



Mobile Services Repository Commands

- [deployment add config, on page 3](#)
- [deployment remove-config, on page 3](#)
- [deployment show-config, on page 3](#)
- [group nf-mgmt, on page 4](#)
- [group nf-mgmt failover, on page 4](#)
- [group nf-mgmt reconnect, on page 5](#)
- [group nrf discovery, on page 5](#)
- [group nrf discovery service type nrf, on page 6](#)
- [group nrf discovery service type nrf endpoint-profile, on page 6](#)
- [group nrf discovery service type nrf endpoint-profile endpoint-name, on page 7](#)
- [group nrf discovery service type nrf endpoint-profile endpoint-name primary ip-address, on page 8](#)
- [group nrf discovery service type nrf endpoint-profile endpoint-name secondary ip-address, on page 8](#)
- [group nrf discovery service type nrf endpoint-profile endpoint-name tertiary ip-address, on page 9](#)
- [group nrf discovery service type nrf endpoint-profile version uri-version, on page 10](#)
- [group nrf mgmt, on page 11](#)
- [group nrf mgmt service type nrf, on page 11](#)
- [group nrf mgmt service type nrf endpoint-profile, on page 11](#)
- [group nrf mgmt service type nrf endpoint-profile endpoint-name, on page 12](#)
- [group nrf mgmt service type nrf endpoint-profile endpoint-name primary ip-address, on page 13](#)
- [group nrf mgmt service type nrf endpoint-profile endpoint-name secondary ip-address, on page 14](#)
- [group nrf mgmt service type nrf endpoint-profile endpoint-name tertiary ip-address, on page 15](#)
- [group nrf mgmt service type nrf endpoint-profile version uri-version, on page 15](#)
- [profile nf-client nf-type bsf bsf-profile, on page 16](#)
- [profile nf-client nf-type bsf bsf-profile locality, on page 16](#)
- [profile nf-client nf-type bsf bsf-profile locality service name type, on page 17](#)
- [profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile, on page 17](#)
- [profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile endpoint-name, on page 18](#)
- [profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile endpoint-name primary ip-address, on page 19](#)
- [profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile endpoint-name secondary ip-address, on page 20](#)
- [profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address, on page 21](#)

- [profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile version uri-version, on page 21](#)
- [profile nf-client nf-type chf chf-profile, on page 22](#)
- [profile nf-client nf-type chf chf-profile locality, on page 22](#)
- [profile nf-client nf-type chf chf-profile locality service name type, on page 23](#)
- [profile nf-client nf-type chf chf-profile locality service name type endpoint-profile, on page 23](#)
- [profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name, on page 24](#)
- [profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name primary ip-address, on page 25](#)
- [profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name secondary ip-address, on page 26](#)
- [profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address, on page 27](#)
- [profile nf-client nf-type chf chf-profile locality service name type endpoint-profile version uri-version, on page 27](#)
- [profile nf-client nf-type udr udr-profile locality, on page 28](#)
- [profile nf-client nf-type udr udr-profile locality service name type, on page 28](#)
- [profile nf-client nf-type udr udr-profile locality service name type endpoint-profile, on page 29](#)
- [profile nf-client nf-type udr udr-profile locality service name type endpoint-profile endpoint-name, on page 30](#)
- [profile nf-client nf-type udr udr-profile locality service name type endpoint-profile endpoint-name primary ip-address, on page 31](#)
- [profile nf-client nf-type udr udr-profile locality service name type endpoint-profile endpoint-name secondary ip-address, on page 31](#)
- [profile nf-client nf-type udr udr-profile locality service name type endpoint-profile endpoint-name tertiary ip-address, on page 32](#)
- [profile nf-client nf-type udr udr-profile locality service name type endpoint-profile version uri-version, on page 33](#)
- [profile nf-pair nf-type, on page 33](#)
- [profile nf-pair nf-type locality, on page 34](#)
- [rest discover-cache chf, on page 35](#)
- [rest discover-cache udr, on page 36](#)
- [rest registration-status, on page 37](#)
- [service-registration profile, on page 37](#)
- [service-registration profile allowed-plmns, on page 38](#)
- [service-registration profile pcf-info, on page 39](#)
- [service-registration profile pcf-info supi-ranges, on page 39](#)
- [service-registration profile plmn-list, on page 40](#)
- [service-registration profile snssais, on page 40](#)
- [service-registration services, on page 41](#)
- [service-registration services allowed-nssais, on page 41](#)
- [service-registration services allowed-plmns, on page 42](#)
- [subscriber session, on page 42](#)

deployment add config

Configures the cluster name and unified API external IP parameters.

