News from support organisation
- Data Archiving, Table Analysis, Archive Information System -

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- Dynamic subfields for ad hoc analyses
- Deletion of old table analyses in the background

Archive Information System

- Archive Explorer: Grid display
Basis for Data Archiving (Archive Development Kit - ADK)

Archive Administration (transaction: SARA)
Archiving Statistics (1/2)

Until now:
Calculation is done on the basis of the line length of the corresponding ABAP Dictionary object type. This may result in lack of precision. Especially in case of:

- tables that exist in compressed form in the database
- tables that contain table fields with a variable length (for example, the data types LCHAR, LRAW, STRING and XSTRING)
- Unicode databases, because here in most cases more than n bytes of memory space are required in the database for n characters (width = n) in a character-like field (for example, at least 2n bytes of memory space for UTF-16 encoding)
Archiving Statistics (2/2)

New:
Usage of statistic information of the database system for calculation of data archiving statistics

• By means of this, the already mentioned disadvantages by calculation on basis of DDIC-object definitions slip away
• On condition that current database statistic data are available, the calculation of memory space is more exact.
• Can be adjusted in customizing (SARA → ‘cross-archiving object customizing → technical settings’)
• Delivered with SAP_BASIS 7.40 SP 10 (SAP note 2003678)
Print list for archiving write jobs (1/2)

Archiving session note as title
Function that enables the title of the print list and the text for the saved list to be filled with the archiving session note (if a note of this kind is maintained in the write program variant).

- Deactivated in standard delivery
- Activation by execution of report RSARCH_SWITCH_LIST_TITLE
- Available with SAP note 2276880
Print list for archiving write jobs (2/2)

Title of print list within spool

Until now:

<table>
<thead>
<tr>
<th>Spool no.</th>
<th>Type</th>
<th>Date</th>
<th>Time</th>
<th>Status</th>
<th>Pages</th>
<th>Title or name of spool request</th>
</tr>
</thead>
<tbody>
<tr>
<td>667989</td>
<td></td>
<td>15.06.2016</td>
<td>16:34</td>
<td>-</td>
<td>1</td>
<td>Financial Accounting Documents</td>
</tr>
</tbody>
</table>

New:

<table>
<thead>
<tr>
<th>Spool no.</th>
<th>Type</th>
<th>Date</th>
<th>Time</th>
<th>Status</th>
<th>Pages</th>
<th>Title or name of spool request</th>
</tr>
</thead>
<tbody>
<tr>
<td>667990</td>
<td></td>
<td>15.06.2016</td>
<td>16:35</td>
<td>-</td>
<td>1</td>
<td>FI_DOCUMENT; BUKRS 0001; GJAH 2014/01</td>
</tr>
</tbody>
</table>

Title of print list within archive link (transaction: OAAD)

Until now:

<table>
<thead>
<tr>
<th>File</th>
<th>Cl</th>
<th>Report Name</th>
<th>Info Agent</th>
<th>Storage date/Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>FI_DOCUprints_VRI</td>
<td>123 MUSTERMANN</td>
<td>08.03.2016</td>
<td></td>
</tr>
</tbody>
</table>

New:

<table>
<thead>
<tr>
<th>File</th>
<th>Cl</th>
<th>Report Name</th>
<th>Info Agent</th>
<th>Storage date/Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>FI_DOCUprints_VRI</td>
<td>abc MUSTERMANN</td>
<td>09.05.2016</td>
<td>FI_DOCUMENT; BUKRS 0001; GJAH 2014/01</td>
</tr>
</tbody>
</table>
Job class (priority) of data archiving jobs

Until now:

Job class (priority) of data archiving jobs are always scheduled by the system with a **fixed predefined** job class.
- Write jobs, preprocessing jobs, and postprocessing jobs are scheduled with job class A
- All other data archiving jobs (e.g. deletion jobs) with job class C

New:

Job class (priority) of data archiving jobs **can** be freely **selected** within archive administration, choosing ‘customizing’, then ‘cross-archiving object customizing’.
- Delivered with SAP note 1986368
Checking and verifying archive files (1/2)

Test or verify the accessibility of a defined amount of archiving files

Verification until now:

New:
Verification can be done by use of report RSARCH_CHECK_FILES
• Execution possible either in dialog mode or as batch processing
• Scheduling of the report can also be done via transaction SARA (possible as of release SAP_BASIS 7.50 SP 4)
• Restriction criteria: archiving object, archiving run
• Processing Options:
  – check of accessing data (in filesystem or archive) or
  – Verification of data content based on available check sums in the files
• Delivered with SAP note 1918417
Checking and verifying archive files (2/2)

Report Execution:
Dialog mode:

Log display:
Results for ‘check access’:

Archive administration:

Results for ‘verification of files’:
Navigation to definition of entered content repository

Direct navigation to definition of content repository
- Via transaction SARA → Customizing → Archiving-Object-Specific Customizing → Technical Settings
- Delivered with SAP note 2299094
Outlook:
extended view and functionality in archive administration

Display filling screen with option of additional columns, filter- and search criterias

- Switches for changing between the old and new archive management display (via menu path: ‘settings’ → ‘basic view’ or ‘extended view’)
- Full screen display with option to show additional columns (in addition to the ‘note’ column), example columns:
  - executed by
  - client
  - name of archive file
  - ...
- Use of filter criterias, example:
  - archiving date
  - client
  - ...
- Search option for archiving sessions / files
- Save the changed layout and - if required - the set filter values (“Save Layout”) and to select one of the saved layouts as the default setting (“Manage Layout…”).
Table analysis (transaction: TAANA)
Selection of data records (1/2)

Limitation of analysis results by use of additional selection criteria:

- Possibility of table analysis for selected organisational units
- Limitation of maximum number of to-be-analysed records
- Support for big tables for which standard table analysis fails because of database limitations
- Delivered as of release SAP_BASIS 7.40 SP 4
Selection of data records (2/2)

Display of result
Chosen selection criterias for table analysis can be listed
Dynamic subfields for ad hoc analyses

analyses of a part of a table field (indicated by the offset and length of the part to be analyzed)

Up to now:
- only possible, if a suitable virtual field is defined in customizing.

New:
- ad hoc analysis with subfields possible
- Example: aggregation for year / month by use of date field or field containing time stamps
- Year derived from date field: subfield with length 4 and offset 0
- Delievered with SAP note 2210858
Deletion of old table analyses in the background

Regular (e.g. periodical) re-organization of table analysis results in background

Re-organization is done by use of report TAAN_DELETE_ANALYSES

- Report can be executed directly or scheduled via transaction TAANA
- Delivery of report via SAP note 2034063
- Schedule via transaction TAANA is possible as of release SAP Basis 7.50 SP 4
Archive Information System
Archive Explorer: Grid display

Output of result list and technical view in ALV grid control

- List output on a user-specific basis
- Improvement of layout and accessibility
- Delivered with SAP note 2276118
Thank you

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