BW Techno - AppLoadStatus

Application Load Status Program Documentation

The objective of this program is to provide the BW administrators, as well as internal users, a collective of BW process chain statuses displayed in a common table for simpler reviewing.

The table consists mostly of major or critical process chains existing in the BW environment and currently are being monitored on a daily basis. The chains are monitored by BW administrators and status reports are usually generated daily to inform the BW team and users. While status reports are useful for the BW team to review and resolve issues, internal users are not concerned with these issues and do not access to BW data systems.

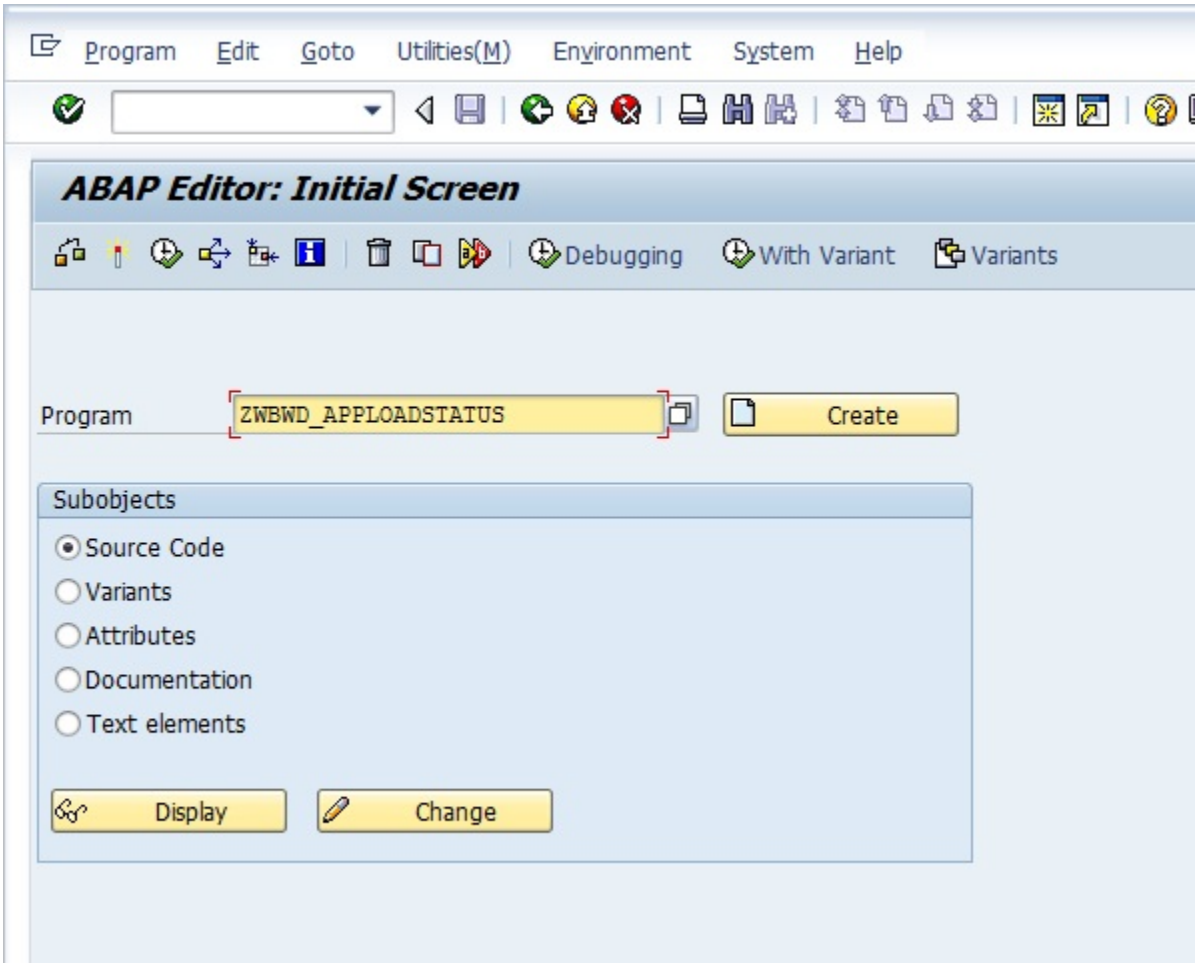
This program serves as a quick status update to users regarding the process chains' health and completion progress. At the same time, it is an update based on estimation and is by no means an accurate representation of the process chains' operations.

Program Details

```
toc scope="LOCAL"/
```

- **ABAP source**

To access or make changes to the ABAP source for this program, navigate to the ABAP Editor screen or transaction SE38. In the program field, input **ZWBWD_APPLOADSTATUS** and select * isplay*.



- **Program Variants**

On the initial screen, if you select **Variants** instead of * ource Code* and select * isplay*, you will see another screen. This will show you the available program variants that have been created accordingly for the relevant process chains being monitored.

!Attachment Library^SE38ProgVariants.jpg|cleanup="null" kids="null" pendingsrc="null" !

To see all available variants, click on the list button beside the **Variant** field. You will see a popup dialog list containing all the variants.

For each relevant process chain, there are 4 program variants created. Where **xxxx** stands for the relevant process chain:

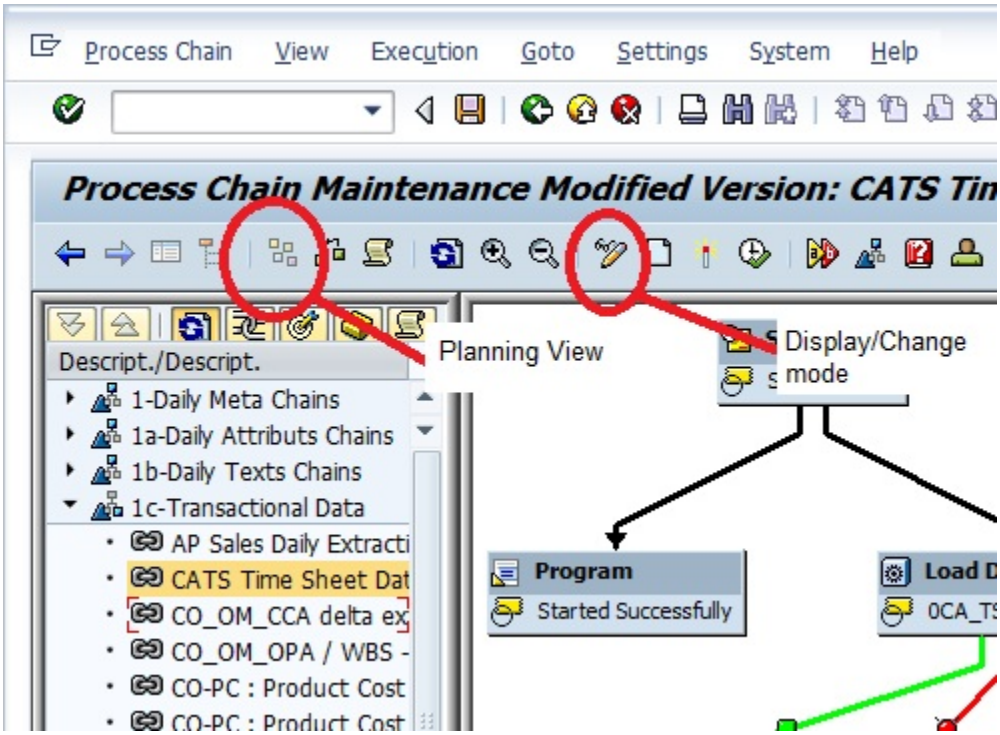
V_xxxx_E00* - The process chain has started successfully but encountered errors.
V_xxxx_E25* - The process chain at this point of time has completed/progressed at least 25% overall but encountered errors.
V_xxxx_S00* - The process chain has started successfully.
V_xxxx_S25* - The process at this point of time has completed/progressed at least 25% overall.

