheme*

Specify the URI scheme.

Must be one of the following:

- **http**: HTTP.
- **https**: HTTPS.

**Usage Guidelines**

Use this command to configure endpoint profile parameters. The CLI prompt changes to the Endpoint Profile Configuration mode (`config-endpoint-profile-<profile_name>`).

# profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name

Configures the endpoint name parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (`config`) > AMF NF-Client Configuration (`config-amf`) > AMF Profile Configuration (`config-amf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > AUSF NF-Client Configuration (`config-ausf`) > AUSF Profile Configuration (`config-ausf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > CHF NF-Client Configuration (`config-chf`) > CHF Profile Configuration (`config-chf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > EIR NF-Client Configuration (`config-eir`) > EIR Profile Configuration (`config-eir-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > NSSF NF-Client Configuration (`config-nssf`) > NSSF Profile Configuration (`config-nssf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > PCF NF-Client Configuration (`config-pcf`) > PCF Profile Configuration (`config-pcf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > SEPP NF-Client Configuration (`config-sepp`) > SEPP Profile Configuration (`config-sepp-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > SMF NF-Client Configuration (`config-smf`) > SMF Profile Configuration (`config-smf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-smf) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Syntax Description</b>	<p><b>endpoint-name</b> <i>endpoint_name</i> [ <b>priority</b> <i>node_priority</i>   <b>capacity</b> <i>node_capacity</i> ]</p> <p><b>capacity</b> <i>node_capacity</i></p> <p>Specify the node capacity for the endpoint. Must be an integer in the range of 0-65535.</p> <p><b>endpoint-name</b> <i>endpoint_name</i></p> <p>Specify name of the endpoint. You can configure the primary, secondary, and tertiary host (IP: Port) within each endpoint for NF server failover handling. The server failover configuration accepts both IPv4 and IPv6 addresses. However, the SMF gives preference to the IPv4 address. Must be a string.</p> <p><b>priority</b> <i>node_priority</i></p> <p>Specify the node priority for the endpoint. Must be an integer in the range of 0-65535.</p>
<b>Usage Guidelines</b>	Use this configuration to configure the endpoint name parameters. The CLI prompt changes to the Endpoint Name Configuration mode (config-endpoint-name- <i>&lt;endpoint_name&gt;</i> ).

## profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions

Configures the Default Notification Subscription parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name

Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description**

**default-notification-subscriptions** name [ **callback-uri** callback\_uri | **n1-message-class** n1\_message\_class | **n2-information-class** n2\_information\_class | **notification-type** notification\_type ]

**callback-uri** callback\_uri

Specify the callback URI.

Must be a string.

**n1-message-class** n1\_message\_class

Specify the N1 Message Class.

Must be one of the following:

- 5GMM

**profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name primary ip-address**

**n2-information-class *n2\_information\_class***

Specify the N2 Information Class.

Must be one of the following:

- RAN

**notification-type *notification\_type***

Specify the notification type.

Must be one of the following:

- DATA\_CHANGE\_NOTIFICATION
- DATA\_REMOVAL\_NOTIFICATION
- LOCATION\_NOTIFICATION
- N1\_MESSAGES
- N2\_INFORMATION

***name***

Specify the name of the default notification subscriptions.

Must be a string.

**Usage Guidelines**

Use this command to configure the Default Notification Subscription parameters. The CLI prompt changes to the Default Notification Subscriptions Configuration mode (config-default-notification-subscriptions-<name>)

## **profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name primary ip-address**

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)



<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Syntax Description</b>	<pre>{ primary   secondary   tertiary } ip-address { [ ipv4 ipv4_address   ipv6 ipv6_address ] [ port port_number ] }</pre> <p><b>ipv4 ipv4_address</b> Specify the IPv4 address. Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.</p> <p><b>ipv6 ipv6_address</b> Specify the IPv6 address. Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.</p> <p><b>port port_number</b> Specify the port number. Must be an integer in the range of 0-65535.</p>

**profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name secondary ip-address**

**Usage Guidelines** Use this command to configure the endpoint IP address and port number parameters.

## **profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name secondary ip-address**

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 *ipv4\_address***

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 *ipv6\_address***

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port *port\_number***

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

```
profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address
```

<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Syntax Description</b>	<p><b>{ primary   secondary   tertiary } ip-address { [ ipv4 <i>ipv4_address</i>   ipv6 <i>ipv6_address</i> ] [ port <i>port_number</i> ] }</b></p> <p><b>ipv4 <i>ipv4_address</i></b> Specify the IPv4 address. Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.</p> <p><b>ipv6 <i>ipv6_address</i></b> Specify the IPv6 address. Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.</p> <p><b>port <i>port_number</i></b> Specify the port number. Must be an integer in the range of 0-65535.</p>

**Usage Guidelines** Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type chf chf-profile locality service name type endpoint-profile version uri-version

Configures the URI version parameter. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Syntax Description** **version uri-version** { *uri\_version* | **full-version** *full\_version* }

**full-version** *full\_version*

Specify the full version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*

Must be a string.

**uri-version** *uri\_version*

Specify the URI version.

Must be a string in the pattern v\d.

**Usage Guidelines** Use this command to configure the URI version parameter.

## profile nf-client nf-type eir eir-profile

Configures EIR profile parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile nf-client nf-type eir eir-profile** *eir\_profile\_name*

**eir-profile** *eir\_profile\_name*

Specify name of the EIR profile.

Must be a string.

**Usage Guidelines** Use this command to configure the EIR profile parameters. The CLI prompt changes to the EIR Profile Configuration mode (config-eir-profile-<profile\_name>).

## profile nf-client nf-type eir eir-profile locality

Configures the EIR profile locality parameter.

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*)

**Syntax Description** **locality** *locality\_name* [ **priority** *priority* ]

**locality** *locality\_name*

Specify name of the locality.

Must be a string.

**priority** *priority*

Specify the priority of the locality configuration.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the EIR profile locality parameter.

## profile nf-client nf-type eir eir-profile locality service name type

Configures the EIR service name type parameter.

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

**Syntax Description** **service name type** *service\_name\_type* [ **responsetimeout** *response\_timeout\_interval* ]

### **responsetimeout** *response\_timeout\_interval*

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

### **type** *service\_name\_type*

Specify the EIR service name type.

Must be one of the following:

- **n5g-eir-eic**

**Usage Guidelines** Use this command to configure the EIR service name type parameter. The CLI prompt changes to the Service Name Type Configuration mode (config-type-<*service\_name\_type*>).

## profile nf-client nf-type eir eir-profile locality service name type endpoint-profile

Configures endpoint profile parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Syntax Description</b>	<p><b>endpoint-profile</b> <i>endpoint_profile_name</i> { <b>capacity</b> <i>capacity_value</i>   <b>priority</b> <i>profile_priority</i>   <b>api-uri-prefix</b> <i>api_uri_prefix</i>   <b>api-root</b> <i>api_root</i>   <b>uri-scheme</b> <i>uri_scheme</i> }</p> <p><b>api-root</b> <i>api_root</i> Specify the API root. Must be a string.</p> <p><b>api-uri-prefix</b> <i>api_uri_prefix</i> Specify the API URI prefix. Must be a string.</p> <p><b>capacity</b> <i>capacity_value</i> Specify the profile capacity. Must be an integer in the range of 0-65535. Default Value: 10.</p> <p><b>endpoint-profile</b> <i>endpoint_profile_name</i> Specify name of the endpoint profile. Must be a string.</p>



**priority** *profile\_priority*

Specify the priority of the profile.

Must be an integer in the range of 0-65535.

Default Value: 1.

**uri-scheme** *uri\_scheme*

Specify the URI scheme.

Must be one of the following:

- **http**: HTTP.
- **https**: HTTPS.

**Usage Guidelines**

Use this command to configure endpoint profile parameters. The CLI prompt changes to the Endpoint Profile Configuration mode (`config-endpoint-profile-<profile_name>`).

## profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name

Configures the endpoint name parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (`config`) > AMF NF-Client Configuration (`config-amf`) > AMF Profile Configuration (`config-amf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > AUSF NF-Client Configuration (`config-ausf`) > AUSF Profile Configuration (`config-ausf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > CHF NF-Client Configuration (`config-chf`) > CHF Profile Configuration (`config-chf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > EIR NF-Client Configuration (`config-eir`) > EIR Profile Configuration (`config-eir-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > NSSF NF-Client Configuration (`config-nssf`) > NSSF Profile Configuration (`config-nssf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-smf) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Syntax Description</b>	<p><b>endpoint-name</b> <i>endpoint_name</i> [ <b>priority</b> <i>node_priority</i>   <b>capacity</b> <i>node_capacity</i> ]</p> <p><b>capacity</b> <i>node_capacity</i></p> <p>Specify the node capacity for the endpoint. Must be an integer in the range of 0-65535.</p> <p><b>endpoint-name</b> <i>endpoint_name</i></p> <p>Specify name of the endpoint. You can configure the primary, secondary, and tertiary host (IP: Port) within each endpoint for NF server failover handling. The server failover configuration accepts both IPv4 and IPv6 addresses. However, the SMF gives preference to the IPv4 address. Must be a string.</p> <p><b>priority</b> <i>node_priority</i></p> <p>Specify the node priority for the endpoint. Must be an integer in the range of 0-65535.</p>
<b>Usage Guidelines</b>	Use this configuration to configure the endpoint name parameters. The CLI prompt changes to the Endpoint Name Configuration mode (config-endpoint-name-< <i>endpoint_name</i> >).

# profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions

Configures the Default Notification Subscription parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description**

**default-notification-subscriptions** *name* [ **callback-uri** *callback\_uri* | **n1-message-class** *n1\_message\_class* | **n2-information-class** *n2\_information\_class* | **notification-type** *notification\_type* ]

**callback-uri** *callback\_uri*

Specify the callback URI.

Must be a string.

**n1-message-class** *n1\_message\_class*

Specify the N1 Message Class.

Must be one of the following:

- 5GMM

**n2-information-class** *n2\_information\_class*

Specify the N2 Information Class.

Must be one of the following:

- RAN

**notification-type** *notification\_type*

Specify the notification type.

Must be one of the following:

- DATA\_CHANGE\_NOTIFICATION
- DATA\_REMOVAL\_NOTIFICATION
- LOCATION\_NOTIFICATION
- N1\_MESSAGES
- N2\_INFORMATION

**name**

Specify the name of the default notification subscriptions.

Must be a string.

**Usage Guidelines**

Use this command to configure the Default Notification Subscription parameters. The CLI prompt changes to the Default Notification Subscriptions Configuration mode (config-default-notification-subscriptions-<name>)

# profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name primary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile_name) > Locality Configuration (config-locality-locality_name)

**profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name secondary ip-address**

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description** { **primary** | **secondary** | **tertiary** } **ip-address** { [ **ipv4** ipv4\_address | **ipv6** ipv6\_address ] [ **port** port\_number ] }

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name secondary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name

Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

# profile nf-client nf-type eir eir-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)



> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6
ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

---

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type eir eir-profile locality service name type endpoint-profile version uri-version

Configures the URI version parameter. This command is common to multiple NF clients, and is available in the following configuration modes.

---

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

---

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

---

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

---

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Syntax Description</b>	<pre>version uri-version { uri_version   full-version full_version }</pre> <p><b>full-version</b> <i>full_version</i></p> <p>Specify the full version in the format <i>major-version.minor-version.patch-version.[alpha-draft-number]</i></p> <p>Must be a string.</p> <p><b>uri-version</b> <i>uri_version</i></p> <p>Specify the URI version.</p> <p>Must be a string in the pattern v\d.</p>
<b>Usage Guidelines</b>	Use this command to configure the URI version parameter.

## profile nf-client nf-type group nrf auth service type nrf oauth2

Configures the AMF ID (**service type nrf oauth2** in the **group nrf auth**) to enable an NRF endpoint, to which the AMF will send the `AccessToken` request to the NRF server, when the `nf-client` is configured.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF Configuration (config-amf <i>amf_name</i> ) > NF Profile Name Configuration (config-nf-profile-nf <i>nf_profile_name</i> ) > NF Profile Type Configuration (config-nf-type-profile <i>profile_type_name</i> ) > group nrf auth > service type nrf oauth2
<b>Syntax Description</b>	<pre>group nrf auth nrf_group_name   service type nrf oauth2     endpoint-profile endpoint_profile_details     capacity capacity_number     uri-scheme http     endpoint-name endpoint_name</pre>

```

priority priority_number
primary ip-address ipv4 ipv4_address
primary ip-address port port_address

```

**group nrf auth** *nrf\_group\_name*

Specify the NRF group name to authenticate. Must be a string.

**service type nrf oauth2**

Specify the service and the type of NRF, which must be authenticated to enable the OAuth2 profile configuration.

**endpoint-profile** *endpoint\_profile\_details*

Specify the endpoint profile details.

**capacity** *capacity\_number*

Specify the capacity requirement in number.

**uri-scheme** *http*

Specify the URI scheme.

**endpoint-name** *endpoint\_name*

Specify the endpoint name.

**priority** *priority\_number*

Specify the priority request. Must be in numbers.

**primary ip-address ipv4** *ipv4\_address*

Specify the primary IPv4 address.

**primary ip-address port** *port\_address*

Specify the primary port address.

**Usage Guidelines**

Use this command, when the **service type nrf oauth2** in the **group nrf auth** feature is configured, when the AMF sends the `AccessToken` request to the NRF server, when the `nf-client` is configured.

## profile nf-client nf-type nssf nssf-profile

Configures NSSF profile parameters.

**Command Modes**

Exec > Global Configuration (config)

**Syntax Description**

**profile nf-client nf-type nssf nssf-profile** *nssf\_profile\_name*

**nssf-profile *nssf\_profile\_name***

Specify name of the NSSF profile.

Must be a string.

**Usage Guidelines**

Use this command to configure the NSSF profile parameters. The CLI prompt changes to the NSSF Profile Configuration mode (config-nssf-profile-<profile\_name>).

## profile nf-client nf-type nssf nssf-profile locality

Configures locality parameter.

**Command Modes**

Exec > Global Configuration (config) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*)

**Syntax Description**

**locality** *locality\_name* [ **priority** *locality\_config\_priority* ]

**locality *locality\_name***

Specify name of the locality.

Must be a string.

**priority *locality\_config\_priority***

Specify the priority of the locality configuration.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the NSSF Profile Locality parameter.

## profile nf-client nf-type nssf nssf-profile locality service name type

Configures the NSSF service name type parameter.

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

**Syntax Description**

**service name type** *service\_name\_type* [ **responsetimeout** *response\_timeout\_interval* ]

**responsetimeout *response\_timeout\_interval***

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type service\_name\_type**

Specify the NSSF service name type.

Must be one of the following:

- **nssf-nselection**

**Usage Guidelines**

Use this command to configure the NSSF service name type parameter. The CLI prompt changes to the Service Name Type Configuration mode (config-type-<service\_name\_type>).

## profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile

Configures endpoint profile parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Syntax Description**

```
endpoint-profile endpoint_profile_name { capacity capacity_value | priority
profile_priority | api-uri-prefix api_uri_prefix | api-root api_root | uri-scheme
uri_scheme }
```

**api-root** *api\_root*

Specify the API root.

