

RE Real Estate Management Archiving



HELP.CAARCISRE

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RE Real Estate Management Archiving

Archiving objects: Overview

There are the following [Archiving objects \[Extern\]](#) in RE.

Archiving objects (ArchObjekt) Master data (RE-BD)

<u>ArchObjekt</u>	<u>Description</u>	<u>With preparatory program</u>	<u>Can be archived</u>	<u>Can be deleted</u>	<u>With post-processing</u>	<u>Can be retrieved</u>
RE_BUSN_EN	Business entity	x	x	x		
RE_PROPR TY	Property	x	x	x		
RE_BUILDING	Buildings	x	x	x		
RE_RNTL_UN	Rental unit	x	x	x		

Archiving objects (ArchObjekt) Rental (RE-RT)

<u>ArchObjekt</u>	<u>Description</u>	<u>With preparatory program</u>	<u>Can be archived</u>	<u>Can be deleted</u>	<u>With post-processing</u>	<u>Can be retrieved</u>
RE_REQUE ST	Application		x	x		
RE_OFFER	Offer		x	x		
RE_FLOW_DT	Movements lease-out	x	x	x		
RE_RNTL_AG	Lease-out	x	x	x		
RE_STLM_UN	Settlement unit	x	x	x		

Archiving objects (ArchObjekt) Third-Party management (RE-TP)

<u>ArchObjekt</u>	<u>Description</u>	<u>With preparatory program</u>	<u>Can be archived</u>	<u>Can be deleted</u>	<u>With post-processing</u>	<u>Can be retrieved</u>
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RE Real Estate Management Archiving

RE_MGT_C NT	Managemen t contract	x	x	x		
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Archiving Master Data (RE-BD)

Use

This function is for archiving the master data component:

- Business entity
- Property
- Building
- Rental unit

Archiving Rental (RE-RT)

Use

This function is used for archiving all data that is within the framework of the rental component:

- Applications
- Offers
- Flow data for the lease-out
- Lease-outs

Archiving Applications (RE-RT-AO)

Definition

The archiving object **RE_REQUEST** comprises of all data (database tables) due for the archiving of one or several applications (rental request).

Structure

The archiving object comprises of the following tables:

RE_REQUEST Data base tables

Table	Description
VIMI05	Characteristics per rental request
VIMI11	Applications - Real Estate management
VIMI12	Rental request for an application
VIOB12	Areas per rental request
VIOB13	Room number per rental request
VIOB17	Rental request: location
VIOB30	Rental request: storey table
VZGPO	Partner/role object relationship

In addition there are the following archiving classes that include several tables:

RE_REQUEST Archiving classes

Archiving class	Tables	Description
TEXT	STXB / STXH / STXL	SAPscript texts

All table contents are archived **and** deleted

Integration

There are no dependencies on other archiving objects.

Checks (RE-RT-AO)

Checks (RE-RT-AO)

During the start of the archiving program, the following checks are made in the background:

Checks for the archiving RE_REQUEST

What is checked?	Background
Deletion indicators set on application?	The deletion indicator must be set for archiving This done in each application manually with <i>Application → Delete</i>


Maintaining Archiving Obj.-Spec. Customizing (RE-RT-AO)

1. *Accounting* → *Real estate management* → *Tools* → *Archiving* → *Rental* → *Applications* → *Archive*

You branch to the *Generate archive files* screen.

2. Choose *Customizing*.

You can make the following settings:


Settings	Choose
for the archive object	<i>Archive-Basic settings</i> Example: Settings in the archiving object-specific Customizing (RE) [Seite 47]
for general archive Customizing: logical file names and paths	<i>File name/path cross-client</i> Or <i>File names cross-client</i>  The standard settings for the logical file path/name of all archive objects in the Real Estate component begin with IS_RE You can change or delete these settings and add your own

Example: Arch. Obj.-Spec. Cust. (RE) Settings

Example: Arch. Obj.-Spec. Cust. (RE) Settings

The setting options are the same for all archiving objects.



Field	Setting	Effect
<i>Log file name</i>	Name that has already been defined in the general archiving Customizing	Archiving run saves data in the data file specified and in the path
Archive file size: <i>Size in MB</i> and <i>Maximum number of data objects</i>	300 100	The archive run generates a new archive file (depending on which factor arises first) when the archived data reaches 300 MB in size or there is 100 data objects
Connection to the archive system: <i>Document type</i> and <i>Start automat.</i>	ARCHIVE is active	The archive file is automatically transferred to the SAP ArchiveLink-System If <i>Start automat.</i> is not active , a transfer can be made later using the archive management
Deletion program settings: <i>Start automatic</i> and <i>Commit counter</i>  The <i>test</i> and <i>productive run variant</i> determine, depending on the settings of the relevant archiving run in the application, whether archiving will take place or deletion	is active 10	After the archiving, the archived data is automatically deleted in the databases After 10 database objects have been deleted, a new deletion run is started (the next 10 etc.) If <i>Automatic start</i> is not active , then the SARA transaction can be used to activate the deletion process manually

Archiving Variant Setting (RE-RT-AO)

Use

A variant setting for the archiving run (RE_RNTL_UN) determines:

- Which applications are to be archived
- Whether to carry out the archiving run for this variant as a test run or whether the data is to be archived/deleted

Integration

The settings for the test run refer to the variants stored in the archiving object-specific Customizing (see Features).

