

SAP Audit Management: Data Archival and Deletion of Audit Components



Applies to:

Applies to SAP Audit management, ECC 6.0. For more information, visit the [Product Lifecycle Management homepage](#).

Summary

In SAP Audit management, physical deletion of audit components from plmd_audit transaction are allowed only at 'Being created' and 'Created' system status. Hence SAP has provided a process to archive and delete the audit components which cannot be deleted physically from the system. This document would give you the prerequisites and the steps to be followed.

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Author Bio



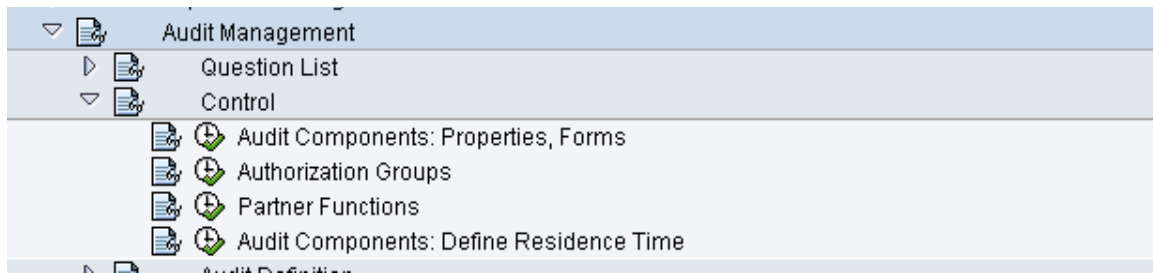
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Residence Time Definition

1. Foremost step is to define the residence time for the audit components.



Residence time defines how many days must pass after the last change of an audit component before this audit component can be marked for archiving.

Change View "Residence Times for Audit Components": Overview

Object Type	Res. Time
Audit	1
Audit Plan	1
Question List	1

Prerequisites

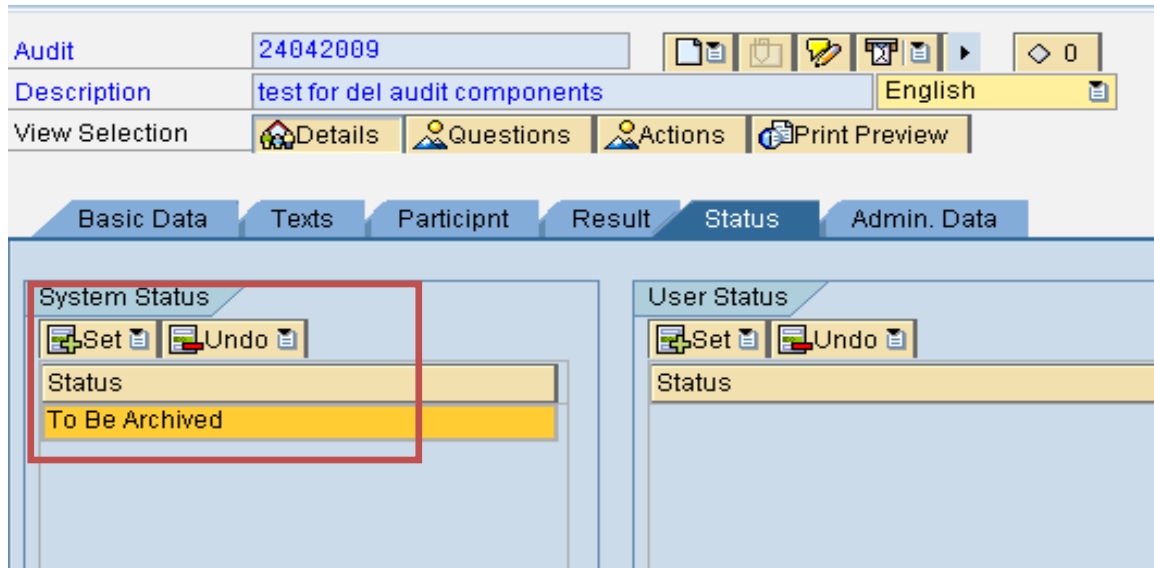
2. The following steps are for archiving & deleting stand alone audit plans & audits.