Must be a string.

**api-uri-prefix** *api\_uri\_prefix*

Specify the API URI prefix.

Must be a string.

**capacity** *capacity\_value*

Specify the profile capacity.

Must be an integer in the range of 0-65535.

Default Value: 10.

**endpoint-profile** *endpoint\_profile\_name*

Specify name of the endpoint profile.

Must be a string.

**priority** *profile\_priority*

Specify the priority of the profile.

Must be an integer in the range of 0-65535.

Default Value: 1.

**uri-scheme** *uri\_scheme*

Specify the URI scheme.

Must be one of the following:

- **http**: HTTP.
- **https**: HTTPS.

**Usage Guidelines**

Use this command to configure endpoint profile parameters. The CLI prompt changes to the Endpoint Profile Configuration mode (config-endpoint-profile-*<profile\_name>*).

# profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name

Configures the endpoint name parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-smf) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> )

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

**Syntax Description** **endpoint-name** *endpoint\_name* [ **priority** *node\_priority* | **capacity** *node\_capacity* ]

**capacity** *node\_capacity*

Specify the node capacity for the endpoint.

Must be an integer in the range of 0-65535.

**endpoint-name** *endpoint\_name*

Specify name of the endpoint. You can configure the primary, secondary, and tertiary host (IP: Port) within each endpoint for NF server failover handling. The server failover configuration accepts both IPv4 and IPv6 addresses. However, the SMF gives preference to the IPv4 address.

Must be a string.

**priority** *node\_priority*

Specify the node priority for the endpoint.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this configuration to configure the endpoint name parameters. The CLI prompt changes to the Endpoint Name Configuration mode (config-endpoint-name-<endpoint\_name>).

## profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions

Configures the Default Notification Subscription parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)



**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description** **default-notification-subscriptions** name [ **callback-uri** callback\_uri | **n1-message-class** n1\_message\_class | **n2-information-class** n2\_information\_class | **notification-type** notification\_type ]

**callback-uri** *callback\_uri*

Specify the callback URI.

Must be a string.

**n1-message-class** *n1\_message\_class*

Specify the N1 Message Class.

Must be one of the following:

- 5GMM

**n2-information-class** *n2\_information\_class*

Specify the N2 Information Class.

Must be one of the following:

- RAN

**notification-type** *notification\_type*

Specify the notification type.

Must be one of the following:

- DATA\_CHANGE\_NOTIFICATION
- DATA\_REMOVAL\_NOTIFICATION
- LOCATION\_NOTIFICATION
- N1\_MESSAGES
- N2\_INFORMATION

**name**

Specify the name of the default notification subscriptions.

Must be a string.

**Usage Guidelines**

Use this command to configure the Default Notification Subscription parameters. The CLI prompt changes to the Default Notification Subscriptions Configuration mode (config-default-notification-subscriptions-<name>)

## profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name primary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name

Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

# profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name secondary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> )

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6
ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

---

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

---

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name

**profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address**

Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Syntax Description

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

#### **ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

#### **ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

#### **port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

#### Usage Guidelines

Use this command to configure the endpoint IP address and port number parameters.

# profile nf-client nf-type nssf nssf-profile locality service name type endpoint-profile version uri-version

Configures the URI version parameter. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Syntax Description</b>	<b>version uri-version</b> { <i>uri_version</i>   <b>full-version</b> <i>full_version</i> }

## **full-version** *full\_version*

Specify the full version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*

Must be a string.

**uri-version** *uri\_version*

Specify the URI version.

Must be a string in the pattern `v\d`.

**Usage Guidelines** Use this command to configure the URI version parameter.

## profile nf-client nf-type oauthenabled

Configures the AMF ID (**oauthenabled**) to enable the `Nnrf_AccessToken` request to the NRF server, when the `nf-client` is configured.

**Command Modes** Exec > Global Configuration (`config`) > AMF Configuration (`config-amf amf_name`) > NF Profile Name Configuration (`config-nf-profile-nf nf_profile_name`) > NF Profile Type Configuration (`config-nf-type-profile profile_type_name`) > `oauthenabled enabled`

### Syntax Description

```

oauthenabled { true | false }
nf-type-profile nf_type_profile_name
locality locality_name
priority priority_number
service name type service_name type_npcf_am_policy_control
endpoint-profile endpoint_profile_details
capacity capacity_number
uri-scheme http
endpoint-name endpoint_name
priority priority_number
primary ip-address ipv4 ipv4_address
primary ip-address port port_address

```

**oauthenabled**

Enable the OAuth2 client authorization to register the AMF with NRF. The default value is false.

**nf-type-profile** *nf\_type\_profile\_name*

Specify the NF profile name.

**locality** *locality\_name*

Specify the locality.

**priority** *priority\_number*

Specify the priority request. Must be in numbers.

**service name type** *service\_name* *type\_npcf\_am\_policy\_control*

Specify the service name and the type.



**endpoint-profile *endpoint\_profile\_details***

Specify the endpoint profile details.

**capacity *capacity\_number***

Specify the capacity requirement in number.

**uri-scheme *http***

Specify the URI scheme.

**endpoint-name *endpoint\_name***

Specify the endpoint name.

**primary ip-address ipv4 *ipv4\_address***

Specify the primary IPv4 address.

**primary ip-address port *port\_address***

Specify the primary port address.

**Usage Guidelines**

Use this command, when the **oauthenabled** feature is configured, when the AMF sends the `Nnrf_AccessToken` request to the NRF server, when the `nf-client` is configured.

## profile nf-client nf-type pcf pcf-profile

Configures PCF profile parameters.

**Command Modes**

Exec > Global Configuration (config)

**Syntax Description**

**profile nf-client nf-type pcf pcf-profile** *profile\_name*

**pcf-profile *profile\_name***

Specify name of the PCF profile.

Must be a string.

**Usage Guidelines**

Use this command to configure the PCF profile parameters. The CLI prompt changes to the PCF Profile Configuration mode (`config-pcf-profile-<profile_name>`).

## profile nf-client nf-type pcf pcf-profile locality

Configures the PCF profile locality parameter.

**Command Modes**

Exec > Global Configuration (config) > PCF Profile Configuration (`config-psf-profile-profile_name`)

**Syntax Description**

**locality** *locality\_name* [ **priority** *locality\_priority* ]

**profile nf-client nf-type pcf pcf-profile locality service name type**

**locality *locality\_name***

Specify name of the locality.

Must be a string.

**priority *locality\_priority***

Specify priority of the locality configuration.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the PCF profile locality parameter.

## profile nf-client nf-type pcf pcf-profile locality service name type

Configures the PCF service name type parameter.

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

**Syntax Description** **service name type** *service\_name\_type* [ **responsetimeout** *response\_timeout* ]

**responsetimeout *response\_timeout***

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type *service\_name\_type***

Specify the PCF service name parameters.

Must be one of the following:

- **npcf-am-policy-control**
- **npcf-bdtpolicycontrol**
- **npcf-eventexposure**
- **npcf-policyauthorization**
- **npcf-smpolicycontrol**
- **npcf-ue-policy-control**

**Usage Guidelines** Use this command to configure the PCF service name type parameter. The CLI prompt changes to the Service Name Type Configuration mode (config-type-<*service\_name\_type*>).

# profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile

Configures endpoint profile parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Syntax Description</b>	<p><b>endpoint-profile</b> <i>endpoint_profile_name</i> { <b>capacity</b> <i>capacity_value</i>   <b>priority</b> <i>profile_priority</i>   <b>api-uri-prefix</b> <i>api_uri_prefix</i>   <b>api-root</b> <i>api_root</i>   <b>uri-scheme</b> <i>uri_scheme</i> }</p> <p><b>api-root</b> <i>api_root</i></p> <p>Specify the API root.</p>

Must be a string.

**api-uri-prefix** *api\_uri\_prefix*

Specify the API URI prefix.

Must be a string.

**capacity** *capacity\_value*

Specify the profile capacity.

Must be an integer in the range of 0-65535.

Default Value: 10.

**endpoint-profile** *endpoint\_profile\_name*

Specify name of the endpoint profile.

Must be a string.

**priority** *profile\_priority*

Specify the priority of the profile.

Must be an integer in the range of 0-65535.

Default Value: 1.

**uri-scheme** *uri\_scheme*

Specify the URI scheme.

Must be one of the following:

- **http**: HTTP.
- **https**: HTTPS.

**Usage Guidelines** Use this command to configure endpoint profile parameters. The CLI prompt changes to the Endpoint Profile Configuration mode (config-endpoint-profile-<profile\_name>).

## profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name

Configures the endpoint name parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-smf) > UDM Profile Configuration (config-udm-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name)
<b>Syntax Description</b>	<b>endpoint-name</b> <i>endpoint_name</i> [ <b>priority</b> <i>node_priority</i>   <b>capacity</b> <i>node_capacity</i> ]  <b>capacity</b> <i>node_capacity</i> Specify the node capacity for the endpoint. Must be an integer in the range of 0-65535.

**endpoint-name *endpoint\_name***

Specify name of the endpoint. You can configure the primary, secondary, and tertiary host (IP: Port) within each endpoint for NF server failover handling. The server failover configuration accepts both IPv4 and IPv6 addresses. However, the SMF gives preference to the IPv4 address.

Must be a string.

**priority *node\_priority***

Specify the node priority for the endpoint.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this configuration to configure the endpoint name parameters. The CLI prompt changes to the Endpoint Name Configuration mode (config-endpoint-name-<endpoint\_name>).

## profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions

Configures the Default Notification Subscription parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description** **default-notification-subscriptions** *name* [ **callback-uri** *callback\_uri* | **n1-message-class** *n1\_message\_class* | **n2-information-class** *n2\_information\_class* | **notification-type** *notification\_type* ]

**callback-uri** *callback\_uri*

Specify the callback URI.

Must be a string.

**n1-message-class** *n1\_message\_class*

Specify the N1 Message Class.

Must be one of the following:

- 5GMM

**n2-information-class** *n2\_information\_class*

Specify the N2 Information Class.

Must be one of the following:

- RAN

**notification-type** *notification\_type*

Specify the notification type.

Must be one of the following:

- DATA\_CHANGE\_NOTIFICATION
- DATA\_REMOVAL\_NOTIFICATION

**profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name primary ip-address**

- **LOCATION\_NOTIFICATION**
- **N1\_MESSAGES**
- **N2\_INFORMATION**

***name***

Specify the name of the default notification subscriptions.

Must be a string.

**Usage Guidelines**

Use this command to configure the Default Notification Subscription parameters. The CLI prompt changes to the Default Notification Subscriptions Configuration mode (config-default-notification-subscriptions-<name>)

## **profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name primary ip-address**

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)



**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 *ipv4\_address***

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 *ipv6\_address***

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port *port\_number***

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name secondary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name secondary ip-address**

<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile_name) > Locality Configuration (config-locality-locality_name) > Service Name Type Configuration (config-type-service_name_type) > Endpoint Profile Configuration (config-endpoint-profile-profile_name) > Endpoint Name Configuration (config-endpoint-name-endpoint_name)
<b>Syntax Description</b>	<p><b>{ primary   secondary   tertiary } ip-address { [ ipv4 ipv4_address   ipv6 ipv6_address ] [ port port_number ] }</b></p> <p><b>ipv4 ipv4_address</b> Specify the IPv4 address.</p> <p>Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.</p>

**ipv6 *ipv6\_address***

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port *port\_number***

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Syntax Description</b>	<pre>{ <b>primary</b>   <b>secondary</b>   <b>tertiary</b> } <b>ip-address</b> { [ <b>ipv4</b> <i>ipv4_address</i>   <b>ipv6</b> <i>ipv6_address</i> ] [ <b>port</b> <i>port_number</i> ] }</pre> <p><b>ipv4 <i>ipv4_address</i></b> Specify the IPv4 address. Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.</p> <p><b>ipv6 <i>ipv6_address</i></b> Specify the IPv6 address. Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.</p> <p><b>port <i>port_number</i></b> Specify the port number. Must be an integer in the range of 0-65535.</p>
<b>Usage Guidelines</b>	Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile version uri-version

Configures the URI version parameter. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
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<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Syntax Description</b>	<pre><b>version uri-version</b> { <i>uri_version</i>   <b>full-version</b> <i>full_version</i> }</pre> <p><b>full-version</b> <i>full_version</i></p> <p>Specify the full version in the format <i>major-version.minor-version.patch-version.[alpha-draft-number]</i></p> <p>Must be a string.</p> <p><b>uri-version</b> <i>uri_version</i></p> <p>Specify the URI version.</p> <p>Must be a string in the pattern <i>v\d</i>.</p>
<b>Usage Guidelines</b>	Use this command to configure the URI version parameter.

## profile nf-client nf-type sepp sepp-profile

Configures SEPP profile parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile nf-client nf-type sepp sepp-profile** *sepp\_profile\_name*

**sepp-profile** *sepp\_profile\_name*

Specify name of the SEPP profile.

Must be a string.

**Usage Guidelines** Use this command to configure the SEPP profile parameters. The CLI prompt changes to the SEPP Profile Configuration mode (config-sepp-profile-<profile\_name>).

## profile nf-client nf-type sepp sepp-profile locality

Configures the SEPP profile locality parameter.

**Command Modes** Exec > Global Configuration (config) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*)

**Syntax Description** **locality** *locality\_name* [ **priority** *priority* ]

**locality** *locality\_name*

Specify name of the locality.

Must be a string.

**priority** *priority*

Specify the priority of the locality configuration.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the SEPP profile locality parameter.

## profile nf-client nf-type sepp sepp-profile locality service name type

Configures the SEPP service name type parameter.

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

**Syntax Description** **service name type** *service\_name\_type* [ **responsetimeout** *response\_timeout\_interval* ]

**responsetimeout** *response\_timeout\_interval*

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type service\_name\_type**

Specify the SEPP service name type.

Must be one of the following:

- **nsmf-pdusession**

**Usage Guidelines**

Use this command to configure the SEPP service name type parameter. The CLI prompt changes to the Service Name Type Configuration mode (config-type-<service\_name\_type>).

## profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile

Configures endpoint profile parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Syntax Description** **endpoint-profile** *endpoint\_profile\_name* { **capacity** *capacity\_value* | **priority** *profile\_priority* | **api-uri-prefix** *api\_uri\_prefix* | **api-root** *api\_root* | **uri-scheme** *uri\_scheme* }

**api-root** *api\_root*

Specify the API root.

Must be a string.

**api-uri-prefix** *api\_uri\_prefix*

Specify the API URI prefix.

Must be a string.

**capacity** *capacity\_value*

Specify the profile capacity.

Must be an integer in the range of 0-65535.

Default Value: 10.

**endpoint-profile** *endpoint\_profile\_name*

Specify name of the endpoint profile.

Must be a string.

**priority** *profile\_priority*

Specify the priority of the profile.

Must be an integer in the range of 0-65535.

Default Value: 1.

**uri-scheme** *uri\_scheme*

Specify the URI scheme.

Must be one of the following:

- **http**: HTTP.
- **https**: HTTPS.



**Usage Guidelines**

Use this command to configure endpoint profile parameters. The CLI prompt changes to the Endpoint Profile Configuration mode (config-endpoint-profile-<profile\_name>).

# profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name

Configures the endpoint name parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-smf) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Syntax Description</b>	<p><b>endpoint-name</b> <i>endpoint_name</i> [ <b>priority</b> <i>node_priority</i>   <b>capacity</b> <i>node_capacity</i> ]</p> <p><b>capacity</b> <i>node_capacity</i></p> <p>Specify the node capacity for the endpoint. Must be an integer in the range of 0-65535.</p> <p><b>endpoint-name</b> <i>endpoint_name</i></p> <p>Specify name of the endpoint. You can configure the primary, secondary, and tertiary host (IP: Port) within each endpoint for NF server failover handling. The server failover configuration accepts both IPv4 and IPv6 addresses. However, the SMF gives preference to the IPv4 address. Must be a string.</p> <p><b>priority</b> <i>node_priority</i></p> <p>Specify the node priority for the endpoint. Must be an integer in the range of 0-65535.</p>
<b>Usage Guidelines</b>	Use this configuration to configure the endpoint name parameters. The CLI prompt changes to the Endpoint Name Configuration mode (config-endpoint-name- <i>&lt;endpoint_name&gt;</i> ).

## profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions

Configures the Default Notification Subscription parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name

Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description**

**default-notification-subscriptions** name [ **callback-uri** callback\_uri | **n1-message-class** n1\_message\_class | **n2-information-class** n2\_information\_class | **notification-type** notification\_type ]

**callback-uri** callback\_uri

Specify the callback URI.

Must be a string.

**n1-message-class** n1\_message\_class

Specify the N1 Message Class.

Must be one of the following:

- 5GMM

**profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name primary ip-address**

**n2-information-class *n2\_information\_class***

Specify the N2 Information Class.

Must be one of the following:

- RAN

**notification-type *notification\_type***

Specify the notification type.

Must be one of the following:

- DATA\_CHANGE\_NOTIFICATION
- DATA\_REMOVAL\_NOTIFICATION
- LOCATION\_NOTIFICATION
- N1\_MESSAGES
- N2\_INFORMATION

***name***

Specify the name of the default notification subscriptions.

Must be a string.

**Usage Guidelines**

Use this command to configure the Default Notification Subscription parameters. The CLI prompt changes to the Default Notification Subscriptions Configuration mode (config-default-notification-subscriptions-<name>)

## **profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name primary ip-address**

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description** { **primary** | **secondary** | **tertiary** } **ip-address** { [ **ipv4** *ipv4\_address* | **ipv6** *ipv6\_address* ] [ **port** *port\_number* ] }

**ipv4 *ipv4\_address***

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 *ipv6\_address***

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port *port\_number***

Specify the port number.

Must be an integer in the range of 0-65535.

**profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name secondary ip-address**

**Usage Guidelines** Use this command to configure the endpoint IP address and port number parameters.

## **profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name secondary ip-address**

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-CHF) > CHF Profile Configuration (config-CHF-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 *ipv4\_address***

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 *ipv6\_address***

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port *port\_number***

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Syntax Description</b>	<p><b>{ primary   secondary   tertiary } ip-address { [ ipv4 <i>ipv4_address</i>   ipv6 <i>ipv6_address</i> ] [ port <i>port_number</i> ] }</b></p> <p><b>ipv4 <i>ipv4_address</i></b> Specify the IPv4 address. Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.</p> <p><b>ipv6 <i>ipv6_address</i></b> Specify the IPv6 address. Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.</p> <p><b>port <i>port_number</i></b> Specify the port number. Must be an integer in the range of 0-65535.</p>



**Usage Guidelines** Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type sepp sepp-profile locality service name type endpoint-profile version uri-version

Configures the URI version parameter. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Syntax Description** **version uri-version** { *uri\_version* | **full-version** *full\_version* }

**full-version** *full\_version*

Specify the full version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*

Must be a string.

**uri-version** *uri\_version*

Specify the URI version.

Must be a string in the pattern v\d.

**Usage Guidelines** Use this command to configure the URI version parameter.

## profile nf-client nf-type smf smf-profile

Configures SMF profile parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile nf-client nf-type smf smf-profile** *smf\_profile\_name*

**smf-profile** *smf\_profile\_name*

Specify name of the SMF profile.

Must be a string.

**Usage Guidelines** Use this command to configure the SMF profile parameters. The CLI prompt changes to the SMF Profile Configuration mode (config-smf-profile-<profile\_name>).

## profile nf-client nf-type smf smf-profile locality

Configures the SMF profile locality parameter.

**Command Modes** Exec > Global Configuration (config) > SMF Profile Configuration (config-smf-profile-*profile\_name*)

**Syntax Description** **locality** *locality\_name* [ **priority** *priority* ]

**locality** *locality\_name*

Specify name of the locality.

Must be a string.

**priority** *priority*

Specify the priority of the locality configuration.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the SMF profile locality parameter.

## profile nf-client nf-type smf smf-profile locality service name type

Configures the SMF service name type parameter.

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

**Syntax Description** **service name type** *smf\_service\_name\_type* [ **responsetimeout** *response\_timeout* ]

### **responsetimeout** *response\_timeout*

Specify the timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

### **type** *smf\_service\_name\_type*

Specify the service name type.

Must be one of the following:

- **nsmf-pdusession**

**Usage Guidelines** Use this command to configure the SMF service name type parameter. The CLI prompt changes to the Service Name Type Configuration mode (config-type-<*service\_name\_type*>).

## profile nf-client nf-type smf smf-profile locality service name type endpoint-profile

Configures endpoint profile parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> )
<b>Syntax Description</b>	<p><b>endpoint-profile</b> <i>endpoint_profile_name</i> { <b>capacity</b> <i>capacity_value</i>   <b>priority</b> <i>profile_priority</i>   <b>api-uri-prefix</b> <i>api_uri_prefix</i>   <b>api-root</b> <i>api_root</i>   <b>uri-scheme</b> <i>uri_scheme</i> }</p> <p><b>api-root</b> <i>api_root</i> Specify the API root. Must be a string.</p> <p><b>api-uri-prefix</b> <i>api_uri_prefix</i> Specify the API URI prefix. Must be a string.</p> <p><b>capacity</b> <i>capacity_value</i> Specify the profile capacity. Must be an integer in the range of 0-65535. Default Value: 10.</p> <p><b>endpoint-profile</b> <i>endpoint_profile_name</i> Specify name of the endpoint profile. Must be a string.</p>

**priority** *profile\_priority*

Specify the priority of the profile.

Must be an integer in the range of 0-65535.

Default Value: 1.

**uri-scheme** *uri\_scheme*

Specify the URI scheme.

Must be one of the following:

- **http**: HTTP.
- **https**: HTTPS.

**Usage Guidelines**

Use this command to configure endpoint profile parameters. The CLI prompt changes to the Endpoint Profile Configuration mode (`config-endpoint-profile-<profile_name>`).

## profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name

Configures the endpoint name parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (`config`) > AMF NF-Client Configuration (`config-amf`) > AMF Profile Configuration (`config-amf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > AUSF NF-Client Configuration (`config-ausf`) > AUSF Profile Configuration (`config-ausf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > CHF NF-Client Configuration (`config-chf`) > CHF Profile Configuration (`config-chf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > EIR NF-Client Configuration (`config-eir`) > EIR Profile Configuration (`config-eir-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

**Command Modes**

Exec > Global Configuration (`config`) > NSSF NF-Client Configuration (`config-nssf`) > NSSF Profile Configuration (`config-nssf-profile-profile_name`) > Locality Configuration (`config-locality-locality_name`) > Service Name Type Configuration (`config-type-service_name_type`) > Endpoint Profile Configuration (`config-endpoint-profile-profile_name`)

<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-smf) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Syntax Description</b>	<p><b>endpoint-name</b> <i>endpoint_name</i> [ <b>priority</b> <i>node_priority</i>   <b>capacity</b> <i>node_capacity</i> ]</p> <p><b>capacity</b> <i>node_capacity</i></p> <p>Specify the node capacity for the endpoint. Must be an integer in the range of 0-65535.</p> <p><b>endpoint-name</b> <i>endpoint_name</i></p> <p>Specify name of the endpoint. You can configure the primary, secondary, and tertiary host (IP: Port) within each endpoint for NF server failover handling. The server failover configuration accepts both IPv4 and IPv6 addresses. However, the SMF gives preference to the IPv4 address. Must be a string.</p> <p><b>priority</b> <i>node_priority</i></p> <p>Specify the node priority for the endpoint. Must be an integer in the range of 0-65535.</p>
<b>Usage Guidelines</b>	Use this configuration to configure the endpoint name parameters. The CLI prompt changes to the Endpoint Name Configuration mode (config-endpoint-name-< <i>endpoint_name</i> >).

# profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions

Configures the Default Notification Subscription parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description**

**default-notification-subscriptions** *name* [ **callback-uri** *callback\_uri* | **n1-message-class** *n1\_message\_class* | **n2-information-class** *n2\_information\_class* | **notification-type** *notification\_type* ]

**callback-uri** *callback\_uri*

Specify the callback URI.

Must be a string.

**n1-message-class** *n1\_message\_class*

Specify the N1 Message Class.

Must be one of the following:

- 5GMM

**n2-information-class** *n2\_information\_class*

Specify the N2 Information Class.

Must be one of the following:

- RAN

**notification-type** *notification\_type*

Specify the notification type.

Must be one of the following:

- DATA\_CHANGE\_NOTIFICATION
- DATA\_REMOVAL\_NOTIFICATION
- LOCATION\_NOTIFICATION
- N1\_MESSAGES
- N2\_INFORMATION

**name**

Specify the name of the default notification subscriptions.

Must be a string.

**Usage Guidelines**

Use this command to configure the Default Notification Subscription parameters. The CLI prompt changes to the Default Notification Subscriptions Configuration mode (config-default-notification-subscriptions-<name>)



# profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name primary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> )

**profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name secondary ip-address**

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description** { **primary** | **secondary** | **tertiary** } **ip-address** { [ **ipv4** ipv4\_address | **ipv6** ipv6\_address ] [ **port** port\_number ] }

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the endpoint IP address and port number parameters.

## **profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name secondary ip-address**

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name

Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

# profile nf-client nf-type smf smf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> )

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6
ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

---

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type smf smf-profile locality service name type endpoint-profile version uri-version

Configures the URI version parameter. This command is common to multiple NF clients, and is available in the following configuration modes.

---

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

---

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

---

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

---

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Syntax Description</b>	<pre><b>version uri-version</b> { <i>uri_version</i>   <b>full-version</b> <i>full_version</i> }</pre> <p><b>full-version</b> <i>full_version</i></p> <p>Specify the full version in the format <i>major-version.minor-version.patch-version.[alpha-draft-number]</i></p> <p>Must be a string.</p> <p><b>uri-version</b> <i>uri_version</i></p> <p>Specify the URI version.</p> <p>Must be a string in the pattern v\d.</p>
<b>Usage Guidelines</b>	Use this command to configure the URI version parameter.

## profile nf-client nf-type udm udm-profile

Configures UDM profile parameters.

<b>Command Modes</b>	Exec > Global Configuration (config)
<b>Syntax Description</b>	<pre><b>profile nf-client nf-type udm udm-profile</b> <i>udm_profile_name</i></pre> <p><b>udm-profile</b> <i>udm_profile_name</i></p> <p>Specify name of the UDM profile.</p> <p>Must be a string.</p>
<b>Usage Guidelines</b>	Use this command to configure the UDM profile parameters. The CLI prompt changes to the UDM Profile Configuration mode (config-udm-profile-<profile_name>).

## profile nf-client nf-type udm udm-profile locality

Configures the UDM profile locality parameters.

**Command Modes** Exec > Global Configuration (config) > UDM Profile Configuration (config-udm-profile-*profile\_name*)

**Syntax Description** **locality** *locality\_name* [ **priority** *priority* ]

**locality** *locality\_name*

Specify name of the locality.

Must be a string.

**priority** *priority*

This keyword sets the priority for the locality configuration.

Must be an integer in the range of 0-65535.

**Usage Guidelines** Use this command to configure the UDM profile locality parameter.

## profile nf-client nf-type udm udm-profile locality service name type

Configures the UDM service name type parameter.

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*)

**Syntax Description** **service name type** *service\_name\_type* [ **responsetimeout** *response\_timeout* ]

**responsetimeout** *response\_timeout*

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type** *service\_name\_type*

Specify the UDM service name type.

Must be one of the following:

- **nudm-ee**
- **nudm-pp**
- **nudm-sdm**

- **nudm-ueau**
- **nudm-uecm**

**Usage Guidelines**

Use this command to configure the UDM service name type parameter. The CLI prompt changes to the Service Name Type Configuration mode (config-type-<service\_name\_type>).

## profile nf-client nf-type udm udm-profile locality service name type endpoint-profile

Configures endpoint profile parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*)



---

**Syntax Description**

```
endpoint-profile endpoint_profile_name { capacity capacity_value | priority
profile_priority | api-uri-prefix api_uri_prefix | api-root api_root | uri-scheme
uri_scheme }
```

**api-root** *api\_root*

Specify the API root.

Must be a string.

**api-uri-prefix** *api\_uri\_prefix*

Specify the API URI prefix.

Must be a string.

**capacity** *capacity\_value*

Specify the profile capacity.

Must be an integer in the range of 0-65535.

Default Value: 10.

**endpoint-profile** *endpoint\_profile\_name*

Specify name of the endpoint profile.

Must be a string.

**priority** *profile\_priority*

Specify the priority of the profile.

Must be an integer in the range of 0-65535.

Default Value: 1.

**uri-scheme** *uri\_scheme*

Specify the URI scheme.

Must be one of the following:

- **http**: HTTP.
- **https**: HTTPS.

---

**Usage Guidelines**

Use this command to configure endpoint profile parameters. The CLI prompt changes to the Endpoint Profile Configuration mode (config-endpoint-profile-<profile\_name>).

# profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name

Configures the endpoint name parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-smf) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> )

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name)

---

**Syntax Description**

**endpoint-name** *endpoint\_name* [ **priority** *node\_priority* | **capacity** *node\_capacity* ]

**capacity** *node\_capacity*

Specify the node capacity for the endpoint.

Must be an integer in the range of 0-65535.

**endpoint-name** *endpoint\_name*

Specify name of the endpoint. You can configure the primary, secondary, and tertiary host (IP: Port) within each endpoint for NF server failover handling. The server failover configuration accepts both IPv4 and IPv6 addresses. However, the SMF gives preference to the IPv4 address.

Must be a string.

**priority** *node\_priority*

Specify the node priority for the endpoint.

Must be an integer in the range of 0-65535.

---

**Usage Guidelines**

Use this configuration to configure the endpoint name parameters. The CLI prompt changes to the Endpoint Name Configuration mode (config-endpoint-name-<endpoint\_name>).

## profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name default-notification-subscriptions

Configures the Default Notification Subscription parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

---

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

---

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Syntax Description** **default-notification-subscriptions** *name* [ **callback-uri** *callback\_uri* | **n1-message-class** *n1\_message\_class* | **n2-information-class** *n2\_information\_class* | **notification-type** *notification\_type* ]

**callback-uri** *callback\_uri*

Specify the callback URI.

