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## Migration of a new TWS-Version

This chapter describes the needed steps to migrate the TWS/Audit Database if you upgrade to a newer TWS Version or Release.

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## Migration of TWS

Please make sure that you have made a CP-Replan or -Extent with the old TWS to write all data to the tracklog file EQQTROUT. Then use the TWS/Audit job OPAJCPT to read this tracklog. Now all changes in the old TWS are recognised by TWS/Audit.

Now you can migrate to the TWS version and test it. Make sure that you do not run any TWS/Audit jobs until you also have migrated the TWS/Audit jobs.

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## Changing the TWS/Audit parameters

The first step is the same as in the first installation of TWS/Audit: Edit the member OPAXPARM and change the names of the TWS data sets, the subsystem name and the Version character. Leave the names of the TWS/Audit data sets untouched.

Create a backup of the manually changed members in TWSAUDIT.CLIST

Now start the installation procedure OPAXINST to generate the new jobs and CLIST members.

Edit the members in TWSAUDIT.CLIST to adapt skeletons and parm members to your needs.

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## Conversion of the TWS/Audit Database

In older releases, you used program OPAICNV to convert the TWS/Audit database to a new release. This step is no longer needed, and program OPAICNV is no longer delivered.

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## TWS Version in TWS/Audit program names

The following TWS/Audit programs are independent of the TWS version:

- OPAICLN
- OPAIGDB
- OPAIGDD
- OPAIMNT
- OPAIZIP

**Attention:** The load modules OPAIGDD and OPAIGDB end with a letter that indicates also a TWS version, but these load modules are TWS version/release independent. Following TWS/Audit programs dependent on the TWS version/release:

- OPAICMPs
- OPAICPs
- OPAICPDs
- OPAICPJ
- OPAIREPs

The load modules OPAPRCs and CNV60s are fetched from other load modules and not called directly.

TWS versions and TWS/Audit program names:

TWS Version	TWS TRLRCVER	TWS FMID	HORIZONT Program Suffix	TWS/Audit Program Names
TWS 8.3	'C7'X	HWSZ300	B	OPAI...B
TWS 8.5	'C8'X	HWSZ500	C	OPAI...C
TWS 8.5.1	'C9'X	HWSZ510	D	OPAI...D
TWS 8.6	'D1'X	HWSZ600	E	OPAI...E

If the input data is not from expected TWS release, the TWS/Audit programs OPAJCP or OPAJCPJ ends with the error message like this:

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INFO: Input seems not to be from expected TWS release. Debug info TRLRCVER:
      Expected: 'C9'X (TWS 8.5.1)
      Found   : 'C7'X (TWS 8.3) in line 1344, DDName=EQQTROUT

WARNING: The used TWS/Audit load module should not process this input, check if your
TWS/Audit load library contains the right load modules and follow the chapter
'Migration of a new TWS-Version' in the TWS/Audit Manual. Otherwise please upgrade to
the latest TWS/Audit version. For more information about identifying load modules see
TWS/Audit Manual.
  
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With module OPAICP, it is not possible to process input created by a wrong TWS release, so this program ends with RC 12 if such a situation is found.

Module OPAICPJ is able to handle data from all currently supported TWS releases, but it ends with RC 4 to inform you about the use of a wrong module, which may lead to problems in the dialog when functions like Restore are used.

To solve this problem, be sure to run the correct variant of load module, which corresponds to your TWS Version.

If PTFs of TWS APAR PM26733 are installed and therefore the tracklog records contain the correct TWS release level, TWS/Audit can verify the field TRLRCVER. If this doesn't work, please install a latest TWS/Audit fix (2011-03-15 or higher).