



BatchMan

Alert Tool Manual 5.2

Setting up and using the BatchMan alarm interface

Product Info & Support

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1. Introduction

BatchMan has an open interface to report a system event (e.g. job termination).

BatchMan offers the following alert methods:

Alarm/ Alerttype	Description
S	Unix/ NT scripts (to link external tools)
O	SAPOffice e-mail (also with Internet e-mail)
P	SAP Popup
E	Trigger SAP events
L	Create SAP syslog entry
F	Write message in file
A	Start ABAP

These methods can be customized. Some standard functions are delivered already preconfigured. A good example is the SEND_SMS method.

An alarm link can be linked to the following objects:

- Jobs
- Checkpoints

All messages are generally sent to the members of the response groups, which are defined at the object. These groups are named in BatchMan teams.

Alerts can be triggered in the following situations:

Event	Alarm type
Job is finished	Positive
Job is terminated	Negative
Recovery job was started for a job	Recovery
Job was not executed in planned timeframe (start criteria)	No Exec
Job did not run long enough, runtime was undershot	MinLFZ
Job has been active too long, runtime was exceeded	MaxLFZ
Job has been active too long, runtime and delta time were exceeded	MaxLFZ again
Checkpoint (milestone) reached on time	Positive

Checkpoint (milestone) not reached on time or not in the delta time set (cycle)	Negative
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2. Prerequisites

To use an interface for external tools, the following prerequisites are to be checked:

1. The system to be used (e.g. TIVOLI) must be installed as operational and tested.
2. You must have documentation and expertise on how to carry out individual installations.
3. You must ensure for the operating system that the SAP system user may start these tools directly.

In individual cases, the BatchMan support team will help you during the installation.

If you want to send e-mails via SMTP from SAP, then one of the following options must be set up:

- Install SAPCONNECT product with SMTP option (SAPEXchange, etc.) (up to and including SAP Basis 4.6D)
- Set up SAPConnect in Transaction SCOT with the e-mail server specified (as of Basis 6.20)
- Write a script, which calls an external tool such as Send-mail or WSENDMAIL

and configure the tool using Transaction SCOT accordingly.

Caution:

If you use the "O" = SAP Office Mail method and you entered in the message receiver table the e-mail addresses of the users, the alert module assumes that this e-mail is to be sent directly via SAPCONNECT using SMTP. In this case, you must ensure that you have installed and configured an SAP Exchange or other SMTP Connector.

To be able to use SAPOffice express mails, you must assign the user in the SAPOffice PO box. This occurs automatically when creating a user in the SAP system.

If a pager number is used in the team, the relevant node is to be maintained in SAPconnect so that the link to a provider is possible.

3. Message receiver/ Response group or time table

This function enables you to define response groups (**teams**). These teams define who is included in the distributor when a notification is triggered.

In this case, a distinction is made between the definition of a team with any employees and a time table.

Access via BatchMan *Function tree* → *Customizing* → *Basic customizing* → *Message team / recipient definitions*

Team definition: Maintain

BM: Message recipient

Team: BASIS1 ☐ Use entries as time table

User ID: GMEYER

Send SAP mail ☐ (only SAP office user and distribution lists)

Distrib. list:

via SAPconnect ☒ U Internet address

Internet address: gm@honica.de

Phone no.:

Fax no.:

Mobile/pager no.:

Alert class:

3.1. Team definition

When you access the maintenance of a team, the “Use entries as time table” flag is left empty/not activated.

For a group/team, it is possible to assign any number of employees (user name). In this case, the user need no exist in the SAP System. Dummy entries are also possible (user XXX), if for instance an external alert tool is used for notification.

When sending using SAP Office (alert tool), you can select whether this is to occur as pure SAPmail and/or as Internet e-mail. If the user is already assigned an address in the user master record, this can be read using the “Get from user master” pushbutton.

The fields for the e-mail address, phone, fax, and mobile numbers are to be filled accordingly depending on whether these are used in the alert tool definition.

The alert class is for transferring to the TheGuard! tool from RealTech to trigger a corresponding escalation there.

If an alarm to a user via Internet email is desired, you can choose further options.

3.1.1. Using SAPconnect to send email

To send just email via SAPconnect, it is possible to read the email addresses stored in the user master record (SU01).

Team definition: Maintain

BM: Message recipient

Team: BASIS1 ☐ Use entries as time table

User ID: GMEYER

Send SAP mail ☐ (only SAP office user and distribution lists)

Distrib. list:

via SAPconnect ☒ U Internet address 

Internet address:  Get from user master

Phone no.:

Fax no.:

Mobile/pager no.:

Alert class:

Using the button "Standard address/Home address", you can switch between various addresses maintained in SU01.

SU01: Button, Other Communication

Maintain internet mail addresses

Internet mail address	Standard	Notes	Home addr...	ID
G Meyer@hónico.de	☐	an other one	☐	005
gerald.meyer@hónico.de	☐	Home	☒	004
gm@hónico.de	☒	Standard	☐	001

Navigation:    

Actions:    

If the user does not exist, then the email address must be entered manually.

