#### **SAP APO Change Monitor**

Change log for APO-DP and APO-SNP

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- 1. General info about the APO-Change-Log
- 2. Settings for the Change Log
- 3. Logging via planning book notes
- 4. Logging via database table
- 5. Reorganization of log
- 6. Additional information

### **General info about the APO-Change-Log**



- The APO-Change-Log is an ad-on tool for the APO modules DP (Demand Planning) and SNP (Supply Network Planning)
- It's not a modification
- The APO-Change-Log can be used to log changes in planning data
- Every change creates an entry and can be evaluated later
- Log contains the user, planning area, key-figure, time of change, bucket and new value
- The APO-Change-Log does not only log interactive changes, all changes saved to the APO live-cache are logged, including macro job in background, loading data from info-cube, copy data to planning areas...
- Support is provided for a period of one year
- All customers receive an update with improvements and new functions whenever there is one.
- Which restrictions apply?
  - Logging takes place only at the actual planning level. E.g. changes on aggregated level are only logged on that level, log is not propagated to lower levels
  - Realignment processes are not logged
  - Performance is effected, please keep the logging volume small or log at certain times only
  - Only 20 characteristics are supported for one planning area
  - navigational attributes and notes have some restrictions in APO-Standard, that is why this is not supported. Navigational attributes and database table is fine.





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# **Settings for SAP APO Change Monitor Basis settings**



- Instruction for Basis team:
  - Please add the two provided files K-file and R-file to the import queue and import the transport request to your development system

## **Settings for SAP APO Change Monitor Authorization settings**

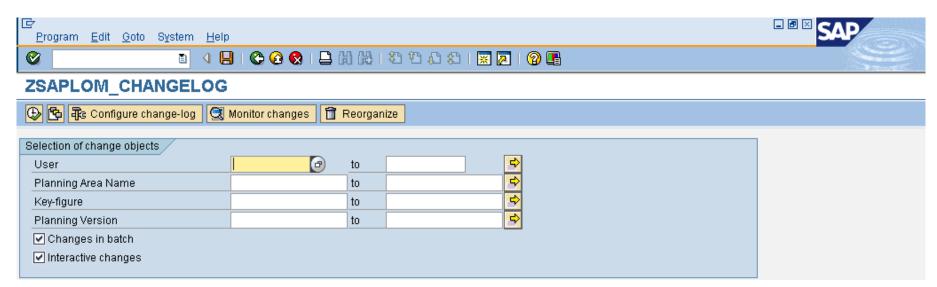


- If you have an authorization concept in place, please integrate the authorizations for the APO Change Log, otherwise please ignore this slide.
- SAP has provided the necessary elements authorization object, role and profile. Alternatively you can setup roles and profiles yourself. Roles and profiles are in transport request "APO-Change-Log Monitor Roles".
- When using the APO-Change-Log the following authorization object is checked with below activities.
- Authorization object "ZSAPLOM\_CM" with activities:
  - 22 = Enter, Include, Assign -> maintain settings for APO-Change-Log
  - 08 = Display change documents -> display log table (display of note can not be influenced by authorizations)
  - 65 = Reorganize -> delete entries from log or note table
- Below are the predefined roles and profiles from SAP, alternatively you can generate your own profiles:
  - ZSAPLOM\_CM\_MAINT (profile: T-S2610087)
  - ZSAPLOM\_CM\_VIEW (profile: T-S2610088)
  - ZSAPLOM\_CM\_REORG (profile: T-S2610089)
- Finally you must assign the roles/profiles to the users.

