

Library Changes

CUDB 1.10 (R11A)

LIBRARY REVISION INFORMATION

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1 Introduction

This document shows the changes in the CUDB 1.10 (R11A) library between the following releases:

From Ericsson Centralized User Database (CUDB) 1.9 (R10A)

To Ericsson Centralized User Database (CUDB) 1.10 (R11A)

The following changes are shown:

- Documents added
- Documents changed
- Documents removed

The reason for a change is described, for example, new, updated, or removed features, as well as corrected faults and responses to change requests.

Minor changes, however, such as language corrections, link errors, and editorial improvements are not shown in the tables below unless these are the only corrections in the update.

2 Description of Changes

The structure in this section reflects the structure of the current library.

2.1 Library Front Page

Table 1 Library Front Image

Title	Identity	Change
Library Front Page.		<ul style="list-style-type: none">- Added clarification for "One software track" partially implemented features- Added a link to the "Functions Planned for Coming Releases" Network Impact Report section- Tiles updated



2.2 Safety and Environment

Table 2 Safety and Environment

Title	Identity	Change
Personal Health and Safety Information	124 46-2885 Uen G	Updated section 4.1 to clarify that all redundant AC feeds must be switched off before starting work on the equipment. Updated revision because of formatting issues in previous release.

2.3 Library Overview

Table 3 Library Overview

Title	Identity	Change
CUDB Library Overview	1551-EN/LZN 702 0449 Uen L	Ready for release.
Typographic Conventions	1/1551-FCK 101 05 Uen E	Corrected code example.

Table 4 Library Overview/Active Library Explorer

Title	Identity	Change
How to Get Started with Active Library Explorer	1/1553-CRAH 301 1061 Uen H	Added trademarklist.

2.4 Product Overview

Table 5 Product Overview

Title	Identity	Change
CUDB Technical Product Description	221 02-FGC 101 3147 Uen K	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none">• Section 3.2 CUDB Functionality: Editorial updates.• Section 3.2.1 Structured, Flexible and Extensible Common Data Model: Updated the list of profiles.• Section 3.2.17 Automatic Mastership Change: Updated Automatic Mastership Change (AMC) function.• Section 3.2.22 VNF Support: Updated the list of delivery models. Added the list of deliveries.• Section 7.2 CUDB System Configuration: Updated description.
CUDB Third Party License Agreement	0962-HDA 104 03/10 Uen D	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none">• Section 14 MIT License Jesse Beder: Added as new section.



Table 6 *Product Overview/Facility Descriptions*

Title	Identity	Change
CUDB High Availability	<i>7/155 34-HDA 104 03/10-V1 Uen G</i>	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none"> • Section 3.1.7.2 Data Store Function: Updated the list of failure scenarios. • Section 3.3.2 Data Storage System Functions: Updated the list of conditions. • Section 3.3.2.1 Automatic Mastership Change: Updated description. • Section 3.3.2.2 Automatic Mastership Change when Master Replica Is Degraded: Added as a new section. • Section 3.3.3.3 Inter Database Cluster Replication: Updated threshold of replicationTimeDelayAlarmThreshold in Replication Delay Monitoring.
CUDB LDAP Data Access	<i>5/155 34-HDA 104 03/10-V1 Uen J</i>	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none"> • Section 2.3.9.1 Time Limits: Updated the time limit for LDAP requests.

2.5 Site Engineering

Table 7 *Site Engineering*

Title	Identity	Change
CUDB Virtual Infrastructure Requirements	<i>15/1553-HDA 104 03/10 Uen E</i>	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none"> • Section 3 Network Requirements: Updated the category definition and measurements of Bandwidth of internal network category, the requirement text of Bandwidth of external networks, and IPv4 or IPv6 requirement text in Table 2. • Section 4 Storage Requirements: Updated measurements for Storage performance and added IOPS measurements to Table 3. • Section 6 Other Requirements: Updated Requirement Text for Installation in Table 5.