Since the options for using different kinds of Internet email did not exist until 4.3.0, the "U – Internet address" option is set for old entries at the first maintenance. Thus, the system may require you save even though apparently nothing was changed.

3.1.2. Using SAPconnect as a pager/text message service

When you use a pager number, the corresponding node is to be maintained in SAPconnect. Some helpful SAP Notes:

455142 – SAPconnect configuration paging/texting via HTTP

455140 – Configuring email, fax, paging/texting via SMTP

455129 – Paging/texting in various SAP releases

The pager number is to be entered into the input field for SAPconnect. It is not to be entered into the field for the mobile number/pager number!

When using a pager, SAPconnect first asks for the service also. The service comes first, followed by a colon as separator, and then the actual pager number.

SU01: Button 'Other Communication'

The pager services are to be set up in SAP Customizing in the address management.

3.2. Define time table

When you access the maintenance of a time table, the “Use entries as time table” flag is marked/activated. The user name remains EMPTY.

Time tables serve to

- To notify several teams
- To notify the same teams in different timeframes with different alert tools

Naturally, these two functions may also be combined.

Team definition: Maintain

BM: Message recipient

Team: BASIS ☒ Use entries as time table

User ID:

Time table

Team	From	To	Alert tool	Valid.	Calendar
BATCHMAN	00:00:00	24:00:00	SAP_MAIL		
GMEYER_MAIL	00:00:00	24:00:00	SAP_MAIL		
GMEYER_SAP	00:00:00	24:00:00	SAP_MAIL		
VLADI	00:00:00	24:00:00	SAP_MAIL	W	01

In the table, it is now possible to enter different teams with the timeframes (from – to) and the alert tool you want. Using the validity, you can specify when the notification is to take place.

- Empty Always
- “W” Only on working days (calendar must be specified)
- “N” Only on non-working days (calendar must be specified)

Team definition: Display

BM: Message recipient

Team: BASIS2 ☒ Use entries as time table

User ID:

Time table

Team	From	To	Alert tool	Valid.	Calendar
BASIS1	00:00:00	24:00:00	HP_ITO		
BASIS1	00:00:00	07:00:00	SEND_SMS		
BASIS1	07:00:00	18:00:00	SAP_POPUP		
BASIS1	18:00:00	24:00:00	SEND_SMS		

The system always transfers a message to the tool HP_ITO (HP Openview). The escalation may also occur there.

In addition, from 12 a.m. – 7 a.m. and from 6 p.m. – 12 a.m. a notification is sent via the tool SEND_SMS (send SMS), and from 7 a.m. – 6 p.m. a SAP popup message is sent.

4. Customizing the alert tool

Access via BatchMan *Function tree → Customizing → Basic customizing → Alert tool configuration*

4.1. Introductory notes

Depending on the operating system, texts must be in single or double quotation marks if you want to transfer the texts to an external script or tool.

In these texts, you can use the following variables to provide additional data at runtime:

You can use placeholders, such as **&HOST**, **&JOB** and **&DATE**.

The placeholders possible are:

&HOST	= Host name (field SY-HOST from system table SYST)
&SID	= SAP system identifier (field SY-SYSID from system table SYST)
&MDT	= Client (field SY-MANDT from system table SYST)
&RFC	= RFC connection (target system) of a job
&JOB	= Job name
&COUNT	= Job count
&DATE	= Date
&TIME	= Time
&CHECKP	= Name of a checkpoint that triggered the alarm
&OPA	= Number of the order
&USER	= User name from job step (only master system) as first assignment, otherwise user from message recipient table
&TELEFON	= Telephone number from message recipient table
&FAX	= Fax number from message recipient table
&PAGER	= Mobile or pager number from message recipient table
&MAIL	= E-mail address from message recipient table
&ACCLASS	= Alarm class from message recipient table
&MESS	= Contains the compound text to use it as the subject line
&TID	= Assignment of a transaction ID (according to SAP: "a globally unique ID of the current unit of work")
&MAILFILE	= Placeholder for file name; the job log is temporarily saved in the file
&LOGFILE	= Placeholder for file name; the long text of the alert tool is temporarily saved in the file
&DESCR	= short descriptive object text
&TEXT	= variable text, internal from BatchMan programs (such as /BTCMAN/M_MST → master job)

4.2. Internal tools

In general, the SAP internal tools are ready to use immediately. If settings are required, this is indicated for the tool.

4.2.1. SAP-mail (SAP Office e-mail)

This is one of the most frequently used tools in BatchMan. The function is provided by SAP.

The system set up is dependent in part on the SAP release.

Up to SAP Basis 4.6D, an SAP Exchange Connector must be installed and set up if the e-mail server is a Microsoft Exchange Server. This connector is provided by SAP. For the Lotus Notes Server, the connector is provided by Lotus. For other e-mail servers, we currently do not know of any other connectors.

