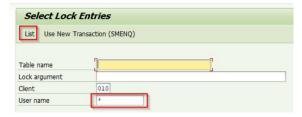
SAP Morning checks

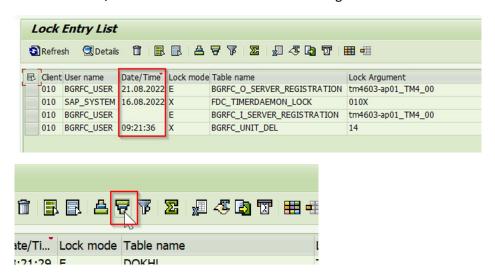
Summary

SM12 – Lock entries list	2
SM13 – Update requests	2
SM21 – System Logs	3
SM37 – Background Jobs	4
SM51 - List of active instances	7
ST03N – System Load	8
ST22 – Runtime Errors	9
DB02 – Database overview	10

SM12 – Lock entries list



Select the Date/Time coloumn and "Sort in Descending order"



If there are locks older than 4-5 days, check if there is an associated work process in SM66.

SM13 – Update requests

Check that the update is active





Check the update records status: if refreshing they are not processed, you need to understand the cause.

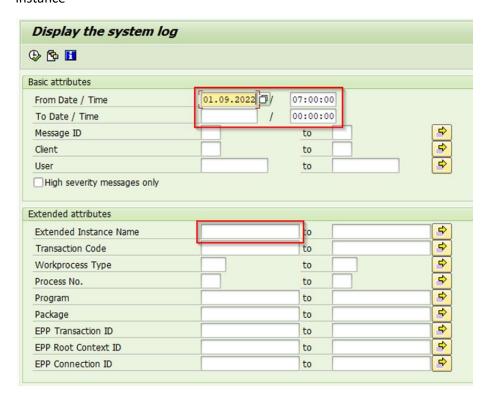
2654340 - Updates requests pending on transaction SM13 - Guided Answers:

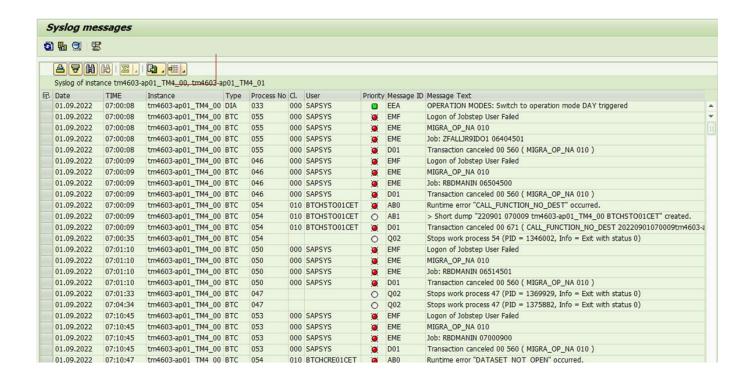
https://launchpad.support.sap.com/#/notes/2654340

SM21 – System Logs

Select the range of date/time you want to display

For displaying the SAP instances log, remove the instance name, otherwise, put the name of the single instance

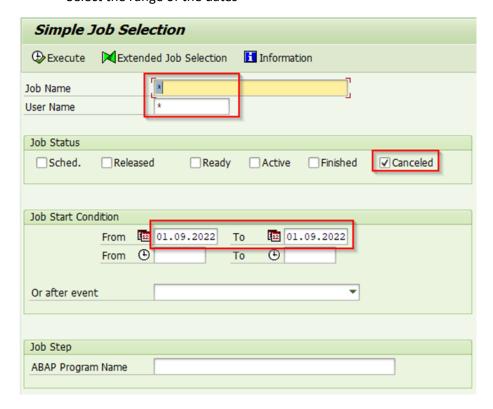




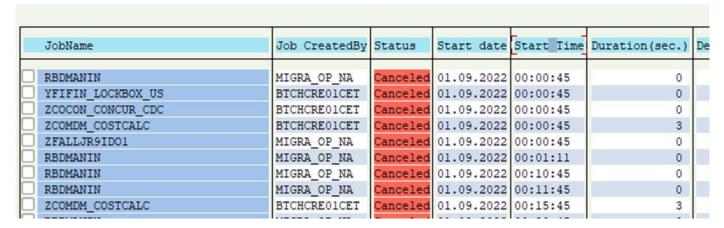
SM37 – Background Jobs

Verify which jobs are in canceled status:

