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# Framework Deployment Guide

## Accessing History of Configuration Changes

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# Accessing History of Configuration Changes

Configuration Server uses the Configuration History Log to keep track of changes being made in the Configuration Database. The History Log within Configuration Server contains more detailed information than is output in Audit-level log messages. Starting in release 8.5.0, Genesys provides a tool to extract this detailed information.

Also in release 8.5.0, previous values (as they were before a change) can also be stored in the history log along with the actual changes.

## Important

The history log does not provide complete information about changes to assigned access Permissions

## Retrieving the History

Extract the changes history to an XML file by starting an instance of Configuration Server (any instance in the configuration will suffice; it does not have to be the Configuration Server currently running) and specifying the following parameter on the command line with the startup command:

```
-dumpauditxml <file name> [-last <days>]
```

where:

<file name> - The name of the XML file to which the information will be extracted. The information will be in the XML format shown in the example below.

-last <days> - (Optional) The results for the operations for the last number of days; if this argument is not specified, all audit history in the database is exported.

The Configuration Server starts, exports the information into the file specified in the parameter, and then terminates.

## Exported File Format

The exported XML file contains two primary sections. The **CfgAuditEntry** section contain information about the type of update, what object was updated, and who updated it. Its fields are described in the table below. Each **CfgAuditEntry** section contains one or more **CfgHistoryRecord** sections, that contain the former value and the action that was taken during the update identified in the **CfgAuditEntry**. An excerpt of a sample exported file is available at the end of this topic.

| Field Name       | Description                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------------------|
| id               | The ID of the audit record that exists in the database.                                                              |
| operation_type   | The type of operation performed based on the internal enumeration of the Configuration Server implementation.        |
| operation_time   | The timestamp when the operation occurred.                                                                           |
| object_dbid      | The internal DBID of the object being updated.                                                                       |
| user_name        | The username of the user performing the update.                                                                      |
| object_data_size | The size of the audit record, as contained in the CfgHistory Record tag.                                             |
| object           | The name of the object being updated.                                                                                |
| host             | The name of the host or IP address from which the user performing the update is connected to Configuration Server.   |
| application      | The name of the user application that is connected to Configuration Server when performing the update operation.     |
| application_dbid | The DBID of the user application that is connected to the Configuration Server when performing the update operation. |
| user_tenant      | The name of the tenant to which the user performing the update belongs.                                              |
| user_tenant_dbid | The DBID of the tenant to which the user performing the update belongs.                                              |
| tenant           | The name of the tenant to which the object being updated belongs.                                                    |
| tenant_dbid      | The DBID of the tenant to which the object being updated belongs.                                                    |

## Sample File

```
<CfgAuditEntry
  id="187"
  operation_type="4"
  operation_time="[01/07/14 09:35:04]"
  object_type="CfgCampaign"
  object_dbid="101"
  user_name="default"
  object_data_size="529"
  object="CampaignA"
  host="135.17.178.16"
  application="default"
  application_dbid="100"
  user_tenant="Environment"
  user_tenant_dbid="1"
  tenant="Environment"
  tenant_dbid="1">
```

```
<CfgHistoryRecord
  id="187">
  <former_value>
    <action
      action="change">
        <CfgCampaignUpdate
          DBID="101">
            <callingLists
              action="change">
                <CfgCallingListInfo
                  linkDBID="101"
                  share="22"      />
              </callingLists>
            </CfgCampaignUpdate>
          </action>
        </former_value>
      <action>
        <CfgCampaignUpdate
          DBID="101">
            <callingLists
              action="change">
                <CfgCallingListInfo
                  linkDBID="101"
                  share="20"      />
              </callingLists>
            </CfgCampaignUpdate>
          </action>
        </CfgHistoryRecord>
      </CfgAuditEntry>
```