As of SAP Basis 6.20, an SMTP Connector is integrated into the SAP Basis.

The configuration takes place with Transaction SCOT. Entries are to be maintained for the accounts there. These settings are to be made for each client, from which e-mail is to be sent.

SAPconnect: Administration (system status)

SAPconnect: General node data

General information

Node: EXCHNG

Description: Mailkonektor zu MS Exchange

RFC destination: SXC_OUT

Maximum waiting time for repeat send attempt procedure:

Hours/minutes: / 5

☒ Node in use

☐ Node can resolve path references

☐ Node is to be monitored by the alert monitor

☒ Node supports: Connection test, status, trace

External software

Connection test: Version 2.00ASX => Compatible

Status and trace

Supported address types

☐ Fax Set

☒ Internet Set

☐ X.400 Set

☐ R/3 Set

☐ Pager(SMS) Set

☐ Printer Set

Last changed by: RBEHR on 16.03.2005

transit Waiting

	Duration In transit	Duration Waiting
	hh:mm	hh:mm
35	0	
0	0	0:00
35	0	0:03
35		0:03
0	0	0:00
0	0	0:00
0		0:00

SAPconnect: Address type for node

General information

Node: EXCH...

Description: Mailkonektor zu MS Exchange

AddrType: X.400

Address areas

Address area

Supported formats

☐ All formats

☒ Only the flt formats

☐ All formats except the flw

Format

SAP int. formats

Transmission control

☐ Transm. time restricted

Restrict

Dev. type: POSTSCRIPT

For SAP Basis 4.6C, that looks like this:

Setting up the RFC connection in SM59

RFC destination: SXC_OUT

Technical settings

Connection type: T TCP/IP connection

Activation Type: Start Registration ☐ Trace

Registration

Program ID: SCX1

As of SAP Basis 6.20, that looks like this:

SAPconnect: General node data

General information

Node: SMTP

Description: Mail Server

AddrType: Internet

Maximum waiting time for repeat send attempt procedure:

Hours/minutes: / 30

☐ Node in use

SMTP Connection

Mail Host: 10.3.21.30

Mail Port: 25

Code Page: 0 No Conversion into Other Character Set

Supported address types

☐ Fax Set

☒ Internet Set

☐ Pager (SMS) Set

Last changed by: GMEYER on 14.09.2006

SAPconnect: Address type for node

General information

Node: SMTP

Description: Mail Server

AddrType: Internet

Address areas

Address area

Output Formats for SAP Documents

Format	Extension
SAPscript/Smart Forms	PDF
ABAP List	HTM
Business ObjectLink	TXT
RAW Text	TXT

The alert tool definition looks like this:

BM: Alerttools

Alert tools: SAP_MAIL

Description: via SAP Office

System type: SAP office mail

System dep. entries

Document type: RAW

SAP office title: &MESS

Don't attach job log: ☐

Finished message: &JOB &COUNT OK

Error message: &JOB &COUNT Abort

Recovery job message: &JOB &COUNT RecJob

NoExec message: &JOB &COUNT NoExec

Min. runtime: &JOB &COUNT zuKurz

Max. runtime: &JOB &COUNT zuLang

Max. runtime (renewed): &JOB &COUNT nochAktiv

Long text: Display long text

Created: HONICO 01.01.1990 00:00:00

Last changed: GMEYER 31.08.2006 20:31:38

Using the &MESS placeholder, the system outputs the substituted text as the subject line. If SAP_MAIL is assigned as the alert tool to a job, then the team defined for this is the key as to which type of e-mail is sent. You can select whether this is to occur as pure SAP-mail and/or as Internet e-mail.

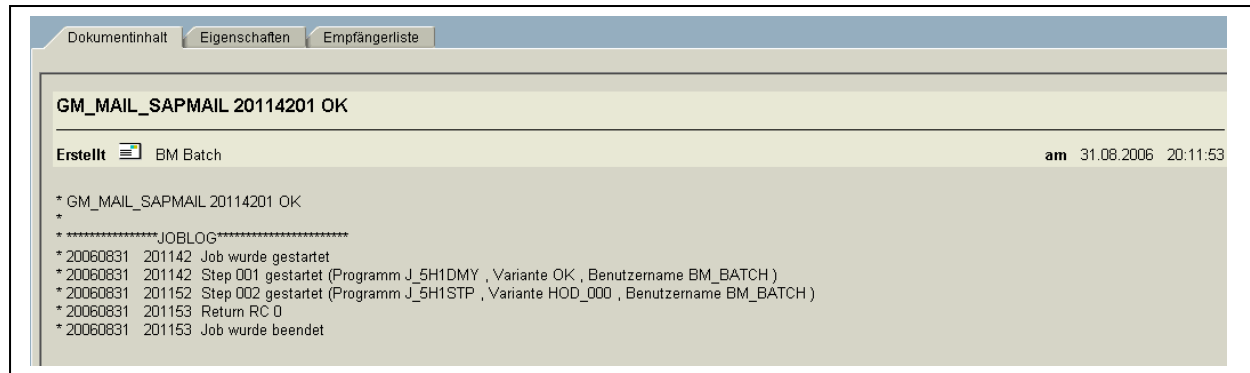
The type of the SAP Office document can be selected from