!Attachment Library^SE38ProgVariants2.jpg|cleanup="null" kids="null" pendingsrc="null" !

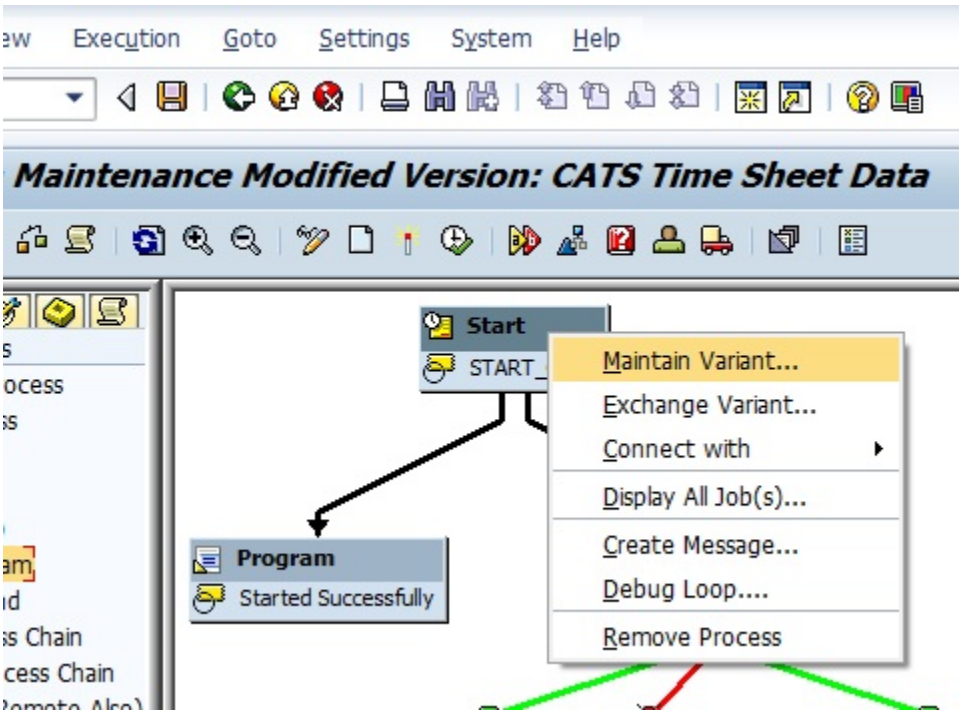
- **Variant Placement**

To add a variant into a process chain, there are several things to take note before proceeding.

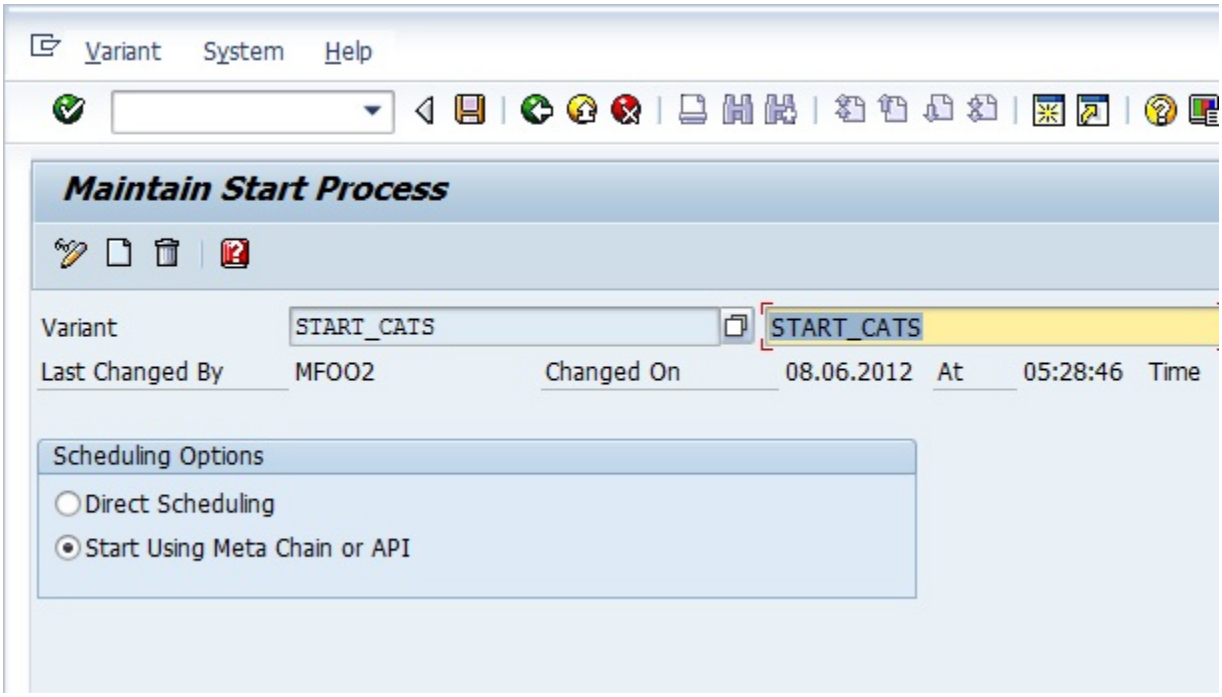
In the RSPC monitor screen, when a process chain has been selected to view, check that the chain is in planning view and change mode has been selected (in change mode, the background in the chain window is white instead of gray).



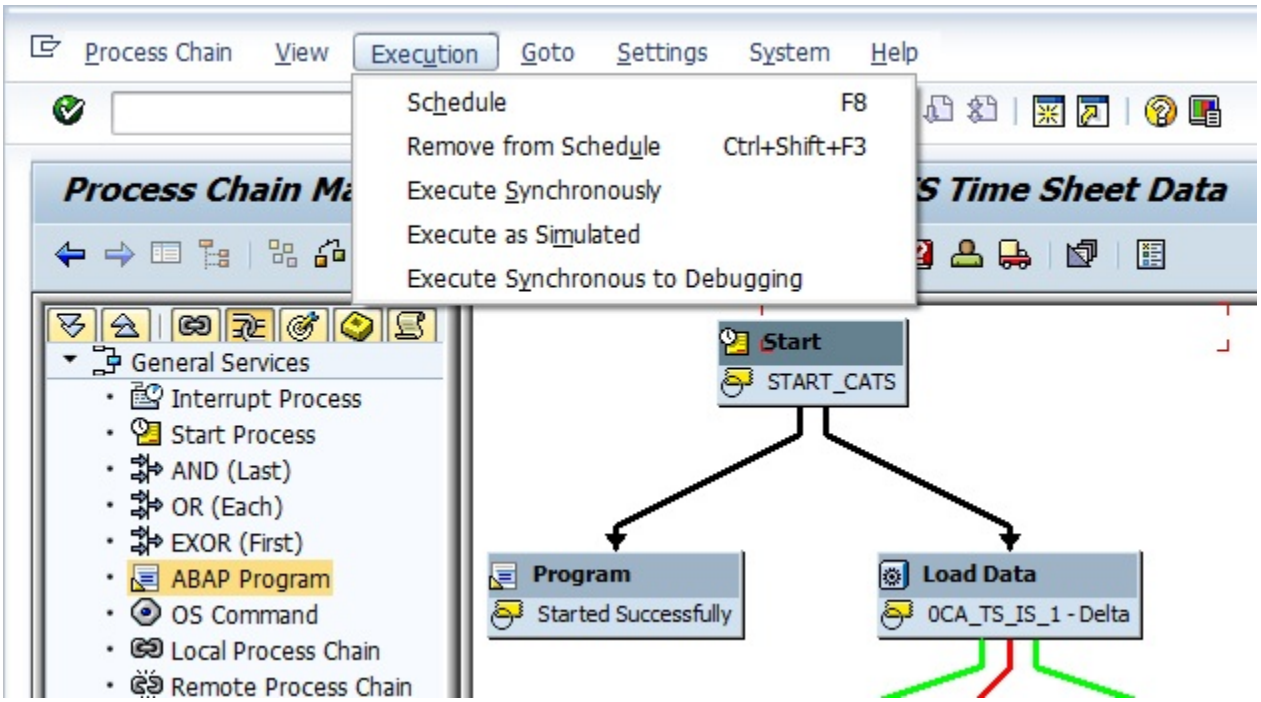
Right-click on the topmost subchain (usually indicated as **Start** , and select **Maintain Variant**