Ensure that the audit components identified for archival & deletions are in 'To Be Archived' system status.

Note: If an audit is in 'Released' status then change the status to 'Cancelled' and then set it to 'To Be Archived'.

Similarly from 'Released' status an audit can be taken to 'Completed' and then 'To Be Archived' status.

Furthermore, system will not allow us to set the system status directly to 'Archived'. It can be achieved via preprocessing programs.



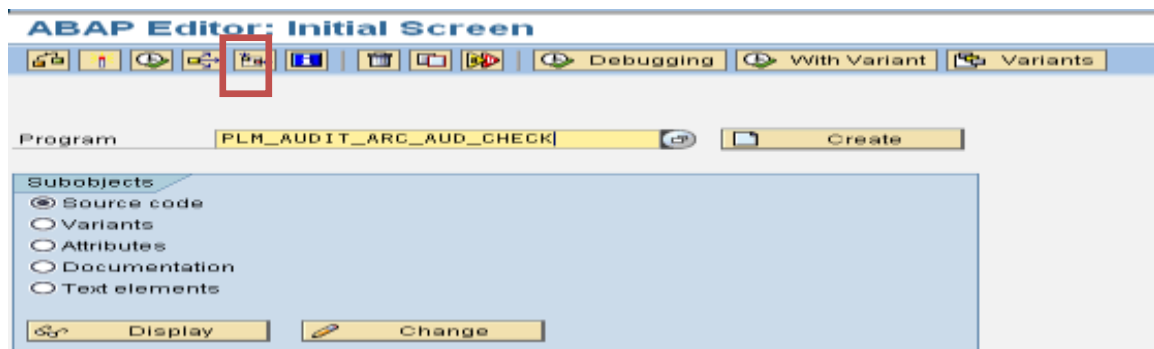
Before executing the preprocessing programs just ensure that the audit components have passed the residence days.

Preprocessing Programs

3. From SE38 transaction, execute the PLM_AUDIT_ARC_AUD_CHECK preprocessing program.

This program will check for the archival possibility and set the status to 'Archived'.

- a. Program will check whether the identified audit components are in 'To Be Archived' or not.
- b. Checks for the residence time.
- c. Checks for dependency or if it is incomplete.



Upon execution of this program, a selection screen appears for providing the audit component information.

Audits / Audit Plans		
<input checked="" type="radio"/> Audits		
<input type="radio"/> Audit Plans		
Identification	24042009	
Search Field		
Grouping		
Restrictions		
Created On		to
Date of Last Change		to
Sched. start date		to
Actual Start Date		to
Planned Finish Date		to
Actual End Date		to
Created By		
Authorization Group		
Audit Type		
Processing Options		
<input type="radio"/> Test Mode		
<input checked="" type="radio"/> Production Mode		
Detail Log	No Detail Log	
Log Output	List	

Select the audit component type; provide the external id in the identification field.

Check the processing option as **Production mode** - The system will make the database changes, according to our selection criteria (if any exist) and the archiving object-specific checks.

If **Test mode** is selected, then no changes will be made to the database. The changes based on our selection criteria (if any exist) and the archiving object-specific checks will only be simulated.

Select the log output type & the format.

After providing the inputs, execute the program.

A log would be displayed, whether the component can be archived or not.

Archiving of Audit Management Transaction SDN Data: Preprocessing Program

Archiving of Audit Management Transaction Data: Preprocessing Program

Log (Summary)		
Message	Obj. Disp.	Object (Example)
Object Can Be Archived	1	24042009

If the message is 'Object can be archived'. The system status of the selected component will be automatically set to 'Archived'.

