



## AMF Command Reference

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# 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. Configure guard timer values, which must be in the range of 0-10.

The default value is 5. The value 0 is used to disable the timer in the procedure.

---

**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.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)
<b>Syntax Description</b>	<pre><b>dnn-policy</b> <i>dnn_name</i> [ [ <b>ims-enabled</b> { <b>false</b>   <b>true</b> } ] [ <b>lbo-roaming-allowed</b> { <b>false</b>   <b>true</b> } ] [ <b>nf-profile-name</b> <i>nf_profile_name</i> ] ]</pre> <p><b>dnn-policy</b> <i>dnn_name</i></p> <p>Specify name of the DNN.</p> <p>Must be a string.</p> <p><b>ims-enabled</b> { <b>false</b>   <b>true</b> }</p> <p>Specify whether IMS is enabled for DNN.</p> <p>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>lbo-roaming-allowed</b> { <b>false</b>   <b>true</b> }</p> <p>Specify whether Local Breakout Roaming is supported.</p> <p>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>nf-profile-name</b> <i>nf_profile_name</i></p> <p>Specify name of the NF profile.</p> <p>Must be a string.</p>
<b>Usage Guidelines</b>	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.

<b>Command Modes</b>	Exec > Global Configuration (config) > AMF Global Configuration (config-amf-global)
<b>Syntax Description</b>	<p><b>paging-algo</b> <i>algorithm_name</i> [ [ <b>action</b> <i>action</i> ] [ <b>max-n-gnb</b> <i>max_gnbs_to_page</i> ] [ <b>t3513-timeout</b> <i>paging_timeout</i> ] [ <b>max-paging-attempts</b> <i>max_paging_attempts</i> ] ]</p> <p><b>action</b> <i>action</i></p> <p>Specify the action.</p> <p>Must be one of the following:</p> <ul style="list-style-type: none"> <li>• <b>all_gnb_all_tai</b></li> <li>• <b>all_gnb_last_tai</b></li> <li>• <b>all_gnb_remaining_tai_all</b></li> <li>• <b>all_gnb_remaining_tai_seq</b></li> <li>• <b>last_gnb_last_tai</b></li> <li>• <b>last_n_gnb_last_tai</b></li> </ul> <p><b>max-n-gnb</b> <i>max_gnbs_to_page</i></p> <p>Specify the max number of gNBs to page.</p> <p>Must be an integer in the range of 1-5.</p> <p><b>max-paging-attempts</b> <i>max_paging_attempts</i></p> <p>Specify the maximum number of paging attempts.</p> <p>Must be an integer in the range of 1-5.</p> <p><b>paging-algo</b> <i>paging_algorithm_name</i></p> <p>Specify name of the paging algorithm.</p> <p>Must be a string of 1-64 characters.</p> <p><b>t3513-timeout</b> <i>paging_timeout</i></p> <p>Specify the paging timeout value in seconds.</p> <p>Must be an integer in the range of 1-10.</p>
<b>Usage Guidelines</b>	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\_algorighth\_name* ]

**paging-algo** *paging\_algorighth\_name*

Specify name of the paging algorithm.

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.

<b>Command Modes</b>	Exec> Global Configuration (config)> AMF Services Configuration (config-amf-services- <i>amf_services_name</i> )
<b>Syntax Description</b>	<b>tac</b> <i>options</i>
<b>Usage Guidelines</b>	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*  
**lattice-tar-url** *lattice\_tar\_url* **test-companion-tar-url** *test\_companion\_tar\_url*

**lattice-tar-url** *lattice\_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\_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**

*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.

**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.

# 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** *db\_name*

**db\_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-<db\_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-*db\_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.

---

**Command Modes** Exec

---

**Syntax Description** `show diagnostics`

---

**Usage Guidelines** Use this command to view diagnostics information.

# diagnostics info

Displays diagnostics information.

---

**Command Modes** Exec

---

**Syntax Description** `show diagnostics [ info ]`

---

**Usage Guidelines** Use this command to view diagnostics information.

# dump

Removes the transaction history.

---

**Command Modes**

Exec

---

**Syntax Description**

**dump transactionhistory**

**transactionhistory**

Dump the transaction history.