Features

You can control the archiving run in relation to the archiving object-specific Customizing in the following way, using the variant setting for the archiving object (RE_REQUEST):



Variant maintenance	Active	Not active	Setting Customizing RE_REQUEST (Default-setting)	Effect
Indicator <i>Deletion program as test run</i>	x		Test run variant: Test run is active	Selected applications are archived but not deleted
Indicator <i>Generate archive files</i>	x		Productive test run: Test run is deactivated	
Indicator <i>Deletion program as test run</i>		x	See above	Selected applications are archived and deleted
Indicator <i>Generate archive files</i>	x			

Archiving - Maintaining Variants (RE-RT-AO)

Prerequisites

Applications that have to be archived must meet the conditions set in [Check criteria \[Seite 10\]](#).

Procedure

1. Choose *Accounting* → *Real estate management* → *Tools* → *Archiving* → *Rental* → *Applications* → *Archive*

The *Create Archive Files* screen appears where you can schedule a background job for the program.



If the object has already been archived and there are still archive files that have not been processed by the relevant delete program (available from the archive run), the system issues you a message in a dialog box.

If the new job to be planned did not select the same data contained in the archive files still to be processed:

2. To select applications for archiving, enter a variant and choose *Maintain Variant*



If the option *Start autom.* is set for the deletion program in the archive object-specific Customizing and a production variant is selected, the deletion program also starts with its production variant. Deletions are made after the archiving run (refer to the example in [Variant settings: Archiving RE_REQUEST \(RE-RT-AO\) \[Seite 13\]](#))



You can only use one variant in one job. As soon as one particular variant has been used for one job and even if the run has ended successfully, the variant cannot be used in any other job.

3. Enter your settings and choose *Back*.
The initial screen appears.
4. You must make two additional settings in this screen:

Choose	Description
<i>Starttermin</i>	Define when or in which time intervals the archiving run is to be performed as a background job by the system
<i>Spoolparameter</i>	Define your print parameter. A result log is automatically printed after the archiving run.

5. Choose *Execute*

Result

The archiving run is started. In accordance with the settings made and the relevant check criteria, the applications selected are:

- Archived
- Deleted

- Transferred to the SAP-ArchiveLink-System
- Accompanied by an event log is printed.

Managing Archives (RE)

Managing Archives (RE)

Prerequisites

At least one archiving run is available for the archiving object.

Procedure

Choose *Accounting* → *Real estate management* → *Tools* → *Archiving and Manage* for the required archive object.

You can display information about an archiving run (place cursor on run) as well as starting processing activities:

Activity	Procedure
Display detailed information about the archiving run (name, date, time, user and status of archiving runs and archive file path, number of data objects and size of archive files, deletion/ArchiveLink and index status of the archive files)	Double-click the required run Make changes in the dialog box <i>Ch.<->Displ</i>
Display settings for the archiving run (Variant setting for the run)	Choose <i>User entries</i>
Store archive files in the Archive Link System Prerequisite: Connection to the archive system is set in the object-specific Customizing	Choose <i>Folders and Save files</i> in the dialog box
Process the Customizing for the archiving object	Choose Customizing
Display the database table affected by the archiving run	Choose <i>DB Tables</i>
Process background jobs for archiving objects that have not yet run	Choose <i>Job Overview</i>

Archiving Offers (RE-RT-AO)

Definition

The archiving object **RE_OFFER** comprises of all data (database tables) due for the archiving of offers.

Structure

The archiving object comprises of the following tables:

RE_OFFER Data base tables

<u>Table</u>	<u>Description</u>
VIKOKO	Real Estate condition header
VIMI33	Offer for a rental unit (-> VIMIMV)
VIMI54	Real Estate: Time-dependent adjustment data
VIMI55	Index data for the lease-out, time-dependent
VIMIUH	Sales-independent Com. LO header
VIMIUI	Sales-independent Com. LO items
VZGPO	Partner/role object relationship
VZSORT	Sort values for the object
VZZKOP	Condition item table
VZZUSP	Payment splitting

In addition there are the following archiving classes that include several tables:

RE_OFFER Archiving classes

<u>Archiving class</u>	<u>Tables</u>	<u>Description</u>
TEXT	STXB / STXH / STXL	SAPscript texts
CHANGEDOCU	CDCLS / CDHDR	Change documents

All table contents are archived **and** deleted

Integration

There are no dependencies on other archiving objects.

Checks (RE-RT-AO)

Checks (RE-RT-AO)

During the start of the archiving process, the following checks are made in the background:

Checks for the archiving RE_OFFER

What is checked?	Background
Deletion indicators set on offer?	The deletion indicator must be set for archiving The deletion indicator is set via the bulk processing for selected offers <i>Edit → Deletion indicators...</i>

Archiving Obj.-Spec. Cust. (RE-RT-AO)

Use

You use this function to make the necessary Customizing settings for the archiving of the object **RE_REQUEST**.

Integration


Make sure that the required [general Customizing settings for the archiving \[Extern\]](#) are available.

You will find information about the parameters of archiving object-specific Customizing in general Customizing settings for the archiving

Maintaining Archiving Obj.-Spec. Customizing (RE-RT-AO)

1. *Accounting* → *Real estate management* → *Tools* → *Archiving* → *Rental* → *Offers* → *Archive*
You branch to the *Generate archive files* screen.
2. Choose *Customizing*.

You can make the following settings:

Settings	Choose
for the archive object	<i>Archive-Basic settings</i> Example: Settings in the archiving object-specific Customizing (RE) [Seite 47]
for general archive Customizing: logical file names and paths	<i>File name/path cross-client</i> Or <i>File names cross-client</i>  The standard settings for the logical file path/name of all archive objects in the Real Estate component begin with IS_RE You can change or delete these settings and add your own

Example: Arch. Obj.-Spec. Cust. (RE) Settings

The setting options are the same for all archiving objects.