Must be a string.

**n1-message-class** *n1\_message\_class*

Specify the N1 Message Class.

Must be one of the following:

- 5GMM

**n2-information-class** *n2\_information\_class*

Specify the N2 Information Class.

Must be one of the following:

- RAN

**notification-type** *notification\_type*

Specify the notification type.

Must be one of the following:

- DATA\_CHANGE\_NOTIFICATION
- DATA\_REMOVAL\_NOTIFICATION
- LOCATION\_NOTIFICATION
- N1\_MESSAGES
- N2\_INFORMATION

**name**

Specify the name of the default notification subscriptions.

Must be a string.

**Usage Guidelines**

Use this command to configure the Default Notification Subscription parameters. The CLI prompt changes to the Default Notification Subscriptions Configuration mode (config-default-notification-subscriptions-<name>)

## profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name primary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name Type Configuration (config-type-*service\_name\_type*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*) > Endpoint Name Configuration (config-endpoint-name-*endpoint\_name*)

**Command Modes**

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Service Name

**profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name primary ip-address**

Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Command Modes

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

#### Syntax Description

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

##### **ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

##### **ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

##### **port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

#### Usage Guidelines

Use this command to configure the endpoint IP address and port number parameters.

# profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name secondary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> ) > Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Endpoint Profile Configuration (config-endpoint-profile- <i>profile_name</i> ) > Endpoint Name Configuration (config-endpoint-name- <i>endpoint_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile- <i>profile_name</i> ) > Locality Configuration (config-locality- <i>locality_name</i> )

**profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name tertiary ip-address**

> Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

### Syntax Description

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6
ipv6_address ] [ port port_number ] }
```

#### **ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

#### **ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

#### **port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

### Usage Guidelines

Use this command to configure the endpoint IP address and port number parameters.

## profile nf-client nf-type udm udm-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the endpoint IP address and port number parameters. This command is common to multiple NF clients, and is available in the following configuration modes.

### Command Modes

Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

### Command Modes

Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

### Command Modes

Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

### Command Modes

Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name



Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration  
(config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-profile\_name) > Locality Configuration (config-locality-locality\_name) > Service Name Type Configuration (config-type-service\_name\_type) > Endpoint Profile Configuration (config-endpoint-profile-profile\_name) > Endpoint Name Configuration (config-endpoint-name-endpoint\_name)

**Syntax Description**

```
{ primary | secondary | tertiary } ip-address { [ ipv4 ipv4_address | ipv6 ipv6_address ] [ port port_number ] }
```

**ipv4 ipv4\_address**

Specify the IPv4 address.

Must be a string in the ipv4-address pattern. For information on the ipv4-address pattern, see the Input Pattern Types section.

**ipv6 ipv6\_address**

Specify the IPv6 address.

Must be a string in the ipv6-address pattern. For information on the ipv6-address pattern, see the Input Pattern Types section.

**port port\_number**

Specify the port number.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the endpoint IP address and port number parameters.

# profile nf-client nf-type udm udm-profile locality service name type endpoint-profile version uri-version

Configures the URI version parameter. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > AMF Profile Configuration (config-amf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > AUSF NF-Client Configuration (config-ausf) > AUSF Profile Configuration (config-ausf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > CHF Profile Configuration (config-chf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > EIR Profile Configuration (config-eir-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > NSSF Profile Configuration (config-nssf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > PCF Profile Configuration (config-pcf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > SEPP Profile Configuration (config-sepp-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > SMF Profile Configuration (config-smf-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > UDM Profile Configuration (config-udm-profile-*profile\_name*) > Locality Configuration (config-locality-*locality\_name*) > Endpoint Profile Configuration (config-endpoint-profile-*profile\_name*)

**Syntax Description** **version uri-version** { *uri\_version* | **full-version** *full\_version* }

## **full-version** *full\_version*

Specify the full version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*

Must be a string.

**uri-version** *uri\_version*

Specify the URI version.

Must be a string in the pattern v\d.

**Usage Guidelines** Use this command to configure the URI version parameter.

## profile nf-client-failure nf-type amf

Configures the AMF Profile Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile nf-client-failure nf-type amf**

**Usage Guidelines** Use this command to configure the AMF Profile Failure Handling parameters. The CLI prompt changes to the AMF Configuration mode (config-amf).

## profile nf-client-failure nf-type amf profile failure-handling

Configures the AMF Failure Handling Template parameters.

**Command Modes** Exec > Global Configuration (config) > AMF NF Client Failure Configuration (config-amf)

**Syntax Description** **profile failure-handling** *fh\_template\_name*

**failure-handling** *fh\_template\_name*

Specify name of the AMF failure handling template.

Must be a string.

**Usage Guidelines** Use this command to configure the AMF Failure Handling Template parameters. The CLI prompt changes to the Failure Handling <profile\_name> Configuration (config-failure-handling-<profile\_name>).

## profile nf-client-failure nf-type amf profile failure-handling service name type

Configures the AMF Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config) > AMF NF-Client Configuration (config-amf) > Failure Handling Profile Configuration (config-failure-handling-*profile\_name*)

**Syntax Description** **service name type** *amf\_service\_name\_type* [ **responsetimeout** *response\_timeout* ]

**responsetimeout *response\_timeout***

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type *amf\_service\_name\_type***

Specify the AMF service name type.

Must be one of the following:

- **namf-comm**
- **namf-evts**
- **namf-loc**
- **namf-mt**

**Usage Guidelines**

Use this command to configure AMF Failure Handling parameters. The CLI prompt changes to the Failure Handling Service Name Type Configuration mode (config-type-<service\_name\_type>)

## profile nf-client-failure nf-type amf profile failure-handling service name type message type

Configures the AMF message type parameters.

**Command Modes**

Exec > Global Configuration (config) > AMF NF Client Configuration (config-amf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type)

**Syntax Description**

**message type** *amf\_message\_type*

**type *amf\_message\_type***

Specify the AMF message type.

Must be one of the following:

- **AmfCommCreateUeContext**
- **AmfCommEBIAssignment**
- **AmfCommN1N2MessageTransfer**
- **AmfCommSMStatusChangeNotify**
- **AmfCommUeContextTransfer**
- **AmfCommUeContextTransferUpdate**
- **AmfN1MessageNotifyClient**

**Usage Guidelines** Use this command to configure the AMF message type parameters.

## profile nf-client-failure nf-type amf profile failure-handling service name type message type status-code httpv2

Configures HTTPv2 status codes. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF Client Configuration (config-amf) > Failure Handling Configuration (config-failure-handling- <i>profile_name</i> ) > Failure Handling Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Failure Handling Message Type Configuration (config-type- <i>message_type_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF Client Configuration (config-ausf) > Failure Handling Configuration (config-failure-handling- <i>profile_name</i> ) > Failure Handling Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Failure Handling Message Type Configuration (config-type- <i>message_type_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF Client Configuration (config-chf) > Failure Handling Configuration (config-failure-handling- <i>profile_name</i> ) > Failure Handling Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Failure Handling Message Type Configuration (config-type- <i>message_type_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF Client Configuration (config-eir) > Failure Handling Configuration (config-failure-handling- <i>profile_name</i> ) > Failure Handling Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Failure Handling Message Type Configuration (config-type- <i>message_type_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NRF NF Client Configuration (config-nrf) > Failure Handling Configuration (config-failure-handling- <i>profile_name</i> ) > Failure Handling Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Failure Handling Message Type Configuration (config-type- <i>message_type_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF Client Configuration (config-nssf) > Failure Handling Configuration (config-failure-handling- <i>profile_name</i> ) > Failure Handling Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Failure Handling Message Type Configuration (config-type- <i>message_type_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF Client Configuration (config-pcf) > Failure Handling Configuration (config-failure-handling- <i>profile_name</i> ) > Failure Handling Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Failure Handling Message Type Configuration (config-type- <i>message_type_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF Client Configuration (config-sepp) > Failure Handling Configuration (config-failure-handling- <i>profile_name</i> ) > Failure Handling Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Failure Handling Message Type Configuration (config-type- <i>message_type_name</i> )

**Command Modes** Exec > Global Configuration (config) > SMF NF Client Configuration (config-smf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > UDM NF Client Configuration (config-udm) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Syntax Description** **status-code httpv2** { **range** range | range } { **action** action | **retransmit** retransmit | **retransmit-interval** retransmit\_interval | **retry** retry\_value }

**action action**

Specify the action.

Must be one of the following:

- **continue**: Specify to continue the session without any retry. The retry count configuration is invalid with this action.
- **retry-and-continue**: Specify to retry as per the configured retry count and continue the session.
- **retry-and-ignore**: Specify to retry as per the configured retry count and ignore the session in case all retry fails.
- **retry-and-terminate**: Specify to retry as per the configured retry count and terminate the session in case all retry fails.
- **terminate**: Specify to terminate the session without any retry. Retry count configuration is invalid with this action.

**code code\_value**

Specify the code, or a range of status codes separated by either - (hyphen) or , (comma).

Must be an integer.

-Or-

Must be a string.

**retransmit-interval retransmit\_interval**

Specify the retransmit interval in milliseconds.

Must be an integer.

**retransmit retransmit**

Specify the retransmit value.

Must be an integer in the range of 1-10.

**retry *retry\_value***

Specify the number of times the NF service must retry before proceeding with the action.

Must be an integer in the range of 1-10.

**Usage Guidelines** Use this command to configure HTTPv2 status codes.

## profile nf-client-failure nf-type ausf

Configures AUSF Profile Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile nf-client-failure nf-type ausf**

**Usage Guidelines** Use this command to configure AUSF Profile Failure Handling parameters. The CLI prompt changes to the AUSF Configuration mode (config-ausf).

## profile nf-client-failure nf-type ausf profile failure-handling

Configures the AUSF Failure Handling Template parameters.

**Command Modes** Exec > Global Configuration (config) > AUSF NF Client Failure Configuration (config-ausf)

**Syntax Description** **profile failure-handling *fh\_template\_name***

**failure-handling *fh\_template\_name***

Specify name of the AUSF failure handling template.

Must be a string.

**Usage Guidelines** Use this command to configure the AUSF Failure Handling Template parameters. The CLI prompt changes to the Failure Handling Profile Configuration mode (config-failure-handling-<profile\_name>).

## profile nf-client-failure nf-type ausf profile failure-handling service name type

Configures the AUSF Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config) > AUSF Configuration (config-ausf) > Failure Handling Profile Configuration (config-failure-handling-*profile\_name*)

**Syntax Description** **service name type *ausf\_service\_name\_type* [ responsetimeout *response\_timeout* ]**

**responsetimeout *response\_timeout***

Specify the response timeout.

Must be an integer.

Default Value: 2000.

**type *ausf\_service\_name\_type***

Specify the AUSF service name type.

Must be one of the following:

- **nausf-auth**

**Usage Guidelines** Use this command to configure the AUSF Failure Handling parameters.

## profile nf-client-failure nf-type ausf profile failure-handling service name type message type

Configures the AUSF message type parameters.

**Command Modes** Exec > Global Configuration (config) > AUSF NF Client Configuration (config-ausf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type)

**Syntax Description** **message type** *ausf\_message\_type*

**type *ausf\_message\_type***

Specify the AUSF message type.

Must be one of the following:

- **AusfAuthenticationCfm**
- **AusfAuthenticationReq**

**Usage Guidelines** Use this command to configure the AUSF message type parameters.

## profile nf-client-failure nf-type ausf profile failure-handling service name type message type status-code httpv2

Configures HTTPv2 status codes. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF Client Configuration (config-amf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration



(config-type-service\_name\_type) > Failure Handling Message Type Configuration  
 (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > AUSF NF Client Configuration (config-ausf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > CHF NF Client Configuration (config-chf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > EIR NF Client Configuration (config-eir) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > NRF NF Client Configuration (config-nrf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF Client Configuration (config-nssf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF Client Configuration (config-pcf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF Client Configuration (config-sepp) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF Client Configuration (config-smf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF Client Configuration (config-udm) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Syntax Description**

**status-code httpv2** { **range** range | range } { **action** action | **retransmit** retransmit | **retransmit-interval** retransmit\_interval | **retry** retry\_value }

**action *action***

Specify the action.

Must be one of the following:

- **continue**: Specify to continue the session without any retry. The retry count configuration is invalid with this action.
- **retry-and-continue**: Specify to retry as per the configured retry count and continue the session.
- **retry-and-ignore**: Specify to retry as per the configured retry count and ignore the session in case all retry fails.
- **retry-and-terminate**: Specify to retry as per the configured retry count and terminate the session in case all retry fails.
- **terminate**: Specify to terminate the session without any retry. Retry count configuration is invalid with this action.

**code *code\_value***

Specify the code, or a range of status codes separated by either - (hyphen) or , (comma).

Must be an integer.

-Or-

Must be a string.

**retransmit-interval *retransmit\_interval***

Specify the retransmit interval in milliseconds.

Must be an integer.

**retransmit *retransmit***

Specify the retransmit value.

Must be an integer in the range of 1-10.

**retry *retry\_value***

Specify the number of times the NF service must retry before proceeding with the action.

Must be an integer in the range of 1-10.

---

**Usage Guidelines**

Use this command to configure HTTPv2 status codes.

## profile nf-client-failure nf-type chf

Configures CHF Profile Failure Handling parameters.

---

**Command Modes**

Exec > Global Configuration (config)

**Syntax Description** `profile nf-client-failure nf-type chf`

**Usage Guidelines** Use this command to configure CHF Profile Failure Handling parameters. The CLI prompt changes to the CHF NF Client Configuration mode (config-chf).

## profile nf-client-failure nf-type chf profile failure-handling

Configures the CHF Failure Handling Template parameters.

**Command Modes** Exec > Global Configuration (config) > CHF NF Client Failure Configuration (config-chf)

**Syntax Description** `profile failure-handling fh_template_name`

**failure-handling fh\_template\_name**

Specify name of the CHF failure handling template.

Must be a string.

**Usage Guidelines** Use this command to configure the CHF Failure Handling Template for CHF profile.

## profile nf-client-failure nf-type chf profile failure-handling service name type

Configures the CHF Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config) > CHF NF-Client Configuration (config-chf) > Failure Handling Profile Configuration (config-failure-handling-profile\_name)

**Syntax Description** `service name type chf_service_name_type [ responsetimeout response_timeout ]`

**responsetimeout response\_timeout**

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type chf\_service\_name\_type**

Specify the CHF service name type.

Must be one of the following:

- **nchf-convergedcharging**
- **nchf-spendinglimitcontrol**

**Usage Guidelines** Use this command to configure the CHF Failure Handling parameters.

## profile nf-client-failure nf-type chf profile failure-handling service name type message type

Configures the CHF message type parameters.

**Command Modes** Exec > Global Configuration (config) > CHF NF Client Configuration (config-chf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*)

**Syntax Description** **message type** *chf\_message\_type*

**type** *chf\_message\_type*

Specify the CHF message type.

Must be one of the following:

- ChfConvergedchargingCreate
- ChfConvergedchargingDelete
- ChfConvergedchargingUpdate
- ChfSpendingLimitContolSubscribe
- ChfSpendingLimitContolUnSubscribe

**Usage Guidelines** Use this command to configure the CHF message type parameters.

## profile nf-client-failure nf-type chf profile failure-handling service name type message type status-code httpv2

Configures HTTPv2 status codes. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF Client Configuration (config-amf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*) > Failure Handling Message Type Configuration (config-type-*message\_type\_name*)

**Command Modes** Exec > Global Configuration (config) > AUSF NF Client Configuration (config-ausf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*) > Failure Handling Message Type Configuration (config-type-*message\_type\_name*)

**Command Modes** Exec > Global Configuration (config) > CHF NF Client Configuration (config-chf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration

(config-type-service\_name\_type) > Failure Handling Message Type Configuration  
(config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > EIR NF Client Configuration (config-eir) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > NRF NF Client Configuration (config-nrf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF Client Configuration (config-nssf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF Client Configuration (config-pcf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF Client Configuration (config-sepp) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF Client Configuration (config-smf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF Client Configuration (config-udm) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Syntax Description**

