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SAP Job Analyzer

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[SAPBuddy Software User Manual]

SAPBuddy Job Analyzer is created to help SAP Technical consultant to support their daily operation, this tools not to for commercial purposes.

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Revision History

Version	Date	Revision Description
1.0	11/01/2012	Template Creation
1.1	11/24/2012	Functional update

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1. Introduction

SAPBuddy is promoted by set of highly experienced SAP consultant in SAP industry from various technical and functional backgrounds. Experts in different SAP Module SAP Basis, SAP Security, ABAP, Solution Manager, XI/PI, BW, CRM, SD, PS, CS, PM, HR etc.

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2. Overview

Getting full overview and details of all background job in SAP system is always been a challenge and manual work to down load many SAP standard tables and format in the way SAP Consultant required. To overcome this daily operational issue it is easy create a program using ABAP to get the necessary report. However is difficult to get the same solution when working in different environment frequently.

Functional Description

SAP Job Analyzer is create using Microsoft Excel VAB program to get the necessary data from SAP Standard table and analyses the data. The tool provides overview off all background jobs and ad-hoc jobs the system in single sheet. The tool also provide the details of each jobs. The detail view includes the program name, variant, background user etc.

3. Instruction

Procedures

Login to SAP System

SAP Logon Pad						
System Name	Server	Client	System Number	User	Password	SAPRouter
SAPBuddy strongly recommends' don't save the worksheet with system details & password.						

Please enter the server & user details in SAP Logon Pad. SAPRouter is optional if the accessed system required router configuration (i.e. same as SAP GUI)

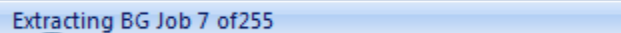
Background Job Analyzer					
Scheduled Job Statistics					
Total Background Jobs	0				System Analyze
Period Jobs	0				
Ad-hoc Jobs	0				
Periodic		Total Background Jobs With Setps			
Jobs / Minute	0	Total Background Jobs	0		
Jobs / Hour	0	Period Jobs	0		
Jobs / Day	0	Ad-hoc Jobs	0		
Jobs / Week	0				
Jobs / Month	0				
Event Triggered	0				
Job Status					
A - Cancelled	0				
F - Completed	0				
P - Scheduled	0				
R - Active	0				
S - Released	0				
Y -Ready	0	Job class		Server	
Z - Hold	0	Class A	0	With Server	0
X - Unknown State	0	Class B	0	W/O Server	0
		Class C	0		

Once the logon details are entered please select the option “System Analyze” to run the analyzer program.

Above screen give provides overview all background jobs scheduled in the system.

Status Check:

The excel program give the status of the program running, please wait still the program is completed.



Extracting BG Job 7 of 255

During execution of this program you will be able to use Microsoft Excel for other worksheet. Please wait still the program extract all necessary information.

Execution method:

Program will call 3 RFC in parallel since please use dialog user or system user where parallel RFC calls are permitted.

Data extracted from SAP table TBTCS, TBTCP & TBTCO

Periodic Jobs:

Details of periodic jobs are in worksheet "Periodic"(please don't change the worksheet name or field name in the worksheet)



Periodic

Background Job Name: Job Name

Background job ID: SAP Internal number (ref only)

Program name: ABAP Program

Job scheduler: User scheduled this program

Background User: Background user authorized to run the program

Job Steps: Steps in the program (running number starting with 1 ...)

Status: Status of the Job (details ref Main sheet)

Start date: Start date of the BJ (YYYYMMDD)

(e.g. 20121202 – 2012/12/02)

Start Time: Start time of the BJ (HHMMSS)

(e.g. 191648 – 19:16:48)

Variet: Variant to for ABAP program

Minutes: if not 0 the job run every 'n' minutes

Hours: if not 0 the job run every 'n' hours

Days: if not 0 the job run every 'n' days

Weeks: if not 0 the job run every 'n' days

Months: if not 0 the job run every 'n' months

Delete after Processing: job is deleted from the system if indicated "X"

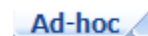
Job class: Job priority

Server Name: Server name is specified otherwise blank

Event Trigger Name: Trigger name is job is triggered by event.

Ad-hoc jobs:

Details of ad-hoc jobs scheduled in the system

 Ad-hoc

4. Reference

Error messages and causes

- i. Cannot login to SAP system



If the system any logon information is incorrect the tool gives above error message

ii. Trace files

Trace file created by SAPGUI RFC call in the same directory where xls are being executed.

a. dev_rfc.trc

```
**** ERROR file opened at 20121113 153611 SE Asia Standard Time, SAP-REL 720,0,87 RFC-VER 3 MT-
T:5564 Error in program 'EXCEL': =====> SAP_CMINIT3 : rc=20 > Connect to SAP gateway failed
Connect_PM GWHOST=/H/xx.xx.xx.xx/H/xx.xx.xx.xx, GWSERV=sapgw00, SYSNR=00

LOCATION      CPIC (TCP/IP) on local host
ERROR       timeout occurred
TIME        Tue Nov 13 15:36:11 2012
RELEASE     720
COMPONENT   NI (network interface)
VERSION     40
RC          -5
MODULE      nibuf.cpp
LINE        4771
DETAIL      NiBufIConnect: route connect
            '/H/xx.xx.xx.xx/H/xx.xx.xx.xx' timeout
COUNTER     3

**** ERROR file opened at 20121113 160236 SE Asia Standard Time, SAP-REL 720,0,87 RFC-VER 3 MT-
T:5564 Error in program 'EXCEL': =====> A condition specified dynamically has an unexpected for
T:5564 Error in program 'EXCEL': <*> RfcReceive [7] : returns 3:RFC_SYS_EXCEPTION
T:5564 Error in program 'EXCEL': <*> RfcCallReceive [7] : returns 3:RFC_SYS_EXCEPTION

**** ERROR file opened at 20121113 164954 SE Asia Standard Time, SAP-REL 720,0,87 RFC-VER 3 MT-
T:5564 Error in program 'EXCEL': =====> A logical condition is missing in a dynamic clause.
T:5564 Error in program 'EXCEL': <*> RfcReceive [14] : returns 3:RFC_SYS_EXCEPTION
T:5564 Error in program 'EXCEL': <*> RfcCallReceive [14] : returns 3:RFC_SYS_EXCEPTION
```

b. rfc06384_05564.trc

```
**** Trace file opened at 20121113 153611 SE Asia Standard Time, by EXCEL
**** Versions SAP-REL 720,0,87 RFC-VER nu 3 MT-SL

>>> RfcopenEx ...
Got following connect_param string:
  USER=xxxxxxx CLIENT=100 LANG=EN PASSWD=***** SYSNR=00 ASHOST=/H/xx.xx.xx.xx ICCE=1 GETSSO2=1 PCS=
<<< RfcopenEx failed

|
```



Disclaimer: Microsoft Excel VBA Macros are venerable for virus attack, however this program is not intended to for any virus attack. We request the user have their best judgment in this regards. If any corporate willing to review the code please contact the author with NDA.