Field	Setting	Effect
<i>Log file name</i>	Name that has already been defined in the general archiving Customizing	Archiving run saves data in the data file specified and in the path
Archive file size: <i>Size in MB</i> and <i>Maximum number of data objects</i>	300 100	The archive run generates a new archive file (depending on which factor arises first) when the archived data reaches 300 MB in size or there is 100 data objects
Connection to the archive system: <i>Document type</i> and <i>Start automat.</i>	ARCHIVE is active	The archive file is automatically transferred to the SAP ArchiveLink-System If <i>Start automat.</i> is not active , a transfer can be made later using the archive management
Deletion program settings: <i>Start automatic</i> and <i>Commit counter</i> The <i>test</i> and <i>productive run variant</i> determine, depending on the settings of the relevant archiving run in the application, whether archiving will take place or deletion	is active 10	After the archiving, the archived data is automatically deleted in the databases After 10 database objects have been deleted, a new deletion run is started (the next 10 etc.) If <i>Automatic start</i> is not active , then the <i>SARA</i> transaction can be used to activate the deletion process manually

Archiving Variant Setting (RE-RT-AO)

Archiving Variant Setting (RE-RT-AO)

Use

A variant setting for the archiving run (RE_OFFER) determines:

- Which offers are to be archived
- Whether to carry out the archiving run for this variant as a test run or whether the data is to be archived/deleted

Integration

The settings for the test run refer to the variants stored in the archiving object-specific Customizing (see Features).

Features

You can control the archiving run in relation to the archiving object-specific Customizing in the following way, using the variant setting for the archiving object (RE_OFFER):

Variant maintenance	Active	Not active	Setting Customizing RE_OFFER (Default-setting)	Effect
	Indicator <i>Deletion program as test run</i>	x		Test run variant: Test run is active
Indicator <i>Generate archive files</i>	x		Productive test run: Test run is deactivated	
Indicator <i>Deletion program as test run</i>		x	See above	Selected offers are archived and deleted
Indicator <i>Generate archive files</i>	x			

Archiving - Maintaining Variants (RE-RT-AO)

Prerequisites

Offers that have to be archived must meet the conditions set in [Check criteria \[Seite 18\]](#).

Procedure

1. Choose *Accounting* → *Real estate management* → *Tools* → *Archiving* → *Rental* → *Applications* → *Archive*

The *Create Archive Files* screen appears where you can schedule a background job for the program.



If the object has already been archived and there are still archive files that have not been processed by the relevant delete program (available from the archive run), the system issues you a message in a dialog box.

If the new job to be planned did not select the same data contained in the archive files still to be processed:

2. You enter a variant, select *Maintain Variant* to select the management contracts for archiving.



If the option *Start autom.* is set for the deletion program in the archive object-specific Customizing and a production variant is selected, the deletion program also starts with its production variant. Deletions are made after the archiving run (refer to the example in [Variant settings: Archiving RE OFFER \(RE-RT-AO\) \[Seite 22\]](#))



You can only use one variant in one job. As soon as one particular variant has been used for one job and even if the run has ended successfully, the variant cannot be used in any other job.

3. Enter your settings and choose *Back*.
The initial screen appears.
4. You must make two additional settings in this screen:

Choose	Description
<i>Start date</i>	Define when or in which time intervals the archiving run is to be performed as a background job by the system
<i>Spoolparameter</i>	Define your print parameter. A result log is automatically printed after the archiving run.

5. Choose *Execute*

Result

The archiving run is started. In accordance with the settings made, and the relevant check criteria, the offers selected are

- Archived
- Deleted

Archiving - Maintaining Variants (RE-RT-AO)

- Transferred to the SAP-ArchiveLink-System
- An event log is printed.

Managing Archives (RE)

Prerequisites

At least one archiving run is available for the archiving object.

Procedure

Choose *Accounting* → *Real estate management* → *Tools* → *Archiving and Manage* for the required archive object.

You can display information about an archiving run (place cursor on run) as well as starting processing activities:

Activity	Procedure
Display detailed information about the archiving run (name, date, time, user and status of archiving runs and archive file path, number of data objects and size of archive files, deletion/ArchiveLink and index status of the archive files)	Double-click the required run Make changes in the dialog box <i>Ch.<->Displ</i>
Display settings for the archiving run (Variant setting for the run)	Choose <i>User entries</i>
Store archive files in the Archive Link System Prerequisite: Connection to the archive system is set in the object-specific Customizing	Choose <i>Folders and Save files</i> in the dialog box
Process the Customizing for the archiving object	Choose <i>Customizing</i>
Display the database table affected by the archiving run	Choose <i>DB Tables</i>
Process background jobs for archiving objects that have not yet run	Choose <i>Job Overview</i>

Archiving Flow Data for LO (RE-RT-LO)

Definition

The archiving object **RE_FLOW_DT** comprises of all data (database tables) due for the archiving of flow data belonging to a lease-out.

Structure

The archiving object comprises of the following tables:

RE_FLOW_DT Data base tables

Table	Description
VIBEPP	Flow data plan items for Real Estate management All table contents are archived and deleted
VIMIMV	Lease-out These table contents are archived but not deleted


Integration

There could still be entries with a prior posting date in the VIBEPP table but these entries are not complete. If VIBEPP records are archived and deleted in the database, new planned records are generated and, if necessary, posted again for the debit position for those (actual) records that have been archived. Due to the above, the time prior to this date has to be considered as unchangeable.