- Select all the jobs and users
- Flag only the canceled jobs
- Select the range of the dates



In order to display the job log, double click on the job name



Click on "Job log" button



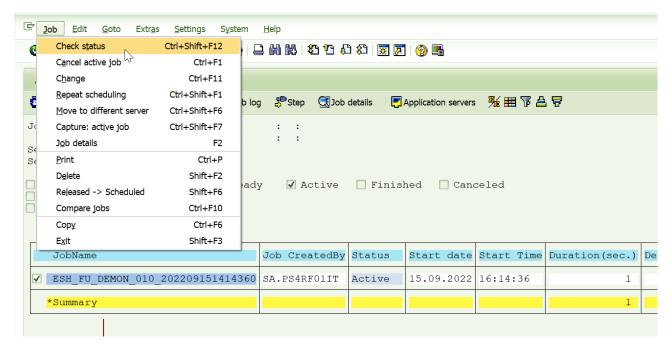
The system will show you the cause of the error.

You also have to check if there are long running jobs:

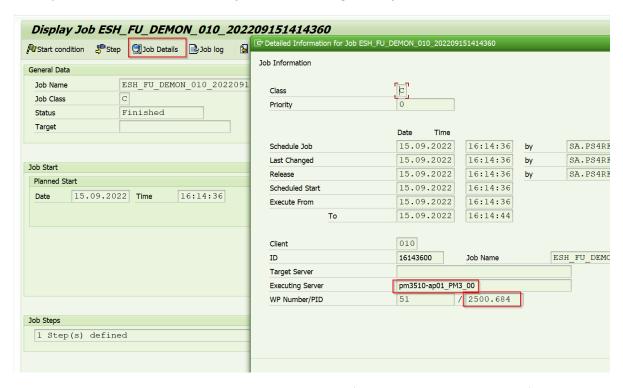
- Select all the jobs and users
- Flag only active jobs
- Remove the dates



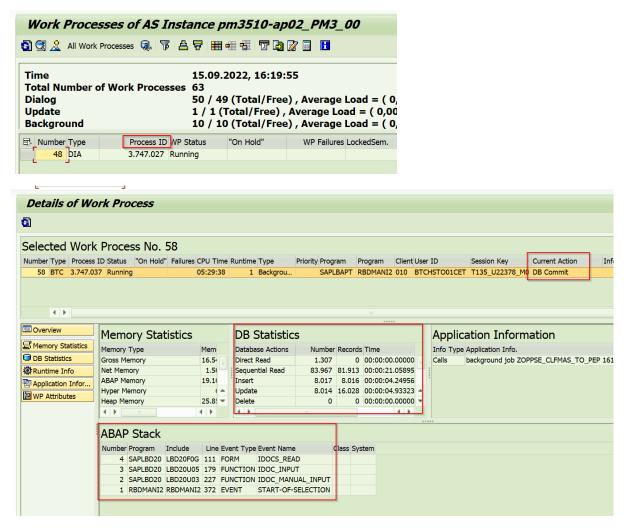
If there are long running jobs, you can execute Job -> Check status



Then, you can retrieve the PID of the job double clicking on the job name -> Job Details

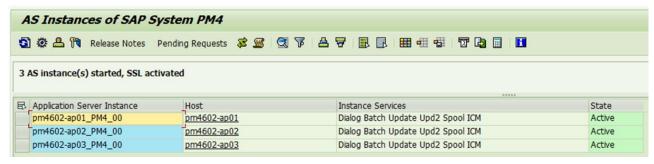


Log on the Application server in which the job is running (SM51, double click on the AS), double click on the corresponding PID



Verify that the Current Action/DB Statistics/ABAP Stack are working. If not, the job is probably stuck.