RAW

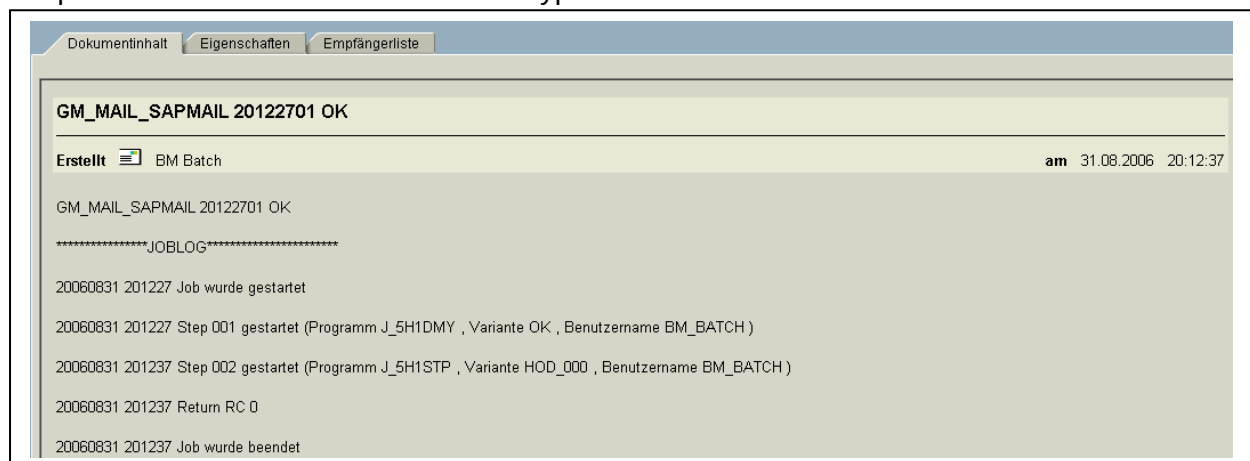
SCR

Here, it only helps to try out and see which one is the better type. The documents then arrive at the user-specific workplace.

Output SAP-mail as the RAW document type:



Output SAP-mail as the SCR document type:



4.2.2. SAP event

If this tool is to be used, an event in SAP is triggered. Processes waiting for this (applies only to jobs) may start.

BM: Alerttools	
Alert tool	SAP_EVENT
Description	raise event
System type	Trigger EVENT 
System dep. entries	
Event name	SAP_END_OF_JOB
Event parameter	&JOB

When the function is triggered, SAP event SAP_END_OF_JOB is triggered with the parameter job name (&JOB).

4.2.3. SAP syslog

If this tool is to be used, a system log entry is written. The system log may be displayed using Transaction SM21.

BatchMan: Alert-Tools	
Alert-Tool	SAP_SYSL06
Bezeichnung	write SysLog
Systemtyp	SAP Syslog schreiben 

The messages that are triggered by this tool are predefined by HONICO and are delivered by the system transport (entry R3TR SYAG JD). You can get an overview using Transaction SE92.

JD	1	JOB &A , Nr: &B aborted, critical because successor may be dependent
JD	2	JOB &A , Nr: &B stopped, User: &C
JD	3	JOB &A , Nr: &B manually started , User: &C
JD	4	JOB &A , Nr: &B set to status 'skipped', User: &C
JD	5	JOB &A , Nr: &B set to debugging User: &C
JD	6	Scheduler STOP by USER &A
JD	7	Scheduler START by user &A
JD	8	Job &A, Count &B : Recovery job &C has been started:
JD	9	JOB &A , Nr: &B Status : P > S cannot be changed , start immediately
JD	A	Error ZSJM >> Change to start immediately not possible &A, &B, &C
JD	B	JOB &A , Nr: &B finished
JD	C	BatchMan: User &A has set all jobs to status &B
JD	D	JOB &A , Nr: &B was not executed in timeframe
JD	E	BatchMan: Checkpoint &A has not been reached in time window
JD	F	BatchMan: Checkpoint &A has been reached
JD	G	BatchMan: &A &B &C &D

4.2.4. Writing to the file

Using this function, you can write the messages to a file on the application server.

If you use a network drive as a directory for storage, make sure that all application servers of a SAP system can reach it.

