



# Mobile Policy Services Repository Commands

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## clear subscriber

Clears subscriber session information.

### Command Modes

Exec

### Syntax Description

**clear subscriber** [ **imsi** *imsi* | **msisdn** *msisdn* ]

#### **imsi** *imsi*

Specify the IMSI.

Must be a string.

#### **msisdn** *msisdn*

Specify the MSISDN.

Must be a string.

**Usage Guidelines** Use this command to clear subscriber session information.

## deployment add config

Configures the cluster name and unified API external IP parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `deployment add config { cluster-name cluster_name | port port_number | unified-api-external-ip ip_address }`

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

Specify the cluster name.

Must be a string.

**port** *port\_number*

Specify the port number of the unified API service.

**unified-api-external-ip** *ip\_address*

Specify the external IP address of the unified API service.

**Usage Guidelines** Use this command to configure the cluster name and unified API external IP parameters.

## deployment remove-config

Removes the deployment configuration file.

**Command Modes** Exec

**Syntax Description** `deployment remove-config`

**Usage Guidelines** Use this command to remove the deployment configuration file.

## deployment show-config

Displays configuration information.

**Command Modes** Exec

**Syntax Description** `deployment show-config`

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

# group nf-mgmt

Configures the NF management group parameters.

## Command Modes

Exec > Global Configuration

## Syntax Description

```
group nf-mgmt group_name nrf-mgmt-group registerGroup { nrf-mgmt-group
mgmt_group_name | api-version api_version | locality group_locality}
```

### **api-version** *api\_version*

Specify the NF Management Service API version supported by the NRF.

Must be one of the following:

- **1.0.0**
- **1.0.2**

Default Value: 1.0.0.

### **load-report-enabled** { **false** | **true**}

Specify to enable or disable sending cluster load in NRF heartbeat requests.

Must be one of the following:

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

Default Value: true.

### **locality** *group\_locality*

Specify the NRF group locality.

Must be a string.

### **nrf-mgmt-group** *mgmt\_group\_name*

Specify the NRF management group name.

### **group\_name**

Specify the group name.

Must be a string.

## Usage Guidelines

Use this command to enter the NRF management group configuration.

## group nf-mgmt failover

Configures the failover SLA parameters.

---

**Command Modes** Exec > Global Configuration

---

**Syntax Description** **failover group nf-mgmt** *group\_name* **failover sla** *failover\_sla*  
  
***failover\_sla***

Specify the failover SLA value in milliseconds.

Must be an integer.

---

**Usage Guidelines** Use this command to configure the failover SLA parameters.

## group nf-mgmt reconnect

Configures the reconnect interval.

---

**Command Modes** Exec > Global Configuration

---

**Syntax Description** **reconnect interval** *reconnect\_interval*  
  
***reconnect\_interval***

Specify the reconnect interval in milliseconds.

Must be an integer.

---

**Usage Guidelines** Use this command to configure the reconnect interval.

## group nrf discovery

Configures NRF discovery group parameters.

---

**Syntax Description** **group nrf discovery** *group\_name*  
  
***group\_name***

Specify the discovery group name.

Must be a string.

---

**Usage Guidelines** Use this command to configure NRF discovery group parameters. Enters the NRF Discovery Configuration mode.

## group nrf discovery service type nrf

Configures the NRF discovery service type.

**Syntax Description** `group nrf discovery group_name service type nrf nnrf-disc service_type`

### ***service\_type***

Specify the NRF discovery service type.

Must be one of the following:

- **nnrf-disc**

**Usage Guidelines** Use this command to configure the NRF discovery service type.

## group nrf discovery service type nrf endpoint-profile

Configures the endpoint profile parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nnrf-disc endpoint-profile endpoint_profile_name { capacity endpoint_capacity | priority endpoint_priority | api-uri-prefix api_uri_prefix | api-root api_string | api-root api_string | uri-scheme uri_scheme}`

### **api-root *api\_string***

Specify the deployment-specific service API prefix that is used within the { apiRoot }.

Must be a string.

### **api-uri-prefix *api\_uri\_prefix***

Specify the API URI prefix. If not configured, it takes the standard API name for the service as per the specification.