```
status-code httpv2 { range range | range } { action action | retransmit retransmit
| retransmit-interval retransmit_interval | retry retry_value }
```

**action action**

Specify the action.

Must be one of the following:

- **continue**: Specify to continue the session without any retry. The retry count configuration is invalid with this action.
- **retry-and-continue**: Specify to retry as per the configured retry count and continue the session.

- **retry-and-ignore**: Specify to retry as per the configured retry count and ignore the session in case all retry fails.
- **retry-and-terminate**: Specify to retry as per the configured retry count and terminate the session in case all retry fails.
- **terminate**: Specify to terminate the session without any retry. Retry count configuration is invalid with this action.

**code** *code\_value*

Specify the code, or a range of status codes separated by either - (hyphen) or , (comma).

Must be an integer.

-Or-

Must be a string.

**retransmit-interval** *retransmit\_interval*

Specify the retransmit interval in milliseconds.

Must be an integer.

**retransmit** *retransmit*

Specify the retransmit value.

Must be an integer in the range of 1-10.

**retry** *retry\_value*

Specify the number of times the NF service must retry before proceeding with the action.

Must be an integer in the range of 1-10.

**Usage Guidelines** Use this command to configure HTTPv2 status codes.

## profile nf-client-failure nf-type eir

Configures EIR Profile Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `profile nf-client-failure nf-type eir`

**Usage Guidelines** Use this command to configure EIR Profile Failure Handling parameters. The CLI prompt changes to the EIR Configuration mode (config-eir).

## profile nf-client-failure nf-type eir profile failure-handling

Configures the EIR Failure Handling Template parameters.

**Command Modes** Exec > Global Configuration (config) > EIR NF Client Failure Configuration (config-eir)

**Syntax Description** **profile failure-handling** *fh\_template\_name*

**failure-handling** *fh\_template\_name*

Specify name of the EIR failure handling template.

Must be a string.

**Usage Guidelines** Use this command to configure the EIR Failure Handling Template parameters.

## profile nf-client-failure nf-type eir profile failure-handling service name type

Configures the EIR Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config) > EIR NF-Client Configuration (config-eir) > Failure Handling Profile Configuration (config-failure-handling-profile\_name)

**Syntax Description** **service name type** *amf\_service\_name\_type* [ **responsetimeout** *response\_timeout* ]

**responsetimeout** *response\_timeout*

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type** *eir\_service\_name\_type*

Specify the EIR service name type.

Must be one of the following:

- **n5g-eir-eic**

**Usage Guidelines** Use this command to configure the EIR Failure Handling parameters.

## profile nf-client-failure nf-type eir profile failure-handling service name type message type

Specify the EIR message type parameters.

**Command Modes** Exec > Global Configuration (config) > EIR Configuration (config-eir) > Failure Handling *profile\_name* Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type)

**profile nf-client-failure nf-type eir profile failure-handling service name type message type status-code httpv2**

**Syntax Description**    **message type** *eir\_message\_type*

**type** *eir\_message\_type*

Specify the EIR message type.

Must be one of the following:

- **EirCheckEquipmentIdentity**

**Usage Guidelines**    Use this command to configure the EIR message type parameters.

## profile nf-client-failure nf-type eir profile failure-handling service name type message type status-code httpv2

Configures HTTPv2 status codes. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes**    Exec > Global Configuration (config) > AMF NF Client Configuration (config-amf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*) > Failure Handling Message Type Configuration (config-type-*message\_type\_name*)

**Command Modes**    Exec > Global Configuration (config) > AUSF NF Client Configuration (config-ausf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*) > Failure Handling Message Type Configuration (config-type-*message\_type\_name*)

**Command Modes**    Exec > Global Configuration (config) > CHF NF Client Configuration (config-chf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*) > Failure Handling Message Type Configuration (config-type-*message\_type\_name*)

**Command Modes**    Exec > Global Configuration (config) > EIR NF Client Configuration (config-eir) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*) > Failure Handling Message Type Configuration (config-type-*message\_type\_name*)

**Command Modes**    Exec > Global Configuration (config) > NRF NF Client Configuration (config-nrf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*) > Failure Handling Message Type Configuration (config-type-*message\_type\_name*)

**Command Modes**    Exec > Global Configuration (config) > NSSF NF Client Configuration (config-nssf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*) > Failure Handling Message Type Configuration (config-type-*message\_type\_name*)



<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF Client Configuration (config-pcf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF Client Configuration (config-sepp) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF Client Configuration (config-smf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF Client Configuration (config-udm) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Syntax Description</b>	<p><b>status-code httpv2</b> { <b>range</b> range   range } { <b>action</b> action   <b>retransmit</b> retransmit   <b>retransmit-interval</b> retransmit_interval   <b>retry</b> retry_value }</p> <p><b>action action</b></p> <p>Specify the action.</p> <p>Must be one of the following:</p> <ul style="list-style-type: none"> <li>• <b>continue</b>: Specify to continue the session without any retry. The retry count configuration is invalid with this action.</li> <li>• <b>retry-and-continue</b>: Specify to retry as per the configured retry count and continue the session.</li> <li>• <b>retry-and-ignore</b>: Specify to retry as per the configured retry count and ignore the session in case all retry fails.</li> <li>• <b>retry-and-terminate</b>: Specify to retry as per the configured retry count and terminate the session in case all retry fails.</li> <li>• <b>terminate</b>: Specify to terminate the session without any retry. Retry count configuration is invalid with this action.</li> </ul> <p><b>code code_value</b></p> <p>Specify the code, or a range of status codes separated by either - (hyphen) or , (comma).</p> <p>Must be an integer.</p> <p>-Or-</p> <p>Must be a string.</p>

**retransmit-interval** *retransmit\_interval*

Specify the retransmit interval in milliseconds.

Must be an integer.

**retransmit** *retransmit*

Specify the retransmit value.

Must be an integer in the range of 1-10.

**retry** *retry\_value*

Specify the number of times the NF service must retry before proceeding with the action.

Must be an integer in the range of 1-10.

---

**Usage Guidelines** Use this command to configure HTTPv2 status codes.

## profile nf-client-failure nf-type nrf

Configures the NRF Profile Failure Handling parameters.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** **profile nf-client-failure nf-type nrf**

---

**Usage Guidelines** Use this command to configure NRF Profile Failure Handling parameters. The CLI prompt changes to the NRF Configuration mode (config-nrf).

## profile nf-client-failure nf-type nrf profile failure-handling

Configures the NRF Failure Handling Template parameters.

---

**Command Modes** Exec > Global Configuration (config) > NRF NF Client Failure Configuration (config-nrf)

---

**Syntax Description** **profile failure-handling** *fh\_template\_name*

**failure-handling** *fh\_template\_name*

Specify name of the NRF failure handling template.

Must be a string.

---

**Usage Guidelines** Use this command to configure the NRF Failure Handling Template parameters.

## profile nf-client-failure nf-type nrf profile failure-handling service name type

Configures NRF Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config) > NRF NF-Client Configuration (config-nrf) > Failure Handling Profile Configuration (config-failure-handling-*profile\_name*)

**Syntax Description** **service name type** *nrf\_service\_name\_type* [ **responsetimeout** *response\_timeout* ]

**responsetimeout** *response\_timeout*

Specify the timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**nrf\_service\_name\_type**

Specify the NRF service name type.

Must be one of the following:

- **nrf-nfm**

**Usage Guidelines** Use this command to configure the NRF Failure Handling parameters.

## profile nf-client-failure nf-type nrf profile failure-handling service name type message type

Configures NRF message type parameters.

**Command Modes** Exec > Global Configuration (config) > NRF NF Client Configuration (config-nrf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*)

**Syntax Description** **type** *message\_type* **failover-enabled** { **false** | **true** } **re-registration-enabled** { **false** | **true** }

**failover-enabled** { **false** | **true** }

Specify whether to enable or disable failover to next NRF. This parameter is applicable only for NFUpdate and NRFRegistraion message type.

Must be one of the following:

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

Default Value: true.

**re-registration-enabled { false | true }**

Specify whether to enable or disable re-registration.

Must be one of the following:

- false
- true

Default Value: true.

**type *message\_type***

Specify the message type.

Must be one of the following:

- Heartbeat
- NFUpdate
- NRFRegistration

**Usage Guidelines** Use this command to configure the NRF message type parameters.

## profile nf-client-failure nf-type nrf profile failure-handling service name type message type status-code httpv2

Configures HTTPv2 status code.

**Command Modes** Exec > Global Configuration

**Syntax Description** `status-code httpv2 { code code_value | action action }`

**action *action***

Specify the action.

Must be one of the following:

- retry-next
- retry

**code *code\_value***

Specify the code value. Ranges of status codes must be separated by either hyphen (-) or comma (,).

Must be an integer.

-Or-

Must be a string.

**Usage Guidelines** Use this command to configure HTTPv2 status codes.

## profile nf-client-failure nf-type nssf

Configures NSSF Profile Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `profile nf-client-failure nf-type nssf`

**Usage Guidelines** Use this command to configure NSSF Failure Handling parameters. The CLI prompt changes to the NSSF Configuration mode (config-nssf).

## profile nf-client-failure nf-type nssf profile failure-handling

Configures the NSSF Failure Handling Template parameters.

**Command Modes** Exec > Global Configuration (config) > NSSF NF Client Failure Configuration (config-nssf)

**Syntax Description** `profile failure-handling fh_template_name`

**failure-handling fh\_template\_name**

Specify name of the SEPP failure handling template.

Must be a string.

**Usage Guidelines** Use this command to configure the NSSF Failure Handling Template parameters.

## profile nf-client-failure nf-type nssf profile failure-handling service name type

Configures the NSSF Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config) > NSSF NF-Client Configuration (config-nssf) > Failure Handling Profile Configuration (config-failure-handling-profile\_name)

**Syntax Description** `service name type nssf_service_name_type [ responsetimeout response_timeout ]`

**responsetimeout response\_timeout**

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type nssf\_service\_name\_type**

Specify the NSSF service name type.

Must be one of the following:

- **nssf-nsselection**

**Usage Guidelines** Use this command to configure the NSSF Failure Handling parameters.

## profile nf-client-failure nf-type nssf profile failure-handling service name type message type

Configures the NSSF message type parameters.

**Command Modes** Exec > Global Configuration (config) > NSSF NF Client Configuration (config-nssf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type)

**Syntax Description** **message type** *nssf\_message\_type*

**type nssf\_message\_type**

Specify the NSSF message type.

Must be one of the following:

- **NssfNSSelectionReq**

**Usage Guidelines** Use this command to configure the NSSF message type parameters.

## profile nf-client-failure nf-type nssf profile failure-handling service name type message type status-code httpv2

Configures HTTPv2 status codes. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF Client Configuration (config-amf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > AUSF NF Client Configuration (config-ausf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF Client Configuration (config-chf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF Client Configuration (config-eir) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > NRF NF Client Configuration (config-nrf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF Client Configuration (config-nssf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF Client Configuration (config-pcf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF Client Configuration (config-sepp) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF Client Configuration (config-smf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF Client Configuration (config-udm) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Syntax Description</b>	<pre>status-code httpv2 { range range   range } { action action   retransmit retransmit   retransmit-interval retransmit_interval   retry retry_value }</pre>

**action action**

Specify the action.

Must be one of the following:

- **continue**: Specify to continue the session without any retry. The retry count configuration is invalid with this action.
- **retry-and-continue**: Specify to retry as per the configured retry count and continue the session.

- **retry-and-ignore**: Specify to retry as per the configured retry count and ignore the session in case all retry fails.
- **retry-and-terminate**: Specify to retry as per the configured retry count and terminate the session in case all retry fails.
- **terminate**: Specify to terminate the session without any retry. Retry count configuration is invalid with this action.

**code** *code\_value*

Specify the code, or a range of status codes separated by either - (hyphen) or , (comma).

Must be an integer.

-Or-

Must be a string.

**retransmit-interval** *retransmit\_interval*

Specify the retransmit interval in milliseconds.

Must be an integer.

**retransmit** *retransmit*

Specify the retransmit value.

Must be an integer in the range of 1-10.

**retry** *retry\_value*

Specify the number of times the NF service must retry before proceeding with the action.

Must be an integer in the range of 1-10.

**Usage Guidelines** Use this command to configure HTTPv2 status codes.

## profile nf-client-failure nf-type pcf

Configures PCF Profile Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `profile nf-client-failure nf-type pcf`

**Usage Guidelines** Use this command to configure PCF Profile Failure Handling parameters. The CLI prompt changes to the PCF Configuration mode (config-pcf).

## profile nf-client-failure nf-type pcf profile failure-handling

Configures the PCF Failure Handling Template parameters.



**Command Modes** Exec > Global Configuration (config) > PCF NF Client Failure Configuration (config-pcf)

**Syntax Description** **profile failure-handling** *fh\_template\_name*

**failure-handling** *fh\_template\_name*

Specify name of the PCF failure handling template.

Must be a string.

**Usage Guidelines** Use this command to configure the PCF Failure Handling Template parameters.

## profile nf-client-failure nf-type pcf profile failure-handling service name type

Configures the PCF Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config) > PCF NF-Client Configuration (config-pcf) > Failure Handling Profile Configuration (config-failure-handling-profile\_name)

**Syntax Description** **service name type** *pcf\_service\_name\_type* [ **responsetimeout** *response\_timeout* ]

**responsetimeout** *response\_timeout*

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**pcf\_service\_name\_type**

Specify the PCF service name type.

Must be one of the following:

- **npcf-am-policy-control**
- **npcf-bdtpolicycontrol**
- **npcf-eventexposure**
- **npcf-policyauthorization**
- **npcf-smpolicycontrol**
- **npcf-ue-policy-control**

**Usage Guidelines** Use this command to configure the PCF Failure handling parameters.

## profile nf-client-failure nf-type pcf profile failure-handling service name type message type

Configures the PCF message type parameters.

**Command Modes** Exec > Global Configuration (config) > PCF NF Client Configuration (config-pcf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*)

**Syntax Description** **message type** *pcf\_message\_type*

**type** *pcf\_message\_type*

Specify the PCF message type.

Must be one of the following:

- PcfAmfPolicyControlCreate
- PcfAmfPolicyControlDelete
- PcfSmpolicycontrolCreate
- PcfSmpolicycontrolDelete
- PcfSmpolicycontrolUpdate

**Usage Guidelines** Use this command to configure the PCF message type parameters.

## profile nf-client-failure nf-type pcf profile failure-handling service name type message type status-code httpv2

Configures HTTPv2 status codes. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF Client Configuration (config-amf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*) > Failure Handling Message Type Configuration (config-type-*message\_type\_name*)

**Command Modes** Exec > Global Configuration (config) > AUSF NF Client Configuration (config-ausf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*) > Failure Handling Message Type Configuration (config-type-*message\_type\_name*)

**Command Modes** Exec > Global Configuration (config) > CHF NF Client Configuration (config-chf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration

(config-type-service\_name\_type) > Failure Handling Message Type Configuration  
(config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > EIR NF Client Configuration (config-eir) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > NRF NF Client Configuration (config-nrf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > NSSF NF Client Configuration (config-nssf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > PCF NF Client Configuration (config-pcf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > SEPP NF Client Configuration (config-sepp) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF Client Configuration (config-smf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF Client Configuration (config-udm) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Syntax Description**