Privilege Security Administrator, Administrator

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.

unified-api-external-ip *ip_address*

Specify the external IP address of the unified API service.

Must be an IP address.

port *port_number*

Specify the external port number of the unified API service.

Must be a port number.

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

deployment remove-config

Removes the configuration file.

Privilege Security Administrator, Administrator

Command Modes Exec

Syntax Description **deployment remove-config**

Usage Guidelines Use this command to remove the configuration file.

deployment show-config

Displays configuration information.

Privilege Security Administrator, Administrator

Command Modes	Exec
Syntax Description	<code>deployment show-config</code>
Usage Guidelines	Use this command to view the configuration information.

group nf-mgmt

Configures the NF management group parameters.

Privilege	Security Administrator, Administrator
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Command Modes	Exec > Global Configuration
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Syntax Description	<code>group nf-mgmt <i>group_name</i> nrf-mgmt-group registerGroup { nrf-mgmt-group <i>mgmt_group_name</i> api-version <i>api_version</i> locality <i>group_locality</i> }</code>
---------------------------	---

group_name

Specify the group name.

Must be a string.

nrf-mgmt-group *mgmt_group_name*

Specify the NRF management group name.

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.

locality *group_locality*

Specify the NRF group locality.

Must be a string.

Usage Guidelines	Use this command to enter the NRF management group configuration.
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group nf-mgmt failover

Configures the failover SLA parameters.

Privilege	Security Administrator, Administrator
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Command Modes	Exec > Global Configuration
Syntax Description	<pre>failover group nf-mgmt <i>group_name</i> failover sla <i>failover_sla</i></pre> <p><i>failover_sla</i></p> <p>Specify the failover SLA value in milliseconds.</p> <p>Must be an integer.</p>
Usage Guidelines	Use this command to configure the failover SLA parameters.

group nf-mgmt reconnect

Configures the reconnect interval.

Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration
Syntax Description	<pre>reconnect interval <i>reconnect_interval</i></pre> <p><i>reconnect_interval</i></p> <p>Specify the reconnect interval in milliseconds.</p> <p>Must be an integer.</p>
Usage Guidelines	Use this command to configure the reconnect interval.

group nrf discovery

Configures NRF discovery group parameters.

Privilege	Security Administrator, Administrator
Syntax Description	<pre>group nrf discovery <i>group_name</i></pre> <p><i>group_name</i></p> <p>Specify the discovery group name.</p> <p>Must be a string.</p>
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.

Privilege

Security Administrator, Administrator

Syntax Description

group nrf discovery *group_name* **service type nrf nnrf-disc** *service_type*

service_type

Specify the NRF discovery service type.

Must be 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.

Privilege

Security Administrator, Administrator

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* }

name *endpoint_profile_name*

Specify the endpoint profile name.

Must be a string.

capacity *endpoint_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

Default Value: 10.

priority *endpoint_priority*

Specify the endpoint's priority.

Must be an integer.

Default Value: 1.

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.

api-root *api_string*

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

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 the endpoint profile parameters.

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

Configures endpoint name.

Privilege

Security Administrator, Administrator

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 }
```

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.

capacity *endpoint_capacity*

Specify the node capacity for the endpoint.

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

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.

Privilege Security Administrator, Administrator

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] }`

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

port *port_number*

Specify the port number.

Must be a 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.

Privilege Security Administrator, Administrator

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] }`

ipv4 ipv4_address

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 ipv6_address

Specify the IPv6 address.

Must be an IPv6 address.

fqdn fqdn

Specify the fully qualified domain name.

Must be a string.

port port_number

Specify the port number.

Must be a 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.

Privilege Security Administrator, Administrator

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] }`

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

port *port_number*

Specify the port number.

Must be a 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.

Privilege Security Administrator, Administrator

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`

uri_version

Specify the URI version.

Must be a string in the pattern '*v\d*'.

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.

Usage Guidelines Use this command to configure the URI version.

group nrf mgmt

Configures the NRF management group parameters.

Privilege Security Administrator, Administrator

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.

Privilege Security Administrator, Administrator

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

service_name

Specify the service name.

Must be 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.

Privilege Security Administrator, Administrator

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 }`

name *endpoint_profile_name*

Specify the endpoint profile name.

Must be a string.

capacity *endpoint_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

Default Value: 10.

priority *endpoint_priority*

Specify the endpoint's priority.

Must be an integer.

Default Value: 1.

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.

api-root *api_string*

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

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 the endpoint profile parameters.

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

Configures endpoint name.

Privilege

Security Administrator, Administrator

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 }
```

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.

capacity *endpoint_capacity*

Specify the node capacity for the endpoint.