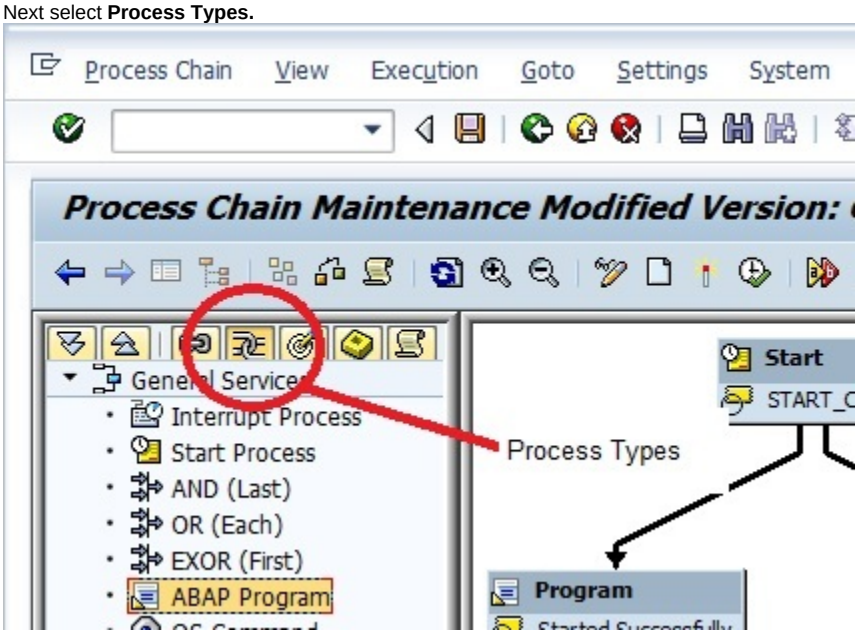
On the next screen, take note of the scheduling options selected. You will need to make sure that the schedule option is the same when you reschedule the process chain after you finish adding the variants. Once you have taken note, you may exit this screen for now.



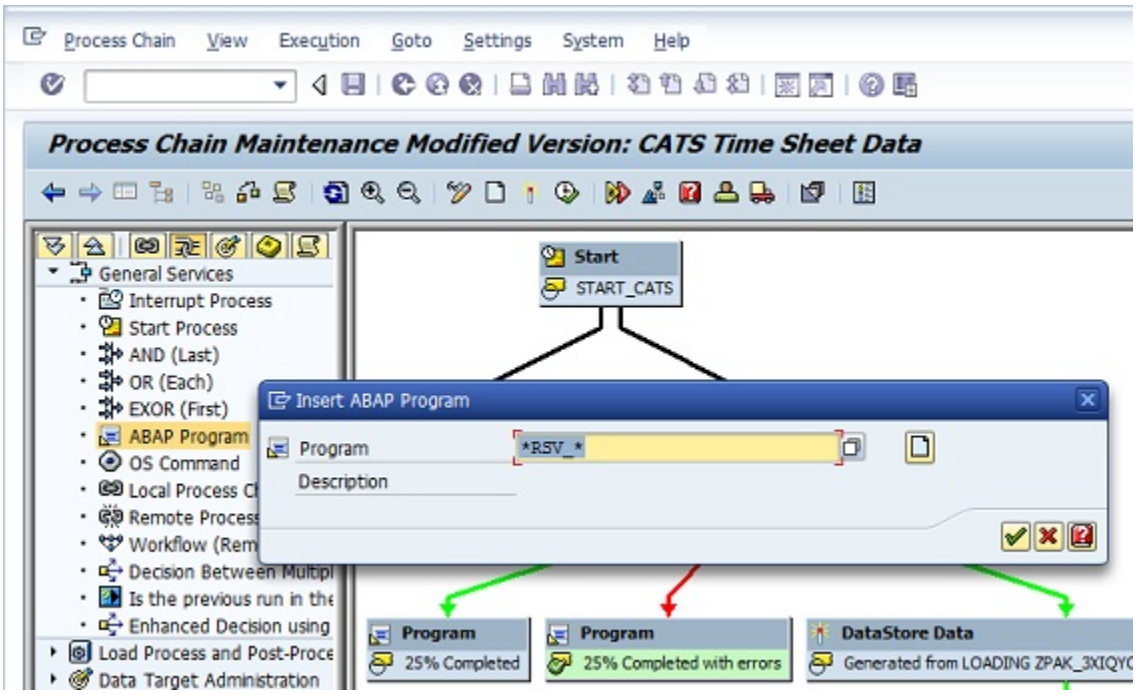
Back on the prvious screen, with the Start subchain still selected, go to the menu bar at the top of the screen and select **Execution** From the dropdown menu, select **Remove from Schedule IMPORTANT:** Before removing from schedule, please ensure that the process chain is not currently still running * R* is scheduled to run anytime soon at the time of editing. This is to prevent any conflicts in the operations of the process chains. Please wait until the process chain is completed before making any changes.



