

Configure SCTP DNS

OPERATING INSTRUCTIONS

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1 Description

This instruction describes how to configure DNS support on the SS7 SCTP product using the Ericsson Command-Line Interface (ECLI).

The following parameter can be configured:

- Address of DNS server
- DNS suffix
- DNS time-out
- Support of DNS in SCTP protocol

2 Procedure

2.1 Configure SCTP DNS

Prerequisites

- No documents are required.
- No tools are required.
- The following conditions must apply:
 - An SctpProfile Managed Object (MO) exists.
 - An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.

Steps

1. Navigate to the `CommonParts` MO, for example:
`>ManagedElement=1,Transport=1,SctpSystem=1,CommonParts=1`
2. Enter Config mode:
`(CommonParts=1)>configure`
3. Set the DNS Server Address string, for example:
`(config-CommonParts=1)>dnsServerIpAddress="8.8.8.8"`



4. Set the DNS Suffix string (optional), for example:

```
(config-CommonParts=1)>dnsSuffix=""
```

5. Set DNS time-out in 1/10 of seconds (the value 1 means 100ms), for example:

```
(config-CommonParts=1)>timeoutHostName=30
```

6. Navigate to the `SctpProfile` MO, for example:

```
(config-CommonParts=1)>dn ManagedElement=1,Transport=1,Sctp=1  
,SctpProfile=1
```

7. Set DNS Support in SCTP:

```
(config-SctpProfile=1)>dnsSupport=<value>
```

Possible values are NOT_SUPPORTED, IN_USER_PRIMITIVES_ONLY, IN_INIT_AND_INIT_ACK_CHUNKS_ONLY, and SUPPORTED.

8. Commit the changes:

```
(config-SctpProfile=1)>commit
```

9. Verify the changes in the `CommonParts` MO, for example:

```
>show ManagedElement=1,Transport=1,SctpSystem=1,CommonParts=1
```

The following is an example output:

```
CommonParts=1  
  dnsServerIpAddress="8.8.8.8"  
  timeoutHostName=30
```

10. Verify the changes in the `SctpProfile` MO, for example:

```
>show ManagedElement=1,Transport=1,Sctp=1,SctpProfile=1
```

The following is an example output:

```
SctpProfile=1  
  dnsSupport=SUPPORTED
```