Must be a string.

### **capacity *endpoint\_capacity***

Specify the node capacity for the endpoint.

Must be an integer.

Default Value: 10.

### **certificate-name *certificate\_name***

Specify the alias name for client certificate.

Must be a string.

**client-certificate** *client\_certificate*

Specify the client certificate in PEM format.

**client-key** *client\_key*

Specify the client private key in PEM format.

**name** *endpoint\_profile\_name*

Specify the endpoint profile name.

Must be a string.

**priority** *endpoint\_priority*

Specify the endpoint's priority.

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 the endpoint profile parameters.

## group nrf discovery service type nrf endpoint-profile endpoint-name

Configures endpoint name.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nrf-disc endpoint-profile endpoint_profile_name { priority endpoint_priority | capacity endpoint_capacity}`

**capacity** *endpoint\_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

**group nrf discovery service type nrf endpoint-profile endpoint-name primary ip-address**

**name *endpoint\_name***

Specify the endpoint name.

Must be a string.

**priority *endpoint\_priority***

Specify the priority for the service to select the appropriate profile using the load-balancing logic.

Must be an integer.

**Usage Guidelines**

Use this command to configure the endpoint name.

## group nrf discovery service type nrf endpoint-profile endpoint-name primary ip-address

Configures the IP address and port parameters.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
group nrf discovery discovery_group service type nrf nnrf-disc
endpoint-profile endpoint_profile endpoint-name endpoint_name { primary ip-address
  [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | secondary
ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | tertiary
ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] }
```

**fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

**ipv4 *ipv4\_address***

Specify the IPv4 address.

**ipv6 *ipv6\_address***

Specify the IPv6 address.

**fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

**ipv4 *ipv4\_address***

Specify the IPv4 address.



**ipv6 *ipv6\_address***

Specify the IPv6 address.

**port *port\_number***

Specify the port number.

**Usage Guidelines** Use this command to configure the IP address and port parameters.

## group nrf discovery service type nrf endpoint-profile endpoint-name secondary ip-address

Configures the IP address and port parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nrf-disc endpoint-profile endpoint_profile endpoint-name endpoint_name { primary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | secondary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | tertiary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ]}`

**fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

**ipv4 *ipv4\_address***

Specify the IPv4 address.

**ipv6 *ipv6\_address***

Specify the IPv6 address.

**fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

**ipv4 *ipv4\_address***

Specify the IPv4 address.

**ipv6 *ipv6\_address***

Specify the IPv6 address.

**group nrf discovery service type nrf endpoint-profile endpoint-name tertiary ip-address**

**port *port\_number***

Specify the port number.

**Usage Guidelines**

Use this command to configure the IP address and port parameters.

## group nrf discovery service type nrf endpoint-profile endpoint-name tertiary ip-address

Configures the IP address and port parameters.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
group nrf discovery discovery_group service type nrf nnrf-disc
endpoint-profile endpoint_profile endpoint-name endpoint_name { primary ip-address
  [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | secondary
ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | tertiary
  ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] }
```

**fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

**ipv4 *ipv4\_address***

Specify the IPv4 address.

**ipv6 *ipv6\_address***

Specify the IPv6 address.

**fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

**ipv4 *ipv4\_address***

Specify the IPv4 address.

**ipv6 *ipv6\_address***

Specify the IPv6 address.

**port *port\_number***

Specify the port number.

**Usage Guidelines**

Use this command to configure the IP address and port parameters.

## group nrf discovery service type nrf endpoint-profile version uri-version

Configures the URI version.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nrf-disc endpoint-profile endpoint_profile_name version uri_version full-version full_version`

**full-version *full\_version***

Specify the full URI version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*.

Must be a string.

***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.

## group nrf oauth2

Configures NRF oauth2 group parameters.

**Syntax Description** `group nrf oauth2 group_name`

***group\_name***

Specify the oauth2 group name.

Must be a string.

**Usage Guidelines** Use this command to configure NRF oauth2 group parameters. Enters the NRF oauth2 Configuration mode.

## group nrf oauth2 service type nrf

Configures the NRF oauth2 service type.