Writing a new file per message

BM: Alerttools	
Alert tool	WRITE_IN_FILE
Description	Write in file
System type	File
System dep. entries	
Path for files	c:\temp\&TID.txt
Don't attach job log	☐ Append mode
Finished message	&JOB &COUNT OK
Error message	&JOB &COUNT Abort
Recovery job message	&JOB &COUNT RecJob
NoExec message	&JOB &COUNT NoExec
Min. runtime	&JOB &COUNT zuKurz
Max. runtime	&JOB &COUNT zuLang
Max. runtime (renewed)	&JOB &COUNT nochAktiv
Long text	☒ Display long text

Here, the system writes the file to c:\temp. A unique file is generated by using variant &TID. The job log (and existing long texts) are stored in the file after the message.

Using one file for all messages

BM: Alerttools	
Alert tool	WRITE_IN_FILE_APPEND
Description	Write in file
System type	File
System dep. entries	
Path for files	c:\temp\BM_LOG.txt
Don't attach job log	☒ Append mode
Finished message	&JOB &COUNT OK
Error message	&JOB &COUNT Abort
Recovery job message	&JOB &COUNT RecJob
NoExec message	&JOB &COUNT NoExec
Min. runtime	&JOB &COUNT zuKurz
Max. runtime	&JOB &COUNT zuLang
Max. runtime (renewed)	&JOB &COUNT nochAktiv
Long text	☒ Display long text

Here, the system writes the file to c:\temp when you set the "Append mode flag," the system appends the file. In the append mode, make sure that the "Don't attach job log" flag is activated.

5. Appending to objects

The teams and alert tools defined above can now be appended to BatchMan objects.

5.1. Appending to jobs

The alert can be triggered for various system states. For each alert, a BatchMan team and an alert type (alert tool) is to be specified. Also the runtimes can be monitored using this tab page.

	BatchMan team	Table	Alert tool
Job is finished		☒	
Job is aborted		☐	
Recovery job was started		☐	
Job was not executed in time window		☐	
Min. runtime (min)		☐	
☐ Abort if run time to short			
Max. runtime (min)		☐	
☐ Abort if run time exceeded			
☐ hard abortion (kill WVP)			
☐ Retrigger alert		☐	
After (min)			

Job has ended/ finished (positive alert): This generally serves to notify individual users or user groups that processing was a success. From the perspective of job control, this is not interesting since a reaction mostly only must occur for interrupted processing. However, if certain processing is to be ended at a specific time, a positive alert may also be useful. However, the checkpoints as milestones are to be taken into account here. Both a positive and a negative alert can be defined at a checkpoint as a milestone.

Job is terminated/ aborted (negative alert) serves to alert that jobs have terminated.

Recovery job was started is triggered if the original job was terminated and a job is specified in the recovery job field.

Job was not executed in the timeframe is triggered if the job was not started by the time defined in the start criteria (no start after). This enables a monitoring of delayed processes.

The alert for **minimum runtime** is triggered when the minimum runtime entered is undershot. If the **“Abort if runtime too short”** flag is set, then the job is set to terminated. If the flag is not activated, the system displays only that the alert is triggered.

The alert for **maximum runtime** is triggered when the maximum runtime entered is exceeded. If the **“Abort if runtime exceeded”** flag is set, the system attempts a hard termination of the job.

Here it is to be noted that while the system attempts to terminate the job, due to the changed handling in the SAP system, a termination is no longer ensured. For a selection on the database, it is almost impossible to terminate a job in this time.

If the flag is not activated, the system only triggers the alert. This alert can be triggered again after a second time period (also with various alert tools). The alert is triggered then n times every x minutes.

5.2. Appending to checkpoints

For the examples, an extra alert tool is set up that is tailored to the checkpoints.

BM: Alerttools	
Alert tool	SAP_MAIL_CP
Description	via SAP Office
System type	O SAP office mail 
System dep. entries	
Document type	RAW
SAP office title	&MESS
Don't attach job log	☐
Finished message	&CHECKP OK
Error message	
Recovery job message	
NoExec message	&CHECKP to late

Caution: Each time a checkpoint alert is triggered, the alarm is locked at the checkpoint. This is to be released again manually or via the /BTCMAN/M_KP4 report.

5.2.1. Example of cyclical execution

BatchMan: Checkpoints	
Checkpoint	CP_ALERT
Description	CP Alerting
Checkpoint is milestone	☒
Milestone (TARGET VAL)	TVARV variable (Type P)
Checkpoint must be reached until	Date
	Time 00:00:00
Time between two job executions	75
Message to team - positive	
Message to team - negative	BASIS1
Alert tool - positive	
Alert tool - negative	SAP_MAIL_CP

An

alarm at a checkpoint only makes sense if this is defined as a milestone.

This checkpoint is attached to a job, which is executed periodically (via a WDH [repeating] order) every 60 minutes.