Checks (RE-RT-LO)

During the archiving process, the following checks are made in the background:

Checks for the archiving RE_FLOW_DT

Checks in the Preparatory Program	
What is checked?	Background
Are flows for the cash flow as actual records available?	Records for the cash flow must be posted via debit position for the archiving
Does a flow type of an actual record have the flow method for cash deposits ?	Flow types with these flow methods are not archived The archiving here can only be carried out via the archiving object for the lease-out (RE_RENTL_AG)
Is the FI document relevant to the current record archived?	If a FI document is reversed, the corresponding VIBEPP record is reset from actual to plan  Archived documents cannot be reversed
Has the residence time 1 elapsed since the posting date?	The deletion indicators can only be set once the residence time 1 has elapsed (Customizing setting)

Checks in the Archiving Program	
What is checked?	Background
Has the deletion indicator been set?	The deletion indicator is the prerequisite to archive selected flow data and to delete them
Has the residence time 2 elapsed since the date of the deletion indicator (DLIN)?	Flows with the deletion indicator can only be archived and deleted once the residence 2 time has elapsed (Customizing setting)

Archiving Obj.-Spec. Cust. (RE-RT-LO)

Use

You use this function to make the necessary Customizing settings for the archiving of the object **RE_FLOW_DT**.

Integration

Make sure that the required [general Customizing settings for the archiving \[Extern\]](#) are available. You will find information about the parameters of archiving object-specific Customizing in general Customizing settings for the archiving.

Features

Technical values

See [Example: Settings in the archiving object-specific Customizing \(RE\) \[Seite 47\]](#)

Residence times

You can specify when an object is to be archived/deleted using residence times.

The retention period describes the entire time period that the data is in the database up to that point in time when the archiving takes place. The retention period is always longer than the residence time. The residence time describes the minimum length of time (as set in Customizing, or required by law etc.) that data must remain in the database before archiving. The residence time is always shorter than the retention period.

The **residence time 1** is the time lapsing between the posting date of a flow record and the activating of the deletion indicator.

If the length of the residence time 1 is equal to 0 then the deletion indicator is activated immediately.

The **residence time 2** is the time lapse between the activating of deletion indicator and that point in time when the archiving of the flow record takes place. At this point (= when the archiving takes place) the object can be deleted from the database.

You can make the following settings for the residence time:

- Residence time 1

You specify the number of days after the posting date that must elapse before the archiving program can set the deletion indicator.

- Residence time 2

You specify the number of days that must elapse before the archiving program can delete and archive documents with deletion indicators.



If changes are made to the lease-out during the residence time, the deletion indicator is not set or there is no archiving of the flow data.

Maintaining Archiving Obj.-Spec. Customizing (RE-RT-LO)




You make the settings for the residence times in Customizing for Real Estate : *R/3 Real Estate* → *Tools* → *Archiving*

1. *Accounting* → *Real estate management* → *Tools* → *Archiving* → *Rental* → *Lease-out* → *Archive*

You branch to the *Generate archive files* screen.

2. Choose *Customizing*.

You can make the following settings:

Settings	Choose
for the archive object	<i>Archive-Basic settings</i> Example: Settings in the archiving object-specific Customizing (RE) [Seite 47]
for general archive Customizing: logical file names and paths	<i>File name/path cross-client</i> Or <i>File names cross-client</i>  The standard settings for the logical file path/name of all archive objects in the Real Estate component begin with IS_RE You can change or delete these settings and add your own

Example: Arch. Obj.-Spec. Cust. (RE) Settings

The setting options are the same for all archiving objects.



Field	Setting	Effect
<i>Log file name</i>	Name that has already been defined in the general archiving Customizing	Archiving run saves data in the data file specified and in the path
Archive file size: <i>Size in MB</i> and <i>Maximum number of data objects</i>	300 100	The archive run generates a new archive file (depending on which factor arises first) when the archived data reaches 300 MB in size or there is 100 data objects
Connection to the archive system: <i>Document type</i> and <i>Start automat.</i>	ARCHIVE is active	The archive file is automatically transferred to the SAP ArchiveLink-System If <i>Start automat.</i> is not active , a transfer can be made later using the archive management
Deletion program settings: <i>Start automatic</i> and <i>Commit counter</i> The <i>test</i> and <i>productive run variant</i> determine, depending on the settings of the relevant archiving run in the application, whether archiving will take place or deletion	is active 10	After the archiving, the archived data is automatically deleted in the databases After 10 database objects have been deleted, a new deletion run is started (the next 10 etc.) If <i>Automatic start</i> is not active , then the <i>SARA</i> transaction can be used to activate the deletion process manually

Variant Setting for Prep. Program (RE-RT-LO)

Use

This function sets the necessary deletion indicator for the archiving of the selected flow records.

Integration

Customizing settings (archiving object-specific Customizing)

The processes for archiving and for deletion are specified in the residence time 1 in the Customizing (see Features).

Debit position for the lease-out

The deletion indicator can only be set for those flow records that are marked as **actual records** by the debit position in the cash flow.

Flow type settings

No deletion indicator is set for flow types for the cash deposit.

These flow types can only be compiled using the archiving for the lease-out (RE_RENTL_AG).

Features

The preparatory program automatically sets the deletion indicator for selected flow records and lists details of the last time the data was processed (date, time, last agent and user).

No deletion indicator is set meaning records cannot be activated for flow types not fulfilling the check criteria (see **Integration** and [Checks RE_FLOW_DT \(RE-RT-LO\) \[Seite 27\]](#)).

You can simulate the preparatory program; all flow records for which the deletion indicator is planned are logged and can then be checked.

Prep. Program - Maintaining Variants (RE-RT-LO)

Prerequisites

Flow records for the lease-out that should be assigned a deletion indicator must meet the conditions set in [Check criteria \[Seite 27\]](#).

Procedure

1. Choose *Accounting* → *Real estate management* → *Tools* → *Archiving* → *Rental* → *Lease-out flows* → *Set deletion indicator*.

You branch to the screen for the preparatory program in which you can plan the background job for the preparatory program.

2. You enter a variant, select *Maintain variants* to select the flow records on which the deletion indicators are to be activated.



