

Library Changes

CUDB 1.11 (R12A)

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 Library Overview

Table 2 Library Overview

Title	Identity	Change
CUDB Library Overview	1551-EN/LZN 702 0449 Uen M	

2.3 Product Overview

Table 3 Product Overview/Facility Descriptions

Title	Identity	Change
CUDB High Availability	7/155 34-HDA 104 03/10-V1 Uen H	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 3.1.7.1 LDAP Access and Processing Function: Updated description.• Section 3.3.4 System Resiliency to Multiple Failures: Updated System Resiliency to Multiple Failures description, the list of failures, and the Double or Triple Geographical Data Redundancy description.• Section 3.3.5.2 Recovery Procedures after System Split: Updated Symmetrical Split Situation description.• Section 3.3.6 Master Election Algorithm: Updated Master Election Algorithm description, and the list of cases.
CUDB LDAP Data Access	5/155 34-HDA 104 03/10-V1 Uen K	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 2.3.3 Service Model: Updated service model description.• Section 2.3.3.3 Optimized Subtree Searches: Added subsection.• Section 2.3.3.4 LDAP Extended Operations: Added new section.• Section 4.1.3 LDAP Data Access Parameters: Added subtreeSearchConfigName parameter to the list of parameter values.

2.4 Site Engineering

Table 4 Site Engineering

Title	Identity	Change
CUDB Virtual Infrastructure Requirements	15/1553-HDA 104 03/10 Uen F	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 5 Security Requirements: Updated IP packet filtering, IP and MAC address filtering category and requirement text in Table 4.



2.5 Planning

Table 5 Planning

Title	Identity	Change
CUDB 1.11 Network Impact Report	1/109 48-FGC 101 3147 Uen T	<p>Other than editorial changes, this document has been revised as follows for the CUDB 1.11 release:</p> <ul style="list-style-type: none"> Section 2.2.2 Changes in Cloud Support: Updated impact of Multicast Removal. Section 3.10 Optimized Subtree Searches: Added new function, Optimized Subtree Seaches, including Section 3.10.1 Changes in Operation. Section 4.11 Additional High-Throughput Write Requests: Added new function, Additional High-throughput Write Request. Section 4.12 IPv6 Support in CUDB: Added new enhanced function, IPv6 Support in CUDB. Section 5.7.2 Multicast Removal: Updated title. Section 5.7.2.1.2 Commands and Command Options: Updated cudbManageMsgSrvServer command in Table 48. Section 5.11 OAM Improvements in CUDB 1.11: Added section with Table 54, regarding alarm changes and with Table 55, regarding cudbSwBackup and cudbAppCheckerManager command changes. Section 6.1 Full IPv6 Support in CUDB: Removed section. Section 6.4 Optimized Subtree Searches: Removed section.

2.6 Integration

Table 6 Integration

Title	Identity	Change
CUDB Application Integration Guide	7/1553-HDA 104 03/10-V1 Uen F	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none"> Section 11 CUDB Subtree Search Optimization: Added section regarding Subtree Search Optimization. Section 11.1 CUDB Subtree Optimization Configuration: Added section regarding CUDB Subtree Optimization Configuration.
CUDB LDAP Data Views Management	11/1553-HDA 104 03/10 Uen E	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none"> Section 3.2 Configuration: Updated procedure. Section 3.2.4 Deleting LDAP Data View: Updated procedure. Section 3.3.2 Execution: Updated output information.
Optimized Subtree Searches	20/1553-HDA 104 03/10 Uen A	<p><i>New document</i></p> <p>Initial release.</p>



2.7 Operation and Maintenance

Table 7 Operation and Maintenance

Title	Identity	Change
CUDB Node Commands and Parameters	1/1553-CSH 109 067/10-V1 Uen M	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 2.2.25.4 Output: Updated output information.• Section 2.2.25.5 Examples of Use: Updated output information.• Section 2.2.32 cudbManageMsgSrvServer: Updates section title and cudbManageMsgSrvServer command.• Section 2.2.32.2 Syntax: Removed cudbManageMsgSrvServer h from the list of formats.• Section 2.2.32.3 Command Options : Removed h from the list of command options.• Section 2.2.32.5 Examples of Use: Updated cudbManageMsgSrvServer status command.• Section 2.3.23 cudbAppCheckerManager: Added subsection.
CUDB System Administrator Guide	2/1543-HDA 104 03/10-V1 Uen M	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 13 Reconciliation: Updated note.• Section 18.16 Configuring Subscription Reallocation: Removed description.• Section 18.18 Running Defragmentation: Added Attention and description.• Section 18.28 Optimized Subtree Searches: Added section regarding Optimized Subtree Searches.
Virtualized CUDB Virtual Machine Recovery	30/1543-CSH 109 067/10 Uen G	<p>Other than editorial changes the document has been revised as follows:</p> <ul style="list-style-type: none">• Section 3.1 Identify All Affected VMs: Added attention.
CUDB VNF Lifecycle Management	1/1553-CNL 121 695/10 Uen C	