The screenshot shows the 'Checkpoints' tab in the BatchMan Alert Tool. The job name is 'GM_MAIL_CP_PERIODICLY'. The status is 'ON' with a green light icon. The 'Mast.data' field is empty. The 'Checkpoints' tab is selected, showing three checkpoint configurations:

- ☐ Wait for job start at checkpoint value: Checkpoint [text field], Par.value >= [text field].
- ☐ Set checkpoint before job starts: Checkpoint [text field], to value [text field], ☐ Fixed value.
- ☒ Set checkpoint after job end: Checkpoint CP_ALERT, RFC destination [text field], if OK ☒ Fixed value, if abort ☒ Fixed value.

Each configuration has a 'Delete' button.

The periodic execution causes the checkpoint to be set each time, and thus the time stamp for the checkpoint is also updated. For each program run, BatchMan_Masterjob compares this time stamp with the system time. If the deviation is longer than 75 minutes, the alert is triggered.

Why is this 75 minutes and not 60 minutes? Different job runtimes may lead to deviations for setting the time stamp. To prevent an alarm from being triggered each time, the time between two executions is set somewhat longer than the period.

If no period is to be carried out from 00 a.m. - 12.p.m, the alarm must be locked or released accordingly. For that, the **/BTCMAN/M_KP4** report can be used. Always, only one checkpoint should be changed.

The screenshot shows the 'BM: Lock/unlock checkpoint alert (batch)' dialog. It has a 'Selection criteria' section with the following fields:

- RFC destination: [text field]
- Checkpoint: [text field]
- Lock alert: ☒
- Unlock alert: ☐

5.2.2. Monitoring as milestone

BatchMan: Checkpoints	
Checkpoint	CP_ALERT
Description	
Checkpoint is milestone	☒
Milestone (TARGET VAL)	
Checkpoint must be reached until	TVARV variable (Type P)
Date	MORGENS
Time	TVARV_NEAR_05:00_0CLOCK
Time between two job executions	
Message to team - positive	BATCHMAN
Message to team - negative	BATCHMAN
Alert tool - positive	SAP_MAIL_CP
Alert tool - negative	SAP_MAIL_CP

This checkpoint must be reached at a certain time (milestone). The time stamp is defined via the **Date** and **Time** fields.

The date should always be maintained dynamically via a TVARV variable. Upon the start of the order, the TVARV variable is to be updated.

If the start time of an order is also dynamic, then this time is to be supplied via a TVARV variable. This TVARV has e.g. as the "System time plus 2 hours" rule.

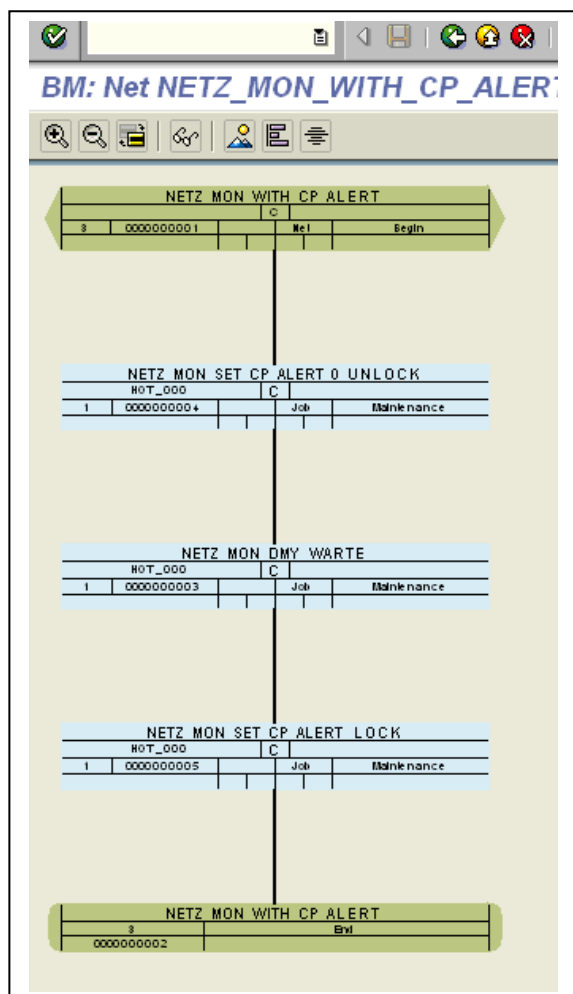
5.2.3. Monitoring the network runtime using a checkpoint (CP)

Definition of the CP as milestone (such as CP_ALERT). If the network runs longer than 60 minutes, the system should generate a notification

BatchMan: Checkpoints	
Checkpoint	CP_ALERT
Description	CP alerting
Checkpoint is milestone	☒
Milestone (TARGET VAL)	1
Checkpoint must be reached until	TVARV variable (Type P)
Date	
Time	00:00:00
Time between two job executions	60
Message to team - positive	BASIS1
Message to team - negative	BASIS1
Alert tool - positive	SAP_MAIL_CP
Alert tool - negative	SAP_MAIL_CP

Maintain the team and tool entries (see above) accordingly in Customizing.

