

How to stop/start all the schedule jobs

When we want to stop all the loading schedule jobs for system refresh, system upgrade, system migration in production. It is better to stop all the jobs before lock users and down the system to avoid the jobs fail or there is pending loading and loading table is not update correctly.

There are the standard program to do it.

1. Before run the program, there will be the Release jobs and active jobs

Job Overview

RefreshReleaseSpoolJob logStepJob detailsApplication servers

Job overview from: 24.08.2021 at: : :
to: 24.08.2021 at: : :
Selected job names: *
Selected user names: *

☒ Scheduled☒ Released☒ Ready☒ Active☐ Finished☒ Canceled

☐ Event-Driven Event ID:
☐ ABAP program Program name :

JobName	Spool	Job doc	Job CreatedB	Status	Start date	Start Time	Duration(sec.)	Delay (sec.)
☐ BI_PROCESS_DTP_LOAD			TH30085	Active	24.08.2021	06:41:48	0	0
☐ BI_PROCESS_LOADING			TH30085	Active	24.08.2021	06:41:45	3	0
☐ BIDTPR_10118497_1			ALEBW	Active	24.08.2021	06:41:41	7	0
☐ BI_PROCESS_ABAP			ALEBW	Canceled	24.08.2021	00:30:13	0	0
☐ /SDF/MON_WATCHDOG			GTHEVENE	Released			0	0
☐ /UIS/APP_INDEX_CALCULATE			ADMSAP	Released			0	0
☐ BI_INTERRUPT_WAIT			INGK1046	Scheduled			0	0
☐ BI_INTERRUPT_WAIT			INGK1046	Scheduled			0	0
☐ BI_INTERRUPT_WAIT			INGK1046	Scheduled			0	0
☐ BI_INTERRUPT_WAIT			INGK1046	Scheduled			0	0

2. Run program **BTCTRNS1**, there is no input parameter, after execute all the release jobs will be suspended but the active jobs will be continue until it completed

ABAP Editor: Initial Screen

DebuggingWith VariantVariants

ProgramBTCTRNS1Create

Subobjects

Source Code

Variants

Attributes

Documentation

Text elements

DisplayChange

Job Overview									
Refresh Release Stop Spool Job log Step Job details Application servers									
Job overview from: 24.08.2021 at: : : to: 24.08.2021 at: : : Selected job names: * Selected user names: *									
☒ Scheduled ☒ Released ☒ Ready ☒ Active ☐ Finished ☒ Canceled									
☐ Event-Driven Event ID: ☐ ABAP program Program name :									
JobName	Spool	Job doc	Job CreatedB	Status	Start date	Start Time	Duration(sec.)	Delay (sec.)	
☐ BIDTPR_10118500_1			ALEBW	Active	24.08.2021	06:41:52	38	0	
☒ BI_PROCESS_ABAP			ALEBW	Canceled	24.08.2021	00:30:13	0	0	
☐ /SDF/MON_WATCHDOG			GTHEVENE	Released/Susp.			0	0	
☐ /UIS/APP_INDEX_CALCULATE			ADMSAP	Released/Susp.			0	0	
☐ BI_INTERRUPT_WAIT			INGK1046	Scheduled			0	0	
☐ BI_INTERRUPT_WAIT			INGK1046	Scheduled			0	0	
☐ BI_INTERRUPT_WAIT			INGK1046	Scheduled			0	0	

However, for the PC loading, after the active loading is completed, the next loading will be suspended as well

The screenshot displays two SAP interfaces. The top interface is the 'Job Overview' table, which shows the status of various jobs. The job 'BI_PROCESS_LOADING' is highlighted in blue and has a status of 'Released/Susp.'. The bottom interface is the 'Process Chain Runtime Analysis' for the process chain 'CO DAILY MASTER DATA TEXT'. It shows the process chain steps and their runtime details. The status of the process chain is 'Released/Susp.'.