**Syntax Description** `group nrf oauth2 group_name service type nrf nrf-oauth2 service_type`

***service\_type***

Specify the NRF oauth2 service type.

Must be one of the following:

- **nnrf-disc**

**Usage Guidelines**

Use this command to configure the NRF oauth2 service type.

## group nrf oauth2 service type nrf endpoint-profile

Configures the endpoint profile parameters.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
group nrf oauth2 discovery_group service type nrf nnrf-oauth2 endpoint-profile
  endpoint_profile_name { capacity endpoint_capacity | priority endpoint_priority |
api-uri-prefix api_uri_prefix | api-root api_string | api-root api_string |
uri-scheme uri_scheme}
```

**api-root** *api\_string*

Specify the deployment-specific service API prefix that is used within the { apiRoot }.

Must be a string.

**api-uri-prefix** *api\_uri\_prefix*

Specify the API URI prefix. If not configured, it takes the standard API name for the service as per the specification.

Must be a string.

**capacity** *endpoint\_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

Default Value: 10.

**certificate-name** *certificate\_name*

Specify the alias name for client certificate.

Must be a string.

**client-certificate** *client\_certificate*

Specify the client certificate in PEM format.

**client-key** *client\_key*

Specify the client private key in PEM format.

**name** *endpoint\_profile\_name*

Specify the endpoint profile name.

Must be a string.

**priority *endpoint\_priority***

Specify the endpoint's priority.

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 the endpoint profile parameters.

## group nrf oauth2 service type nrf endpoint-profile endpoint-name

Configures endpoint name.

---

**Command Modes**

Exec > Global Configuration

---

**Syntax Description**