So that the runtime of a network (sample name NETZ_MON_WITH_CP_ALERT) can be monitored, jobs are to be inserted at the beginning and end of the network; these jobs are to execute BatchMan programs for CP handling.



Initializing the CP

- Value set to 0 (zero)
- Cancel the alarm lock

Objects to be executed (jobs)

There can be 1 to n jobs here.

Locking the alarm

Execution

Scheduling the network as INDIV order

Order - Net - Job	RFC-Dest...	Stop	Status	P	Re	CP	Fi	Event	Con	earliest start	start	latest start	end	Description
INDIV	2013011000000001		00001	X						25.01.2013 10:00:00				manuell generierbare Aufträge
INDIV_ADHOC	2013012400000001		active							24.01.2013 12:39:24				NETZ_MON_WITH_CP_ALERT
NETZ_MON_WITH_CP_ALERT			active							24.01.2013 12:39:25				
NETZ_MON_DMY_WARTE	HOT_000		active							24.01.2013 12:39:34				
NETZ_MON_SET_CP_ALERT_0_UNLOCK	HOT_000		finished							24.01.2013 12:39:29		24.01.2013 12:39:31		
NETZ_MON_SET_CP_ALERT_LOCK	HOT_000													

First job NETZ_MON_SET_CP_ALERT_0_UNLOCK

Job log

Date	Time	Job name	Text	ID	No.	Type	Indic.
24.01.2013	12:39:29	NETZ_MON_SET_CP_ALERT_0_UNLOCK	Job started	00	516	S	12392701
24.01.2013	12:39:29	NETZ_MON_SET_CP_ALERT_0_UNLOCK	Step 001 started (program J_5H1KP3, variant CP_ALERT_0_UNL, user name BM_BATCH)	00	550	S	12392701
24.01.2013	12:39:31	NETZ_MON_SET_CP_ALERT_0_UNLOCK	Checkpoint has been updated				
24.01.2013	12:39:31	NETZ_MON_SET_CP_ALERT_0_UNLOCK	new Value : 0	/BTCMAN/93	68	S	12392701
24.01.2013	12:39:31	NETZ_MON_SET_CP_ALERT_0_UNLOCK	Step 002 started (program J_5H1STP, variant HOT_000, user name BM_BATCH)	00	550	S	12392701
24.01.2013	12:39:31	NETZ_MON_SET_CP_ALERT_0_UNLOCK	Return RC 0	/BTCMAN/93	68	S	12392701
24.01.2013	12:39:31	NETZ_MON_SET_CP_ALERT_0_UNLOCK	Job finished	00	517	S	12392701

CP CP_ALERT is set to zero and alarm is unlocked with the /BTCMAN/C_KP3 program.

Maintain Variant: Report J_5H1KP3, Variant CP_ALERT_0_UNL

Variant attributes

Selection criteria

RFC destination: NONE

Checkpoint: CP_ALERT

Value for checkpoint:

Fixed value: ☒

Add value: ☐

☒ Abort wenn CP cannot be set

☐ Change BatchMan 3 checkpoint

BM: show/ edit checkpoints

Checkpoint	Description	Value	Status	Locked	Milestones	Chg.Date	Chg.Time	Changed by
CP_ALERT	CP Alerting	0	000		⌚	24.01.2013	12:39:31	BM_BATCH

Each execution of the master job monitors the CP_ALERT. The system will start the notification if the time difference between the above time and the actual system time is more than 60 minutes

Masterjob

24.01.2013	15:35:40	14. Handling milestones	/BTCMAN/93	68	S
24.01.2013	15:35:40		/BTCMAN/93	68	S
24.01.2013	15:35:40	Alarm locked for milestone VLADI_CP1_ALARM_PDS	/BTCMAN/93	68	S
24.01.2013	15:35:40	Alarm: Checkpoint CP_ALERT Time delta too large.	/BTCMAN/93	68	S
24.01.2013	15:35:41	CP_ALERT Checkpoint locked.	/BTCMAN/93	68	S
24.01.2013	15:35:41		/BTCMAN/93	68	S

Then the CP is locked.

BM: show/ edit checkpoints

Checkpoint	Description	Value	Status	Locked	Milestones	Chg.Date	Chg.Time	Changed by
CP_ALERT	CP Alerting	0	000	🔒	⌚	24.01.2013	15:35:41	BM_BATCH