You can only use a variant in one job. As soon as a variant has been used for one job and even once the run has ended successfully, this variant cannot be used in any other job.

3. Enter your settings.



You can also simulate a preparatory program by setting the indicator *Create log only*.

4. Choose *Back*.

You return to the initial screen.

5. You must make two additional settings in this screen:

Choose	Description
<i>Start date</i>	Define when or in which time intervals the preparatory program is to be performed as a background job by the system
<i>Spool parameters</i>	Define your print parameter. A result log is automatically printed after the archiving run

6. Choose *Execute*.

Result

The archiving run is started. In accordance with the settings made and the relevant check criteria, the flow records selected are

- Marked with a deletion indicator (check on residence time 1)
- In addition, an event log is printed

Archiving Variant Setting (RE-RT-LO)

Use

A variant setting for the archiving run (RE_FLOW_DT) determines:

- Which flow records are to be archived for the lease-out
- Whether to carry out the archiving run for this variant as a test run or whether the data is to be archived/deleted

Integration

Preparatory program

The archiving program only processes flow records that have been marked for deletion in the previous preparatory program.

Customizing settings (archiving object-specific Customizing)

The settings for the test run refer to the variants stored in the Customizing (see Features).

The processes for archiving and for deletion of the flow records are specified in the residence time 2 in the Customizing (see Features).

Features

Settings

You can control the archiving run in relation to the archiving object-specific Customizing in the following way, using the variant setting for the archiving object (RE_FLOW_DT) :

Variant maintenance	Active	Not active	Setting Customizing RE_FLOW_DT (Default-setting)	Effect
Indicator <i>Deletion program as test run</i> Indicator <i>Generate archive files</i>	x x		Test run variant: Test run is active Productive test run: Test run is deactivated	Selected flow records are archived but not deleted
Indicator <i>Deletion program as test run</i> Indicator <i>Generate archive files</i>	x	x	See above	Selected cash flows are archived and deleted

Archiving and deleting

The entire archiving process with preparatory program, archiving and deletion program is designed as **archiving in two stages**:

- The deletion indicator is set for processed items in the preparatory program during which the system checks the parameter of residential time 1.
- The items are archived with the deletion indicator in the archiving run and deleted during which the system checks the parameter of residential time 2.

Archiving - Maintaining Variants (RE-RT-LO)

Prerequisites

Flow records that have to be archived must meet the conditions set in [Checks RE_FLOW_DT \(RE-RT-LO\) \[Seite 27\]](#).

Procedure

Accounting → *Real estate management* → *Tools* → *Archiving* → *Lease-out flows* → *Archive*
 The *Create Archive Files* screen appears where you can schedule a background job for the program.



If the object has already been archived and there are still archive files that have not been processed by the relevant delete program (available from the archive run), the system issues you a message in a dialog box.

If the new job to be planned did not select the same data contained in the archive files still to be processed:

1. You enter a variant, select *Maintain Variant* to select the flow records for archiving.



If the option *Start autom.* is set for the deletion program in the archive object-specific Customizing and a production variant is selected, the deletion program also starts with its production variant meaning that deletions are made after the archiving run (refer to the example in [Variant settings: Archiving RE_FLOW_DT \(RE-RT-LO\) \[Seite 35\]](#)).



You can only use one variant in one job. As soon as one particular variant has been used for one job and even if the run has ended successfully, the variant cannot be used in any other job.

2. Enter your settings and choose *Back*.
 The initial screen appears.
3. You must make two additional settings in this screen:

Choose	Description
Start date	Define when or in which time intervals the archiving run is to be performed as a background job by the system
Spoolparameter	Define your print parameter. A result log is automatically printed after the archiving run.

4. Choose *Execute*

Result

The archiving run is started. In accordance with the settings made and the relevant check criteria, the flow records selected are

- Archived
- (and/or) Deleted (test on residence time 2)

Archiving - Maintaining Variants (RE-RT-LO)

- Transferred to the SAP-ArchiveLink-System
- The date up to which the flow records are archived is updated for each lease-out. If the date set for archiving is prior to the date on which the new records are to be archived, an update is made. The date is always corrected up to the later one.

In addition, an event log is printed.

Managing Archives (RE)

Prerequisites

At least one archiving run is available for the archiving object.

Procedure

Choose *Accounting* → *Real estate management* → *Tools* → *Archiving and Manage* for the required archive object.

You can display information about an archiving run (place cursor on run) as well as starting processing activities:

Activity	Procedure
Display detailed information about the archiving run (name, date, time, user and status of archiving runs and archive file path, number of data objects and size of archive files, deletion/ArchiveLink and index status of the archive files)	Double-click the required run Make changes in the dialog box <i>Ch.<->Displ</i>
Display settings for the archiving run (Variant setting for the run)	Choose <i>User entries</i>
Store archive files in the Archive Link System Prerequisite: Connection to the archive system is set in the object-specific Customizing	Choose <i>Folders and Save files</i> in the dialog box
Process the Customizing for the archiving object	Choose <i>Customizing</i>
Display the database table affected by the archiving run	Choose <i>DB Tables</i>
Process background jobs for archiving objects that have not yet run	Choose <i>Job Overview</i>

Archiving Lease-outs (RE-RT-RC)

Archiving Lease-outs (RE-RT-RC)

Definition

The archiving object **RE_RNTL_AG** defines all database tables that are necessary for the archiving of lease-outs.