## **Settings for SAP APO Change Monitor Application settings**



- This activity is to maintain the users, planning areas, key-figures and planning versions to be logged.
- Call transaction ZSAPLOM CHANGELOG
- Optional pre-selection by user name, planning area, key-figure or planning version
- Press button "Configurate change-log"
- Internally authorization object "ZSAPLOM\_CM" with activity "22" is checked



## **Settings for SAP APO Change Monitor Application settings**



- Maintain any combination of user name, planning area, key-figure or planning version to be logged
- You can use "\*" anywhere to keep maintenance the effort low
- "F4" is provided anywhere
- There are two independent ways of monitoring the log data, one is via planning book notes the other is via database table (will be explained later in detail)
- Flag "log note" and/or "log database" to activate one option or both options
- Optionally activate flag "no IC Load" if loading from infocube to planning area should not be logged (because this might be performance intensive)
- Save data

Name	Planning Area	Planning Area Key Figure	Planning Version	log notes	log table	no IC Load	
*	9ADP01	*	000	~	~		
*	KH_PB	*	000	✓	~		
*	ZDP_EXP	DP_ABSKOR	000	✓	<b>V</b>		
*	Z_PO_PLAREA	*	*	<b>✓</b>			
D025652	*	9AFCST	*		~	✓	
D028992		*	000	<b>V</b>	~		
D028992	*	*	000	~	~		
D037754	*	*	*	~	~		
D047426	DP_TEST_JANSEN	KOR_VERG	000	~	<b>V</b>		



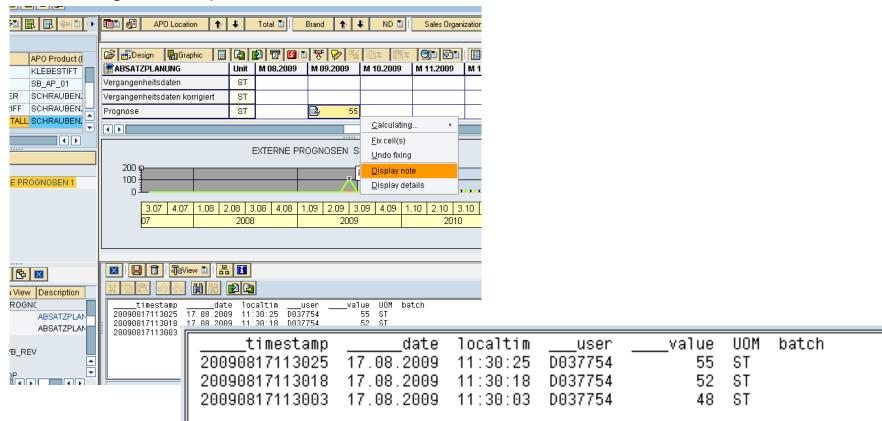


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## Logging via planning book notes



- In the settings you have set the flag "log notes"
- In the planning book an user changes a figure. On save the change log data will be saved as planning book note.
- Evaluation is possible using the note function. Each change adds one line to the note. The newest change is on top.



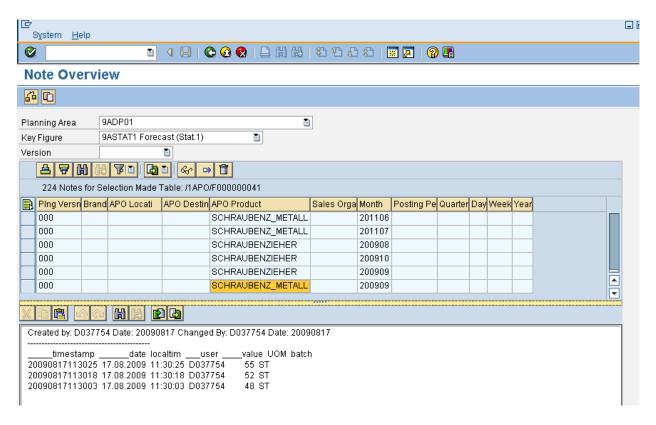
## Logging via planning book notes



- Alternatively to the note monitoring in the planning books notes can also be monitored with transaction /n/SAPAPO/SDP\_NOTES
- Notes can still be used for other purposes, the planner can put additional info right next to the log text