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.

Privilege

Security Administrator, Administrator

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 ] }
```

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

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

port *port_number*

Specify the port number.

Must be a 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.

Privilege

Security Administrator, Administrator

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 ] }
```

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

port *port_number*

Specify the port number.

Must be a 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.

Privilege Security Administrator, Administrator

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*] }

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

port *port_number*

Specify the port number.

Must be a 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.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description	<pre>group nrf discovery <i>discovery_group</i> service type nrf nnrf-disc endpoint-profile <i>endpoint_profile_name</i> version <i>uri_version</i> full-version <i>full_version</i> <i>uri_version</i> Specify the URI version. Must be a string in the pattern '\d'. full-version <i>full_version</i> Specify the full URI version in the format <i>major-version.minor-version.patch-version.[alpha-draft-number]</i>. Must be a string.</pre>
Usage Guidelines	Use this command to configure the URI version.

profile nf-client nf-type bsf bsf-profile

Configures the BSF profile parameters.

Privilege Security Administrator, Administrator

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.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

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

locality_name

Specify the locality name.

Must be a string.

priority locality_priority

Specify the locality priority.

Must be an integer.

Default Value: 65535.

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.

Privilege Security Administrator, Administrator

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 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.

Privilege Security Administrator, Administrator

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 }`

name endpoint_profile_name

Specify the endpoint profile name.

Must be a string.

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

capacity *endpoint_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

Default Value: 10.

priority *endpoint_priority*

Specify the endpoint's priority.

Must be an integer.

Default Value: 1.

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.

api-root *api_string*

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

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 the endpoint profile parameters.

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

Configures endpoint name.

Privilege Security Administrator, Administrator

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 }`

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.

capacity *endpoint_capacity*

Specify the node capacity for the endpoint.

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 endpoint-name primary ip-address

Configures the IP address and port parameters.

Privilege Security Administrator, Administrator

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 ] }
```

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile endpoint-name secondary ip-address

port *port_number*

Specify the port number.

Must be a port number.

Usage Guidelines

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

profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile endpoint-name secondary ip-address

Configures the IP address and port parameters.

Privilege

Security Administrator, Administrator

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 ] }
```

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

port *port_number*

Specify the port number.

Must be a port number.

Usage Guidelines

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

profile nf-client nf-type bsf bsf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the IP address and port parameters.

Privilege Security Administrator, Administrator

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*] }

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

port *port_number*

Specify the port number.

Must be a port number.

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

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

Configures the URI version.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description	<pre>group nrf discovery <i>discovery_group</i> service type nrf nnrf-disc endpoint-profile <i>endpoint_profile_name</i> version <i>uri_version</i> full-version <i>full_version</i> <i>uri_version</i> Specify the URI version. Must be a string in the pattern '\d'. full-version <i>full_version</i> Specify the full URI version in the format <i>major-version.minor-version.patch-version.[alpha-draft-number]</i>. Must be a string.</pre>
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.

Privilege Security Administrator, Administrator

Syntax Description	<pre>profile nf-client nf-type chf chf-profile <i>chf_profile</i> <i>chf_profile_name</i> Specify the CHF profile name. Must be a string.</pre>
---------------------------	--

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.

Privilege Security Administrator, Administrator

Syntax Description	<pre>nf-client nf-type chf profile nf-client nf-type chf chf-profile <i>chf_profile</i> locality <i>locality</i> <i>locality_name</i> Specify the locality name. Must be a string. priority <i>priority</i> Specify the priority for the CHF local configuration."</pre>
---------------------------	--

Must be an integer.

Default Value: 65535.

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.

Privilege

Security Administrator, Administrator

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 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.

