

SAP S/4HANA Background Job Administration and Monitoring

Project Overview

This portfolio project demonstrates the creation, scheduling, execution, and monitoring of a SAP background job using standard SAP administration transactions.

The exercise was performed in a SAP S/4HANA sandbox environment to gain practical experience with background processing, job scheduling, execution monitoring, and job log analysis.

Tools Used:

- SM36 – Background Job Definition
- SM37 – Background Job Monitoring

Screenshot 1 – Background Job Definition (SM36)

Activity Performed

Transaction SM36 was used to create a background job named Z_TEST_JOB.

The job definition included:

- Job Name
- Execution User
- Job Step Configuration

Transaction Executed

SM36

SCREENSHOT 1 – SM36 JOB DEFINITION SCREEN

Job Edit Goto System Help MCD (1) 100

< SAP Define Background Job

✓ Start condition Step Job selection Own jobs Job wizard Job Repository Cancel

General Data

Job Name Z_TEST_JOB

Job Class C

Status Scheduled

Target

E-Mail Notification

Spool List Recipient

Job Start

Job Frequency

Job Steps

Observation

The job definition was successfully created and ready for step assignment.

Next Action

Configure the program step that will be executed by the background job.

Screenshot 2 – Job Step Configuration (SM36)

Activity Performed

A job step was created and assigned to the background job.

The standard SAP report RSPFPAR was assigned as the executable program for the background job step.

Transaction Executed

SM36 → Step

Program: RSPFPAR

SCREENSHOT 2 – SM36 CREATE STEP SCREEN

Create Step 1

User

KRISSWILL

Program values

ABAP program

External command

External program

ABAP program

Name

RSPFPAR

Variant

Language

EN

External Command (command predefined by system administrator)

Name

Parameters

OS

Target Server

External Program (command entered directly by system administrator)

Name

Parameter

Target Server

Background Job

Job Repository

Cancel

Job Edit Goto System Help

MCD (2) 100

Define Background Job

Start condition

Step

Job selection

Own jobs

Job wizard

Job Repository

Cancel

General Data

Job Name

Z_TEST_JOB

Job Class

C

Status

Scheduled

Target

E-Mail Notification

Spool List Recipient

Job Start

Planned Start

Date

05.06.2026

Time

22:48:12

Job Frequency

Job Steps

1 Step(s) defined

Activity Performed

A background job named **Z_TEST_JOB** was configured in transaction SM36. A job step containing the standard SAP report **RSPFPAR** was assigned, and the job was scheduled for background execution.

Transaction Executed

SM36

Observation

One job step was successfully defined and the job was scheduled for execution.

Next Action

Monitor the job execution status using transaction SM37.

SCREENSHOT 3 – SM37 JOB STATUS SCREEN

Job Overview

Job overview from: 05.06.2026 at: : :
to: 05.06.2026 at: : :
Selected job names: *
Selected user names: KRISWILL

☐ 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	Cl	Reason for Delay
Z_TEST_JOB			KRISWILL	Finished	05.06.2026	02:29:08	1	0	100	
*Summary							1	0		

Observation

The job completed successfully with status "Finished".

The execution was processed under user KRISWILL and completed without interruption.

Next Action

Review the job log to validate execution results.

Screenshot 4 – Job Log Analysis (SM37)

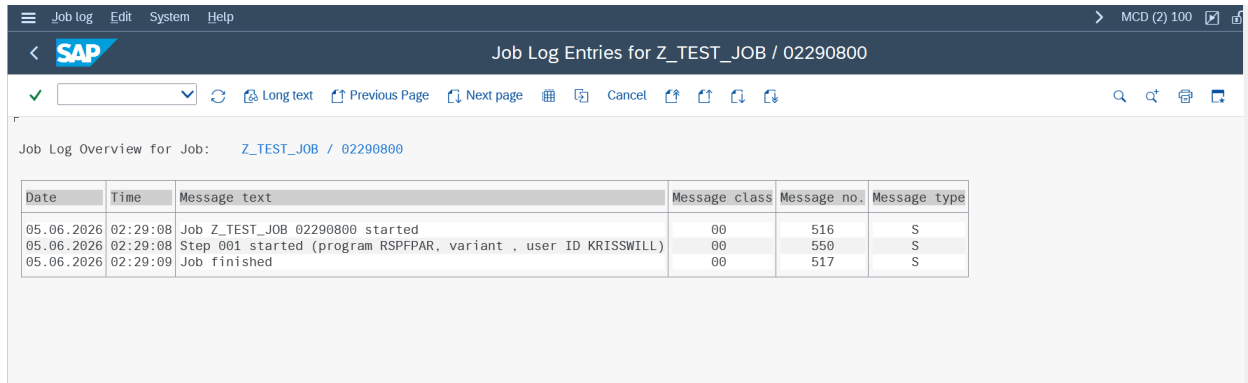
Activity Performed

The job log was reviewed to validate execution results and processing messages.

Transaction Executed

SM37 → Job Log

SCREENSHOT 4 – SM37 JOB LOG SCREEN



Date	Time	Message text	Message class	Message no.	Message type
05.06.2026	02:29:08	Job Z_TEST_JOB 02290800 started	00	516	S
05.06.2026	02:29:08	Step 001 started (program RSPFPAR, variant , user ID KRISSWILL)	00	550	S
05.06.2026	02:29:09	Job finished	00	517	S

Observation

Job Name: Z_TEST_JOB

Program: RSPFPAR

Execution User: KRISSWILL

Status: Finished

All recorded messages were success messages (Type S).

No warning messages, authorization issues, runtime errors, or ABAP dumps were identified during execution.

Project Outcome

This exercise demonstrated the complete SAP background processing lifecycle, including job creation, step configuration, scheduling, execution monitoring, and job log validation.

The successful execution confirmed that the background job was correctly configured and processed by the SAP background work process without errors.

The exercise provided practical experience with SAP job administration and reinforced the importance of monitoring job execution and validating processing results through job logs.

Skills Demonstrated

- Background Job Administration
- SAP Job Scheduling
- Background Processing Monitoring
- SM36 Configuration
- SM37 Monitoring
- Job Log Analysis
- SAP Operations Support
- SAP Basis Administration
- Technical Documentation