Administration of External Send Processes

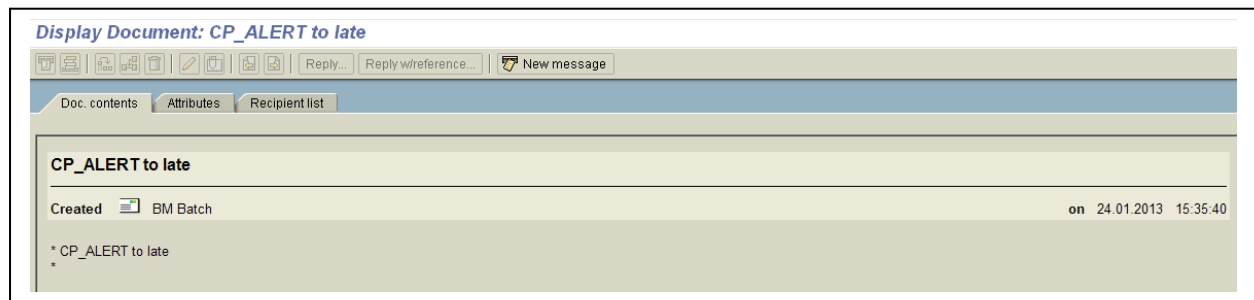
Refresh New Selection

Trace

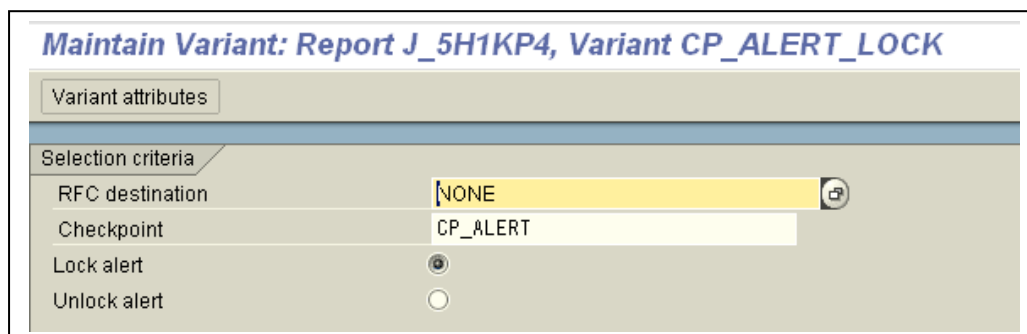
Transmissions

Status	Trans meth...	Document title	Sender	Recipient	Send date	Send time	StatusText
⚠	via Internet	CP_ALERT to late	BM Batch	gm@honic.de; gerald.meyer...	24.01.2013	15:35:40	Wait for communications service
⚠	via Internet	SIN \$AFD.I Name:AFD RW 01 Abort	RM Batch	am@honic.de	24.01.2013	10:09:24	Wait for communications service

Contents of the email



Last job NETZ_MON_SET_CP_ALERT_LOCK with program /BTCMAN/M_KP4



This last job mainly serves to lock the alert if the network does not exceed the maximum runtime. Then no alert is to be triggered.

Order - Net - Job	RFC-Dest...	Stop	Status	P	Re	CP	Fi	Event	Con	earliest start/ start	latest start/ end	Description
INDIV_201301100000001			00001 X							25.01.2013 10:00:00		manuell generierbare Aufträge
INDIV_ADHOC_201301240000001			active							24.01.2013 12:39:24	24.01.2013 12:44:42	NETZ_MON_WITH_CP_ALERT
NETZ_MON_WITH_CP_ALERT			finished							24.01.2013 12:39:25	24.01.2013 12:44:40	
NETZ_MON_DMY_WARTE	HOT_000		finished							24.01.2013 12:39:34	24.01.2013 12:44:35	
NETZ_MON_SET_CP_ALERT_Q_UNLOCK	HOT_000		finished							24.01.2013 12:39:29	24.01.2013 12:39:31	
NETZ_MON_SET_CP_ALERT_LOCK	HOT_000		finished							24.01.2013 15:48:13	24.01.2013 15:48:13	

Date	Time	Job name	Text	ID	No.	Type	Indic.
24.01.2013	15:48:13	NETZ_MON_SET_CP_ALERT_LOCK	Job started	00	516	S	15481201
24.01.2013	15:48:13	NETZ_MON_SET_CP_ALERT_LOCK	Step 001 started (program J_5H1KP4, variant CP_ALERT_LOCK, user name BM_BATCH)	00	550	S	15481201
24.01.2013	15:48:13	NETZ_MON_SET_CP_ALERT_LOCK	Checkpoint was refreshed	/BTCMAN/93	68	S	15481201
24.01.2013	15:48:13	NETZ_MON_SET_CP_ALERT_LOCK	Step 002 started (program J_5H1STP, variant HOT_000, user name BM_BATCH)	00	550	S	15481201
24.01.2013	15:48:13	NETZ_MON_SET_CP_ALERT_LOCK	Return RC 0	/BTCMAN/93	68	S	15481201
24.01.2013	15:48:13	NETZ_MON_SET_CP_ALERT_LOCK	Job finished	00	517	S	15481201

The time stamp of the CP is updated.

Checkpoint	Description	Value	Status	Locked	Milestones	Chg.Date	Chg.Time	Changed by
CP_ALERT	CP Alerting	0	000	LOCKED	⌚	24.01.2013	15:48:13	BM_BATCH