

# Configure Peer Node and Connections

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## OPERATING INSTRUCTIONS

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# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Prerequisites	1
<b>2</b>	<b>Procedure</b>	<b>3</b>





# 1 Introduction

This document describes how to configure a Diameter peer node and the associated connection, or connections, to the own node.

## 1.1 Prerequisites

This section describes the prerequisites, which must be fulfilled before using the procedure.

### 1.1.1 Conditions

The following conditions must apply:

- The following mandatory attributes are known:
  - The unique node identifier, formatted as a case-insensitive, and extended Fully Qualified Domain Name (FQDN). The identifier is composed of the unique node identifier of the peer node, and the Diameter stack identifier assigned to the own node to connect to.
  - The unique identifier of the Diameter connection between the own node and the peer node to configure.
- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.





## 2 Procedure

To configure a peer node and connections:

1. Navigate to the *DIA-CFG-PeerNodeContainer* Managed Object (MO), for example:

```
>dn ManagedElement=NODE06ST,XYZFunction=xyz,DIA-CFG-App
lication=DIA,DIA-CFG-StackContainer=abc,DIA-CFG-PeerNo
deContainer=abc
```

2. Enter Config mode:

```
(DIA-CFG-PeerNodeContainer=abc) >configure
```

3. Create the *DIA-CFG-NeighbourNode* MO, for example:

```
(config-DIA-CFG-PeerNodeContainer=abc) >DIA-CFG-Neighbou
rNode=node12.ericsson.com\23abc
```

**Note:** When creating the *DIA-CFG-NeighbourNode* MO, \23 represents the ASCII code for #.

A first connection *conn1* is created automatically with the *DIA-CFG-NeighbourNode* MO.

4. Set attributes *transportLayerType* and *ipAddressesList* of the *DIA-CFG-NeighbourNode* MO, for example.

```
(config-DIA-CFG-NeighbourNode=node12.ericsson.com\23
abc) >transportLayerType=1
```

```
(config-DIA-CFG-NeighbourNode=node12.ericsson.com\23abc
>ipAddressesList="0:10.1.137.2"
```

```
(config-DIA-CFG-NeighbourNode=node12.ericsson.com\23abc
>ipAddressesList="1:2dea::66:2"
```

5. Set any other relevant optional attributes for the *DIA-CFG-NeighbourNode* MO.

6. Enable the *DIA-CFG-NeighbourNode* MO:

```
(config-DIA-CFG-NeighbourNode=node12.ericsson.com\23ab
c) >enabled=true
```

7. Commit the settings:

```
(config-DIA-CFG-NeighbourNode=node12.ericsson.com\23abc
) >commit -s
```



8. Verify the peer node configuration result:

```
(config-DIA-CFG-NeighbourNode=node12.ericsson.com\23abc)>show
```

The following is an example output:

```
DIA-CFG-NeighbourNode=node12.ericsson.com\23abc
connIds
  "0:abc#23node12.ericsson.com#23conn1"
diaVendorId="0"
firmwareRevision="0"
isDynamic=false
ipAddressesList
  "0:10.1.137.2"
  "1:2dea::66:2"
productName=""
realm=""
transportLayerType="1"
DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1
```

9. Navigate to the *DIA-CFG-Conn* MO, for the connection `conn1`, for example:

```
(config-DIA-CFG-NeighbourNode=node12.ericsson.com\23abc)
>DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1
```

10. Set any other relevant optional attributes for the connection for the *DIA-CFG-Conn* MO.

11. Enable the *DIA-CFG-Conn* MO, for the connection:

```
(config-DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1)
>enabled=true
```

12. Commit the settings:

```
(config-DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1)
>commit -s
```

13. Verify the connection configuration result:

```
(config-DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1)
>show
```

The following is an example output:

```
DIA-CFG-Conn=abc\23node12.ericsson.com\23conn1
blockReason="Own Node or Peer Node disabled"
enabled=true
linkStatus="Initial"
```

14. Are more connections needed?





Yes: Continue with the next step.

No: Proceed with Step 22.

15. Navigate to the *DIA-CFG-NeighbourNode* MO:

```
>up
```

16. Create the *DIA-CFG-Conn* MO, for one more connection, for example:

```
(config-DIA-CFG-NeighbourNode=node12.ericsson.com\23abc
)>DIA-CFG-Conn=abc\23node12.ericsson.com\23conn2
```

17. Set any other relevant optional attributes for the connection for the *DIA-CFG-Conn* MO.

18. Enable the *DIA-CFG-Conn* MO for the connection:

```
(config-DIA-CFG-Conn=abc\23node12.ericsson.com\23conn
2)>enabled=true
```

19. Commit the settings:

```
(config-DIA-CFG-Conn=abc\23node12.ericsson.com\23conn2
)>commit -s
```

20. Verify the connection configuration result:

```
(config-DIA-CFG-Conn=abc\23node12.ericsson.com\23con
n2)>show
```

The following is an example output:

```
DIA-CFG-Conn=abc\23node12.ericsson.com\23conn2
  blockReason="Own Node or Peer Node disabled"
  enabled=true
  linkStatus="Initial"
```

21. Proceed with Step 14.

22. Return to Exec mode:

```
(config-DIA-CFG-Conn=abc\23node12.ericsson.com\23conn
2)>end
```