```
group nrf oauth2 discovery_group service type nrf nrf-oauth2 endpoint-profile
  endpoint_profile_name { priority endpoint_priority | capacity endpoint_capacity}
```

**capacity *endpoint\_capacity***

Specify the node capacity for the endpoint.

Must be an integer.

**name *endpoint\_name***

Specify the endpoint name.

Must be a string.

**priority *endpoint\_priority***

Specify the priority for the service to select the appropriate profile using the load-balancing logic.

Must be an integer.

---

**Usage Guidelines**

Use this command to configure the endpoint name.

**group nrf oauth2 service type nrf endpoint-profile endpoint-name primary ip-address**

## group nrf oauth2 service type nrf endpoint-profile endpoint-name primary ip-address

Configures the IP address and port parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf oauth2 oauth2_group service type nrf nrf-oauth2 endpoint-profile endpoint_profile endpoint-name endpoint_name { primary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | secondary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | tertiary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] }`

### **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

### **ipv4 *ipv4\_address***

Specify the IPv4 address.

### **ipv6 *ipv6\_address***

Specify the IPv6 address.

### **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

### **ipv4 *ipv4\_address***

Specify the IPv4 address.

### **ipv6 *ipv6\_address***

Specify the IPv6 address.

### **port *port\_number***

Specify the port number.

**Usage Guidelines** Use this command to configure the IP address and port parameters.

# group nrf oauth2 service type nrf endpoint-profile endpoint-name secondary ip-address

Configures the IP address and port parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf oauth2 oauth2_group service type nrf nrf-oauth2 endpoint-profile endpoint_profile endpoint-name endpoint_name { primary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | secondary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | tertiary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] }`

## **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

## **ipv4 *ipv4\_address***

Specify the IPv4 address.

## **ipv6 *ipv6\_address***

Specify the IPv6 address.

## **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

## **ipv4 *ipv4\_address***

Specify the IPv4 address.

## **ipv6 *ipv6\_address***

Specify the IPv6 address.

## **port *port\_number***

Specify the port number.

**Usage Guidelines** Use this command to configure the IP address and port parameters.

# group nrf oauth2 service type nrf endpoint-profile endpoint-name tertiary ip-address

Configures the IP address and port parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf oauth2 oauth2_group service type nrf nrf-disc endpoint-profile endpoint_profile endpoint-name endpoint_name { primary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | secondary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | tertiary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] }`

## **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

## **ipv4 *ipv4\_address***

Specify the IPv4 address.

## **ipv6 *ipv6\_address***

Specify the IPv6 address.

## **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

## **ipv4 *ipv4\_address***

Specify the IPv4 address.

## **ipv6 *ipv6\_address***

Specify the IPv6 address.

## **port *port\_number***

Specify the port number.

**Usage Guidelines** Use this command to configure the IP address and port parameters.



## group nrf oauth2 service type nrf endpoint-profile version uri-version

Configures the URI version.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf oauth2 oauth2_group service type nrf nrf-disc endpoint-profile endpoint_profile_name version uri_version full-version full_version`

### **full-version *full\_version***

Specify the full URI version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*.

Must be a string.

### ***uri\_version***

Specify the URI version.

Must be a string in the pattern v1.

**Usage Guidelines** Use this command to configure the URI version.

## group nrf mgmt

Configures the NRF management group parameters.

**Syntax Description** `group nrf mgmt mgmt_group_name`

### ***mgmt\_group\_name***

Specify the management group name.

Must be a string.

**Usage Guidelines** Use this command to configure the NRF management group parameters.

## group nrf mgmt service type nrf

Configures the NRF management service type.

**Syntax Description** `group nrf mgmt group_name service type nrf service_name`

### ***service\_name***

Specify the service name.

Must be one of the following:

- **nnrf-nfm**

**Usage Guidelines** Use this command to configure the NRF management service type.

## group nrf mgmt service type nrf endpoint-profile

Configures the endpoint profile parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nnrf-disc endpoint-profile endpoint_profile_name { capacity endpoint_capacity | priority endpoint_priority | api-uri-prefix api_uri_prefix | api-root api_string | api-root api_string | uri-scheme uri_scheme }`

### **api-root** *api\_string*

Specify the deployment-specific service API prefix that is used within the { apiRoot }.

Must be a string.

### **api-uri-prefix** *api\_uri\_prefix*

Specify the API URI prefix. If not configured, it takes the standard API name for the service as per the specification.

Must be a string.

### **capacity** *endpoint\_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

Default Value: 10.

### **certificate-name** *certificate\_name*

Specify the alias name for client certificate.

Must be a string.

### **client-certificate** *client\_certificate*

Specify the client certificate in PEM format.

### **client-key** *client\_key*

Specify the client private key in PEM format.

### **name** *endpoint\_profile\_name*

Specify the endpoint profile name.

Must be a string.

**priority** *endpoint\_priority*

Specify the endpoint's priority.

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 the endpoint profile parameters.

## group nrf mgmt service type nrf endpoint-profile endpoint-name

Configures endpoint name.

---

**Command Modes**

Exec > Global Configuration

---

**Syntax Description**