Structure

The archiving object comprises of the following tables:

RE_RNTL_AG Data base tables

Table	Description
VIBEPP	Flow data-Plan items for Real Estate management
VIKOKO	Real Estate condition header
VIMI18	Rental adjustment history of the lease-out
VIMI25	Sales reports
VIMI32	Other collateral
VIMI38	Cost centers (RU/LO) Real Estate
VIMI39	Tenant changeover: data about the apartment inspection
VIMI40	Tenant changeover; data for the release of rental collateral
VIMI47	Assignment of maintenance orders for the release of tenant changeover deposit
VIMI54	Real Estate: Time-dependent adjustment data
VIMI55	Index data for the lease-out, time-dependent
VIMI56	LO: Adjustment block for condition types
VIMIMV	Lease-out
VIMIUH	Sales-independent Com. LO header
VIMIUI	Sales-independent Com. LO items
VIZNR	Real Estate key assignment
VIOBOV	Third-party object (CO/PM orders) assignment
VZGPO	Partner/role object relationship
VZSORT	Sort values for the object
VZZKOPO	Condition item table
VZZUSP	Payment splitting

In addition there are the following archiving classes that include several tables:

RE_RNTL_AG Archiving classes

Archiving class	Tables	Description
-----------------	--------	-------------

TEXT	STXB / STXH / STXL	SAPscript texts
CHANGEDOCU	CDCLS / CDHDR	Change documents
STATUS	JCDO / JCDS / JEST / JSTO	Status objects
K_TOTAL	CO tables	CO. Superordinate data for CO data

All table contents are archived **and** deleted

Integration

The archiving has the following effects on other objects/functions

- **Service charge settlements**
that affect archived lease-outs cannot be reversed
- **Option rates**
cannot be automatically calculated for the time periods during which lease-outs are archived since it is not known if the rental unit is opted or not. In this case, you have to adjust the option rate manually
- **Owner settlement, sales settlement, debit position lease-out and debit position management contract**
The above processes cannot be performed on archived lease-outs. (This problem is also not usually important for our purposes since archiving is not applied to periods of time which have not fully elapsed.)
As is the case for the service charge settlement, these settlements cannot be reversed

Checks (RE-RT-RC)

Checks (RE-RT-RC)

During the archiving process, the following checks are made in the background:

Checks for the archiving RE_RNTL_AG

Checks in the Preparatory Program	
What is checked?	Background
Has the deletion flag (DLFL) status been set on the relevant lease-outs?	Deletion indicators can only be set for lease-outs with the DLFL status You must set the deletion flag manually for each lease-out using <i>Edit</i> → <i>Functions</i> → <i>Set deletion flag</i> Prerequisite for the DLFL: Termination or rental-end date has been exceeded
Has the deletion flag (DLFL) status been set on the relevant third-party objects (CO/PM)?	Deletion indicators can only be set for third-party objects with the DLFL status
Has the service charge settlement been performed on the relevant lease-outs?	Lease-outs can only be archived after the complete service charge settlement has been implemented
Is the object balance of the relevant building = 0?	Is a general CO planned for the system meaning that if a CO settlement is implemented then the LO should have an object balance of zero The control is via the application status that can prevent the archiving if the balance is not equal to 0 (see <i>Variant setting for the preparation program</i>)
Has the residence time 1 elapsed since the deletion flag (DLFL) has been set?	The deletion indicators can only be set once the residence time 1 has elapsed (Customizing setting)

Checks in the Archiving Program	
What is checked?	Background
Is the deletion indicator (system status DLIN) set on the selected lease-outs?	The deletion indicator is the prerequisite for deleting lease-outs that are archived.
Is the deletion indicator (system status DLIN) set on the third-party objects ?	The deletion indicator is the prerequisite for deleting third-party objects that are archived
Has the residence time 2 elapsed since the deletion indicator (DLIN) has been set?	Lease-outs with the deletion indicator can only be archived and deleted once the residence 2 time has elapsed (Customizing setting)

Archiving Obj.-Spec. Cust. (RE-RT-RC)

Use

You use this function to make the necessary Customizing settings for the archiving of the object **RE_RNTL_AG**.

Integration

Make sure that the required [general Customizing settings for the archiving \[Extern\]](#) are available. You will find information about the parameters of archiving object-specific Customizing in general Customizing settings for the archiving

Features

Technical values

See [Example: Settings in the archiving object-specific Customizing \(RE\) \[Seite 47\]](#)

Residence times

You can specify when an object is to be archived/deleted using residence times.

The retention period describes the entire time period that the data is in the database up to that point in time when the archiving takes place. The retention period is always longer than the residence time. The residence time describes the minimum length of time (as set in Customizing, or required by law etc.) that data must remain in the database before archiving. The residence time is always shorter than the retention period.

The **residence time 1** is the time lapsing between the activating of the deletion selection and the activating of the deletion indicator.

If the length of the residence time 1 is equal to 0 then the activation of the deletion selection means the activation of the deletion indicator

The **residence time 2** is the time lapse between the activating of deletion indicator and that point in time when the archiving takes place. At this point (= when the archiving takes place) the object can be deleted from the database.

You can make the following settings for the residence time:

- Residence time 1
You specify the number of days **after the date of deletion flag** that must elapse before the archiving program can set the deletion indicator.
- Residence time 2
You specify the number of days **after the date on which the deletion indicators are activated** that must elapse before the archiving program can delete the lease-outs that are marked with deletion indicators.

If changes are made to the lease-out during the residence time, the deletion indicator is not set or there is no archiving.

Maintaining Archiving Obj.-Spec. Customizing (RE-RT-RC)




You make the settings for the residence times in Customizing for Real Estate : *R/3 Real Estate* → *Tools* → *Archiving*

1. *Accounting* → *Real estate management* → *Tools* → *Archiving* → *Rental* → *Lease-out* → *Archive*

You branch to the *Generate archive files* screen.