2.6 Planning

Table 8 Planning

Title	Identity	Change
CUDB 1.10 Network Impact Report	1/109 48-FGC 101 3147 Uen S	<p>Other than editorial changes, this document has been revised as follows for the CUDB 1.10 release:</p> <ul style="list-style-type: none">• Section 2.1 Capacity and Performance: Added new consideration regarding Automatic Mastership Change when Master Replica is Degraded. Updated the list of considerations.• Section 2.2.1 Changes in Hardware Support: Removed vCUDB impact from Table 4. Updated Table 1 and Table 2.• Section 2.2.2 Changes in Cloud Support: Added vCUDB impacts to Table 5.• Section 2.4 Changes in Upgrade Procedure: Added changes in the upgrade procedure from CUDB 1.4 and CUDB 1.10 onwards to Table 6.• Section 2.5.2 CUDB Licensing Fingerprint Tool: Added section.• Section 3.8 Support for HSS-EPC 5G Profiles: Added section with Section 3.8.1 Changes in Licensing, Section 3.8.2 Changes in Operation, Section 3.8.2.1 Alarms subsections, regarding HSS-EPC 5G Profile.• Section 4.6 Asynchronous LDAP Proxy: Updated feature description.• Section 4.10 Automatic Mastership Change Improvements: Added section.• Section 5.10 Improvements in CUDB 1.10: Added section with the following subsections:<ul style="list-style-type: none">• Section 5.10.1 Logging: Added section regarding LDAP FE log files.• Section 5.10.2 Electronic Software License Improvement: Added section regarding Electronic Software License Improvement.• Section 6.4 Optimized Subtree Searches: Added section regarding planned Optimized Subtree Searches function.

2.7 Integration

Table 9 Integration

Title	Identity	Change
CUDB Application Integration Guide	7/1553-HDA 104 03/10-V1 Uen E	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 9 Licensing: Updated licensing information.



2.8 Operation and Maintenance

Table 10 Operation and Maintenance

Title	Identity	Change
CUDB Node Commands and Parameters	<i>1/1553-CSH 109 067/10-V1 Uen L</i>	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none"> Section 2.2.10 cudbDsgMastershipChange: Updated description. Section 2.2.10.4 Output: Updated with Automatic Mastership Change (AMC) behavior. Section 2.3.10 cudbLicensingTool: Removed section.
CUDB System Administrator Guide	<i>2/1543-HDA 104 03/10-V1 Uen L</i>	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none"> Section 3.1.5 SCP: Updated description. Section 16.5.2.1 Node Graceful Shutdown Using the Atlas GUI: Updated Step 7. Section 20.34 Creating a New Notification Event: Added notes. Section 20.35 Configuring an Existing CudbNotificationEvent: Added note. Section 20.37 Configuring QoS in CUDB: Updated description.
Virtualized CUDB Virtual Machine Recovery	<i>30/1543-CSH 109 067/10 Uen F</i>	<p>Other than editorial changes the document has been revised as follows:</p> <ul style="list-style-type: none"> Preparations for PLDB or DSG VM Recovery: Removed section. Section 3.2.2 Execute Parallel Recovery: Removed former Step 2. Section 3.3 Cloud Administration Actions After Infrastructure Maintenance: Updated procedure. Section 3.4.2 Prepare PLDB or DSG VM: Removed case from the list of applicable steps to prepare the recovered PLDB or DSG VM for operation.
CUDB VNF Lifecycle Management	<i>1/1553-CNL 121 695/10 Uen B</i>	<p>Other than editorial changes, this document has been updated as follows:</p> <ul style="list-style-type: none"> Updated vCUDB terminology throughout the document. Section 1.5.1 Hardware and Software: Updated description. Section 3 Procedures: Updated Figure 1. Section 3.1 Instantiate vCUDB System: Updated note. Section 3.1.1 Preparation: Updated license file name, directory structure, and description. Updated Figure 2. Section 3.1.2 Instantiate vCUDB VNF: Removed Substep 8 in Step 7. Updated Step 2. Section 3.2.1 Terminate vCUDB VNF: Updated Step 3.

**Table 11** Operation and Maintenance/Configuration Management

Title	Identity	Change
CUDB Node Configuration Data Model Description	1/192 02-CSH 109 067/10-V1 Uen J	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 2.1 Data Types: Updated Table 2.• Section 2.3.1 Class CudbSystem: Added customerId, deploymentId, and productNumber attributes to Table 3, and updated the description and data type of replicationTimeDelayAlarmThreshold attribute.• Section 2.3.9 Class CudbExternalAuthServer: In Table 11, updated Data type in the rows for primaryServer and secondaryServer.• Section 2.3.11 Class CudbExternalLogServer: In Table 13, updated Data type in the row for externalLogServerIp.• Section 2.4.1 Class CudbLocalNode: In Table 14, updated Data type in the rows for cudbVIP, oamVIP and trafficVIP.• Section 2.4.4 Class CudbProvisioningGatewayConfig: In Table 17, updated Data type in the row for pgNodeIpAddresses.• Section 2.4.8 Class CudbRemoteNode: In Table 21, updated Data type in the rows for cudbVIP, oamVIP and trafficVIP.• Section 2.4.13 Class CudbTrafficBlockingRule: In Table 26, updated Data type in the row for blockedVIP.• Section 2.6.1 Class CudbLdapAccess: Updated ldapAttrIndexes attribute, and removed Tablenote 1 and Tablenote 2 in Table 28.• Section 2.7.3 Class CudbNotificationEndPoint: In Table 36, updated Data type in the third row for URI.• Section 2.8.2 Class CudbProvGatewayEndPoint: In Table 40, updated Data type in the row for replayRequestURL and replayStatusURL.