```
status-code httpv2 { range range | range } { action action | retransmit retransmit
| retransmit-interval retransmit_interval | retry retry_value }
```

**action action**

Specify the action.

Must be one of the following:

- **continue**: Specify to continue the session without any retry. The retry count configuration is invalid with this action.
- **retry-and-continue**: Specify to retry as per the configured retry count and continue the session.

- **retry-and-ignore**: Specify to retry as per the configured retry count and ignore the session in case all retry fails.
- **retry-and-terminate**: Specify to retry as per the configured retry count and terminate the session in case all retry fails.
- **terminate**: Specify to terminate the session without any retry. Retry count configuration is invalid with this action.

**code** *code\_value*

Specify the code, or a range of status codes separated by either - (hyphen) or , (comma).

Must be an integer.

-Or-

Must be a string.

**retransmit-interval** *retransmit\_interval*

Specify the retransmit interval in milliseconds.

Must be an integer.

**retransmit** *retransmit*

Specify the retransmit value.

Must be an integer in the range of 1-10.

**retry** *retry\_value*

Specify the number of times the NF service must retry before proceeding with the action.

Must be an integer in the range of 1-10.

**Usage Guidelines** Use this command to configure HTTPv2 status codes.

## profile nf-client-failure nf-type sepp

Configures SEPP Profile Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `profile nf-client-failure nf-type sepp`

**Usage Guidelines** Use this command to configure SEPP Failure Handling parameters. The CLI prompt changes to the SEPP Configuration mode (config-sepp).

## profile nf-client-failure nf-type sepp profile failure-handling

Configures SEPP Failure Handling Template parameters.

**Command Modes** Exec > Global Configuration (config) > SEPP NF Client Failure Configuration (config-sepp)

**Syntax Description** **profile failure-handling** *fh\_template\_name*

**failure-handling** *fh\_template\_name*

Specify name of the SEPP failure handling template.

Must be a string.

**Usage Guidelines** Use this command to configure SEPP Failure Handling Template parameters.

## profile nf-client-failure nf-type sepp profile failure-handling service name type

Configures the SEPP Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config) > SEPP NF-Client Configuration (config-sepp) > Failure Handling Profile Configuration (config-failure-handling-*profile\_name*)

**Syntax Description** **service name type** *sepp\_service\_name\_type* [ **responsetimeout** *response\_timeout* ]

**responsetimeout** *response\_timeout*

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

**type** *sepp\_service\_name\_type*

Specify the SEPP service name type.

Must be one of the following:

- **nsmf-pdusession**

**Usage Guidelines** Use this command to configure the SEPP Failure Handling parameters.

## profile nf-client-failure nf-type sepp profile failure-handling service name type message type

Configures the SEPP message type parameters.

**Command Modes** Exec > Global Configuration (config) > SEPP NF Client Configuration (config-sepp) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-service-*name\_type*)

**Syntax Description** `message type sepp_message_type`

**type sepp\_message\_type**

Specify the SEPP message type.

Must be one of the following:

- **HsmfPduSessionNotify**
- **HsmfPduSessionUpdate**
- **VsmfPduSessionCreate**
- **VsmfPduSessionRelease**
- **VsmfPduSessionUpdate**

**Usage Guidelines** Use this command to configure the SEPP message type parameters.

## profile nf-client-failure nf-type sepp profile failure-handling service name type message type status-code httpv2

Configures HTTPv2 status codes. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF Client Configuration (config-amf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > AUSF NF Client Configuration (config-ausf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > CHF NF Client Configuration (config-chf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > EIR NF Client Configuration (config-eir) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > NRF NF Client Configuration (config-nrf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > NSSF NF Client Configuration (config-nssf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > PCF NF Client Configuration (config-pcf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > SEPP NF Client Configuration (config-sepp) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > SMF NF Client Configuration (config-smf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > UDM NF Client Configuration (config-udm) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Syntax Description** `status-code httpv2 { range range | range } { action action | retransmit retransmit | retransmit-interval retransmit_interval | retry retry_value }`

#### **action action**

Specify the action.

Must be one of the following:

- **continue**: Specify to continue the session without any retry. The retry count configuration is invalid with this action.
- **retry-and-continue**: Specify to retry as per the configured retry count and continue the session.
- **retry-and-ignore**: Specify to retry as per the configured retry count and ignore the session in case all retry fails.
- **retry-and-terminate**: Specify to retry as per the configured retry count and terminate the session in case all retry fails.
- **terminate**: Specify to terminate the session without any retry. Retry count configuration is invalid with this action.

#### **code code\_value**

Specify the code, or a range of status codes separated by either - (hyphen) or , (comma).

Must be an integer.

-Or-

Must be a string.

**retransmit-interval** *retransmit\_interval*

Specify the retransmit interval in milliseconds.

Must be an integer.

**retransmit** *retransmit*

Specify the retransmit value.

Must be an integer in the range of 1-10.

**retry** *retry\_value*

Specify the number of times the NF service must retry before proceeding with the action.

Must be an integer in the range of 1-10.

**Usage Guidelines** Use this command to configure HTTPv2 status codes.

## profile nf-client-failure nf-type smf

Configures SMF Profile Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `profile nf-client-failure nf-type smf`

**Usage Guidelines** Use this command to configure SMF Profile Failure Handling parameters. The CLI prompt changes to the SMF Configuration mode (config-smf).

## profile nf-client-failure nf-type smf profile failure-handling

Configures the SMF Failure Handling Template parameters.

**Command Modes** Exec > Global Configuration (config) > SMF NF Client Failure Configuration (config-smf)

**Syntax Description** `profile failure-handling fh_template_name`

***fh\_template\_name***

Specify name of the SMF failure handling template.

Must be a string.

**Usage Guidelines** Use this command to configure the SMF Failure Handling Template parameters.



## profile nf-client-failure nf-type smf profile failure-handling service name type

Configures the SMF Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config) > SMF NF-Client Configuration (config-smf) > Failure Handling Profile Configuration (config-failure-handling-*profile\_name*)

**Syntax Description** **service name type** *smf\_service\_name\_type* [ **responsetimeout** *response\_timeout* ]

### **responsetimeout** *response\_timeout*

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

### **type** *smf\_service\_name\_type*

Specify the SMF service name type.

Must be one of the following:

- **nsmf-pdusession**

**Usage Guidelines** Use this command to configure the SMF Failure Handling parameters.

## profile nf-client-failure nf-type smf profile failure-handling service name type message type

Configures the SMF message type parameters.

**Command Modes** Exec > Global Configuration (config) > SMF NF Client Configuration (config-smf) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*)

**Syntax Description** **message type** *smf\_message\_type*

### **type** *smf\_message\_type*

Specify the SMF message type.

Must be one of the following:

- **SmfN1N2MsgTxfrFailureNotification**
- **SmfSmContextCreate**
- **SmfSmContextDelete**

- **SmfSmContextRetrieve**
- **SmfSmContextUpdate**

**Usage Guidelines** Use this command to configure the SMF message type parameters.

## profile nf-client-failure nf-type smf profile failure-handling service name type message type status-code httpv2

Configures HTTPv2 status codes. This command is common to multiple NF clients, and is available in the following configuration modes.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF NF Client Configuration (config-amf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > AUSF NF Client Configuration (config-ausf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > CHF NF Client Configuration (config-chf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > EIR NF Client Configuration (config-eir) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > NRF NF Client Configuration (config-nrf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > NSSF NF Client Configuration (config-nssf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > PCF NF Client Configuration (config-pcf) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)
<b>Command Modes</b>	Exec > Global Configuration (config) > SEPP NF Client Configuration (config-sepp) > Failure Handling Configuration (config-failure-handling-profile_name) > Failure Handling Service Name Type Configuration (config-type-service_name_type) > Failure Handling Message Type Configuration (config-type-message_type_name)

(config-type-service\_name\_type) > Failure Handling Message Type Configuration  
(config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > SMF NF Client Configuration (config-smf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes**

Exec > Global Configuration (config) > UDM NF Client Configuration (config-udm) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Syntax Description**

```
status-code httpv2 { range range | range } { action action | retransmit retransmit
| retransmit-interval retransmit_interval | retry retry_value }
```

**action action**

Specify the action.

Must be one of the following:

- **continue**: Specify to continue the session without any retry. The retry count configuration is invalid with this action.
- **retry-and-continue**: Specify to retry as per the configured retry count and continue the session.
- **retry-and-ignore**: Specify to retry as per the configured retry count and ignore the session in case all retry fails.
- **retry-and-terminate**: Specify to retry as per the configured retry count and terminate the session in case all retry fails.
- **terminate**: Specify to terminate the session without any retry. Retry count configuration is invalid with this action.

**code code\_value**

Specify the code, or a range of status codes separated by either - (hyphen) or , (comma).

Must be an integer.

-Or-

Must be a string.

**retransmit-interval retransmit\_interval**

Specify the retransmit interval in milliseconds.

Must be an integer.

**retransmit retransmit**

Specify the retransmit value.

Must be an integer in the range of 1-10.

**retry *retry\_value***

Specify the number of times the NF service must retry before proceeding with the action.

Must be an integer in the range of 1-10.

**Usage Guidelines** Use this command to configure HTTPv2 status codes.

## profile nf-client-failure nf-type udm

Configures UDM Profile Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile nf-client-failure nf-type udm**

**Usage Guidelines** Use this command to configure UDM Profile Failure Handling parameters. The CLI prompt changes to the UDM Configuration mode (config-udm).

## profile nf-client-failure nf-type udm profile failure-handling

Configures the UDM Failure Handling Template parameters.

**Command Modes** Exec > Global Configuration (config) > UDM NF Client Failure Configuration (config-udm)

**Syntax Description** **profile failure-handling *fh\_template\_name***

**failure-handling *fh\_template\_name***

Specify name of the UDM failure handling template.

Must be a string.

**Usage Guidelines** Use this command to configure the UDM Failure Handling Template parameters.

## profile nf-client-failure nf-type udm profile failure-handling service name type

Configures UDM Failure Handling parameters.

**Command Modes** Exec > Global Configuration (config) > UDM NF-Client Configuration (config-udm) > Failure Handling Profile Configuration (config-failure-handling-*profile\_name*)

**Syntax Description** **service name type *udm\_service\_name\_type* [ responsetimeout *response\_timeout* ]**

**responsetimeout *response\_timeout***

Specify the response timeout interval in milliseconds.

Must be an integer.

Default Value: 2000.

#### ***udm\_service\_name\_type***

Specify the UDM service name type.

Must be one of the following:

- **nudm-ee**
- **nudm-pp**
- **nudm-sdm**
- **nudm-ueau**
- **nudm-uecm**

#### **Usage Guidelines**

Use this command to configure the UDM Failure Handling parameters.

## **profile nf-client-failure nf-type udm profile failure-handling service name type message type**

Configures the UDM message type parameters.

#### **Command Modes**

Exec > Global Configuration (config) > UDM NF Client Configuration (config-udm) > Failure Handling Configuration (config-failure-handling-*profile\_name*) > Failure Handling Service Name Type Configuration (config-type-*service\_name\_type*)

#### **Syntax Description**

**message type** *udm\_message\_type*

#### **type *udm\_message\_type***

Specify the UDM message type.

Must be one of the following:

- **UdmDeRegistrationReq**
- **UdmRegistrationReq**
- **UdmSdmGetUESMSSubscriptionData**
- **UdmSdmSubscribeToNotification**
- **UdmSdmUnsubscribeToNotification**
- **UdmSubscriptionReq**
- **UdmUecmRegisterSMF**
- **UdmUecmUnregisterSMF**
- **UdmUnSubscriptionReq**

**Usage Guidelines** Use this command to configure the UDM message type parameters.

## profile nf-client-failure nf-type udm profile failure-handling service name type message type status-code httpv2

Configures HTTPv2 status codes. This command is common to multiple NF clients, and is available in the following configuration modes.

**Command Modes** Exec > Global Configuration (config) > AMF NF Client Configuration (config-amf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > AUSF NF Client Configuration (config-ausf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > CHF NF Client Configuration (config-chf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > EIR NF Client Configuration (config-eir) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > NRF NF Client Configuration (config-nrf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > NSSF NF Client Configuration (config-nssf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > PCF NF Client Configuration (config-pcf) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

**Command Modes** Exec > Global Configuration (config) > SEPP NF Client Configuration (config-sepp) > Failure Handling Configuration (config-failure-handling-profile\_name) > Failure Handling Service Name Type Configuration (config-type-service\_name\_type) > Failure Handling Message Type Configuration (config-type-message\_type\_name)

<b>Command Modes</b>	Exec > Global Configuration (config) > SMF NF Client Configuration (config-smf) > Failure Handling Configuration (config-failure-handling- <i>profile_name</i> ) > Failure Handling Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Failure Handling Message Type Configuration (config-type- <i>message_type_name</i> )
<b>Command Modes</b>	Exec > Global Configuration (config) > UDM NF Client Configuration (config-udm) > Failure Handling Configuration (config-failure-handling- <i>profile_name</i> ) > Failure Handling Service Name Type Configuration (config-type- <i>service_name_type</i> ) > Failure Handling Message Type Configuration (config-type- <i>message_type_name</i> )
<b>Syntax Description</b>	<pre>status-code httpv2 { range range   range } { action action   retransmit retransmit   retransmit-interval retransmit_interval   retry retry_value }</pre> <p><b>action <i>action</i></b></p> <p>Specify the action.</p> <p>Must be one of the following:</p> <ul style="list-style-type: none"> <li>• <b>continue</b>: Specify to continue the session without any retry. The retry count configuration is invalid with this action.</li> <li>• <b>retry-and-continue</b>: Specify to retry as per the configured retry count and continue the session.</li> <li>• <b>retry-and-ignore</b>: Specify to retry as per the configured retry count and ignore the session in case all retry fails.</li> <li>• <b>retry-and-terminate</b>: Specify to retry as per the configured retry count and terminate the session in case all retry fails.</li> <li>• <b>terminate</b>: Specify to terminate the session without any retry. Retry count configuration is invalid with this action.</li> </ul> <p><b>code <i>code_value</i></b></p> <p>Specify the code, or a range of status codes separated by either - (hyphen) or , (comma).</p> <p>Must be an integer.</p> <p>-Or-</p> <p>Must be a string.</p> <p><b>retransmit-interval <i>retransmit_interval</i></b></p> <p>Specify the retransmit interval in milliseconds.</p> <p>Must be an integer.</p> <p><b>retransmit <i>retransmit</i></b></p> <p>Specify the retransmit value.</p> <p>Must be an integer in the range of 1-10.</p>

**retry *retry\_value***

Specify the number of times the NF service must retry before proceeding with the action.

Must be an integer in the range of 1-10.

**Usage Guidelines** Use this command to configure HTTPv2 status codes.

## profile nf-pair nf-type

Configures the NF client pair type parameter.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **profile nf-pair nf-type** *nf\_type* [ [ **limit** *max\_discovery\_profiles* ] [ **max-payload-size** *max\_payload\_size* ] [ **nrf-discovery-group** *group\_name* ] ]

**limit *max\_discovery\_profiles***

Specify the maximum number of discovery profiles that NRF can send.

Must be an integer in the range of 1-1000.

Default Value: 10.

**max-payload-size *max\_payload\_size***

Specify the maximum payload size of the discovery response.

Must be an integer in the range of 124-2000.

Default Value: 124.

**nf-type *nf\_type***

Specify the NF client pair type.

Must be one of the following:

- **5G\_EIR**
- **AF**
- **AMF**
- **AUSF**
- **BSF**
- **CHF**
- **GMLC**
- **LMF**
- **N3IWF**
- **NEF**



- NRF
- NSSF
- NWDAF
- PCF
- SEPP
- SMF
- SMSF
- UDM
- UDR
- UDSF
- UPF

**nrf-discovery-group *group\_name***

Specify name of the NRF discovery group.

Must be a string.

**Usage Guidelines**

Configures NF client pair parameters. Use this command to configure the NF client pair type parameter.

## profile nf-pair nf-type cache invalidation true

Configures the invalidation cache for "true" case.

**Command Modes**

Exec > Global Configuration (config) > NF Type Configuration (config-nf-type-*nf\_type*)

**Syntax Description**

**cache invalidation { false | true [ timeout *timeout\_duration* ] }**

**timeout *timeout\_duration***

Specify the invalidation cache timeout duration in milliseconds.

Must be an integer.

Default Value: 0.

**true**

True condition.

**Usage Guidelines**

Use this command to configure the true case parameters for invalidation cache.

## profile nf-pair nf-type locality

Configures client locality parameter.

### Command Modes

Exec > Global Configuration (config) > NF Type Configuration (config-nf-type-*nf\_type*)

### Syntax Description