2. Choose *Customizing*.

You can make the following settings:

Settings	Choose
for the archive object	<i>Archive-Basic settings</i> Example: Settings in the archiving object-specific Customizing (RE) [Seite 47]
for general archive Customizing: logical file names and paths	<i>File name/path cross-client</i> Or <i>File names cross-client</i>  The standard settings for the logical file path/name of all archive objects in the Real Estate component begin with IS_RE You can change or delete these settings and add your own

Example: Arch. Obj.-Spec. Cust. (RE) Settings

The setting options are the same for all archiving objects.



Field	Setting	Effect
<i>Log file name</i>	Name that has already been defined in the general archiving Customizing	Archiving run saves data in the data file specified and in the path
Archive file size: <i>Size in MB</i> and <i>Maximum number of data objects</i>	300 100	The archive run generates a new archive file (depending on which factor arises first) when the archived data reaches 300 MB in size or there is 100 data objects
Connection to the archive system: <i>Document type</i> and <i>Start automat.</i>	ARCHIVE is active	The archive file is automatically transferred to the SAP ArchiveLink-System If <i>Start automat.</i> is not active , a transfer can be made later using the archive management
Deletion program settings: <i>Start automatic</i> and <i>Commit counter</i> The <i>test</i> and <i>productive run variant</i> determine, depending on the settings of the relevant archiving run in the application, whether archiving will take place or deletion	is active 10	After the archiving, the archived data is automatically deleted in the databases After 10 database objects have been deleted, a new deletion run is started (the next 10 etc.) If <i>Automatic start</i> is not active , then the <i>SARA</i> transaction can be used to activate the deletion process manually

Variant Setting for Prep. Program (RE-RT-RC)

Use

This function sets the necessary deletion indicator for the archiving of the selected lease-outs.

Prerequisites

Customizing settings (archiving object-specific Customizing)

The processes for archiving and for deletion are specified in the residence time 1 in the Customizing (see Features)

Lease-out settings

- The system status deletion flag (DLFL) must be set (manual processing) on the lease-out
- The object balance for the CO settlement should be equal to zero



The system standard makes possible the archiving of contracts with an object balance that is equal to 0. This is based on the economic process *Archiving for balance not 0* that is initially assigned to a contract.

To avoid this, proceed as follows:

- Define an application status in Real Estate Customizing. This application status must be assigned to the process *Archiving for balance not 0* (this process is also delivered as standard - path in the Real Estate Customizing): *R/3 Real Estate → Master data → Object attributes..... → Application status and permitted processes*).
- Assign each lease-out this user-defined application status.

Service charge settlement

All service charges are invoiced (the most recent service charge settlement run per lease-out is implemented).

Features

The preparatory program automatically sets the deletion indicator for selected lease-out and lists details of the last time the data was processed (date, time, last agent and user).

No deletion indicator is set meaning records cannot be activated for lease-outs not fulfilling the check criteria (see **Requirements** and [Checks RE_RNTL_AG \(RE-RT-RC\) \[Seite 42\]](#))

The system status **POAR Part Objects Archived** is assigned to the relevant settlement units (defined by the settlement participation for the lease-out). Once this status has been assigned, reversing the service charge settlement is no longer possible.

You can simulate the preparatory program; all lease-outs for which the deletion indicator is planned are logged and can then be checked.

Prep. Program - Maintaining Variants (RE-RT-RC)

Prerequisites

Lease-outs that should be assigned a deletion indicator must meet the conditions set in [Check criteria \[Seite 42\]](#).

Procedure

1. Starting from the initial screen choose *Accounting → Real estate management → Rental management → Rental*.
You branch to lease-out management.
2. Choose *Archive → Lease-outs → Set deletion indicators*.
You branch to the screen for maintaining variants in which you can plan the background job for the preparatory program.
3. You enter a variant, select *Maintain variants* to select the lease-out on which the deletion indicators are to be activated.



You can only use a variant in one job. As soon as a variant has been used for one job and even once the run has ended successfully, this variant cannot be used in any other job.

4. Enter your settings.



You can also simulate a preparatory program by setting the indicator *Create log only*.

5. Choose *Back*.
You return to the initial screen.
6. You must make two additional settings in this screen:

Choose	Description
<i>Start date</i>	Define when or in which time intervals the preparatory program is to be performed as a background job by the system
<i>Spool parameter</i>	Define your print parameter. A result log is automatically printed after the archiving run.

7. Choose the *Execute* function.

Result

The archiving run is started. In accordance with the settings made and the relevant check criteria, the lease-outs selected are

- marked with a deletion indicator (check on residence time 1)
- all settlement units affected in lease-outs get the status **POAR Part Objects Archived**.
- the last processing is recorded
- in addition, an event log is printed

Archiving Variant Setting (RE-RT-RC)

Use

A variant setting for the archiving run (RE_RNTL_AG) determines:

- Which management contracts are to be archived
- Whether to carry out the archiving run for this variant as a test run or whether the data is to be archived/deleted

Integration

Preparatory program

The archiving program only processes lease-outs that have been marked for deletion in the previous preparatory program.

Customizing settings (archiving object-specific Customizing)

The settings for the test run refer to the variants stored in the Customizing (see Features).

The processes for archiving and for deletion of the lease-outs are specified in the residence time 2 in the Customizing (see Features).

Features

Settings

You can control the archiving run in relation to the archiving object-specific Customizing in the following way, using the variant setting for the archiving object (RE_RNTL_AG):

Variant maintenance	Active	Not active	Setting Customizing RE_RNTL_AG (Default-setting)	Effect
Indicator <i>Deletion program as test run</i> Indicator <i>Generate archive files</i>	x x		Test run variant: Test run is active Productive test run: Test run is deactivated	Selected flow records are archived but not deleted
Indicator <i>Deletion program as test run</i> Indicator <i>Generate archive files</i>	x	x	See above	Selected cash flows are archived and deleted

Archiving and deleting

The entire archiving process with preparatory program, archiving and deletion program is designed as **archiving in two stages**:

- The deletion indicator is set for processed items in the preparatory program during which the system checks the parameter of residential time 1.
- The items are archived with the deletion indicator in the archiving run and deleted during which the system checks the parameter of residential time 2.

