

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.

certficate-name *certficate_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 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.

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 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 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 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.

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.

certficate-name *certficate_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 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.

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 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 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 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 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 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 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.

certficate-name *certficate_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 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.

certficate-name *certficate_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

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*

Specifiy the NRF discovery group name.

subscription-enabled { false | true}

Specifiy 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

Specifiy 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.