The screenshot shows the SAP Audit Management interface. At the top, the 'Audit' number is 24042009 and the description is 'test for del audit components'. The 'View Selection' bar includes 'Details', 'Questions', 'Actions', and 'Print Preview'. Below this, there are tabs for 'Basic Data', 'Texts', 'Participant', 'Result', 'Status', and 'Admin. Data'. The 'Status' tab is active, showing two sections: 'System Status' and 'User Status'. Both sections have a 'Set' and 'Undo' button and a dropdown menu for 'Status', which is currently set to 'Archived'.

- From SE38 transaction, execute the PLM_AUDIT_ARC_AUD_WRITE program.

This program will check whether the audit is in 'Archived' status and then creates an archival summary report.

The selection screen would be similar to the check program, provide the required information.

Upon execution of this program, an archival report would be generated as shown below.

Archiving of Audit Management Transaction Data: Write Program

Production Mode: Statistics on Written Data Objects

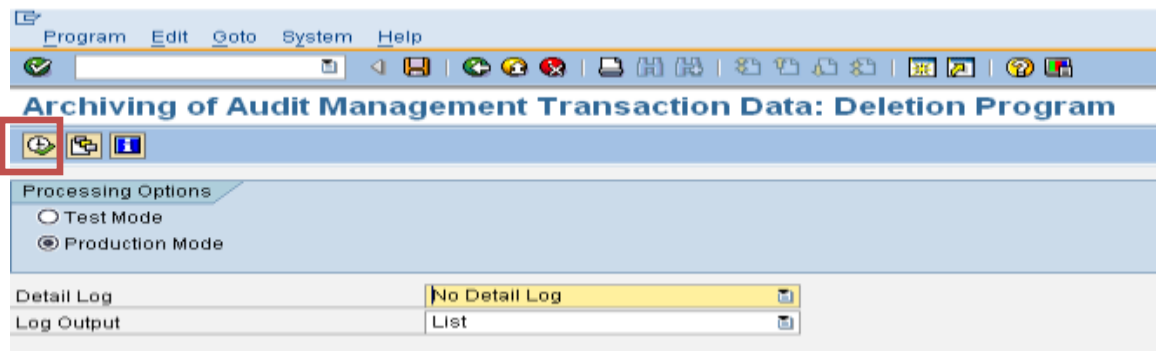
Archive File Key	000541-001PLM_AUD
Number of Written Data Objects	1
Size of Archive File in MB	0.009
Proportion of Header Data in %	74.4
Occupied Database Space in MB	0.004
- Tables	0.002
- Indexes	0.001
- Structures	0.001

Type	No.	Description
CDHDR	1	Change document header
CDKEYTAB	1	Archiving class CHANGEDOCU transfer table structure
CDPOS	3	Change document items
CGPL_HIERARCHY	1	Project Planning: Activities and Projects Hierarchy Table
CGPL_PROJECT	1	Project Planning: Attribute Table for Project Headers
CGPL_TEXT	1	Proj. Planning of Lang. Depend. Short Text for Proj./Tasks
CRM_JCDS	5	Change Documents for System/User Statuses (Table JEST)
CRM_JEST	3	Individual Object Status
CRM_JSTO	1	Status Object Information
PLMM_AUDIT	1	Audit
PLMM_AUDIT_OBJ	4	Audit Object Attribute
PLMM_AUDIT_ROLES	3	Audit Components-BP-Partner Role
THEAD	2	SAPscript: Text Header
TLINE	2	SAPscript: Text Lines