---

**Usage Guidelines**

Use this command to remove the transaction history.

# edr

Configures EDR reporting parameters.

---

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

---

**Syntax Description** **edr** { [ **reporting** *reporting\_status* ] [ **subscribers** *subscribers\_edr\_reporting* ] }

**reporting** *reporting\_status*

Specify to enable or disable EDR reporting.

Must be one of the following:

- **disable**
- **enable**

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.

<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 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.

<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 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.

<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)

> Service 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 parameters1.

---

**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.

---

**Command Modes**

Exec > Global Configuration

---

**Syntax Description**

**endpoint-name** *endpoint\_name* [ **max-retry-count** *max\_retry\_count* ] [ **priority** *endpoint\_priority* ]

**max-retry-count** *max\_retry\_count*

Specify the maximum retry count.

Must be an integer in the range of 0-10.

Default Value: 3.

**priority** *endpoint\_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 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- <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 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.

<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 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.

**instance instance-id endpoint ep interface**

---

**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.

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.

**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 *endpoint\_type* 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.

# k8s single-node

Enables AMF to be deployed in single node.

---

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

---

**Syntax Description** `k8s single-node { false | true }`

**single-node { false | true }**

Specify whether to enable or disable single-node deployment of AMF.

Must be one of the following:

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

Default Value: false.

If **k8s single-node true** is configured, AMF pods can be deployed in a single node.

Single node deployment involves some additional configurations. For more information, contact your Cisco account representative.



---

**Note** AMF does not support dynamic changes to this command.

---

---

**Usage Guidelines** Use this command to enable AMF to be deployed in single node.



# 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.

<b>Command Modes</b>	Exec > Global Configuration (config)
<b>Syntax Description</b>	<code>logging async application { disable   enable buffer-size <i>buffer_size</i> }</code>
<b>Syntax Description</b>	<code>logging async monitor-subscriber { disable   enable buffer-size <i>buffer_size</i> }</code>
<b>Syntax Description</b>	<code>logging async tracing { disable   enable buffer-size <i>buffer_size</i> }</code>
<b>Syntax Description</b>	<code>logging async transaction { disable   enable buffer-size <i>buffer_size</i> }</code>
	<b>buffer-size <i>buffer_size</i></b> Specify the buffer size for async logging. Must be an integer.
<b>Usage Guidelines</b>	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.

---

**Command Modes** Exec

---

**Syntax Description** `show nrf [ registration-info [ gr-instance gr_instance ] ]`

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

Specify the GR instance ID.

Must be a string.

---

**Usage Guidelines** Use this command to view registration information.

# nrf subscription-info

Displays NF subscription information.

---

**Command Modes** Exec > Global Configuration

---

**Syntax Description** `show nrf subscription-info`

---

**Usage Guidelines** Use this command to view NF subscription information.

# paginate

Configures whether or not to paginate CLI command output.

---

**Command Modes** Exec

---

**Syntax Description** `paginate { true | false }`  
`{ true | false }`

Specify false to disable paginating CLI command output, and true to enable.

Must be either "false" or "true".

---

**Usage Guidelines** Use this command to paginate the command output.

# patch amf-ngap-ep

Configures patch amf-ngap-ep parameter.

---

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

---

**Syntax Description** **patch amf-ngap-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-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**
- **snsais**
- **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**
- **snsais**
- **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**
- **snsais**
- **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.

<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 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.

<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)

> Service 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*)

**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 ausf ausf-profile

Configures AUSF profile parameters.

---

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

---

**Syntax Description** `profile nf-client nf-type ausf ausf-profile profile_name`

**ausf-profile *profile\_name***

Specify name of the AUSF profile.

Must be a string.

---

**Usage Guidelines** 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>

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.

