

Temporarily Disable Active-Active Geographical Redundancy

Ericsson Service-Aware Policy Controller

Operating Instructions

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1 Description

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

Prerequisites

- Understand geographical redundancy functionality.
- The SAPC is in one of the following states, Distributed, Active, Synchronizing or Standby.



2 Procedure

2.1 Disable Active-Active Geographical Redundancy

To stop active-active geographical redundancy, do the following:

Steps

1. Connect to the SAPC in which the administrative operation is executed and open an Ericsson Command-Line Interface (CLI) session:
2. Navigate to class `GeoRedManager` object:

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

3. Execute stop action:

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

If action was successfully executed, data replication stops until `start` command is executed.

During this period, DBS, NR, Redundancy Disabled alarm is raised.

If the other SAPC is in Distributed or Standby state, it changes to Active state.

4. Verify the result of the action:

```
(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=STOP
```

```
lastOperationResult=ACTION_RESULT_OK
```

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

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

```
lastOperationExecuted=STOP
```



```
lastOperationResult=ACTION_RESULT_NOT_OK
```

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

- Already in Halted state
- Not possible to execute stop action from <state> state

2.2 Administrative Procedure

Execute the administrative procedure in the SAPC in Halted state.

2.3 Enable Active-Active Geographical Redundancy

To enable again active-active geographical redundancy, do the following:

Steps

1. Configure Active SAPC as Preferred and Halted SAPC as Non-Preferred (See [Change Preferred Role in Active-Active Geographical Redundancy](#)). This guarantees that the data changes performed during the administrative procedure are not lost.
2. Connect to the Halted SAPC and open an Ericsson Command-Line Interface (CLI) session:
3. Navigate to `class GeoRedManager` object:

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

4. Execute start action:

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

If action was successfully executed, data replication starts and the SAPC synchronizes with the other SAPC.

DBS, NR, Redundancy Disabled alarm is cleared.

5. Verify the result of the action:

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

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 not `HALTED`.

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
- Not possible to execute start action with parameter `<parameter>` in Active-Active Geographical Redundancy
- Not possible to execute start action from `HALTED` state because the SAPC is configured as Preferred