```
group nrf discovery discovery_group service type nrf nrf-disc
endpoint-profile endpoint_profile_name { priority endpoint_priority | capacity
endpoint_capacity}
```

**capacity** *endpoint\_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

**name** *endpoint\_name*

Specify the endpoint name.

Must be a string.

**priority** *endpoint\_priority*

Specify the priority for the service to select the appropriate profile using the load-balancing logic.

Must be an integer.

---

**Usage Guidelines**

Use this command to configure the endpoint name.

# group nrf mgmt service type nrf endpoint-profile endpoint-name primary ip-address

Configures the IP address and port parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nrf-disc endpoint-profile endpoint_profile endpoint-name endpoint_name { primary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | secondary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | tertiary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ]}`

## **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

## **ipv4 *ipv4\_address***

Specify the IPv4 address.

## **ipv6 *ipv6\_address***

Specify the IPv6 address.

## **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

## **ipv4 *ipv4\_address***

Specify the IPv4 address.

## **ipv6 *ipv6\_address***

Specify the IPv6 address.

## **port *port\_number***

Specify the port number.

**Usage Guidelines** Use this command to configure the IP address and port parameters.

# group nrf mgmt service type nrf endpoint-profile endpoint-name secondary ip-address

Configures the IP address and port parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nrf-disc endpoint-profile endpoint_profile endpoint-name endpoint_name { primary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | secondary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | tertiary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ]}`

## **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

## **ipv4 *ipv4\_address***

Specify the IPv4 address.

## **ipv6 *ipv6\_address***

Specify the IPv6 address.

## **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

## **ipv4 *ipv4\_address***

Specify the IPv4 address.

## **ipv6 *ipv6\_address***

Specify the IPv6 address.

## **port *port\_number***

Specify the port number.

**Usage Guidelines** Use this command to configure the IP address and port parameters.

# group nrf mgmt service type nrf endpoint-profile endpoint-name tertiary ip-address

Configures the IP address and port parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nrf-disc endpoint-profile endpoint_profile endpoint-name endpoint_name { primary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | secondary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ] | tertiary ip-address [ ipv4 ipv4_address | ipv6 ipv6_address | port port_number ]}`

## **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

## **ipv4 *ipv4\_address***

Specify the IPv4 address.

## **ipv6 *ipv6\_address***

Specify the IPv6 address.

## **fqdn *fqdn***

Specify the fully qualified domain name.

Must be a string.

## **ipv4 *ipv4\_address***

Specify the IPv4 address.

## **ipv6 *ipv6\_address***

Specify the IPv6 address.

## **port *port\_number***

Specify the port number.

**Usage Guidelines** Use this command to configure the IP address and port parameters.

## group nrf mgmt service type nrf endpoint-profile version uri-version

Configures the URI version.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nnrf-disc endpoint-profile endpoint_profile_name version uri_version full-version full_version`

**full-version *full\_version***

Specify the full URI version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*. Must be a string.

***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.

## profile nf-client nf-type bsf bsf-profile

Configures the BSF profile parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `profile nf-client nf-type bsf bsf-profile bsf_profile`

***bsf\_profile\_name***

Specify the BSF profile name.

Must be a string.

**Usage Guidelines** Use this command to configure the BSF profile parameters.

## profile nf-client nf-type bsf bsf-profile locality

Configures the locality parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `nf-client nf-type bsf profile nf-client nf-type bsf bsh-profile bsf_profile locality locality`

**priority** *locality\_priority*

Specify the locality priority.

Must be an integer.

Default Value: 65535.

**locality\_name**

Specify the locality name.

Must be a string.

**Usage Guidelines** Use this command to configure the locality parameters.

## profile nf-client nf-type bsf bsf-profile locality service name type

Configures the BSF service type.

**Command Modes** Exec > Global Configuration

**Syntax Description** `profile nf-client nf-type bsf chf-profile profile_name locality locality { priority priority | service service_name type service_type}`

**type** *service\_type*

Specify the service type.

Must be one of the following:

- **nbsf-management**

**Usage Guidelines** Use this command to configure the BSF service type.

## profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile

Configures the endpoint profile parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nnrf-disc endpoint-profile endpoint_profile_name { capacity endpoint_capacity | priority endpoint_priority | api-uri-prefix api_uri_prefix | api-root api_string | api-root api_string | uri-scheme uri_scheme}`