```
locality { client locality_name | geo-server locality_name | preferred-server
locality_name }
```

#### **client** *locality\_name*

Specify the Client Locality information.

Must be a string.

#### **geo-server** *locality\_name*

Specify the Geo Service Locality information.

Must be a string.

#### **preferred-server** *locality\_name*

Specify the preferred server locality information.

Must be a string.

### Usage Guidelines

Use this command to configure the client locality parameter.

## profile nf-pair nf-type nrf-auth-group nrf-discovery-group

Configures the AMF ID (**nrf-auth-group nrf-discovery-group** in the **nf-pair**) to specify `auth-groups` containing the NRF endpoint details for each NF type.

### Command Modes

Exec > Global Configuration (config) > AMF Configuration (config-amf *amf\_name*) > NF Profile Name Configuration (config-nf-profile-nf *nf\_profile\_name*) > NF Profile Type Configuration (config-nf-type-profile *profile\_type\_name*) > nrf-auth-group > nrf-discovery-group

### Syntax Description

```
profile nf-pair nf-type nf_type_name
  nrf-auth-group nrf_auth_group_name
  nrf-discovery-group nrf_discovery_group_name
  locality client client_name
  locality preferred-server server_name
  locality geo-server geo_server_name
  cache invalidation { true | false } timeout timeout_number
```

#### **profile nf-pair nf-type** *nf\_type\_name*

Specify the `nf-type` under the `nf-pair` in the profile name to authenticate. Must be a string.

**nrf-auth-group** *nrf\_auth\_group\_name*

Specify the `nrf-auth-group` name.

**nrf-discovery-group** *nrf\_discovery\_group\_name*

Specify the `nrf-discovery-group` name.

**locality client** *client\_name*

Specify the client name in the locality details.

**locality preferred-server** *server\_name*

Specify the `preferred-server` or client name in the locality details.

**locality geo-server** *geo\_server\_name*

Specify the `geo-server` name in the locality details.

**cache invalidation { true | false } timeout** *timeout\_number*

Enable the cache invalidation configuration. The default value is `false`.

**Usage Guidelines**

Use this command, when the **nrf-discovery-group** under the **nrf-auth-group**, as `auth-groups` containing the NRF endpoint details for each NF type is specified, when you want to enable **nf-pair**.

## quit

Exits the management session.

**Command Modes**

Exec

**Syntax Description**

**quit**

**Usage Guidelines**

Use this command to exit the management session.

## reconcile

Reconciles the IPAM data with the CDL records pod resource parameter.

**Command Modes**

Exec

**Syntax Description**

**reconcile ipam** *ipam*

**ipam** *ipam*

Specify to initiate the reconcile operation.

**Usage Guidelines**

Use this command to reconcile the IPAM data with the CDL records pod resource parameter.

## resource pod

Configures Pod resource parameter.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **resource** *pod\_type*

**resource** *pod\_type*

Specify the pod type.

**Usage Guidelines** Use this command to configure Pod resource parameter. The CLI prompt changes to the Pod Resource Configuration mode (config-resource-<pod\_type>).

## resource pod cpu

Configures CPU resource request parameter.

**Command Modes** Exec > Global Configuration (config) > Pod Resource Configuration (config-resource-*pod\_type*)

**Syntax Description** **cpu request** *cpu\_resource\_request*

**request** *cpu\_resource\_request*

Specify the CPU resource request in millicores.

Must be an integer in the range of 100-1000000.

**Usage Guidelines** Use this command to configure CPU resource request parameter.

## resource pod labels

Configures K8 Node Affinity label configuration.

**Command Modes** Exec > Global Configuration (config) > Pod Resource Configuration (config-resource-*pod\_type*)

**Syntax Description** **labels key** *label\_key* **value** *label\_value*

**key** *label\_key*

Specify the key for the label.

Must be a string.

**value** *label\_value*

Specify the value for the label.

Must be a string.

**Usage Guidelines** Use this command to configure K8 Node affinity label configuration.

## resource pod memory

Configures memory resource request parameter.

**Command Modes** Exec > Global Configuration (config) > Pod Resource Configuration (config-resource-pod\_type)

**Syntax Description** **memory request** *memory\_resource\_request*

**request** *memory\_resource\_request*

Specify the memory resource request in megabytes.

Must be an integer in the range of 100-200000.

**Usage Guidelines** Use this command to configure memory resource request parameter.

## resources

Displays resources information.

**Command Modes** Exec

**Syntax Description** **show resources**

**Usage Guidelines** Use this command to view resources information.

## resources info

Displays resource information.

**Command Modes** Exec

**Syntax Description** **show resources [ info ]**

**Usage Guidelines** Use this command to view information about the configured resources.

## router bfd instance instance-id

Configures Multi-Hop BFD configuration.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `router bfd instance instance-id instance_id`

**instance-id** *instance\_id*

Specify the instance ID.

**Usage Guidelines** Use this command to configure Multi-Hop BFD configuration. The CLI prompt changes to the Instance Configuration mode (config-instance-id-<instance\_id>).

## router bfd instance instance-id interface-list

Configures monitor interface list configuration.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*)

**Syntax Description** `interface interface_to_monitor [ gateway-ip gateway_ip_address ]`

**gateway-ip** *gateway\_ip\_address*

Specify IP address of the gateway.

Must be a string.

**interface** *interface\_to\_monitor*

Specify the interface to monitor.

Must be a string.

**Usage Guidelines** Use this command to configure monitor interface list configuration.

## router bfd instance instance-id interface-list neighbors

Configures monitor interface list neighbor configuration parameters.

**Command Modes** Exec > Global Configuration (config) > Instance Configuration (config-instance-id-*instance\_id*)

**Syntax Description** `neighbor neighbor_ip_address`

**neighbor** *neighbor\_ip\_address*

Specify IP address of the neighbor.

Must be a string.

**Usage Guidelines** Use this command to configure monitor interface list neighbor configuration parameters.

## router bgplist

Configures BGP speaker configuration.

<b>Command Modes</b>	Exec > Global Configuration (config)
<b>Syntax Description</b>	<pre><b>router bgp</b> <i>bgp</i> [ <b>learnDefaultRoute</b> { <b>false</b>   <b>true</b> }   <b>loopbackBFDPort</b> <i>bfd_local_port_number</i>   <b>loopbackPort</b> <i>bgp_local_port_number</i> ]</pre> <p><b>bgp <i>bgp</i></b> Specify the BGP. Must be an integer.</p> <p><b>learnDefaultRoute { false   true }</b> Specify whether to enable or disable learning default route and adding it in kernel space. Must be one of the following:</p> <ul style="list-style-type: none"> <li>• <b>false</b></li> <li>• <b>true</b></li> </ul> <p>Default Value: false.</p> <p><b>loopbackBFDPort <i>bfd_local_port_number</i></b> Specify the BFD local port number. Must be an integer. Default Value: 3784.</p> <p><b>loopbackPort <i>bgp_local_port_number</i></b> Specify the BGP local port number. Must be an integer. Default Value: 179.</p>

**Usage Guidelines** Use this command to configure the BGP speaker configuration.

## router bgplist bfd

Configures BFD configuration.

<b>Command Modes</b>	Exec > Global Configuration (config) > Router Configuration (config-router-router)
<b>Syntax Description</b>	<pre><b>bfd</b> { <b>interval</b> <i>bfd_interval</i>   <b>min_rx</b> <i>bfd_min_rx</i>   <b>multiplier</b> <i>bfd_interval_multiplier</i> }</pre>

**interval *bfd\_interval***

Specify, in microseconds, the BFD interval.

Must be an integer.

Default Value: 250000.

**min\_rx *bfd\_min\_rx***

Specify, in microseconds, the BFD minimum RX.

Must be an integer.

Default Value: 250000.

**multiplier *bfd\_interval\_multiplier***

Specify the BFD interval multiplier.

Must be an integer.

Default Value: 3.

**Usage Guidelines** Use this command to configure the BFD configuration.

## router bgplist interfaceList

Configures bonding interface configuration.

**Command Modes** Exec > Global Configuration (config) > Router Configuration (config-router-router)

**Syntax Description** **interface** *bgp\_local\_interface*

**interface *bgp\_local\_interface***

Specify the BGP local interface.

Must be a string.

**Usage Guidelines** Use this command to configure the bonding interface configuration.

## router bgplist interfaceList bondingInterfaces

Configures bonding interface configuration.

**Command Modes** Exec > Global Configuration (config) > Router Configuration (config-router-router) > Router Interface Configuration (config-router-interface)

**Syntax Description** **bondingInterface** *linked\_bonding\_interface*



**bondingInterface *linked\_bonding\_interface***

Specify the linked bonding interface.

Must be a string.

**Usage Guidelines** Use this command to configure the bonding interface configuration.

## router bgplist interfaceList neighbors

Configures neighbor parameters.

**Command Modes** Exec > Global Configuration (config) > Router Configuration (config-router-router) > Router Interface Configuration (config-router-interface)

**Syntax Description** **neighbor** *neighbor\_ip\_address* [ **fail-over** *failover\_type* | **remote-as** *remote\_as\_number* ]

**fail-over *failover\_type***

Specify the failover type.

Must be one of the following:

- **bfd**

**neighbor *neighbor\_ip\_address***

Specify the IP address of the neighbor.

Must be a string.

**remote-as *remote\_as\_number***

Specify the Autonomous System (AS) number of the BGP neighbor.

Must be an integer.

Default Value: 65000.

**Usage Guidelines** Use this command to configure the neighbor parameters.

## router bgplist policies

Configures policy parameters.

**Command Modes** Exec > Global Configuration (config) > Router Configuration (config-router-router)

**Syntax Description** **policy-name** *policy\_name* [ **as-path-set** *as\_path\_set* | **gateWay** *gateway\_address* | **interface** *interface* | **ip-prefix** *ip\_prefix* | **isStaticRoute** { **false** | **true** } | **mask-range** *mask\_range* | **modifySourceIp** { **false** | **true** } ]

**as-path-set *as\_path\_set***

Specify the Autonomous System (AS) path set.

Must be a string.

**gateWay *gateway\_address***

Specify the gateway address.

Must be a string.

**interface *interface***

Specify the interface to set as source ip.

Must be a string.

**ip-prefix *ip\_prefix***

Specify the IP prefix.

Must be a string.

**isStaticRoute { false | true }**

Specify whether to enable or disable adding static route into kernel space.

Must be one of the following:

- false
- true

Default Value: false.

**mask-range *mask\_range***

Specify the mask range.

Must be a string.

**modifySourceIp { false | true }**

Specify whether to enable or disable modifying source IP of incoming route.

Must be one of the following:

- false
- true

Default Value: false.

**policy-name *policy\_name***

Specify name of the policy.

Must be a string.

**source-prefix** *source\_ip\_prefix*

Specify the source IP prefix.

Must be a string.

**Usage Guidelines** Use this command to configure the policy parameters.

## router monitor-interface interface-list

Configures monitor interface list configuration.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** **router monitor-interface interface** *interface\_to\_monitor* **linked-interface** *linked\_interface\_to\_monitor*

**interface** *interface\_to\_monitor*

Specify the interface to monitor.

Must be a string.

**linked-interface** *linked\_interface\_to\_monitor*

Specify the linked interface to monitor.

Must be a string.

**Usage Guidelines** Use this command to configure monitor interface list configuration.

## rpc

Displays RPC information.

**Command Modes** Exec

**Syntax Description** **show rpc**

**Usage Guidelines** Use this command to view RPC information.

## rpc all

Displays RPC configuration information.

**Command Modes** Exec

**Syntax Description** **show rpc [ all ]**

**Usage Guidelines** Use this command to view RPC configuration information for all RPCs.

## running-status

Displays system running status information.

**Command Modes** Exec

**Syntax Description** `show running-status`

**Usage Guidelines** Use this command to view system running status information.

## running-status info

Displays the system's current status information.

**Command Modes** Exec

**Syntax Description** `show running-status [ info ]`

**Usage Guidelines** Use this command to view the system's current status information.

## screen-length

Configures the number of rows of text that the terminal screen displays.

**Command Modes** Exec

**Syntax Description** `screen-length number_of_rows`

***number\_of\_rows***

Specify the number of rows.

Must be an integer.

**Usage Guidelines** Use this command to configure the number of rows that the terminal screen displays.

## screen-width

Configures the number of columns that the terminal screen displays.

**Command Modes** Exec

**Syntax Description** `screen-width number_of_columns`

***number\_of\_columns***

Specify the number of columns.

Must be an integer.

**Usage Guidelines**

Use this command to configure the number of columns that the terminal screen displays.

## search

Search subscriber by SUPI.

**Command Modes**

Exec > Global Configuration (config)

**Syntax Description**

**search subscriber supi *supi\_info* detailed { false | true }**

**Usage Guidelines**

Use this command to search subscriber by SUPI.

## search

Search the subscriber by SUPI.

**Command Modes**

Exec

**Syntax Description**

**search subscriber [ detailed { false | true } | supi *supi* ]**

**subscriber detailed { false | true }**

Specify whether you want detailed subscriber information.

Must be "false" or "true".

**supi *supi***

Specify the SUPI.

Must be a string.

**Usage Guidelines**

Use this command to search subscriber by SUPI.

## send

Sends messages to the terminal of a specific user or all users.

**Command Modes**

Exec

**Syntax Description**

**send *user message***

***user***

Specify the user from whom the message must be sent.

Must be a string.

Must be one of the following:

- admin
- confd-api-manager
- confd-message-manager

***message***

Specify the message that must be sent.

Must be a string.

---

**Usage Guidelines** Use this command to send messages to the terminal of a specific user or to all users.

## sessions

Displays pending session commits in the database.

---

**Command Modes** Exec

---

**Syntax Description** `show sessions`

---

**Usage Guidelines** Use this command to view pending session commits in the database.

## sessions affinity

Displays the affinity count per instance.

---

**Command Modes** Exec

---

**Syntax Description** `show sessions affinity`

---

**Usage Guidelines** Use this command to view the affinity count per instance.

## sessions commit-pending

Displays all pending session commits.

---

**Command Modes** Exec

---

**Syntax Description** `show sessions commit-pending`

---

**Usage Guidelines** Use this command to view all pending session commits.

## show

Displays the system information.

---

**Command Modes** Exec

---

**Syntax Description** **show** *system\_component*

***system\_component***

Specify the component to view the information.

Must be a string. Select from the possible completion options.

---

**Usage Guidelines** Use this command to view the system information.

## show bfd-neighbor

Displays BFD status of neighbors.

---

**Command Modes** Exec

---

**Syntax Description** **show bfd-neighbor** [ **ip** *ip\_address* ]

***ip ip\_address***

Specify the IP address of the neighbor.

Must be a string.

---

**Usage Guidelines** Use this command to view BFD status of neighbors.

## show bgp-global

Displays BGP global configuration.

---

**Command Modes** Exec

---

**Syntax Description** **show bgp-global**

---

**Usage Guidelines** Use this command to view BGP global configuration.

## show bgp-kernel-route

Displays BGP kernel-configured routes.

**show bgp-neighbors**


---

**Command Modes** Exec

---

**Syntax Description** `show bgp-kernel-route [ application { false | true } ]`
**application { false | true }**

Specify whether to display application added routes.

Must be one of the following:

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

Default Value: false.

---

**Usage Guidelines** Use this command to view BGP kernel-configured routes.

## show bgp-neighbors

Displays BGP neighbor's status.

---

**Command Modes** Exec

---

**Syntax Description** `show bgp-neighbors [ ip ip_address ]`
**ip ip\_address**

Specify the IP address of the neighbor.

Must be a string.

---

**Usage Guidelines** Use this command to view BGP neighbor's status.

## show bgp-route-summary

Displays BGP route summary.

---

**Command Modes** Exec

---

**Syntax Description** `show bgp-route-summary`


---

**Usage Guidelines** Use this command to view BGP route summary.

## show bgp-routes

Displays BGP routes information.

---

**Command Modes** Exec



---

**Syntax Description**     **show bgp-routes**

---

**Usage Guidelines**     Use this command to view BGP routes information.

## show edr

Displays EDR Transaction Procedure Event fields.

---

**Command Modes**     Exec

---

**Syntax Description**     **show edr** { [ **event** *transaction\_procedure\_event* ] [ **transaction-procedure** *transaction\_procedure* ] }

**event *transaction\_procedure\_event***

Specify the transaction procedure event name/id/all.

Must be a string.

**transaction-procedure *transaction\_procedure***

Specify the transaction procedure's name, ID, or all.

Must be a string.

---

**Usage Guidelines**     Use this command to view EDR Transaction Procedure Event fields.

## show geo-maintenance-mode

Indicates whether maintenance mode is enabled or disabled.

---

**Command Modes**     Exec

---

**Syntax Description**     **show geo-maintenance-mode**

---

**Usage Guidelines**     Use this command to view whether maintenance mode is enabled or disabled.

## show georeplication

Displays ETCD/Cache checksum.

---

**Command Modes**     Exec

---

**Syntax Description**     **show georeplication checksum instance-id** *instance\_id*

**checksum**

Specify checksum.

**instance-id** *instance\_id*

Specify the instance ID for which checksum will be displayed.

Must be a string.

**Usage Guidelines** Use this command to view ETCD/Cache checksum.

## show local-interface-status

Displays status of local interface.

**Command Modes** Exec

**Syntax Description** `show local-interface-status interface local_interface_name`

**interface** *local\_interface\_name*

Specify name of the local interface.

Must be a string.

**Usage Guidelines** Use this command to view status of local interface.

## show role

Displays current role for the specified instance.

**Command Modes** Exec

**Syntax Description** `show role instance-id instance_id`

**instance-id** *instance\_id*

Specify the instance ID for which role must be displayed.

**Usage Guidelines** Use this command to view current role for the specified instance.

## show subscriber

Displays subscriber information.

**Command Modes** Exec

**Syntax Description** `show subscriber { all | supi supi_id }`

**all**

Specify all SUPIs or IMEIs.

**count** *session\_count*

Specify the sessions count.

Must be one of the following:

- **count**

**gr-instance** *gr\_instance*

Specify the network function service under which to search.

**imei** *imei\_id*

Specify the International Mobile Equipment Identity.

Must be a string of 15-16 characters.

**namespace** *namespace*

NOTE: This keyword is deprecated, use nf-service instead. Specify the product namespace under which to search.

Default Value: cisco-mobile-infra:none.

**nf-service** *nf\_service*

Specify the network function service under which to search.

Default Value: cisco-mobile-infra:none.

**supi** *supi\_id*

Specify the subscriber's SUPI ID.

Must be a string.

**Usage Guidelines**

Use this command to view summary and detailed subscriber information for all subscribers or specific subscribers based on SUPI, IMEI, or all.

## show subscriber ran-opt

Displays and clears subscriber data based on specified criteria.

**Command Modes**

Exec

**Syntax Description**