Archiving Variant Setting (RE-RT-RC)

Index creation

The system automatically makes an index after every deletion process. This index makes it possible to find archived and deleted lease-outs quickly.

Archiving - Maintaining Variants (RE-RT-RC)

Prerequisites

Lease-outs that have to be archived must meet the conditions set in [Checks RE_RNTL_AG \(RE-RT-RC\) \[Seite 42\]](#)

Procedure

1. *Accounting* → *Real estate management* → *Tools* → *Archiving* → *Rental* → *Lease-out* → *Archive*

The *Create Archive Files* screen appears where you can schedule a background job for the program.



If the object has already been archived and there are still archive files that have not been processed by the relevant delete program (available from the archive run), the system issues you a message in a dialog box.

If the new job to be planned did not select the same data contained in the archive files still to be processed:

2. You enter a variant, select *Maintain Variant* to select the lease-outs for archiving.



If the option *Start autom.* is set for the deletion program in the archive object-specific Customizing and a production variant is selected, the deletion program also starts with its production variant meaning that deletions are made after the archiving run (refer to the example in [Variant settings: Archiving RE_RNTL_AG \(RE-RT-RC\) \[Seite 51\]](#))



You can only use one variant in one job. As soon as one particular variant has been used for one job and even if the run has ended successfully, the variant cannot be used in any other job.

3. Enter your settings and choose *Back*.
The initial screen appears.
4. You must make two additional settings in this screen:

Choose	Description
<i>Start date</i>	Define when or in which time intervals the archiving run is to be performed as a background job by the system
<i>Spoolparameter</i>	Define your print parameter. A result log is automatically printed after the archiving run.

5. Choose *Execute*

Result

The archiving run is started. In accordance with the settings made and the relevant check criteria, the lease-outs selected are

- Archived
- (and/or) Deleted (test on residence time 2)

Archiving - Maintaining Variants (RE-RT-RC)

An index is always made after the action **Start delete program**. This index ensures that you can always find deleted lease-outs in the archive files (only available for a connected ArchiveLink-System!).

An index can be deleted or rebuilt

- Transferred to the SAP-ArchiveLink-System

In addition:

- The date up to which the flow records are archived is updated for each lease-out
- Accompanied by an event log is printed.
- The corresponding key (IMKEY) for each object is updated to the VIAROBJ table



If lease-outs have been archived prior to 4.0C, the VIAROBJ table is formed by the RFVIAR40C report and the corresponding VIZNRN table is deleted. The VIARMV table is evaluated for this. Archived lease-outs (also redundant ones) are listed in this table as they are needed for the automatic number assignment.

Removing Index: Maintaining Variants (RE-RT-RC)

1. Choose *Accounting* → *Real estate management* → *Tools* → *Archiving* → *Rental* → *Lease-outs* → *Remove index*.

You branch to the *Remove Index* screen in which you can plan the background job for the program.

2. To remove the index, enter a variant and select *Maintain variants*.



You can only use a variant in one job. As soon as a variant has been used for one job and even once the run has ended successfully, this variant cannot be used in any other job.

3. Enter your data and choose *Back*.

You return to the initial screen.

4. You must make two additional settings in this screen:

Choose	Description
<i>Start date</i>	Define when or in which time intervals the archiving run is to be performed as a background job by the system
<i>Spool parameters</i>	Define your print parameter. A result log is automatically printed after the archiving run

5. Choose *Execute*.

Result

The index is removed (deleted) by the date entered.

You can create a new index.

Creating Index: Maintaining Variants (RE-RT-RC)

Procedure

1. Choose *Accounting* → *Real estate management* → *Tools* → *Archiving* → *Rental* → *Lease-outs* → *Create archive index*.
You branch to the *Create Index* screen in which you can plan the background job for the program.
2. Using the *Archive Selection* function, select the archiving run that is to have an index.
In the dialog box you can display information about a run by double-clicking on the required run or by using the *User entries* function.
3. Position the cursor on the required run and choose the *Continue* function.
You return to the initial screen.
4. You must make two additional settings in this screen:

Choose	Description
<i>Start date</i>	Define when or in which time intervals the archiving run is to be performed as a background job by the system
<i>Spool parameters</i>	Define your print parameter. A result log is automatically printed after the archiving run

5. Choose *Execute*.

Result

The index is created up to the date entered.

Managing Archives (RE)

Prerequisites

At least one archiving run is available for the archiving object.

Procedure

Choose *Accounting* → *Real estate management* → *Tools* → *Archiving and Manage* for the required archive object.

You can display information about an archiving run (place cursor on run) as well as starting processing activities:

Activity	Procedure
Display detailed information about the archiving run (name, date, time, user and status of archiving runs and archive file path, number of data objects and size of archive files, deletion/ArchiveLink and index status of the archive files)	Double-click the required run Make changes in the dialog box <i>Ch.<->Displ</i>
Display settings for the archiving run (Variant setting for the run)	Choose <i>User entries</i>
Store archive files in the Archive Link System Prerequisite: Connection to the archive system is set in the object-specific Customizing	Choose <i>Folders and Save files</i> in the dialog box
Process the Customizing for the archiving object	Choose <i>Customizing</i>
Display the database table affected by the archiving run	Choose <i>DB Tables</i>
Process background jobs for archiving objects that have not yet run	Choose <i>Job Overview</i>