**api-root** *api\_string*

Specify the deployment-specific service API prefix that is used within the { apiRoot }.

Must be a string.

**api-uri-prefix** *api\_uri\_prefix*

Specify the API URI prefix. If not configured, it takes the standard API name for the service as per the specification.

Must be a string.

**capacity** *endpoint\_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

Default Value: 10.

**certificate-name** *certificate\_name*

Specify the alias name for client certificate.

Must be a string.

**client-certificate** *client\_certificate*

Specify the client certificate in PEM format.

**client-key** *client\_key*

Specify the client private key in PEM format.

**name** *endpoint\_profile\_name*

Specify the endpoint profile name.

Must be a string.

**priority** *endpoint\_priority*

Specify the endpoint's priority.

Must be an integer.

Default Value: 1.

**uri-scheme** *uri\_scheme*

Specify the URI scheme.

Must be one of the following:

- **http**
- **https**

`profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile endpoint-name`

Default Value: http.

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

## profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile endpoint-name

Configures endpoint name.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nnrf-disc endpoint-profile endpoint_profile_name { priority endpoint_priority | capacity endpoint_capacity}`

**capacity *endpoint\_capacity***

Specify the node capacity for the endpoint.

Must be an integer.

**name *endpoint\_name***

Specify the endpoint name.

Must be a string.

**priority *endpoint\_priority***

Specify the priority for the service to select the appropriate profile using the load-balancing logic.

Must be an integer.

**Usage Guidelines** Use this command to configure the endpoint name.

## profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile version uri-version

Configures the URI version.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nnrf-disc endpoint-profile endpoint_profile_name version uri_version full-version full_version`

**full-version *full\_version***

Specify the full URI version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*.

Must be a string.

***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.

## profile nf-client nf-type chf chf-profile

Configures the locality for the UDR profile.

**Syntax Description** `profile nf-client nf-type chf chf-profile chf_profile`

***chf\_profile\_name***

Specify the CHF profile name.

Must be a string.

**Usage Guidelines** Use this command to configure the locality for the CHF profile.

## profile nf-client nf-type chf chf-profile locality

Configures the locality for the CHF profile.

**Syntax Description** `nf-client nf-type chf profile nf-client nf-type chf chf-profile chf_profile  
locality locality`

***priority priority***

Specify the priority for the CHF local configuration."

Must be an integer.

Default Value: 65535.

***locality\_name***

Specify the locality name.

Must be a string.

**Usage Guidelines** Use this command to configure the locality for the CHF profile.

# profile nf-client nf-type chf chf-profile locality service name type

Configures the CHF service type.

**Command Modes** Exec > Global Configuration

**Syntax Description** `profile nf-client nf-type chf chf-profile profile_name locality locality { priority priority | service service_name type service_type}`

## **type service\_type**

Specify the CHF service type.

Must be one of the following:

- **nchf-spendinglimitcontrol**

**Usage Guidelines** Use this command to configure the CHF service type.

# profile nf-client nf-type chf chf-profile locality service name type endpoint-profile

Configures the endpoint profile parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `group nrf discovery discovery_group service type nrf nnrf-disc endpoint-profile endpoint_profile_name { capacity endpoint_capacity | priority endpoint_priority | api-uri-prefix api_uri_prefix | api-root api_string | api-root api_string | uri-scheme uri_scheme}`

## **api-root api\_string**

Specify the deployment-specific service API prefix that is used within the { apiRoot }.

Must be a string.

## **api-uri-prefix api\_uri\_prefix**

Specify the API URI prefix. If not configured, it takes the standard API name for the service as per the specification.

Must be a string.

## **capacity endpoint\_capacity**

Specify the node capacity for the endpoint.

Must be an integer.

Default Value: 10.

**certificate-name** *certificate\_name*

Specify the alias name for client certificate.

Must be a string.

**client-certificate** *client\_certificate*

Specify the client certificate in PEM format.

**client-key** *client\_key*

Specify the client private key in PEM format.

**name** *endpoint\_profile\_name*

Specify the endpoint profile name.

Must be a string.

**priority** *endpoint\_priority*

Specify the endpoint's priority.

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 the endpoint profile parameters.

## profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name

Configures endpoint name.

**Command Modes** Exec > Global Configuration