JobName	Spool	Job doc	Job CreatedB	Status	Start date	Start Time	Duration(sec.)	Delay (sec.)
BI_PROCESS_DTP_LOAD		TH30085	TH30085	Released/Susp.			0	0
BI_PROCESS_LOADING		TH30085	TH30085	Released/Susp.			0	0
*Summary							0	0

Status	Steps	Main	Chain	Log-Id	SubChains	Steps	Day	Date	Time	Runtime	Runtime [sec]	End Date
Released/Susp.	00		CO DAILY MASTER DATA TEXT	E3C79DX9VME3CB594WWVKSR4M	0	32	TU	24.08.2021	06:38:15	00:09:03	543	24.08.2021

The process will not error but if we see the status it will display there is no job. The process will not continue

💡 We should remark on the ST13 what PC is not yet complete in order to double check when system is up again

Process Chain Runtime Analysis												
Selection Compare Runtimes												
Status Steps Main Chain Log-Id SubChains Steps Day Date Time Runtime Runtime [sec] End Date												
Released/Susp.	00		CO DAILY MASTER DATA TEXT	E3C79DX9VME3CB594WWVKSR4M	0	32	TU	24.08.2021	06:38:15	00:09:03	543	24.08.2021

3. After system is up and test complete, we can run **program BTCTRS2** to resume the jobs. There is also no input parameter

Transport: Release jobs with status "Descheduled due to upgrade"

Transport: Release jobs with status "Descheduled due to upgrade"

Jobs suspended due to upgrade were rescheduled

All the jobs will continue and provide the detail of delay in second

Job Overview

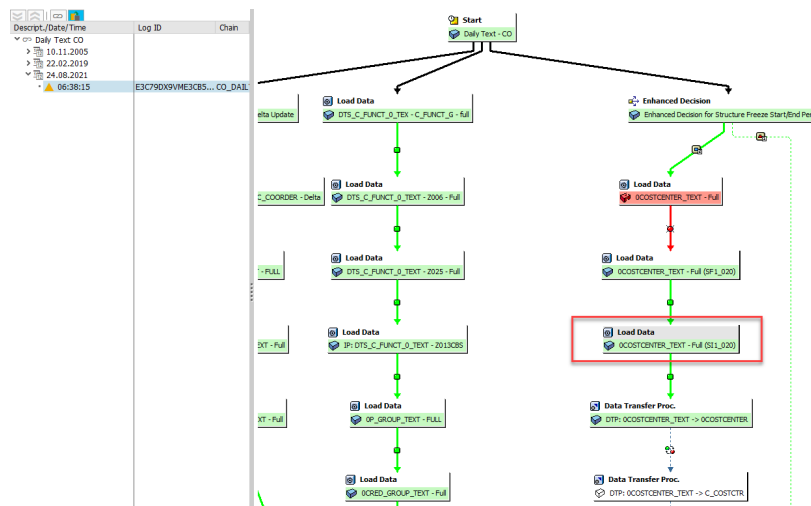
Refresh Release Spool Job log Step Job details Application servers

Job overview from: 24.08.2021 at: : :
to: 24.08.2021 at: : :
Selected job names: *
Selected user names: *

☒ Scheduled ☒ Released ☒ Ready ☒ Active ☐ Finished ☒ Canceled
☐ Event-Driven Event ID: :
☐ ABAP program Program name: :

JobName	Spool	Job doc	Job CreatedBy	Status	Start date	Start Time	Duration(sec.)	Delay (sec.)
☐ FCC_MGMT_BACKGROUND_JOB/400			WF-BATCH	Released			0	992
☐ FCC_RJ_BACKGROUND_JOB/400			WF-BATCH	Released			0	1.224
☐ FCC_STD_BACKGROUND_JOB/400			WF-BATCH	Released			0	1.289
☐ SWCOND			WF-BATCH	Released			0	834
☐ SWDHEX			WF-BATCH	Released			0	1.199
☐ SWWERE			WF-BATCH	Released			0	837
☐ SWWMIM			WF-BATCH	Released			0	1.093
☐ SWWMIM			WF-BATCH	Released			0	1.078
☐ SWWMIM			WF-BATCH	Released			0	1.037
☒ BI_PROCESS_DTP_LOAD			TH30085	Released			0	1.236
☒ BI_PROCESS_LOADING			TH30085	Released			0	987
☐ RARFAC11651FW			SCHNWA	Scheduled			0	0
☐ BI_PROCESS_TRIGGER			FT99376211	Scheduled			0	0
☐ BI_PROCESS_TRIGGER			FT99376211	Scheduled			0	0
☐ BI_PROCESS_TRIGGER			NSPR1113	Scheduled			0	0

PC will be continue



After run the program to suspend, we still can run the schedule job manually, it is no blocking. The program will suspend only the current release job when program is executed.

The repeated schedule will be skipped during suspended time and will execute next one according to the schedule time after jobs release again.