Table 8 Operation and Maintenance/Configuration Management

Title	Identity	Change
CUDB Node Configuration Data Model Description	1/192 02-CSH 109 067/10-V1 Uen K	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none"> Section 2.2 Class Hierarchy: Added new classes CudbSubtreeSearchMgmt and CudbSubtreeSearchConfig in Figure 1 Class Hierarchy. Section 2.6.4 Class CudbLdapUser: Added a new attribute to the Table 31 Class CudbLdapUser. Section 2.6.7 Class CudbSubtreeSearchMgmt: Added section. Section 2.6.8 Class CudbSubtreeSearchConfig: Added section. Section 4.2.2 Modification Procedure Using NETCONF: Update example in Step 3. <p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none"> Section 2.2 Class Hierarchy: Added new classes CudbSubtreeSearchMgmt and CudbSubtreeSearchConfig in Figure 1. Section 2.6.4 Class CudbLdapUser: Added a new attribute to the Table 31. Section 2.6.7 Class CudbSubtreeSearchMgmt: Added section. Section 2.6.8 Class CudbSubtreeSearchConfig: Added section. Section 4.2.2 Modification Procedure Using NETCONF: Update example in Step 3.

Table 9 Operation and Maintenance/Data Management

Title	Identity	Change
CUDB Backup and Restore Procedures	1/1553-CNH 160 6130/10 Uen G	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none"> Section 3.1.1.1 Description: Updated the number of unit data backups.

Table 10 Operation and Maintenance/Fault Management/Alarms

Title	Identity	Change
Application Counters, Fault In Subscriber Statistic Application	1/1543-CNH 160 6132/10 Uen A	<p>This document is based on 1/1543-CNH 160 6132/9, and contains the following changes:</p> <ul style="list-style-type: none"> Section 1.1 Alarm Description: Updated alarm description. Section 2 Procedure: Updated note.
Licensing, Capacity Usage Threshold Reached, Major	4/1543-CNH 160 8039/10 Uen D	<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 alarm situation list.
Licensing, Capacity Usage Threshold Reached, Warning	3/1543-CNH 160 8039/10 Uen D	Editorial changes only.

**Table 10** Operation and Maintenance/Fault Management/Alarms

Title	Identity	Change
Operating System, Server Configuration Backup Fault	1/1543-CNH 160 6537/10 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 Resource ID attribute in Table 2 Alarm Attributes. Updated IP variable.
Server Platform, Storage Performance Degradation Detected	28/1543-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 Procedure for CUDB Systems Deployed on Native BSP 8100: Updated procedure.Section 2.2 Procedure for CUDB Systems Deployed on a Cloud Infrastructure: Added procedure.
Storage Engine, Data Inconsistency Between Replicas Found in DS, Major	32/1543-CNH 160 6539/10 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 attribute values of Resource ID and Alarm Active Description in Table 2 Alarm Attributes, and removed NODE from the list of indicated variables.
Storage Engine, Data Inconsistency Between Replicas Found in DS, Minor	30/1543-CNH 160 6539/10 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 attribute values of Resource ID and Alarm Active Description in Table 2 Alarm Attributes, and removed NODE from the list of indicated variables.
Storage Engine, Data Inconsistency Between Replicas Found in PLDB, Major	31/1543-CNH 160 6539/10 Uen A	This document is based on 31/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none">Section 1.1 Alarm Description: Updated the attribute values of Resource ID and Alarm Active Description in Table 2 Alarm Attributes, and removed NODE1 and NODE2 from the list of indicated variables.Section 2 Procedure: Updated procedure.
Storage Engine, Data Inconsistency Between Replicas Found in PLDB, Minor	29/1543-CNH 160 6539/10 Uen A	This document is based on 29/1543-CNH 160 6539/9 with the following changes: <ul style="list-style-type: none">Section 1.1 Alarm Description: Updated the attribute values of Resource ID and Alarm Active Description in Table 2 Alarm Attributes, and removed NODE1 and NODE2 from the list of indicated variables.Section 2 Procedure: Updated procedure.

