



Subscription Concealed Identifier Profile

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Feature Summary and Revision History

Summary Data

Table 1: Summary Data

| | |
|--|---------------------|
| Applicable Product(s) or Functional Area | AMF |
| Applicable Platform(s) | SMI |
| Feature Default Setting | Enabled - Always-on |
| Related Documentation | Not Applicable |

Revision History

Table 2: Revision History

| Revision Details | Release |
|-------------------|-----------|
| First introduced. | 2021.04.0 |

Feature Description

Subscription Concealed Identifier (SUCI) is a privacy-preserving identifier that contains the SUPI in a concealed method.

SUCI consists of the SUPI, Routing Indicator (RI), Protection Scheme Identifier, Home Network Public Key Identifier, and Scheme Output. The AMF derives the SUPI when all the other parameters besides the SUPI are decrypted during the Registration Request sent from the UE to the AMF.



Note The AMF can derive the SUPI value from SUCI only when the null-scheme is supported.

The AMF derives RI to enable routing of the network signaling with SUCI to AUSF. If the service provider has configured the SUCI profile, then RI is used for the AUSF and the UDM discovery.



Note AMF supports only the IMSI type SUPI.

Feature Configuration

To configure this feature, use the following configuration:

```
config
  profile network-element { ausf | udm }
    query-params [ routing-indicator ]
  end
```

NOTES:

- **profile network-element { ausf | udm }**—Configure the peer network element configuration.
- **query-params [routing-indicator]**—Configure the query parameters for the network element's discovery. The network element specified in the previous step is considered for the discovery.

Configuration Example

The following is an example configuration.

```
config
  profile network-element ausf
    query-params routing-indicator
  exit
  profile network-element udm
    query-params routing-indicator
  end
```