```
{ clear | show } subscriber gnodeb-id gnodeb_id mnc mobile_network_code mcc
mobile_country_code
```

**gnodeb-id** *gnodeb\_id*

Specify the gnodeb-id.

Must be an integer in the range of 0-4294967295.

**mcc *mobile\_country\_code***

Specify the mobile country code.

Must be a string in the two-or-three-digit pattern. For information on the two-or-three-digit pattern, see the Input Pattern Types section.

**mnc *mobile\_network\_code***

Specify the mobile network code.

Must be a string in the two-or-three-digit pattern. For information on the two-or-three-digit pattern, see the Input Pattern Types section.

---

**Usage Guidelines** Use this command to view and to clear subscriber data based on specified criteria.

## show-defaults

Configures whether to display default values when showing the configuration.

---

**Command Modes** Exec

---

**Syntax Description** **show-defaults** { **false** | **true** }

**show-defaults** { **false** | **true** }

Specify whether to display or hide the default values. To hide select false, to display select true.

Must be either "false" or "true".

---

**Usage Guidelines** Use this command to view default values when viewing the configuration commands.

## slice-group

Configures slice group parameters.

---

**Command Modes** Exec > Global Configuration (config)

---

**Syntax Description** **slice-group** *slice\_group\_name*

***slice\_group\_name***

Specify name of the slice group.

Must be a string.

---

**Usage Guidelines** Use this command to configure slice group parameters. The CLI prompt changes to the Slice Group Configuration mode (config-slice-group-<group\_name>).

# slice-group slices

Configures slice parameters.

## Command Modes

Exec > Global Configuration (config) > Slice Group Configuration (config-slice-group-*group\_name*)

## Syntax Description

```
slices name slice_name [ [ sst slice_service_type ] [ sdt slice_differentiator_type ] ]
```

### **name** *slice\_name*

Specify name of the slice.

Must be a string.

### **sdt** *slice\_differentiator\_type*

Specify the Slice Differentiator Type (SDT).

Must be a string in the octet-string24 pattern. For information on the octet-string24 pattern, see the Input Pattern Types section.

### **sst** *slice\_service\_type*

Specify the Slice Service Type (SST).

Must be an integer in the range of 0-255.

## Usage Guidelines

Use this command to configure slice parameters.

# smiuser

Configures the Subscriber Microservices Infrastructure (SMI) user account parameters.

## Command Modes

Exec

## Syntax Description

```
smiuser add-group groupname group_name
```

```
smiuser add-user { username username | password password }
```

```
smiuser assign-user-group { groupname group_name | username username }
```

```
smiuser change-password { username username | current_password current_password | new_password new_password | confirm_password new_password | password_expire_days expire_days }
```

```
smiuser change-password-age { password_expire_days expire_days | username username }
```

```
smiuser change-self-password { current_password current_password | new_password new_password | confirm_password new_password | password_expire_days expire_days }
```

```
smiuser delete-group groupname group_name
smiuser delete-user username username
smiuser show-user username username
smiuser unassign-user-group { username username | groupname group_name }
smiuser update-password-length length password_length
```

**groupname *group\_name***

Specify the group name in PAM.

Must be a string.

**username *username***

Specify the username in PAM.

Must be a string.

**password *password***

Specify the user password.

Must be a string.

**current\_password *current\_password***

Specify the current password.

Must be a string.

**new\_password *new\_password***

Specify the new password.

Must be a string.

**confirm\_password *new\_password***

Confirm the new password.

Must be a string.

**password\_expire\_days *expire\_days***

Specify the number of days before the password expires.

Must be an integer.

**length *password\_length***

Specify the minimum password length.

Must be an integer.

**Usage Guidelines**

Use this command to configure the SMI user parameters.

# system

Configures the NF's system operations.

---

## Command Modes

Exec

---

## Syntax Description

```
system { ops-center stop | ops-center-debug { start | stop } | synch {
start | stop } | upgrade | uuid-override new-uuid uuid_value }
```

### **ops-center stop**

Stops the operations center diagnostics.

### **ops-center debug** { **start** | **stop** }

Starts or stops operations center debugging.

### **synch** { **start** | **stop** }

Starts or stops the automatic synching of configuration,

### **upgrade**

Initiates the upgrade of a product.

### **uuid-override new-uuid** *uuid\_value*

Change the Universally Unique Identifier (UUID) to a new value.

Must be a string.

---

## Usage Guidelines

Use this command to display the NF's system operations.

# tai-group

Configures Tracking Area Identity (TAI) group parameters.

---

## Command Modes

Exec > Global Configuration (config)

---

## Syntax Description

```
tai-group name tai_group_name slice-group slice_group_name
```

### **name** *tai\_group\_name*

Specify name of the TAI group.

Must be a string.

### **slice-group** *slice\_group\_name*

Specify name of the slice group.

**Usage Guidelines** Use this command to configure TAI group parameters.

## tai-group tais

Configures Tracking Area Identity (TAI).

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `tai-group name tai_group_name tais name tai_name [ ims-voice-over-ps-supported { false | true } | slice-group slice_group_name ]`

**ims-voice-over-ps-supported { false | true }**

Specify whether IMS Voice Over PS is supported or not supported.

Must be one of the following:

- false
- true

Default Value: false.

**slice-group slice\_group\_name**

Specify name of the slice group.

**tais name tai\_name**

Specify name of the TAI.

Must be a string.

**Usage Guidelines** Use this command to configure TAIs. A TAI is composed of MCC, MNC, and possible TACs.

## tai-group tais tailist

Configures TAI list.

**Command Modes** Exec > Global Configuration (config) > TAI Group Configuration (config-tai-group-tai\_group\_name) > TAIS List Configuration (config-tais-tai\_name)

**Syntax Description** `mcc mobile_country_code mnc mobile_network_code`

**mcc mobile\_country\_code**

Specify the mobile country code. For example, 123.

Must be a string in the three-digit pattern. For information on the three-digit pattern, see the Input Pattern Types section.



**mnc *mobile\_network\_code***

Specify the two- or three-digit mobile network code. For example, 23, 456.

Must be a string in the two-or-three-digit pattern. For information on the two-or-three-digit pattern, see the Input Pattern Types section.

**Usage Guidelines**

Use this command to configure the TAI list.

You can configure a maximum of 16 elements with this command.

## tai-group tais tailist tac

Configures TAI group TAC values.

**Command Modes**

Exec > Global Configuration (config) > TAI Group Configuration (config-tai-group-*tai\_group\_name*) > TAIS List Configuration (config-tais-*tai\_name*)

**Syntax Description**

**tac list** *list\_of\_tac\_values*

**list *list\_of\_tac\_values***

Specify the list of TAC values.

Must be an integer in the range of 0-65535.

You can configure a maximum of 16 elements with this keyword.

**Usage Guidelines**

Use this command to configure TAI group TAC values.

## tai-group tais tailist tac range

Configures the TAC range.

**Command Modes**

Exec > Global Configuration (config) > TAI Group Configuration (config-tai-group-*tai\_group\_name*) > TAIS List Configuration (config-tais-*tai\_name*)

**Syntax Description**

**range start** *tac\_range\_start* **end** *tac\_range\_end*

**end *tac\_range\_end***

Specify the end value of the TAC range. Must be greater than the start value.

Must be an integer in the range of 0-65535.

**start *tac\_range\_start***

Specify the start value of the TAC range. Must be lesser than the end value.

Must be an integer in the range of 0-65535.

**Usage Guidelines**

Use this command to configure the TAC range.

You can configure a maximum of 16 elements with this command.

## terminal

Configures the terminal parameters.

**Command Modes** Exec

**Syntax Description** `terminal terminal_type`

### *terminal\_type*

Specify the terminal type.

Must be one of the following:

- ansi
- generic
- linux
- vt100
- xterm

**Usage Guidelines** Use this command to configure the terminal parameters.

## timestamp

Configures the timestamp parameters.

**Command Modes** Exec

**Syntax Description** `timestamp { enable | disable }`

### `timestamp { enable | disable }`

Specify the configuration to enable or disable the timestamp display.

**Usage Guidelines** Use this command to configure the timestamp capability.

## tracing

Configures debug settings for AMF NGAP endpoint.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `tracing enable-trace-percent tracing_percentage append-messages { false | true }`

**append-messages { false | true }**

Specify to enable or disable appending messages.

Must be one of the following:

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

Default Value: true.

**enable-trace-percent *tracing\_percentage***

Specify the tracing percentage.

Must be an integer in the range of 0-100.

Default Value: 100.

**Usage Guidelines** Use this command to configure debug settings for the AMF NGAP endpoint.

## tracing endpoint

Configures tracing endpoint.

**Command Modes** Exec > Global Configuration (config)

**Syntax Description** `tracing endpoint host host_name port port_number`

**host *host\_name***

Specify the host name.

Must be a string.

Default Value: jaeger-collector.

**port *port\_number***

Specify the port number.

Must be an integer.

Default Value: 9411.

**Usage Guidelines** Use this command to configure tracing endpoint.

## who

Displays information on currently logged on users.

---

**Command Modes** Exec

---

**Syntax Description** **who**

---

**Usage Guidelines** Use this command to view information on currently logged on users. The command output displays the Session, User, Context, From, Protocol, Date, and Mode information.