

Chapter 6. Useful Information

6.1 Useful Transactions

User

Transaction	Description
/SAPTRX/ASAPLOG	Application system log for event handling
/SAPTRX/EH_SET	Event Handler Set browser
/SAPTRX/EH_LIST_STAT	Event handler list by status
/SAPTRX/EH_LIST	Event Handler list
/SAPTRX/EH_LAST_EVT	EH list with the last event message
/SAPTRX/EH_CREATE	Event Handler Creation

Administrator

Transaction	Description
/SAPTRX/ASAPLOG	Application system log for event handling
/SAPTRX/EE_MON	Expected Events Monitor
/SAPTRX/EE_OVD_LIST	Expected Event Overdue List
/SAPTRX/EMJOBS	Scheduling EM relevant jobs
/SAPTRX/ER_MS_LIST	Error Messages List
/SAPTRX/EVM_STATUS	Event Message Status
/SAPTRX/EVM_STAT_ADM	Event messages list- Administrator
/SAPTRX/LOCKED_PROC	Locked EH Message Processors
/SAPTRX/LOCKED_PSET	Locked EH Set Processors

Configuration

Transaction	Description
/SAPTRX/TSC0TRD	Display Rule Sets
/SAPTRX/AFPDP	Alert Framework Integration
/SAPTRX/ASC0AO	Define App. Object and Event Types
/SAPTRX/ASC0AP	Define application parameters
/SAPTRX/ASC0SCU	Assign Scenario to Users
/SAPTRX/ASC0SD1	Define Solution / Scenario
/SAPTRX/ASC0SD2	Define Solution / Scenario
/SAPTRX/ASC0TC	Define EM Relevance Conditions
/SAPTRX/ASC0TF	Define EM Interface Functions
/SAPTRX/ASC0TO	Define Business Process Types
/SAPTRX/ASC0TS	Define Event Managers (Engines)
/SAPTRX/CONS_CHECK	Consistency Check
/SAPTRX/TSC0AS	Define Application Systems
/SAPTRX/TSC0AP	Define Authorization Profiles
/SAPTRX/TSC0CONS	Define Event Consolidation Profiles
/SAPTRX/TSC0CS	Codeset customizing and mapping
/SAPTRX/TSC0DF	Document Flow Customizing
/SAPTRX/TSC0DOC	Drilldown to Application Document
/SAPTRX/TSC0EC	Define Internal Event Codes/Groups
/SAPTRX/TSC0EE	Define Expected Event Profiles
/SAPTRX/TSC0EES	Define Event Status

/SAPTRX/TSC0ERC	Event reason codes
/SAPTRX/TSC0ES	Define Event Handler Set Profiles
/SAPTRX/TSC0ET	Define Extension Tables
/SAPTRX/TSC0EXEV	External Ev. Codes and mapping
/SAPTRX/TSC0FP	Define Filter Profiles
/SAPTRX/TSC0FR	Assign Filter Profiles to Roles
/SAPTRX/TSC0FU	Assign Filter Profile to User
/SAPTRX/TSC0GBPT	Global Business Process Types Def.
/SAPTRX/TSC0LOC	Location customizing and mapping
/SAPTRX/TSC0MBF	Ev. Msg. Processing Criteria
/SAPTRX/TSC0PAR	Partner customizing and mapping
/SAPTRX/TSC0PD	Define Parameter Dictionary
/SAPTRX/TSC0PDM	Define Parameter Mapping
/SAPTRX/TSC0PDS	Define System Parameters
/SAPTRX/TSC0SP	Define Status Profiles
/SAPTRX/TSC0ST	Define Status Attributes
/SAPTRX/TSC0STI	Define Status Icons for Events
/SAPTRX/TSC0TC	Define Event Handler Conditions
/SAPTRX/TSC0TC1	Define Rule Conditions
/SAPTRX/TSC0TC2	Define Condition for EH Type and Set
/SAPTRX/TSC0TC5	Define Filter Conditions
/SAPTRX/TSC0TC6	Document Flow: Conditions
/SAPTRX/TSC0TF	Define Event Manager Functions
/SAPTRX/TSC0TF1	Define Rule Activity Functions

/SAPTRX/TSC0TF2	Define EH Type Condition Functions
/SAPTRX/TSC0TF3	Define Expected Events Functions
/SAPTRX/TSC0TF4	Define Parameter Mapping Functions
/SAPTRX/TSC0TF5	Define Filter Profile Functions
/SAPTRX/TSC0TP	Define Activities
/SAPTRX/TSC0TP1	Define Rule Activities
/SAPTRX/TSC0TP2	Define EH Update Activities
/SAPTRX/TSC0TP3	Define EE Monitor Activities
/SAPTRX/TSC0TR	Rules, activities and condition
/SAPTRX/TSC0TRD	Display Rule Sets
/SAPTRX/TSC0TSCONF	Define System Configuration
/SAPTRX/TSC0TT	Define Event Handler Types
/SAPTRX/UCROLE	Assign user profiles to a role
/SAPTRX/UCTD	Maintain WCL Transactions
/SAPTRX/UCUP	Maintain User Profiles
/SAPTRX/UCUSER	Assign user profiles to a user
/SAPTRX/WCL_ADMIN	WCL: Administration
/SAPTRX/WCL_FAVORITE	WCL: My Favorites
/SAPTRX/WCL_QUICK	WCL: Quicksearch
/SAPTRX/WCL_SEARCH	WCL: Search
/SAPTRX/WCL_SEND	WCL: Direct Event Sending