There is no separate authorization object for notes meaning users can overwrite notes if they

want



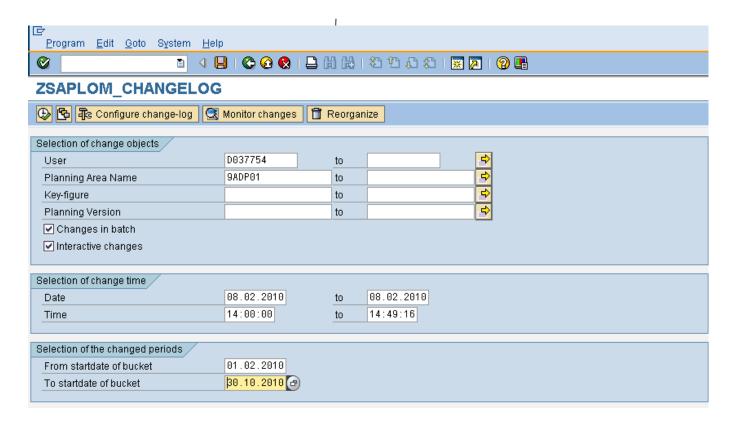




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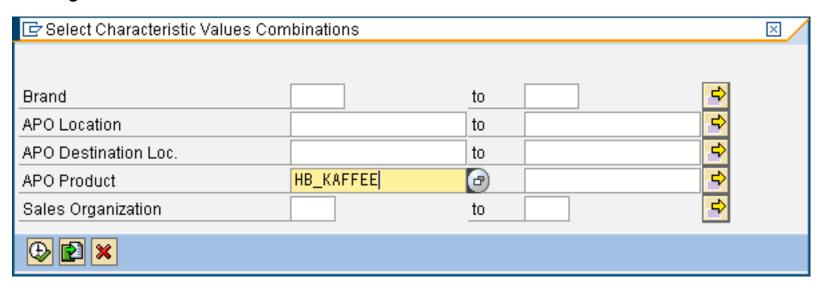


- In the settings you have set the flag "log database"
- Please optionally select user name, key-figure and planning version, planning area is mandatory
- Specify the period you want to evaluate by change date and time
- Specify one or more changed periods you want to evaluate
- Press button "Monitor changes"



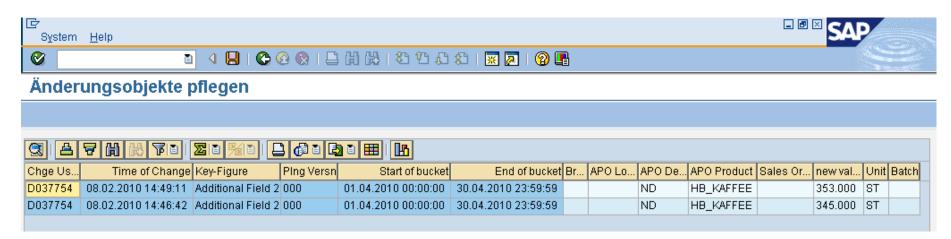


- Internally authorization object "ZSAPLOM\_CM" with activity "08" is checked
- In the next popup the planning area specific selection criteria's appear
- Please select the desired characteristics
- This popup shows dynamically the selection criteria's of any planning area, in this case 9ADP01. That is why the planning area is an obligatory field when clicking on button "Monitor changes"





- The newest change log entry is on top
- Column "new value" contains the saved quantity
- All the planning characteristic which were not selected during save are empty