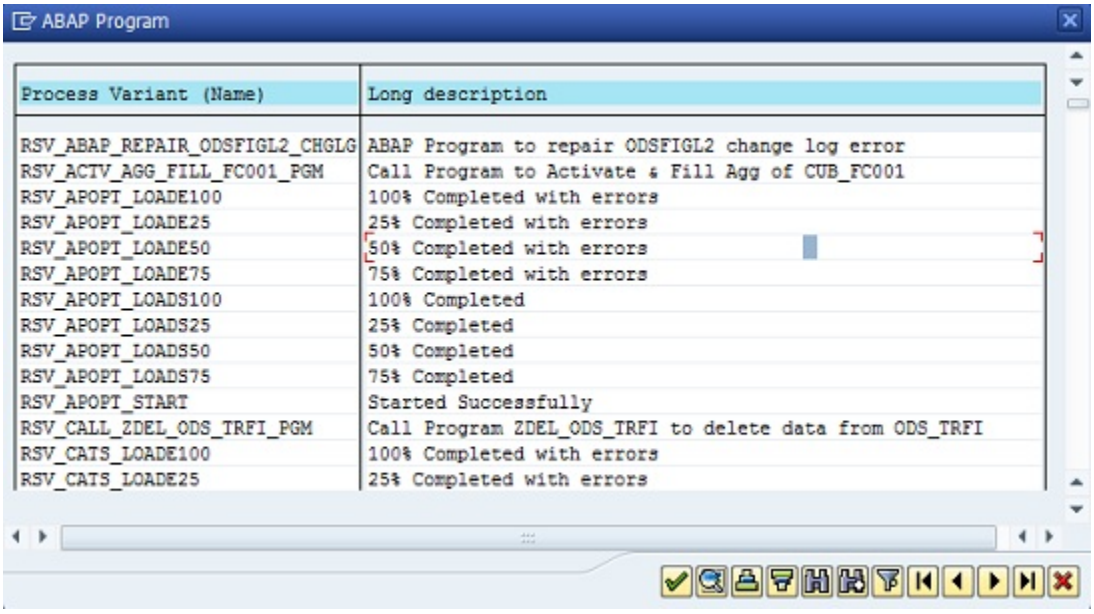
Next select **Process Types.**



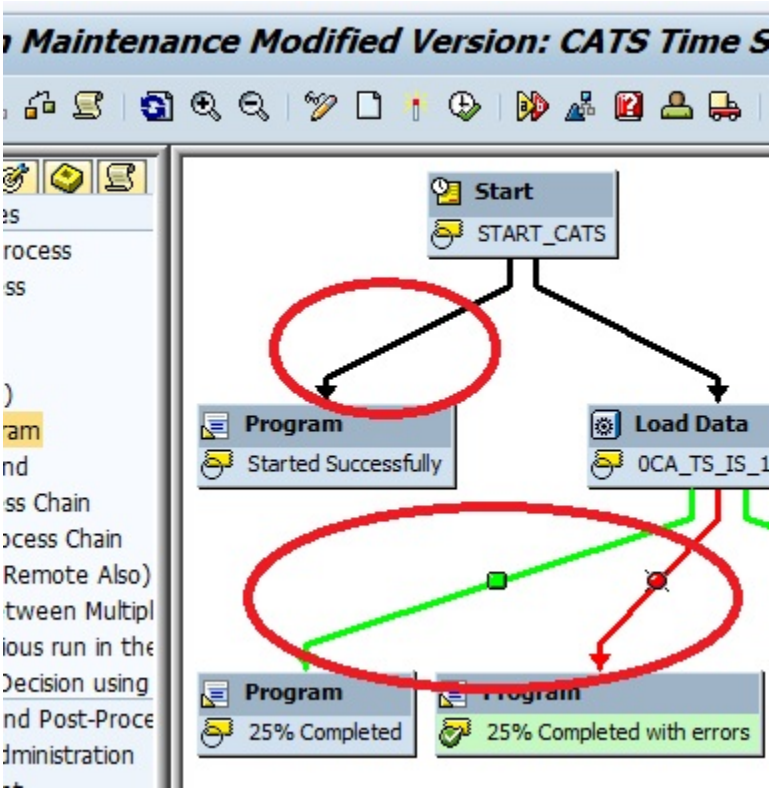
Next double-click on **ABAP Program** under * eneral Services*. You will see a popup dialog like in the screenshot below. In the * rogram* field, input RSV_ and click on the list button to the right of the field.



You will see another popup listing all the available variants. Depending on where you decide to place the variant, select a relevant variant to insert. You can only insert a variant one at time.

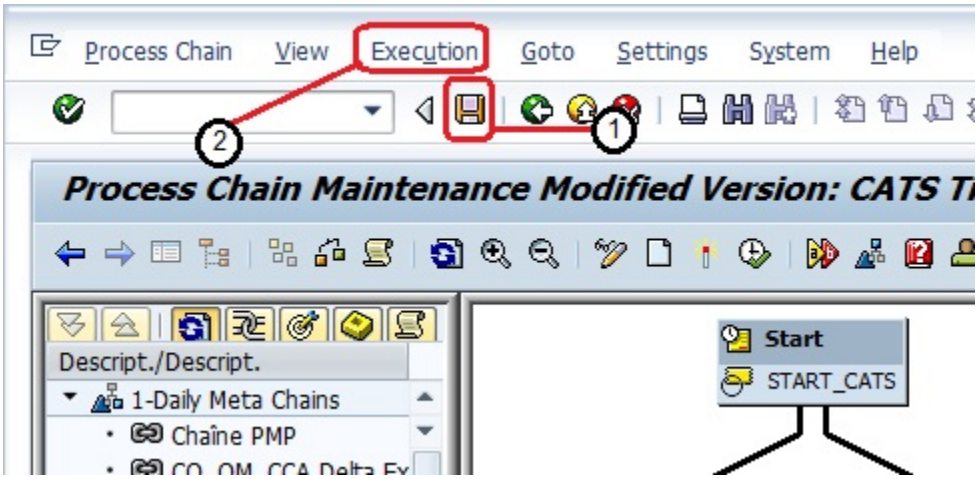


After inserting the variants, you need to link them to the correct subchains that are already present. Depending on the subchain that is supposed to be linked to the variant, there are different conditions for the variants to fulfill their role.

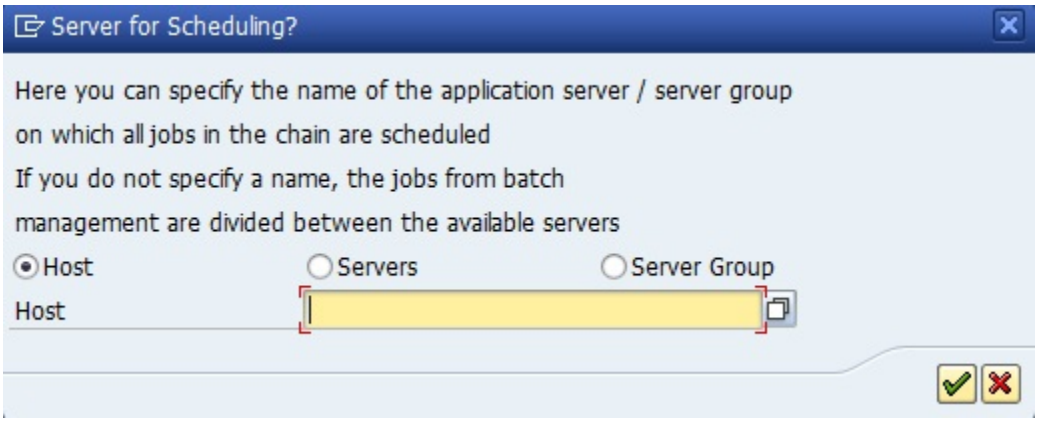


For example, the **Started Successfully** variant will be triggered regardless, therefore the link is black, indicating a direct link without status conditions. For the * 5% Completed* variant, the subchain that it is linked to has to be completed successfully in order for the variant to be triggered, therefore the link is represented in green. Vice versa, the * 5% Completed with errors* variant has a red link which will be triggered if the linked subchain encountered errors during its run.

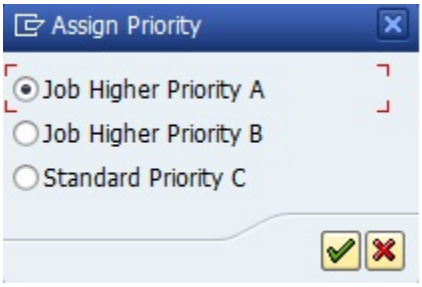
The next step is important. Firstly, (1) you will need to save the changes made. After which, (2) you need to reschedule the process chain to ensure that the variants are activated and that the process chain will be triggered on schedule. Click on **Execution** on the top menu bar and select * chedule*. Alternatively, you may simply press * 8*.



You will see a popup like the following screenshot. You may leave the **Host** field empty and click on the green tick button or press * nter*.



On the next popup, select a suitable priority(usually **Priority A** and click on the green tick button or press **Enter**



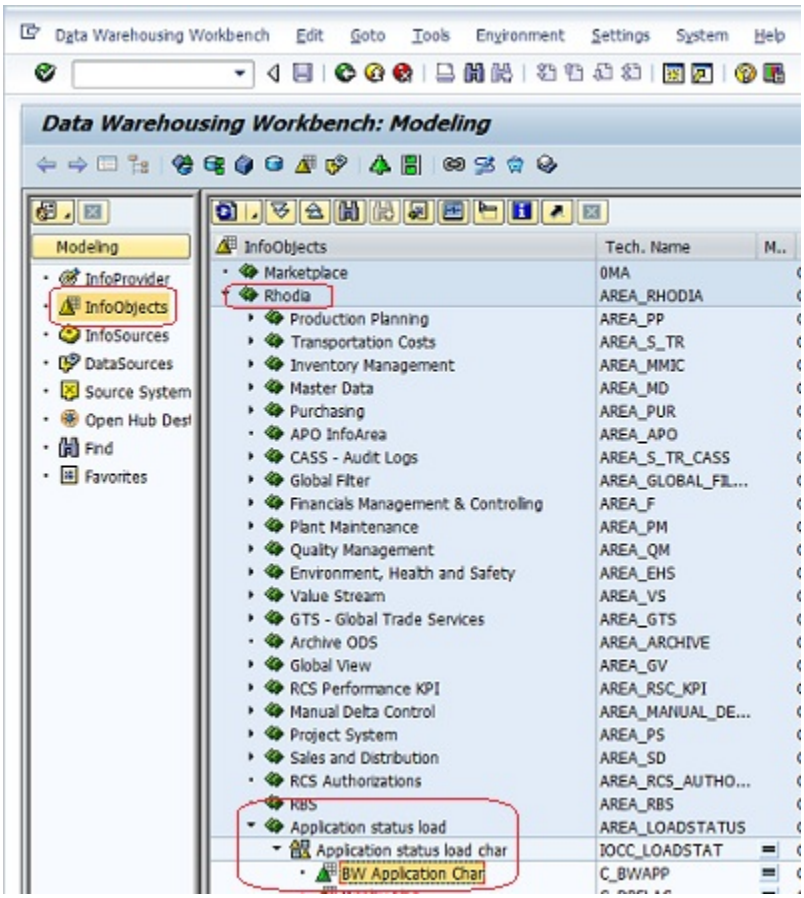
The process chain is now saved and scheduled. This concludes the placement of the variants within a relevant process chain.