Privilege

Security Administrator, Administrator

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 }
```

name *endpoint_profile_name*

Specify the endpoint profile name.

Must be a string.

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

capacity *endpoint_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

Default Value: 10.

priority *endpoint_priority*

Specify the endpoint's priority.

Must be an integer.

Default Value: 1.

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.

api-root *api_string*

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

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 the endpoint profile parameters.

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

Configures endpoint name.

Privilege Security Administrator, Administrator

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 }`

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.

capacity *endpoint_capacity*

Specify the node capacity for the endpoint.

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 endpoint-name primary ip-address

Configures the IP address and port parameters.

Privilege Security Administrator, Administrator

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 ] }
```

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name secondary ip-address

port *port_number*

Specify the port number.

Must be a port number.

Usage Guidelines

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

profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name secondary ip-address

Configures the IP address and port parameters.

Privilege

Security Administrator, Administrator

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 ] }
```

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

port *port_number*

Specify the port number.

Must be a port number.

Usage Guidelines

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

profile nf-client nf-type chf chf-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the IP address and port parameters.

Privilege Security Administrator, Administrator

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*] }

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

port *port_number*

Specify the port number.

Must be a port number.

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

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

Configures the URI version.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description	<pre>group nrf discovery <i>discovery_group</i> service type nrf nnrf-disc endpoint-profile <i>endpoint_profile_name</i> version <i>uri_version</i> full-version <i>full_version</i> uri_version Specify the URI version. Must be a string in the pattern '\d'. full-version <i>full_version</i> Specify the full URI version in the format <i>major-version.minor-version.patch-version.[alpha-draft-number]</i>. Must be a string.</pre>
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.

Privilege Security Administrator, Administrator

Syntax Description	<pre>profile nf-client nf-type udr udr-profile <i>udr_profile</i> locality <i>locality</i> [priority <i>priority</i> service <i>udr_service</i>] udr-profile <i>udr_profile_name</i> Specify the UDR profile name." Must be a string. priority <i>priority</i> Specify the priority for the UDR local configuration." Must be an integer.</pre>
---------------------------	---

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.

Privilege Security Administrator, Administrator

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 nudr-dr.

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

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

Configures the endpoint profile parameters.

Privilege Security Administrator, Administrator

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 }`

name endpoint_profile_name

Specify the endpoint profile name.

Must be a string.

capacity endpoint_capacity

Specify the node capacity for the endpoint.

Must be an integer.

Default Value: 10.

priority endpoint_priority

Specify the endpoint's priority.

Must be an integer.

Default Value: 1.

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.

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

api-root *api_string*

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

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 the endpoint profile parameters.

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

Configures endpoint name.

Privilege

Security Administrator, Administrator

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 }
```

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.

capacity *endpoint_capacity*

Specify the node capacity for the endpoint.

Must be an integer.

Usage Guidelines

Use this command to configure the endpoint name.

profile nf-client nf-type udr udr-profile locality service name type endpoint-profile endpoint-name primary ip-address

Configures the IP address and port parameters.

Privilege Security Administrator, Administrator

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] }`

ipv4 ipv4_address

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 ipv6_address

Specify the IPv6 address.

Must be an IPv6 address.

fqdn fqdn

Specify the fully qualified domain name.

Must be a string.

port port_number

Specify the port number.

Must be a port number.

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

profile nf-client nf-type udr udr-profile locality service name type endpoint-profile endpoint-name secondary ip-address

Configures the IP address and port parameters.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

profile nf-client nf-type udr udr-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

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 ] }
```

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

port *port_number*

Specify the port number.

Must be a port number.

Usage Guidelines

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

profile nf-client nf-type udr udr-profile locality service name type endpoint-profile endpoint-name tertiary ip-address

Configures the IP address and port parameters.

Privilege

Security Administrator, Administrator

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 ] }
```

ipv4 *ipv4_address*

Specify the IPv4 address.

Must be an IPv4 address.

ipv6 *ipv6_address*

Specify the IPv6 address.

Must be an IPv6 address.

fqdn *fqdn*

Specify the fully qualified domain name.

Must be a string.

port *port_number*

Specify the port number.

Must be a port number.

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

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

Configures the URI version.

Privilege Security Administrator, Administrator

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*

uri_version

Specify the URI version.

Must be a string in the pattern '\d'.

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.

Usage Guidelines Use this command to configure the URI version.

profile nf-pair nf-type

Configures the NF type for the NF client pair configuration.