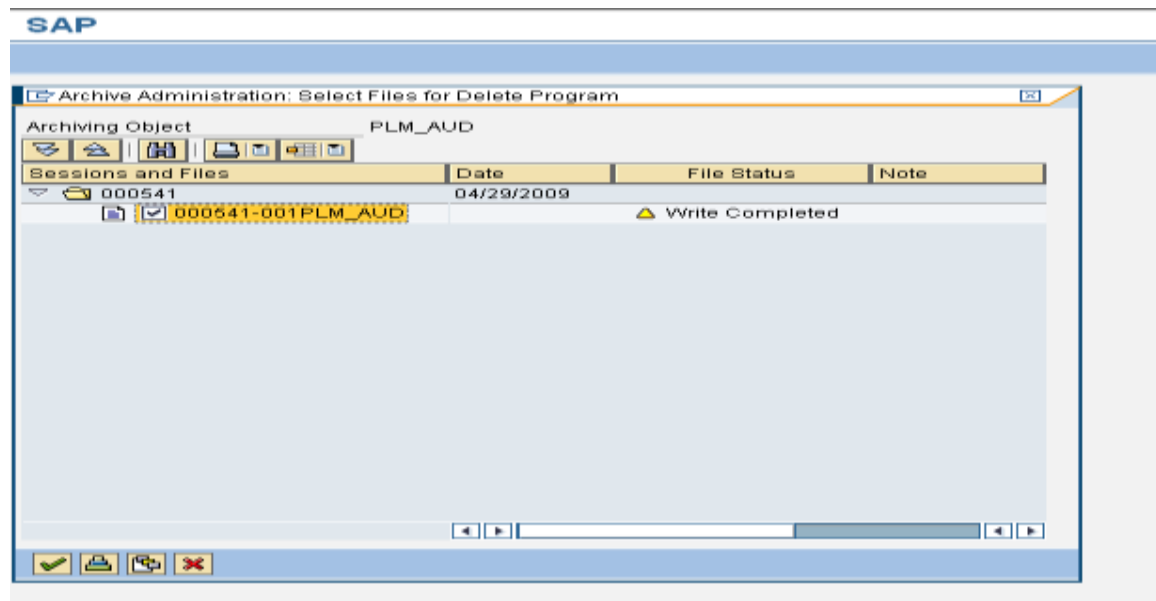
Archiving of Audit Management Transaction Data: Write Program

Log (Summary)			
Message	Obj	Objsp	Object (Example)
◆ Data Record Archived		1	24042009

- Final step, execute the deletion program PLM_AUDIT_ARC_AUD_DELETE from SE38.



A pop up will appear, select the archival file (this is the file generated by the write program) and click on the continue button.



A deletion summary report would be generated by the program.

Archiving of Audit Management Transaction Data: Deletion Program

Archiving of Audit Management Transaction Data: Deletion Program

Production Mode: Statistics for Deleted Data Objects

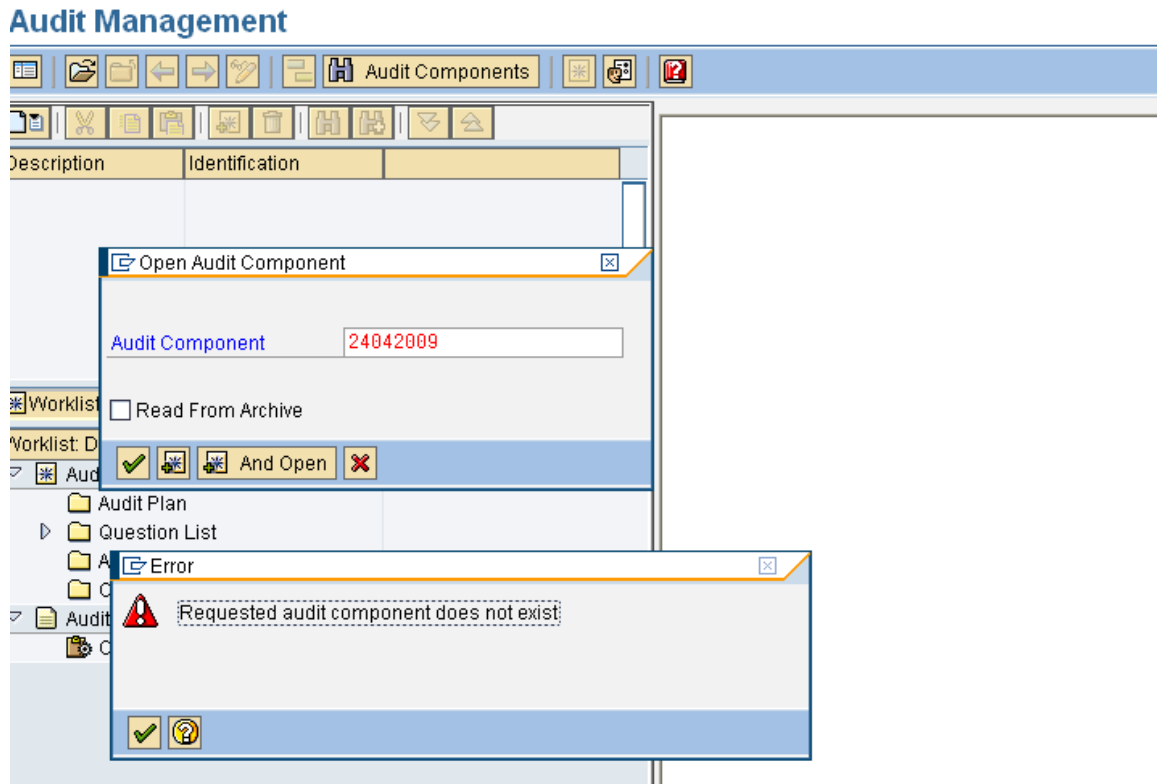
Archive File Key	000541-001PLM_AUD	
Number of Deleted Data Objects		0
Deleted Database Space in MB		0.020
- Tables		0.018
- Indexes		0.002