SAP NetWeaver BI

Transaction	Description
/SAPTRX/BWCQ	Check SCEM-queue for delta extraction.
/SAPTRX/BWEX	Definition of SAP BW-Profiles
/SAPTRX/BWGS	General Settings for BW Upload
/SAPTRX/BWID	Initialization of Setup Tables
/SAPTRX/BWPQ	Process SCEM-queue for delta extract
/SAPTRX/BWIU	Initial data upload to BW
/SAPTRX/TSC0TF6	Define BW Interface Functions

6.2 Abbreviations

AII	Auto ID Infrastructure	EM	Event Management
AO	Application Object	ET	Event Type
AOID	Application Object ID	EVM	Event Message
AOT	Application Object Type	ERP	Enterprise Resource Planning
APO	Advanced Planning and Optimization	GR	Goods Receipt
AS	Application System	GUI	Graphical User Interface
ASN	Advanced Ship Notice	HTTP	Hypertext Transfer Protocol
BAdI	Business Add-In	IDoc	Intermediate Document
BAPI	Business Application Programming Interface	IR	Invoice Receipt
BI	Business Intelligence – SAP NetWeaver BI	KPI	Key Performance Indicator
BPP	Business Process Procedure	LTL	Less than Truck Load
BPT	Business Process Type	OER	Object Event Repository
BW	Business Warehouse – SAP NetWeaver BI	OSS	Online Support Service – Now known as Service Marketplace
ECC	Enterprise Core Component	POD	Proof of Delivery
EDI	Electronic Data Interchange	PTA	Product Tracking and Authentication
EE	Expected Event	qRFC	Queued Remote Function Call
EH	Event Handler	RFC	Remote Function Call
EHS	Event Handler Set	RFID	Radio Frequency ID
EHT	Event Handler Type		

RTI	Returnable Transport Item	tRFC	Transaction Remote Function Call
SCEM	Supply Chain Event Management	TM	Transportation Management
SCM	Supply Chain Management	TSP	Tracking Service Provider
SNC	Supply Network Collaboration	UI	User Interface
SOA	Services Oriented Architecture	WCL	Web Communication Layer
SOX	Sarbanes Oxley	XML	eXtensible Markup Language

6.3 Available Enhancement Points

SAP EM

- BAdI: Parameter Change After Mapping
- BAdI: Update Event Handler Data
- BAdI: Change Web Configuration Profiles
- BAdI: Document Flow Status
- BAdI: Document Flow Status
- BAdI: Document Flow Status

Object Event Repository

- BAdI: Pre- or Postprocess EventCaptureNotification Messages
- BAdI: Pre- or Postprocess EventQuery Messages

SAP Business Information Warehouse

- BAdI: Process Customer-Specific Data Collection Groups

- BAdI: Change Event Message Processing

6.4 Operations Guideline

The following sections run through the various aspects you should look in to when running an SAP EM solution in a production environment.

6.4.1 Background Jobs

The following background jobs need to be scheduled.

Note: The frequency is merely a suggestion as common practice. Please refer to your own situation when deciding on frequencies for when a job should run.

/SAPTRX/PROCESS_LOCKED_EH (6x a day)

Processor of locked event handlers is a scheduled regular job in transaction /saptrx/emjobs. For more information, see SAP Note 656990.

/SAPTRX/PROCESS_LOCKED_EHSETS (6x a day)

Processor of locked event handler sets is a scheduled regular job in transaction /saptrx/emjobs. For more information, see SAP Note 656990.

/SAPTRX/COLLECT_UNPROC_EVMSG (6x a day)

Number of unprocessed event messages in the desired client

/SAPTRX/R_REPOST_AI_LOGS (6x a day)

Resend Application Object Data for Event Handlers is a scheduled regular job in transaction /saptrx/emjobs. For more information, see SAP Note 656990.

/SAPTRX/EE_MONITOR (every 3-5 min)

Expected Events Monitor is a scheduled background job that continuously identifies expected events that are overdue. If an event has exceeded the expected date, the status is updated to Overdue and an expected event monitor procedure (for example, alert notification) is executed, if defined. To schedule the background job use transaction /SAPTRX/EMJOBS

/SAPTRX/COLLECT_LOCKED_EH (6x per day (when working with EH Sets))

Number of locked event handlers in the desired client is a scheduled regular job in transaction /saptrx/emjobs. For more information, see SAP Note 656990.

/SAPTRX/COLLECT_LOCKED_EHSETS (6x a day)

Number of locked event handler sets in the desired client is a scheduled regular job in transaction /saptrx/emjobs. For more, see SAP Note 656990.

Restart the above jobs on a system restart.

6.4.2 Application Logs

An application log is available for both the application system and SAP EM and is a very useful tool to the system administrator when the need arises to determine why an AOT, EH or Event Message did not behave as expected.

This provides information about communication operations and problems that occurred while EHs and AOTs were being created, event messages were being processed, or information was being queried.

- **Application System:** Transaction code: /SAPTRX/ASAPLOG. The application log in the application system provides you with an overview of all the activities

relevant to an application object as well as the appropriate event messages. You can reduce the memory space for the application log by deactivating it per business object.

- **SAP EM:** Transaction code: SLG1. The SAP EM application log provides you with an overview of all activities for an event handler and for its corresponding event messages that have occurred during event handler processing.

6.4.3 Event Management Monitoring

The following transactions are used to monitor SAP EM objects.

- **/SAPTRX/EH_LIST** – Event Handler List
 - The Event Handler List provides details about an Event Handler. It's the equivalent of WE05 for Idocs.
 - EH status
 - Event Messages
 - Error messages
 - Parameters
 - Tasks executed
 - History
 - Measurements, ...
- **/SAPTRX/EE_MON** - Expected Events Monitor
- **/SAPTRX/EVM_STATUS** - Event Message Processing Status List
- **/SAPTRX/ER_MS_LIST** - Event Message Processing Error List
- **/SAPTRX/LOCKED_PROC** - Process Event Messages for Locked Event Handler