Privilege Security Administrator, Administrator

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 }
```

nf_type

Specify the NF type.

Must be one of the following:

- UDR
- CHF
- BSF

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 either "false" or "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.

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.

Privilege

Security Administrator, Administrator

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.

preferred-server *preferred_server_locality*

Specify the preferred server locality information.

Must be a string.

geo-server *geo_service_locality*

Specify the geo-server locality information.

Must be a string.

Usage Guidelines Use this command to configure the locality parameters.

rest discover-cache chf

Displays PCF Discover cache for CHF.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description **show discover-cache chf**

nf_type

Specify the NF type.

Must be a string.

chf_instance_id

Specify the CHF instance ID.

Must be a string.

nf_status

Specify whether the PCF instance is registered to the NRF.

Must be a string.

ipv4_address

Specify the CHF IPv4 address.

Must be a string.

port_number

Specify the CHF port number.

Must be a port number.

expiry_duration

Specify the expiry period in seconds.

Must be a string.

Usage Guidelines Use this command to view PCF Discover cache for CHF.

rest discover-cache udr

Displays PCF Discover cache for UDR.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description `show discover-cache udr`

nf_type

Specify the NF type.

Must be a string.

chf_instance_id

Specify the CHF instance ID.

Must be a string.

nf_status

Specify whether the PCF instance is registered to the NRF.

Must be a string.

ipv4_address

Specify the CHF IPv4 address.

Must be a string.

port_number

Specify the CHF port number.

Must be a port number.

expiry_duration

Specify the expiry period in seconds.

Must be a string.

Usage Guidelines Use this command to view PCF Discover cache for UDR.

rest registration-status

Displays the NRF's registration status.

Privilege Security Administrator, Administrator

Syntax Description `show rest registration-status`

ip_address

Displays the PCF pod IP address.

Must be a string.

registered { false | true }

Displays the registration status of the NRF instance.

Must be a string.

NRF URI ID

Displays the registered NRF URI.

Must be a string.

Usage Guidelines Use this command to display the NRF's registration status.

Example

The following command configures the traffic steering:

```
traffic engine default-destination test
```

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.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description `service-registration profile { allowed-plmns { mcc | mnc } | capacity profile_capacity | fqdn fqdn | instance-id instance_id_pcf | locality pcf_location | nf-status nf_service_status | pcf-info { dnn-list | supi-ranges } | plmn-list { mcc | mnc } | priority profile_priority | snssais { sst | sd sd } }`

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 PCF's profile's capacity.

Must be an integer.

fqdn *fqdn*

Specify the FQDN address of the PCF.

Must be an integer.

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.

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration

Syntax Description

service-registration profile allowed-plmns { *mcc* | *mnc* }

mcc

Specify the Mobile Country Code.

Must be a string.

mnc

Specify the Mobile Network Code.

Must be a string.

Usage Guidelines

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

service-registration profile pcf-info

Configures the PCF parameters.

Privilege

Security Administrator, Administrator

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.

Privilege

Security Administrator, Administrator

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 ]
```

supi_range_id

Specify the SUPI range identifier.

Must be a string.

start start_value

Specify the first value of the SUPI range.

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

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.

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.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description `service-registration profile plmn-list { mcc | mnc }`

mcc

Specify the Mobile Country Code.

Must be a string.

mnc

Specify the Mobile Network Code.

Must be a string.

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.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description `service-registration profile snssais { sst | sd sd }`

sst

Specify the Slice or Service Types value.

Must be an integer.

sd sd

Specify the Slice Differentiator value.

Must be a string.

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

service-registration services

Configures the service parameters.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description `service-registration services services_name`

service_name

Specify the service name.

Must be one of the following:

- amfService
- smfService

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.

Usage Guidelines Use this command to configure the service parameters.

service-registration services allowed-nssais

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description `service-registration services service_name allowed-nssais { sst | sd sd }`

ssf

Specify the Slice or Service Types value.

Must be an integer.

sd sd

Specify the Slice Differentiator value.

Must be a string.

Usage Guidelines Use this command to configure the allowed NSSAIs.

service-registration services allowed-plmns

Configures the PLMN parameters.

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration

Syntax Description `service-registration services service_name allowed-plmns { mcc | mnc }`

mcc

Specify the Mobile Country Code.

Must be a string.

mnc

Specify the Mobile Network Code.

Must be a string.

Usage Guidelines Use this command to configure the PLMN parameters.

subscriber session

Displays subscriber session information.

Privilege Security Administrator, Administrator

Command Modes Exec

Syntax Description `subscriber session [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.