```
profile nf-client nf-type chf chf-profile locality service name type endpoint-profile version uri-version
```

**Syntax Description**

```
group nrf discovery discovery_group service type nrf nnrf-disc
endpoint-profile endpoint_profile_name { priority endpoint_priority | capacity
endpoint_capacity}
```

**capacity** *endpoint\_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

**name** *endpoint\_name*

Specify the endpoint name.

Must be a string.

**priority** *endpoint\_priority*

Specify the priority for the service to select the appropriate profile using the load-balancing logic.

Must be an integer.

**Usage Guidelines**

Use this command to configure the endpoint name.

## profile nf-client nf-type chf chf-profile locality service name type endpoint-profile version uri-version

Configures the URI version.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
group nrf discovery discovery_group service type nrf nnrf-disc
endpoint-profile endpoint_profile_name version uri_version full-version full_version
```

**full-version** *full\_version*

Specify the full URI version in the format *major-version.minor-version.patch-version.[alpha-draft-number]*.

Must be a string.

**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.

## profile nf-client nf-type udr udr-profile locality

Configures the locality for the UDR profile.

**Syntax Description** `profile nf-client nf-type udr udr-profile udr_profile locality locality [ priority priority | service udr_service ]`

**priority *priority***

Specify the priority for the UDR local configuration."

Must be an integer.

**udr-profile *udr\_profile\_name***

Specify the UDR profile name."

Must be a string.

**Usage Guidelines** Use this command to configure the locality for the UDR profile.

## profile nf-client nf-type udr udr-profile locality service name type

Configures UDR service type.

**Command Modes** Exec > Global Configuration

**Syntax Description** `profile nf-client nf-type udr udr-profile profile_name locality locality { priority priority | service service_name type service_type}`

**type *service\_type***

Specify the service type.

Must be one of the following:

- **nudr-dr**

**Usage Guidelines** Use this command to configure the UDR service type.

## profile nf-pair nf-type

Configures the NF type for the NF client pair configuration.

**Syntax Description** `profile nf-pair nf-type nf_type nrf-discovery-group group_name { subscription-enabled { false | true } | subscription-enabled { false | true } | subscription-extension extension_duration}`

**nrf-discovery-group *group\_name***

Specify the NRF discovery group name.

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

Specify to enable or disable the subscription to NRF for NF change.

Must be one of the following:

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

Default Value: false.

**subscription-extension *extension\_duration***

Specify the duration for which the subscription must be extended in minutes.

Must be an integer.

Default Value: 60.

***nf\_type***

Specify the NF type.

Must be one of the following:

- **BSF**
- **CHF**
- **UDR**

**Usage Guidelines**

Use this command to configure the NF type for the NF client pair configuration.

## profile nf-pair nf-type locality

Configures the locality parameters.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
profile nf-pair nf-type nf_type nrf-discovery-group group_name locality [
client client_locality | preferred-server preferred_server | geo-server geo_server
]
```

**client *client\_locality***

Specify the locality of the client.

**geo-server *geo\_service\_locality***

Specify the geo-server locality information.

Must be a string.



**preferred-server *preferred\_server\_locality***

Specify the preferred server locality information.

Must be a string.

**Usage Guidelines**

Use this command to configure the locality parameters.

## service-registration profile

Configures the network function profile parameters to enable discovery of the registered NFs, and when the discovery fails, the discovery is attempted on the local configuration.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
service-registration profile { allowed-plmns { mobile_country_code | mobile_network_code } | capacity profile_capacity | instance-id instance_id_pcf | locality pcf_location | nf-status nf_service_status | pcf-info { dnn-list | supi-ranges } | plmn-list { mobile_country_code | mobile_network_code } | priority profile_priority | snssais { slice_service_type | sd service_differentiator } }
```

**capacity *profile\_capacity***

Specify the PCFs profile's capacity.

Must be an integer.

**fqdn *fqdn***

Specify the fully qualified domain name of the PCF. For example, pcf.5gc.mnc123.mcc089.pub.3gppnetwork.org.

Must be a string.

**instance-id *pcf\_instance\_id***

Specify the PCF instance ID.

Must be a string.

**locality *pcf\_location***

Specify the location of the PCF.

Must be a string.

**capacity *profile\_capacity***

Specify the PCFs profile's capacity.

Must be an integer.

**fqdn fqdn**

Specify the fully qualified domain name of the PCF. For example, pcf.5gc.mnc123.mcc089.pub.3gppnetwork.org.

Must be a string.

**instance-id pcf\_instance\_id**

Specify the PCF instance ID.

Must be a string.

**locality pcf\_location**

Specify the location of the PCF.

Must be a string.

**priority profile\_priority**

Specify the PCF profile's priority.

Must be an integer.

**nf\_service\_status**

Specify the PCF service status.

Must be one of the following:

- REGISTERED
- UNDISCOVERABLE

Default Value: REGISTERED.

**Usage Guidelines**

Use this command to configure the network function profile.