- ## Program Variant Monitoring

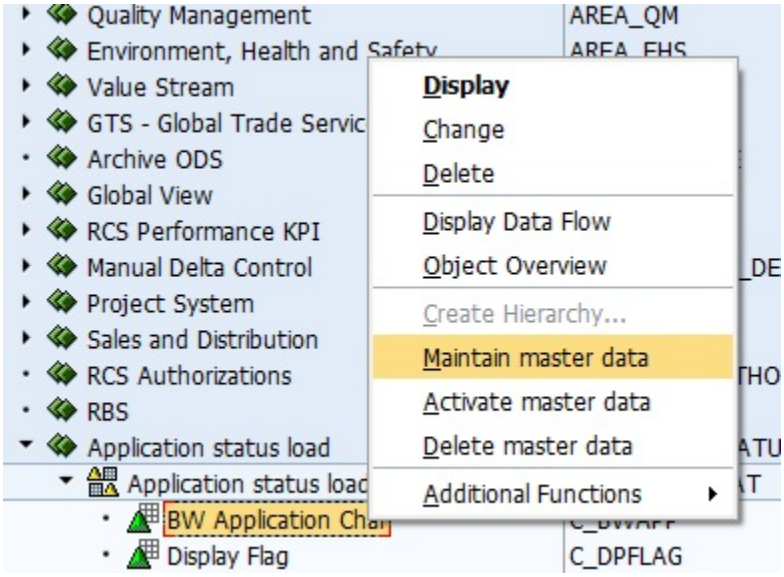
Assuming that the relevant program variants have been placed accordingly, the next step is to monitor the status data collected by these variants. There are 2 different levels for monitoring. One is for adminstrators who have access to the warehousing workbench RSA1. You will be able to directly access and edit the master data table used for this program. You will be able to make corrections promptly in case of incorrect reporting of data so that to ensure the accuracy of the status update to the users.

The other monitoring level is for users accessing the status update report using BEx Analyzer. This is done by opening a workbook which extracts data from the master data and display the information in table and graph formats.

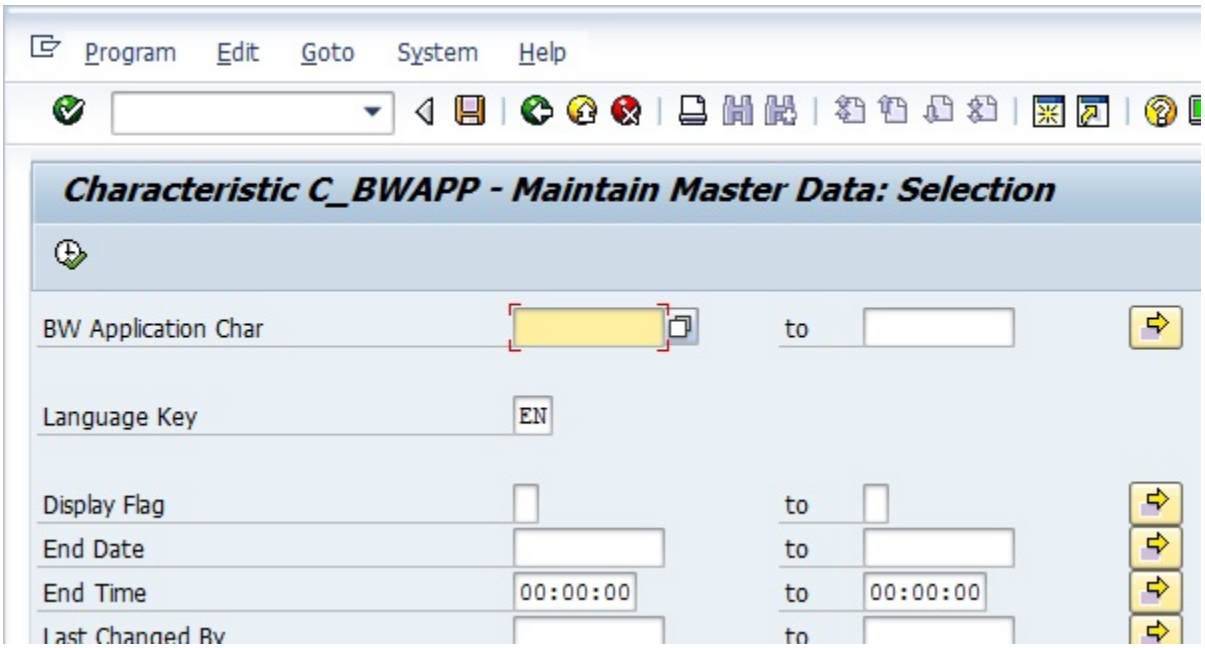
1. **Monitoring from RSA1**



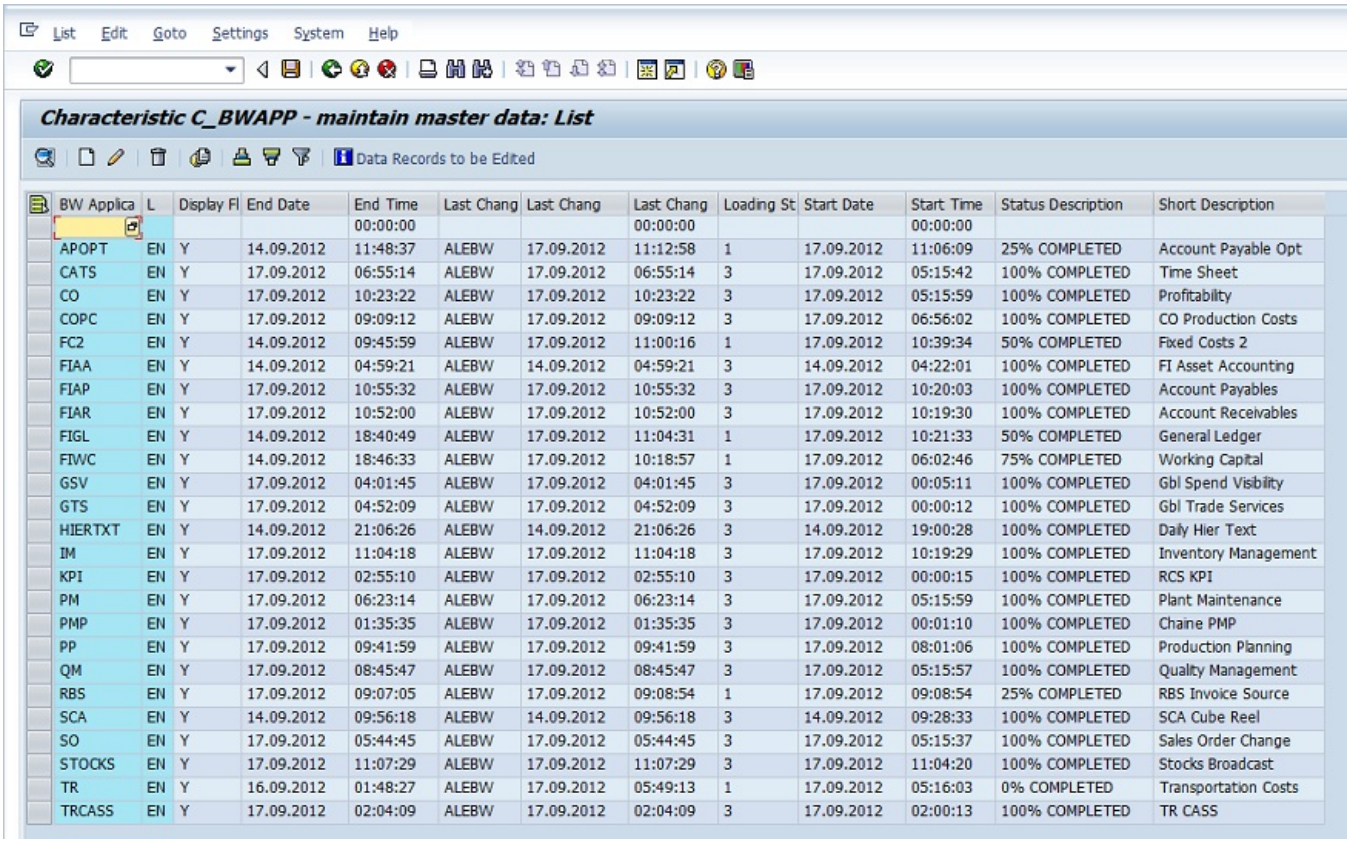
In RSA1, navigate to the master data table. The master data table can be found in **InfoObjects>>Rhodia>>Application status load>>Application load char>>BW Application Char** Tech name is C_BWAPP). Right click on the infoobject and select **Maintain master data**