Type	No.	Description
CDHDR	1	Change document header
CDPOS	3	Change document items
CDPOS_STR	0	Additional Change Document - Table for STRINGS
CDPOS_UID	0	Additional Table for Inclusion of TABKEY>70 Characters
CGPL_HIERARCHY	1	Project Planning: Activities and Projects Hierarchy Table
CGPL_PROJECT	1	Project Planning: Attribute Table for Project Headers
CGPL_TEXT	1	Proj. Planning of Lang. Depend. Short Text for Proj./Tasks
CRM_JCDS	5	Change Documents for System/User Statuses (Table JEST)
CRM_JEST	3	Individual Object Status
CRM_JSTD	1	Status Object Information
PLMM_AUDIT	1	Audit
PLMM_AUDIT_OBJ	4	Audit Object Attribute
PLMM_AUDIT_ROLES	3	Audit Components-BP-Partner Role
STXB	0	SAPscript: Texts in non-SAPscript format
STXH	2	STXD SAPscript text file header
STXL	2	STXD SAPscript text file lines

Log (Summary)			
	Message	Obj. Disp.	Object (Example)
+	Data Record Deleted	1	24042009

Successfully deleted from the system.

- Go back to the plmd_audit transaction and search for the deleted component.



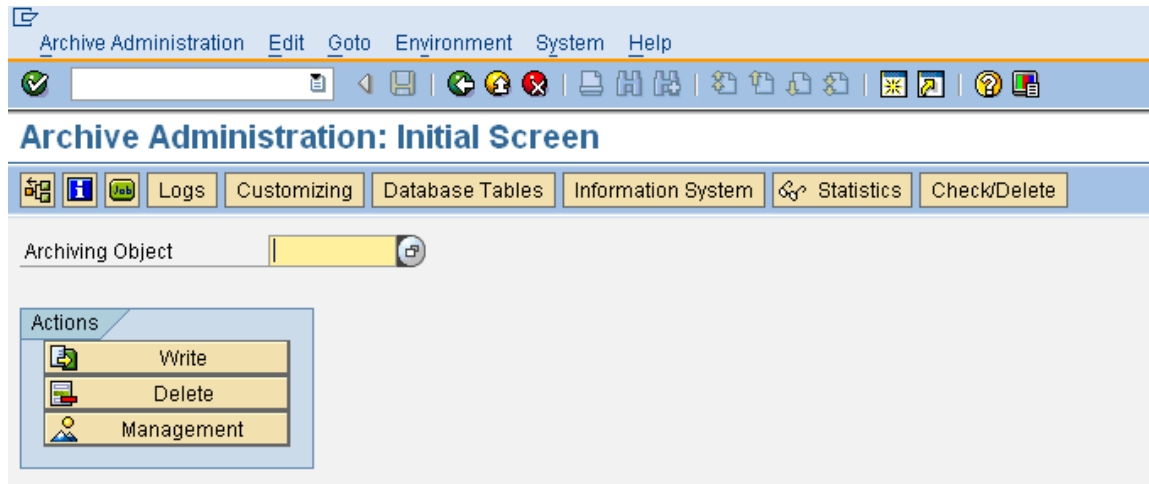
By this way independent audit plans/audits can be deleted from the system.

