

# Start Active-Active Geographical Redundancy

Ericsson Service-Aware Policy Controller

Operating Instructions

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# 1 Description

This instruction describes how to start active-active geographical redundancy in the SAPC.

## Prerequisites

### Prerequisites

This section provides information of the prerequisites which must be fulfilled before using the procedure.

The following conditions must apply:

- Understand geographical redundancy functionality.
- Both SAPCs are in `Initial` state.
- Geographical redundancy license is active.



## 2 Procedure

To start active-active geographical redundancy do the following:

### Steps

1. Connect to one SAPC and open an Ericsson Command-Line Interface (CLI) session:

2. Navigate to class `GeoRedManager` object:

```
>dn ManagedElement=1,PolicyControlFunction=1,GeoRedManager=1
```

3. Execute start action:

```
(ManagedElement=1,PolicyControlFunction=1,GeoRedManager=1)>  
start
```

If action was successfully executed, alarms `Policy Control, Geographical Redundancy Unable To Reach Peer` and `DBS, NR, Initial Synchronization Needed` raise until the other SAPC is started.

4. Verify the result:

```
(ManagedElement=1,PolicyControlFunction=1,GeoRedManager=1)>  
show
```

**Note:** Since this is a long-running operation, it can be required to enter `show` command several times until the final operation result is shown in the progress report.

When the operation is successfully executed, it shows the following values:

```
lastOperationExecuted=START
```

```
lastOperationResult=ACTION_RESULT_OK
```

To check the status of the SAPC, verify that the attribute `currentState` is `Active`.

If an error occurs during the execution of the operation, it shows the following values:

```
lastOperationExecuted=START
```

```
lastOperationResult=ACTION_RESULT_NOT_OK
```

Attribute `lastOperationDetailedInfo` shows information about the error. It can take one of these values:

— `Not possible to execute start action from <state> state`



- Geographical Redundancy without license
  - Not possible to execute start action with parameter `<parameter>` in Active-Active Geographical Redundancy
5. Go to the other SAPC and execute the steps 1, 2, 3 and 4. If step 4 is successfully executed the `currentState` is `Distributed` instead of `Active`.
  6. Verify the state of the SAPC started in first place.

```
(ManagedElement=1,PolicyControlFunction=1,GeoRedManager=1)>  
show
```

Verify that the attribute `currentState` is `Distributed`.

Alarms Policy Control, Geographical Redundancy Unable To Reach Peer and DBS, NR, Initial Synchronization Needed are cleared.