Table 11 Operation and Maintenance/Fault Management/Troubleshooting

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



Table 12 *Operation and Maintenance/Fault Management/Preventive Maintenance*

Title	Identity	Change
CUDB Node Preventive Maintenance	1/1541-CSH 109 067/10 Uen G	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 5.1 Creating Software and Configuration Backups: Added information about data safety and disk space saving recommendation.

Table 13 *Operation and Maintenance/Logging Management*

Title	Identity	Change
CUDB Node Logging Events	4/1553-CSH 109 067/10 Uen K	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 2.5.4.2.8 Application Data Consistency Checker: Added new section on ADCC component log. Section 2.5.4.5.2 Configuration Management: Added new ERR row to Table 27.

Table 14 *Operation and Maintenance/Network Management*

Title	Identity	Change
CUDB Node Network Description	4/1551-CSH 109 067/10 Uen J	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 2.4 Address Plan Summary: Added table notes and updated the Purpose of SysMGMT Network Common Name in Table 1, and updated IPv6 examples of vCUDB_FE, vCUDB_OAM, vCUDB_PROVISIONING, and vCUDB_SITE Network Common Names in Table 2. Added information about IPv6 Support.

Table 15 *Operation and Maintenance/Performance Management*

Title	Identity	Change
CUDB Counters List	1/006 51-CSH 109 067/10 Uen E	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 2.1 LDAP Server Counters: Added Table 3. Section 2.3.1 PLDB Cluster Counters: Added Table 25. Section 2.3.2 DS Cluster Counters: Added Table 32. Section 2.2.1 Overall LDAP Node Counters, Section 2.3.1 PLDB Cluster Counters, and Section 2.3.2 DS Cluster Counters: Updated note regarding KPI validity in Table 11, Table 12, Table 27, Table 28, Table 29, Table 35, Table 36, and Table 37.
CUDB Performance Guide	4/1553-HDA 104 03/10 Uen E	Other than editorial changes, this document has been revised as follows: <ul style="list-style-type: none"> Section 2.4 CUDB KPIs: Updated description, KPI counters are valid for both native BSP 8100 and vCUDB.

**Table 16** *Operation and Maintenance/Security Management*

Title	Identity	Change
CUDB Security and Privacy Management	8/1553-HDA 104 03/10-V1 Uen J	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 4.3.1 Changing the Password of the rootdn User, Section 6 Certification Authority, Section 9 Configuring Secure Notifications, Section 10.2 Configuring TLS for LDAP Front End, Section 12 Configuring Secure Centralized Security Event Logging: Updated admonitions.• Section 10.1 LDAP Authentication Types: Updated title and description.

Table 17 *Operation and Maintenance/HW Management*

Title	Identity	Change
CUDB Node Hardware Description	3/1551-CSH 109 067/10 Uen C	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 2 CUDB Node Hardware Components: Added Attention! admonition.
Server Platform, Blade Replacement	4/1543-CSH 109 067/10 Uen J	<p>Other than editorial changes, this document has been revised as follows:</p> <ul style="list-style-type: none">• Section 3 Replacing a Blade: Updated the scope of this section.• Section 3.1 Identifying the Faulty Blade: Updated by restructuring information into subsections 3.1.1 Identifying the Blade Name and 3.1.2 Identifying Blade Rack and Subrack Position.• Section 3.2 Preparing the Blade Replacement: Updated by restructuring information by removing subsections 3.2.1 Connecting to the CUDB Node and 3.2.2 Finishing Blade Replacement Preparation and rearranging their content.

2.8 Interface

Table 18 *Interface*

Title	Identity	Change
CUDB LDAP Interwork Description	1/155 19-HDA 104 03/10 Uen J	<ul style="list-style-type: none">• Section 4.1 Attributes: Updated the Attribute Object Identities of cudbLdif and cudbLdifprov attributes in Table 1.• Section 4.4 Limitations: Updated the list of limitations on attributes and object classes used in CUDB.• Section 6 Operations: Added list of LDAP extended operations and Table 19.• Section 6.3 Performing LDAP Search Below the DE: Added description of Optimized Subtree Searches function.• Section 6.6 CUDB LDAP Extended Operations: Added section.

2.9 Removed Documents

No Removed Documents.