On the following screen, you do not need to fill in any of the selection fields as you will want to see all data collected. Just click on the **Execute** button or press * 8*.

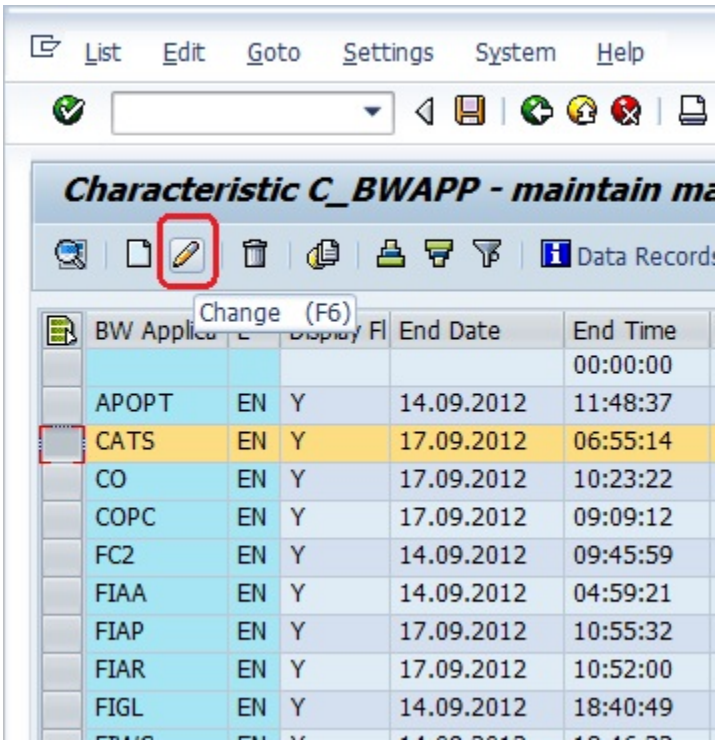


You will see the table once it's fully loaded. The table will display all the information collected from the program variants when they are triggered within the process chains. Here you can make amendments to the data directly. Take note that you must remember to save and activate the master data again in order for any changes to take effect.