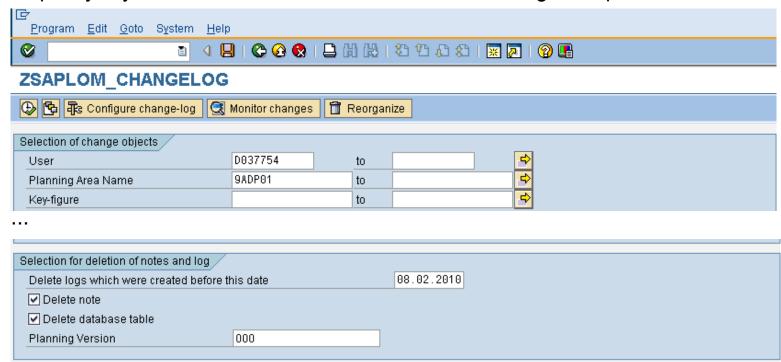


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## Reorganization



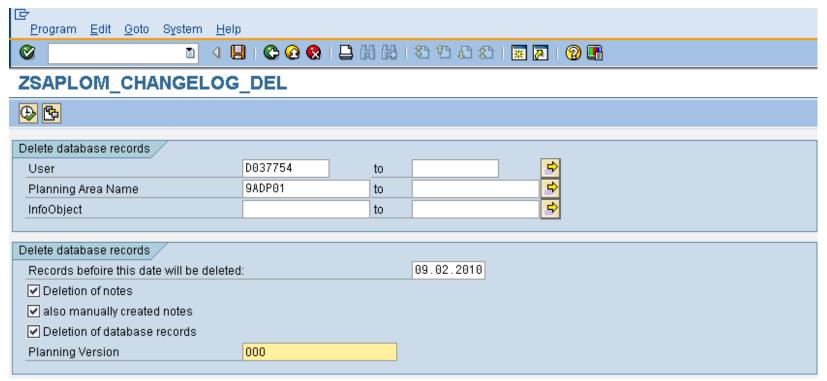
- You can delete the notes/log entries form the changelog cockpit
- Internally authorization object "ZSAPLOM\_CM" with activity "65" is checked
- Please optionally select your planning objects user and key-figure, planning area is mandatory
- Specify a date, all log entries created before this date time will be deleted
- Specify the planning version for the notes
- Specify, if you want to delete notes and/or database logs and press button "Reorganize"



## Reorganization

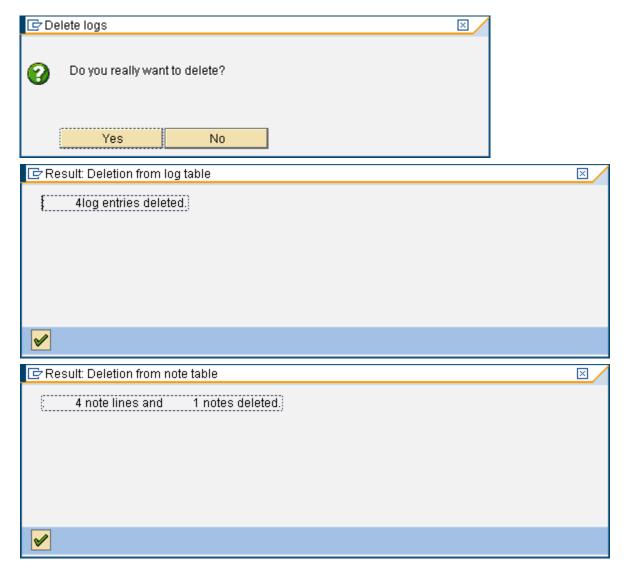


- For mass reorganization in batch please use program ZSAPLOM\_CHANGELOG\_DEL
- Please optionally select user, key-figure and planning version, planning area is mandatory
- Specify a date, all log entries created before this date time will be deleted
- Specify, if you want to delete notes and/or database logs and press button "Reorganize"
- Flag "also delete manually created notes" if you want to delete all notes. If you do not flag this, only notes created by the change log monitor will be deleted





Popup informs you about the number of entries deleted







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#### **Support**



- For support, please contact:
  - Rene.stitz@sap.com
  - Claudia.teuber@sap.com
- Technical objects:
  - ZSAPLOM\_CM\_ACTIV: table to activate logging
  - ZSAPLOM\_CM\_LOG: table where database log is stored
  - ZSAPLOM\_CHANGELOG: Badi implementation
  - ZSAPLOM\_CHANGELOG: program for APO-Change-Log-Cockpit





## Thank you!

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