Table 12 Operation and Maintenance/Data Management

Title	Identity	Change
CUDB Backup and Restore Procedures	1/1553-CNH 160 6130/10 Uen F	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 4.1 Software and Configuration Backup: Removed sql file from the list of backup files.
CUDB Import and Export Procedures	6/1553-HDA 104 03/10 Uen H	Editorial changes only.

Table 13 Operation and Maintenance/Fault Management/Alarms

Title	Identity	Change
Licensing, Capacity Usage Threshold Reached, Major	4/1543-CNH 160 8039/10 Uen C	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 1.1 Alarm Description: Updated the list of situation when the alarm is issued and the list of available values and variables.



Table 13 Operation and Maintenance/Fault Management/Alarms

Title	Identity	Change
Licensing, Capacity Usage Threshold Reached, Warning	3/1543-CNH 160 8039/10 Uen C	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 1.1 Alarm Description: Updated the list of situation when the alarm is issued and the list of available values and variables.
Licensing, License Key Not Available, Major	2/1543-CNH 160 8039/10 Uen C	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 1.1 Alarm Description: Updated the list of situations when the alarm is issued, Table 1 Alarm Causes, and the list of available values and variables.
Security, Root Login Failed	18/1543-CSH 109 067/10 Uen C	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 1.1 Alarm Description: Updated IP representation variable.
Storage Engine, High Load In DS	23/1543-CNH 160 6539/10 Uen B	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 1.1 Alarm Description: Updated description in the Fault Reason column in Table 1 Alarm Causes. Section 2.1 Actions for Intensive Database Operations: Updated description.
Storage Engine, High Load in PLDB	26/1543-CNH 160 6539/10 Uen A	<i>New document</i> This document is based on 26/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none"> Section 1.1 Alarm Description: Updated description in the Fault Reason column in Table 1 Alarm Causes. Section 2.1 Actions for Intensive Database Operations: Updated description.
Storage Engine, PLDB Cluster Node Down	9/1543-CNH 160 6539/10 Uen B	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 2.3 Actions for Data Node is Unable to Start up: Updated description.
Storage Engine, Temporary Data Inconsistency	23/1543-CNH 160 7063/10 Uen B	Editorial changes only.

Table 14 Operation and Maintenance/Fault Management/Troubleshooting

Title	Identity	Change
CUDB Troubleshooting Guide	1/1553-HDA 104 03/10-V1 Uen K	Other than editorial changes, this document has been updated as follows: <ul style="list-style-type: none"> Updated Ericsson personnel information.
Data Collection Guideline for CUDB	3/1543-HDA 104 03/10-V1 Uen G	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Updated Ericsson personnel information.

**Table 15** *Operation and Maintenance/Logging Management*

Title	Identity	Change
CUDB Node Logging Events	4/1553-CSH 109 067/10 Uen J	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none">• Section 2.5.4.1.1 LDAP FE: Updated the properties of ldapfe log files.• Section 2.5.4.2.2 DataBackupRestore: Added new ERR row to Table 8 DataBackupRestore Logs.• Section 2.5.4.3.1 System Monitor: Added new WARNING row to Table 15 System Monitor Logs.• Section 2.5.4.5.1 Software Management: Added new ERR row to Table 26 Software Management Logs.

Table 16 *Operation and Maintenance/Network Management*

Title	Identity	Change
CUDB Node Network Description	4/1551-CSH 109 067/10 Uen H	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none">• Section 2.4 Address Plan Summary: Updated vCUDb_FE, vCUDb_OAM, vCUDb_PROVISIONING, and vCUDb_SITE Net/Mask examples in Table 2 and added note.

Table 17 *Operation and Maintenance/Performance Management*

Title	Identity	Change
CUDB Counters List	1/006 51-CSH 109 067/10 Uen D	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none">• Section 2.1 LDAP Server Counters: Removed command.

Table 18 *Operation and Maintenance/HW Management*

Title	Identity	Change
Server Platform, Blade Replacement	4/1543-CSH 109 067/10 Uen H	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none">• Section 3.1 Identifying the Faulty Blade: Updated Attention.• Preparing Payload Blade (PLDB or DSG) Replacement: Removed section.• Section 3.8 Finalizing Replacement: Removed former Step 7.• Section 3.10.1 Parallel Blade Replacement Procedure: Removed note from Step 4.

2.9 Removed Documents

No Removed Documents.