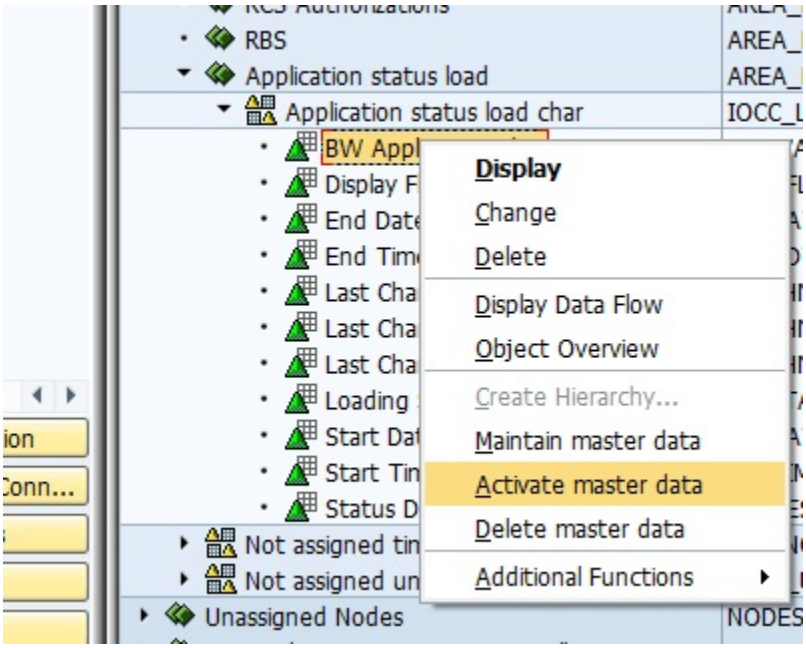


BW Applica	L	Display Fl	End Date	End Time	Last Chang	Last Chang	Last Chang	Loading St	Start Date	Start Time	Status Description	Short Description
				00:00:00			00:00:00			00:00:00		
APOPT	EN	Y	14.09.2012	11:48:37	ALEBW	17.09.2012	11:12:58	1	17.09.2012	11:06:09	25% COMPLETED	Account Payable Opt
CATS	EN	Y	17.09.2012	06:55:14	ALEBW	17.09.2012	06:55:14	3	17.09.2012	05:15:42	100% COMPLETED	Time Sheet
CO	EN	Y	17.09.2012	10:23:22	ALEBW	17.09.2012	10:23:22	3	17.09.2012	05:15:59	100% COMPLETED	Profitability
COPC	EN	Y	17.09.2012	09:09:12	ALEBW	17.09.2012	09:09:12	3	17.09.2012	06:56:02	100% COMPLETED	CO Production Costs
FC2	EN	Y	14.09.2012	09:45:59	ALEBW	17.09.2012	11:00:16	1	17.09.2012	10:39:34	50% COMPLETED	Fixed Costs 2
FIAA	EN	Y	14.09.2012	04:59:21	ALEBW	14.09.2012	04:59:21	3	14.09.2012	04:22:01	100% COMPLETED	FI Asset Accounting
FIAP	EN	Y	17.09.2012	10:55:32	ALEBW	17.09.2012	10:55:32	3	17.09.2012	10:20:03	100% COMPLETED	Account Payables
FIAR	EN	Y	17.09.2012	10:52:00	ALEBW	17.09.2012	10:52:00	3	17.09.2012	10:19:30	100% COMPLETED	Account Receivables
FIGL	EN	Y	14.09.2012	18:40:49	ALEBW	17.09.2012	11:04:31	1	17.09.2012	10:21:33	50% COMPLETED	General Ledger
FIWC	EN	Y	14.09.2012	18:46:33	ALEBW	17.09.2012	10:18:57	1	17.09.2012	06:02:46	75% COMPLETED	Working Capital
GSV	EN	Y	17.09.2012	04:01:45	ALEBW	17.09.2012	04:01:45	3	17.09.2012	00:05:11	100% COMPLETED	Gbl Spend Visibility
GTS	EN	Y	17.09.2012	04:52:09	ALEBW	17.09.2012	04:52:09	3	17.09.2012	00:00:12	100% COMPLETED	Gbl Trade Services
HIERTXT	EN	Y	14.09.2012	21:06:26	ALEBW	14.09.2012	21:06:26	3	14.09.2012	19:00:28	100% COMPLETED	Daily Hier Text
IM	EN	Y	17.09.2012	11:04:18	ALEBW	17.09.2012	11:04:18	3	17.09.2012	10:19:29	100% COMPLETED	Inventory Management
KPI	EN	Y	17.09.2012	02:55:10	ALEBW	17.09.2012	02:55:10	3	17.09.2012	00:00:15	100% COMPLETED	RCS KPI
PM	EN	Y	17.09.2012	06:23:14	ALEBW	17.09.2012	06:23:14	3	17.09.2012	05:15:59	100% COMPLETED	Plant Maintenance
PMP	EN	Y	17.09.2012	01:35:35	ALEBW	17.09.2012	01:35:35	3	17.09.2012	00:01:10	100% COMPLETED	Chaine PMP
PP	EN	Y	17.09.2012	09:41:59	ALEBW	17.09.2012	09:41:59	3	17.09.2012	08:01:06	100% COMPLETED	Production Planning
QM	EN	Y	17.09.2012	08:45:47	ALEBW	17.09.2012	08:45:47	3	17.09.2012	05:15:57	100% COMPLETED	Quality Management
RBS	EN	Y	17.09.2012	09:07:05	ALEBW	17.09.2012	09:08:54	1	17.09.2012	09:08:54	25% COMPLETED	RBS Invoice Source
SCA	EN	Y	14.09.2012	09:56:18	ALEBW	14.09.2012	09:56:18	3	14.09.2012	09:28:33	100% COMPLETED	SCA Cube Reel
SO	EN	Y	17.09.2012	05:44:45	ALEBW	17.09.2012	05:44:45	3	17.09.2012	05:15:37	100% COMPLETED	Sales Order Change
STOCKS	EN	Y	17.09.2012	11:07:29	ALEBW	17.09.2012	11:07:29	3	17.09.2012	11:04:20	100% COMPLETED	Stocks Broadcast
TR	EN	Y	16.09.2012	01:48:27	ALEBW	17.09.2012	05:49:13	1	17.09.2012	05:16:03	0% COMPLETED	Transportation Costs
TRCASS	EN	Y	17.09.2012	02:04:09	ALEBW	17.09.2012	02:04:09	3	17.09.2012	02:00:13	100% COMPLETED	TR CASS

To edit any of the records, highlight the record and click on the pencil button on the toolbar or press **F6** To save, click on the Save button near the top menu bar or press **Ctrl+S**

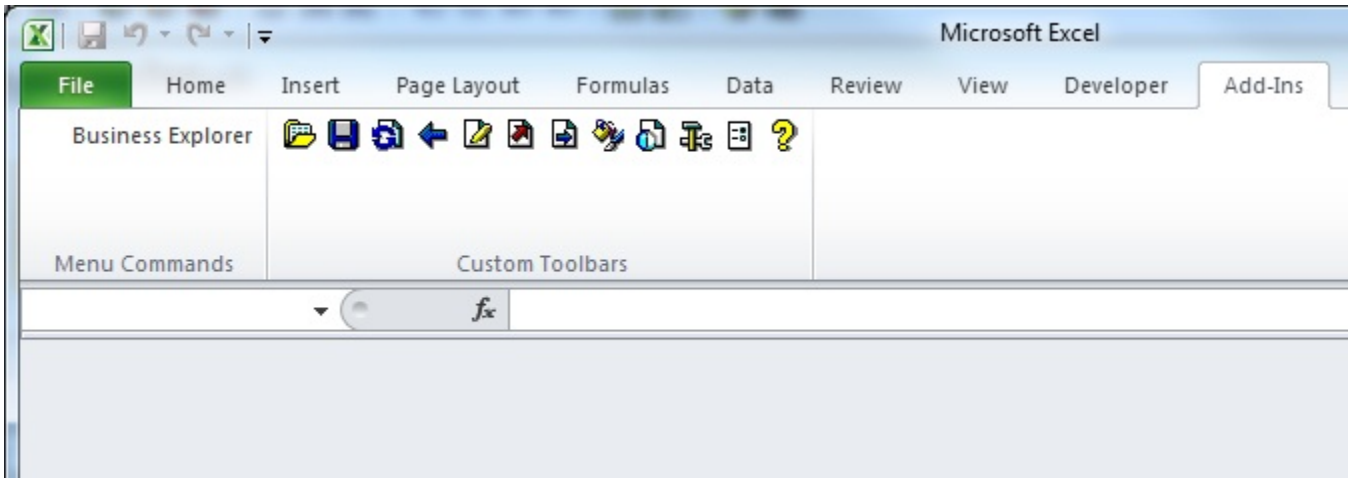


After saving, you need to activate the master data. To do this, go back to the RSA1 main screen and right-click on the infoobject again. This time, select **Activate master data** Upon successful activation, you will see a short notification message at the bottom statusbar. In some cases, you may receive a popup indicating that the master data is already active. This means that your amendments do not require reactivation but it is always recommended to perform this step to complete your changes.

