

CUDB Geographical Redundancy Decrease

User Guide

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1 Introduction

This document describes the Ericsson Centralized User Database (CUDB) Geographical Redundancy Decrease procedure.

1.1 Purpose and Scope

The CUDB Geographical Redundancy Decrease procedure is performed by removing (decommissioning) one CUDB site of the CUDB system deployed with symmetrical CUDB nodes deployment. For more information about Geographical Redundancy in the CUDB system, refer to [CUDB Deployment Guide](#).

1.2 Target Groups

This document is intended for Ericsson field support engineers and experienced Ericsson personnel.

1.3 Revision Information

Rev. A

Initial release.

Rev. B

Other than editorial changes, this document has been revised as follows:

- [Purpose and Scope](#) on page 1: Updated the scope of the document.
- [Prerequisites](#) on page 1: Updated Ericsson personnel information.
- [Overview](#) on page 3: Updated description and [Figure 2](#).
- [Geographical Redundancy Decrease Procedure](#) on page 5: Updated Ericsson personnel information.

1.4 Prerequisites

Before starting this procedure, ensure that the documents listed in [Reference List](#) on page 7 are available.



The following conditions must be fulfilled to perform the CUDB Geographical Redundancy Decrease procedure:

- The procedure assumes a symmetrical CUDB nodes deployment. Nodes in different sites have the same DSGs defined.
- A CUDB site cannot be decommissioned if the system contains only two sites.
- Request Ericsson personnel to check if all the conditions needed to perform a node decommission are fulfilled.

1.5 Typographic Conventions

Typographic Conventions can be found in the following document:

- Typographic Conventions



2 Overview

The CUDB Geographical Redundancy Decrease procedure is used to remove (decommission) a CUDB site of the symmetrical 1 + 1 + 1 (triple geographical redundancy) CUDB system. An example of the Geographical Redundancy Decrease procedure is shown in the following figures.

Figure 1 illustrates an example of the CUDB system with 2 nodes per site. It is possible to decommission the CUDB site regardless of the number of the nodes in that CUDB site.

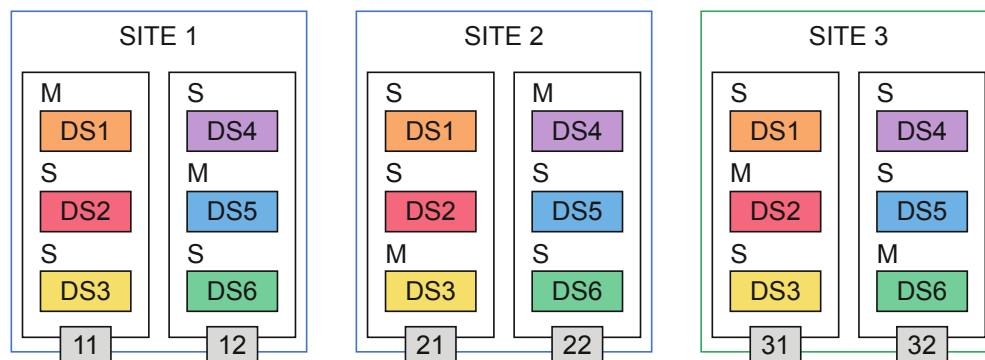


Figure 1 The Initial State: the CUDB System in Triple Geographical Redundancy

The CUDB Geographical Redundancy Decrease procedure is performed by removing a CUDB site by decommissioning all the nodes deployed in that site one by one as shown in Figure 2.

As part of CUDB Geographical Redundancy Decrease procedure all masters are moved from the node that needs to be decommissioned.

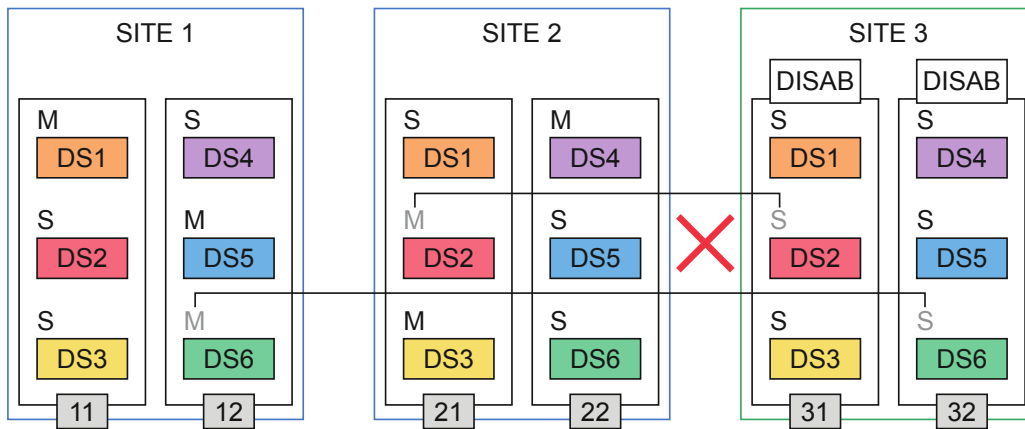


Figure 2 Decommissioning of One CUDB Site

After removing the last node in the site, the site is removed. The result of a successfully completed site removal is a fully functioning 1 + 1 (double geographical redundancy) CUDB system, operating without the removed CUDB site, as shown in [Figure 3](#).

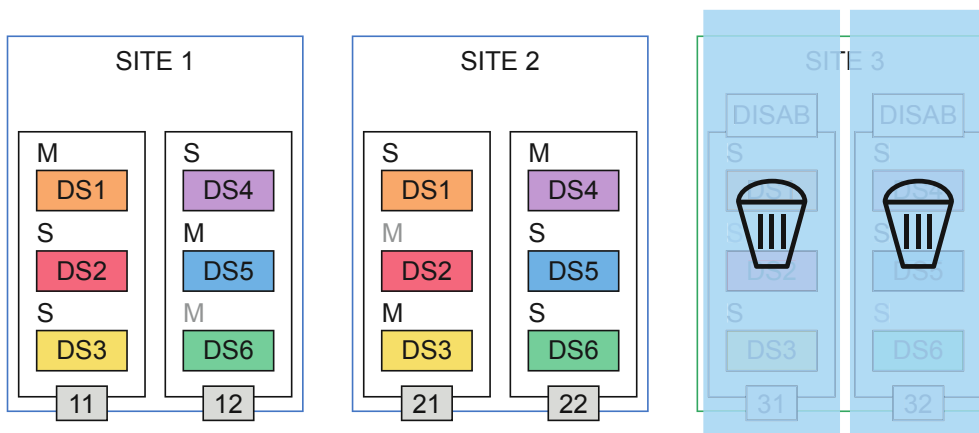


Figure 3 The Resulting CUDB System (1+1) after CUDB Geographical Redundancy Decrease Procedure is Performed



3 Geographical Redundancy Decrease Procedure

To perform the CUDB Geographical Redundancy Decrease procedure, execute the following steps:

Steps

1. Ensure that all prerequisites described in [Prerequisites](#) on page 1 are fulfilled before decommissioning a CUDB site from the CUDB system.
2. Identify the CUDB site that needs to be decommissioned.
3. Request Ericsson personnel to remove the CUDB nodes from the selected site one by one.

Attention!

Removing a CUDB site is supported by decommissioning all the nodes deployed in that site.



Glossary

For the terms, definitions, acronyms and abbreviations used in this document, refer to CUDB Glossary of Terms and Acronyms



Reference List

CUDB Documents

1. CUDB Deployment Guide
2. CUDB Glossary of Terms and Acronyms