SM51 - List of active instances



Check that all the server instances are active.

Definition

An application server instance can have the following states:

Initial:

The application server instance has logged on to the message server. When the instance is in this state, it cannot be accessed.

Started:

The application server instance starts the work process and initializes all required services. Requests cannot be processed in this phase.

Active:

The application server instance is active. It receives and processes requests, and creates and sends requests to other application server instances.

Passive:

In this state, the application server instance can continue to process received requests or create requests itself. However, no new requests should be sent to the AS instance. The purpose of this state is to logically remove from the system an AS instance that has to be stopped during productive operation. The AS instance still processes existing requests, but is not assigned any new ones. It can then be shut down without any relevant requests such as requests or batch jobs having to be canceled. Its state can still be changed to active.

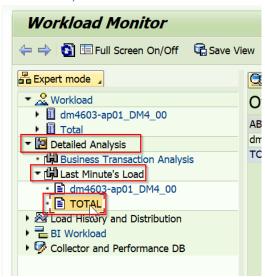
· Shutdown:

The application server instance is in the shutdown phase, which means it will be stopped. This state is similar to the passive state, but cannot be changed to the active state. This state or phase always ends with the shut down of the application server instance.

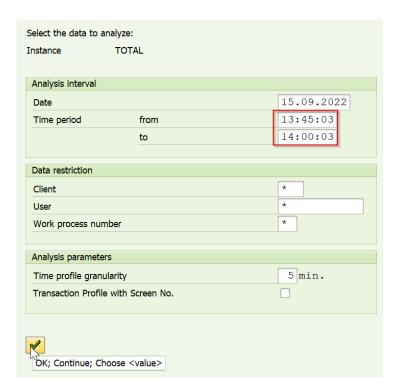
stop:

The application server instance has closed the connection to the message server and can no longer be accessed.

ST03N - System Load



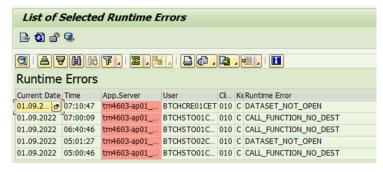
Select the Time period:

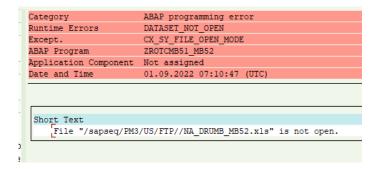


As a general rule, an average dialog time > 1200-1500 ms is bad.



ST22 - Runtime Errors

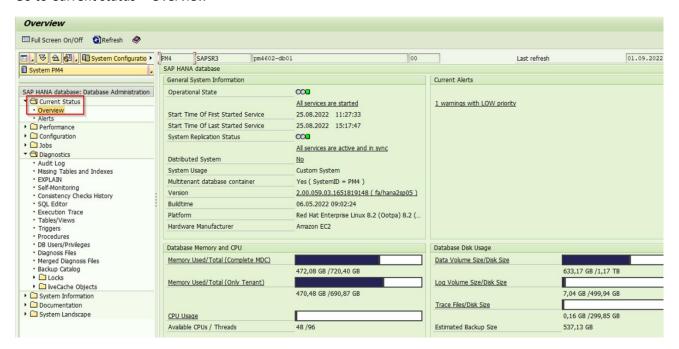




Check the number of runtime errors: if there are a lot of dumps of the same type, verify the cause (also searching the runtime error on the SAP Support Portal https://support.sap.com/)

DB02 - Database overview

Go to Current status-> Overview



Verify no critical errors are listed here.

Check also the system resources.

If you want to verify the backup status, go to Diagnostics -> Backup catalog