## service-registration profile allowed-plmns

Configures PLMNs allowed to access the network function.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
service-registration profile allowed-plmns { mobile_country_code | mobile_network_code }
```

**mobile\_country\_code**

Specify the Mobile Country Code.

Must be a string in the pattern \d{3}.

***mobile\_network\_code***

Specify the Mobile Network Code.

Must be a string in the pattern `\d{2,3}`.

**Usage Guidelines**

Use this command to configure PLMNs allowed to access the network function.

## service-registration profile pcf-info

Configures the PCF parameters.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
service-registration profile pcf-info { dnn-list dnn_list_name | supi-ranges
supi_range_id [ start start_value | pattern range_pattern | end end_value ] }
```

***dnn\_list***

Specify the DNNs supported by the PCF.

Must be a string.

**Usage Guidelines**

Use this command to configure PCF parameters.

## service-registration profile pcf-info supi-ranges

Configures the list of SUPI ranges, which the PCF instance serves.

**Command Modes**

Exec > Global Configuration

**Syntax Description**

```
service-registration profile pcf-info supi-ranges supi_range_id [ start
start_value | pattern range_pattern | end end_value ]
```

***end end\_value***

Specify the last value of the SUPI range.

Must be a string in the pattern `[0-9]+`.

***pattern range\_pattern***

Specify the regular expression according to the ECMA-262 dialect that represents the set of SUPIs belonging to the specified range.

Must be a string.

***start start\_value***

Specify the first value of the SUPI range.

Must be a string in the pattern `[0-9]+`.

***supi\_range\_id***

Specify the SUPI range identifier.

Must be a string.

**Usage Guidelines** Use this command to configure the list of SUPI ranges, which the PCF instance serves.

## service-registration profile plmn-list

Configures the PLMNs of the network function.

**Command Modes** Exec > Global Configuration

**Syntax Description** `service-registration profile plmn-list { mobile_country_code | mobile_network_code }`

***mobile\_country\_code***

Specify the Mobile Country Code.

Must be a string in the pattern `\d{3}`.

***mobile\_network\_code***

Specify the Mobile Network Code.

Must be a string in the pattern `\d{2,3}`.

**Usage Guidelines** Use this command to configure the PLMNs of the network function.

## service-registration profile snssais

Configures the S-NSSAIs of the network function.

**Command Modes** Exec > Global Configuration

**Syntax Description** `service-registration profile snssais { slice_service_type | sd service_differentiator }`

***sd slice\_differentiator***

Specify the Slice Differentiator value.

Must be a string.

***slice\_service\_type***

Specify the Slice or Service Types value.

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

**Usage Guidelines** Use this command to configure the S-NSSAIs of the network function.

## service-registration services

Configures the service parameters.

**Command Modes** Exec > Global Configuration

**Syntax Description** `service-registration services services_name`

### **api-version *api\_version***

Specify the API version.

Must be one of the following:

- 1.0.0
- 1.0.2

Default Value: 1.0.0.

### ***service\_name***

Specify the service name.

Must be one of the following:

- amfService
- smfService

**Usage Guidelines** Use this command to configure the service parameters.

## service-registration services allowed-nssais

**Command Modes** Exec > Global Configuration

**Syntax Description** `service-registration services service_name allowed-nssais { slice_service_type | sd service_differentiator }`

### ***sd slice\_differentiator***

Specify the Slice Differentiator value.

Must be a string.

### ***slice\_service\_type***

Specify the Slice or Service Types value.

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

**Usage Guidelines** Use this command to configure the S-NSSAIs allowed of the NF service instance.

## service-registration services allowed-plmns

Configures the PLMNs allowed to access the NF service instance.

### Command Modes

Exec > Global Configuration

### Syntax Description

**service-registration services** *service\_name* **allowed-plmns** { *mobile\_country\_code* | *mobile\_network\_code* }

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

Specify the Mobile Country Code.

Must be a string in the pattern `\d{3}`.

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

Specify the Mobile Network Code.

Must be a string in the pattern `\d{2,3}`.

### Usage Guidelines

Use this command to configure the PLMNs allowed to access the NF service instance.

## show subscriber

Displays subscriber session information.

### Command Modes

Exec

### Syntax Description

**show subscriber** [ **imsi** *imsi* | **msisdn** *msisdn* ]

#### **imsi** *imsi*

Specify the IMSI.

Must be a string.

#### **msisdn** *msisdn*

Specify the MSISDN.

Must be a string.

### Usage Guidelines

Use this command to view subscriber session information.