<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)
<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)

```
profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile endpoint-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 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.

<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 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.

<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 ausf ausf-profile locality service name type endpoint-profile endpoint-name primary 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 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.

<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 ausf ausf-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 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.

<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 ausf ausf-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 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.

**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.

profile nf-client nf-type ausf ausf-profile locality service name type endpoint-profile version uri-version

**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 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.

<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 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.

## 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 chf chf-profile locality service name type endpoint-profile endpoint-name primary ip-address

## 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.

<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)

> Service 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 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.

<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)

> Service 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 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.

<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 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.

<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 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.

<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 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- <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 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.

<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)

> Service 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.

<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 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.

<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.

profile nf-client nf-type eir eir-profile locality service name type endpoint-profile version uri-version

**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 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.

**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`) > `group nrf auth` > `service type nrf oauth2`

**Syntax Description**

```

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
    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.

profile nf-client nf-type group nrf auth service type nrf oauth2

**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 `Access-Token` 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-nsselection**

**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.

<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)

> Service 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.

<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 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 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* ]

**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.

<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 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
- 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.

<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 pcf pcf-profile locality service name type endpoint-profile endpoint-name primary 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 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.

<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 pcf pcf-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 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.

<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 pcf pcf-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 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> )
<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.

profile nf-client nf-type pcf pcf-profile locality service name type endpoint-profile version uri-version

**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 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.

<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 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.

## 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 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.

<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 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> )
<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 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.

<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 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.

<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 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.

<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 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 primary 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.

<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 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> )

profile nf-client nf-type smf smf-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 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.

<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.

profile nf-client nf-type smf smf-profile locality service name type endpoint-profile version uri-version

**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 udm udm-profile

Configures UDM profile parameters.

---

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

---

**Syntax Description** **profile nf-client nf-type udm udm-profile** *udm\_profile\_name*

**udm-profile** *udm\_profile\_name*

Specify name of the UDM profile.

Must be a string.

---

**Usage Guidelines** 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.

<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 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-profile_name) > Locality Configuration (config-locality-locality_name) > Service 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)

> Service 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**
- **AmfCommSMSStatusChangeNotify**
- **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-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)
<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)

(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.

```
profile nf-client-failure nf-type amf profile failure-handling service name type message type status-code httpv2
```

---

**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 http2

Configures HTTP2 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-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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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-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) > 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.

<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)
<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)

(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.

```
profile nf-client-failure nf-type chf profile failure-handling service name type message type status-code httpv2
```

**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*)

**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 http2

Configures HTTP2 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-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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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-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) > 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 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 NRFRegistration 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 http2

Configures HTTP2 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> )
<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> )

(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 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.

<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)
<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)

(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.

```
profile nf-client-failure nf-type pcf profile failure-handling service name type message type status-code httpv2
```

---

**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 http2

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-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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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-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) > 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)
<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)

### 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.

```
profile nf-client-failure nf-type smf profile failure-handling service name type message type status-code httpv2
```

**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 http2

Configures HTTP2 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-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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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- <i>profile_name</i> ) > 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-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) > 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-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.

---

<b>Command Modes</b>	Exec
----------------------	------

---

<b>Syntax Description</b>	<code>quit</code>
---------------------------	-------------------

---

<b>Usage Guidelines</b>	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.

## Command Modes

Exec > Global Configuration (config)

## Syntax Description

```
router bgp bgp [ learnDefaultRoute { false | true } | loopbackBFDPort
bfd_local_port_number | loopbackPort bgp_local_port_number ]
```

### **bgp** *bgp*

Specify the BGP.

Must be an integer.

### **learnDefaultRoute** { **false** | **true** }

Specify whether to enable or disable learning default route and adding it in kernel space.

Must be one of the following:

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

Default Value: false.

### **loopbackBFDPort** *bfd\_local\_port\_number*

Specify the BFD local port number.

Must be an integer.

Default Value: 3784.

### **loopbackPort** *bgp\_local\_port\_number*

Specify the BGP local port number.

Must be an integer.

Default Value: 179.

## Usage Guidelines

Use this command to configure the BGP speaker configuration.

# router bgplist bfd

Configures BFD configuration.

---

**Command Modes** Exec > Global Configuration (config) > Router Configuration (config-router-router)

---

**Syntax Description** **bfd** { **interval** *bfd\_interval* | **min\_rx** *bfd\_min\_rx* | **multiplier** *bfd\_interval\_multiplier* }

**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.

---

**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*) > TAI S 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*) > TAI  
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.