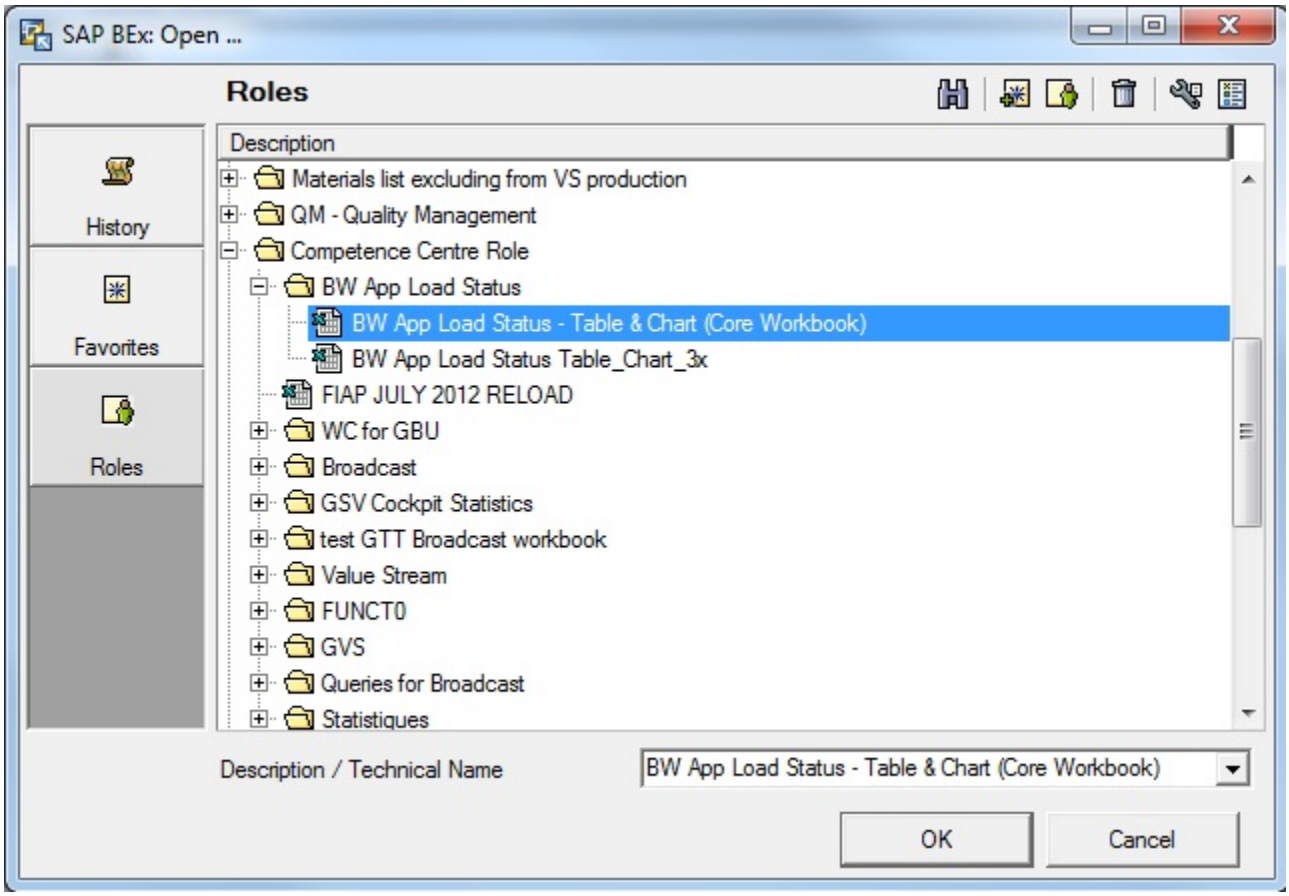


- **Monitoring from BEx Analyzer 3.x**

For users who want to know the latest status update of the process chains, a workbook has been created for this purpose. The workbook will display the same results as viewing from RSA1. Users will be able to filter the query results according to BW roles or simpy view all status updates.



In **BEx Analyzer 3.x** navigate to **Add-Ins** and click on the * pen* button. Select * orkbooks* and you will be prompted to log in. Enter your password and the file open dialog will appear.



Choose the **Roles** tab. Navigate to * ompetence Centre Role* folder. Under the subfolder * W App Load Status*, select * W App Load Status - Table & Chart (Core Workbook)* and click * K*. In this workbook, there are 2 sheets, namely * able* and * hart*. If users wish to see a graphical representation of the table, select the * hart* sheet.

Take note that even though the workbook is created in **BEx 3.x** it should also be able to open in the newer **BEx 7.x** Both sheets have been protected to prevent users from making or saving changes to the original workbook. For administrators who need to edit the workbook eg. changing query, the password to unlock both sheets is **bwappload**

BW App Load Status - Table & Chart (Core Workbook) (xSAPtemp8563.xls) - Microsoft Excel

File | Home | Insert | Page Layout | Formulas | Data | Review | View | Developer | Add-Ins | Interactive guide

Business Explorer

Menu Commands | Custom Toolbars

A43 '#

	A	B	C	D	E	F	G	H
21								
22	BW Application Char	Start Date	Start Time	End Date	End Time	Last Changed Date	Last Changed Time	Completion %
23	CATS	23/08/2012	01:19:04	23/08/2012	01:51:37	23/08/2012	01:51:37	100
24	CO	23/08/2012	01:19:17	22/08/2012	05:50:37	23/08/2012	05:20:27	100
25	COPC	23/08/2012	01:52:13	23/08/2012	04:58:15	23/08/2012	04:58:15	100
26	FC2	22/08/2012	05:50:56	22/08/2012	07:34:41	22/08/2012	07:34:41	50
27	FIAA	23/08/2012	01:33:52	23/08/2012	02:05:55	23/08/2012	02:05:55	100
28	FIAP	22/08/2012	18:18:19	22/08/2012	18:41:08	22/08/2012	18:41:08	100
29	FIAR	22/08/2012	18:17:50	22/08/2012	18:39:55	22/08/2012	18:39:55	100
30	FIGL	22/08/2012	18:19:42	22/08/2012	18:40:03	22/08/2012	18:40:03	100
31	FIWC	22/08/2012	18:00:29	22/08/2012	18:48:09	22/08/2012	18:48:09	100
32	GSV	23/08/2012	00:05:02	23/08/2012	04:02:58	23/08/2012	04:02:58	100
33	GTS	23/08/2012	00:00:05	23/08/2012	05:20:08	23/08/2012	05:20:08	100
34	IM	22/08/2012	18:17:45	22/08/2012	18:48:03	22/08/2012	18:48:03	100
35	KPI	23/08/2012	00:00:09	23/08/2012	00:26:26	23/08/2012	00:26:26	100
36	PM	23/08/2012	01:19:18	23/08/2012	02:01:15	23/08/2012	02:01:15	100
37	PP	22/08/2012	08:01:12	22/08/2012	09:14:16	22/08/2012	09:14:16	100
38	QM	23/08/2012	01:19:16	23/08/2012	04:38:22	23/08/2012	04:38:22	100
39	RBS	22/08/2012	09:03:02	22/08/2012	09:21:38	22/08/2012	09:21:38	100
40	SO	23/08/2012	01:19:03	23/08/2012	01:27:12	23/08/2012	01:27:12	100
41	TR	23/08/2012	01:19:17	23/08/2012	02:22:28	23/08/2012	02:22:28	100
42	TRCASS	23/08/2012	02:00:06	23/08/2012	02:03:01	23/08/2012	02:03:01	100
43	#	#	#	#	#	#	#	0

Custom Toolbars

SAPBEXchart1

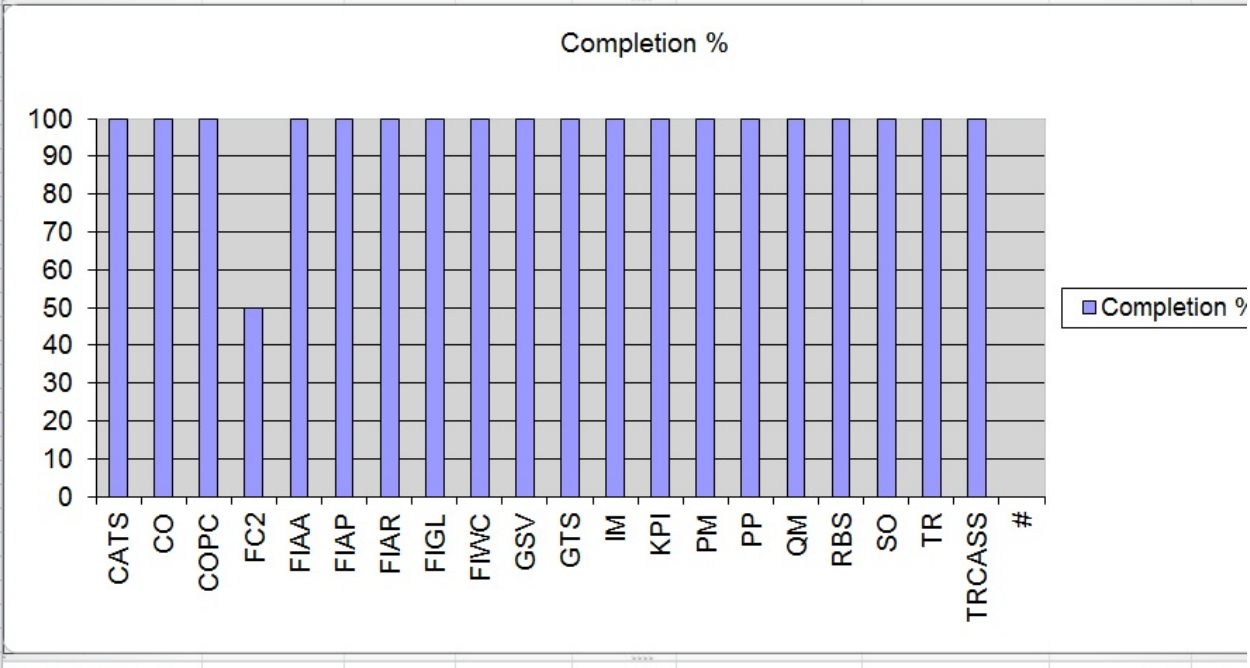


Table | Chart

Ready | Calculate | 100%