For archiving independent question lists and questions, the procedure remains same but the following preprocessing programs have to be used.

PLM_AUDIT_ARC_QUM_CHECK, PLM_AUDIT_ARC_QUM_WRITE &
PLM_AUDIT_ARC_QUM_DELETE.

SARA – Archival Administration

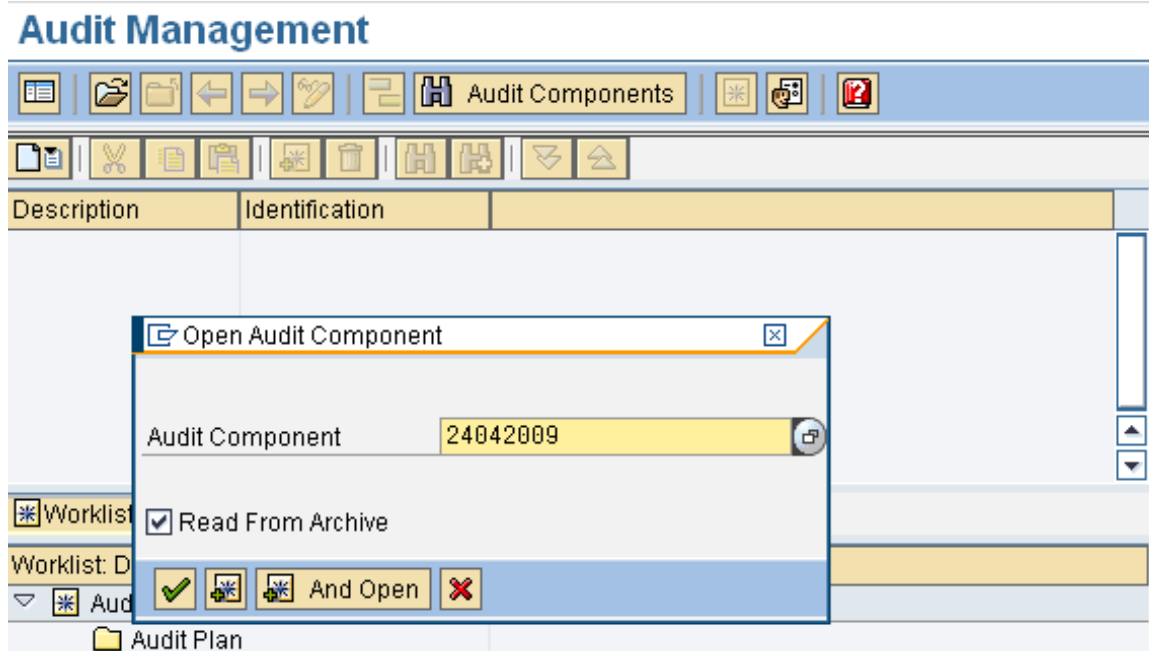
The above process can be scheduled in background using the transaction SARA (Archival administration).



- a. For Question list administration the archiving object is 'PLM_QLM'
- b. For Audit the archiving object is 'PLM_AUD'.

How to Retrieve the Archived Audit Components

The archived & deleted audit components can be viewed using the following option.



Audit component->Open -> enter the audit component and click on the Read from Archive check box. This search would be based on the archival key file.

Using these preprocessing programs & transaction provided by SAP, we can manage Audit management data archival & deletion with ease.

Related Content

http://help.sap.com/erp2005_ehp_02/helpdata/en/2f/ea273aeaa07123e10000000a114084/frameset.htm

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