

SAP Exchange Infrastructure: Monitoring in XI30

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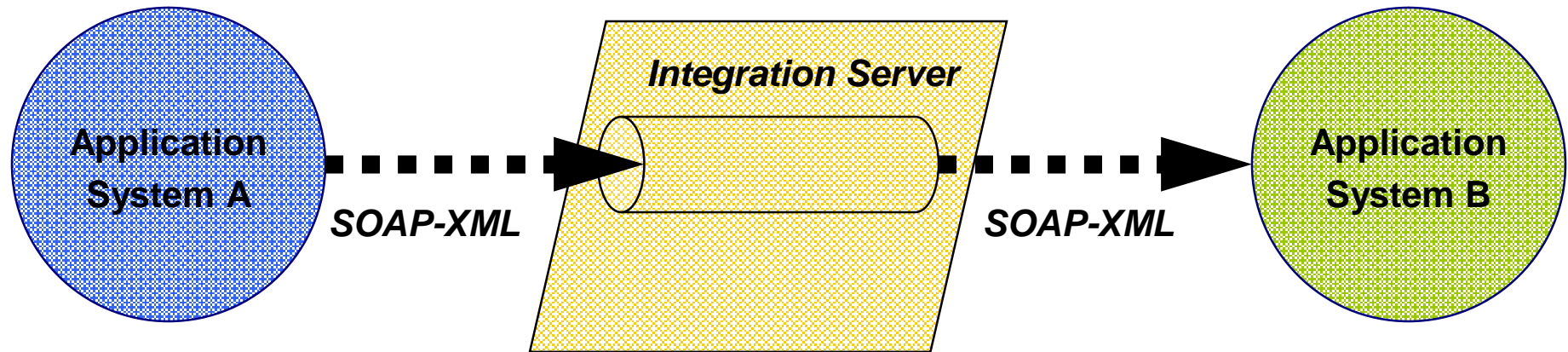
Agenda



Topics

- **Message Monitoring in Integration Server**
- **Message Monitoring in RWB (Runtime Workbench)**
- **Summary**

XI Message Processing - Overview



XI connects various application systems via XML messaging.

XI uses an SAP-specific implementation of the SOAP protocol.

Messages received at the Integration Server are processed through a defined series of steps called *Pipeline Services*.

When a message is received at the Integration Server, the message is examined and all valid configurations (as maintained in the Integration Directory) for that message are executed.

Message Monitoring in IS, Tr : SXI_MONITOR

Monitor for Processed XML Messages

The screenshot displays the 'Monitor for Processed XML Messages' interface. At the top, there is a 'Select Messages By' section with two radio buttons: 'Status Group' (selected) and 'Status'. Below this, there are two tabs: 'Standard Selection Criteria' and 'Advanced Selection Criteria', with the first tab highlighted by a red box. The interface is divided into three main sections: 'Date/Time', 'Sender', and 'Receiver'. Each section contains several input fields for filtering messages. The 'Date/Time' section has fields for 'End of Execution From' and 'End of Execution Until'. The 'Sender' section has fields for 'Party', 'Scheme', 'Agency', 'Service', 'Interface Name', and 'Interface Namespace'. The 'Receiver' section has fields for 'Party', 'Scheme', 'Agency', 'Service', 'Interface Name', and 'Interface Namespace'.

Two selection screens
(Standard/Advanced)

Selection on:

- | Status Group
- | Status
- | Execution From
- | Execution To
- | Party/Scheme/Agency/Service (S/R)
- | Interface Name/Namespace (S/R)
- | Pipeline
- | Technical Inbound Channel
- | Outbound Status
- | Error
- | Client

XML Message List

The screenshot displays the SAP Message List interface. At the top, the title bar reads "Message List" with menu options "Edit", "Goto", "System", and "Help". Below the title bar is a toolbar with various icons. The main window title is "Monitor for Processed XML Messages". A secondary toolbar contains icons for "Display", "Error information", "Restart", "Show", and "Expand All Messages".

The main content area shows "Number of XML Messages Found 158". Below this is a table titled "XML Messages". A context menu is open over the table, listing options: "Select Layout...", "Change Layout...", "Save Layout...", and "Manage Layouts".

Status	Ack. Status	Executed On	StartTime	EndTime	Sender Namespace
[Icon]		17.07.2004	08:17:06	08:17:06	http://sap.com/xi/BPI
[Icon]		17.07.2004	08:17:59	08:18:00	http://sap.com/xi/BPI
[Icon]		17.07.2004	08:18:01	08:18:07	DMSCRM
[Icon]		17.07.2004	08:18:26	08:18:31	SellSpareParts_000
[Icon]		17.07.2004	08:18:31	08:18:31	Airline_Group_One
[Icon]	[Icon]	17.07.2004	08:18:35	08:18:41	SellSpareParts_000
[Icon]	[Icon]	17.07.2004	08:18:36	08:18:39	SellSpareParts_000
[Icon]	[Icon]	17.07.2004	08:18:39	08:18:40	SellSpareParts_000
[Icon]		17.07.2004	08:18:40	08:18:41	Airline_Group_One
[Icon]		17.07.2004	08:18:40	08:18:41	SellSpareParts_000
[Icon]		17.07.2004	08:18:41	08:18:43	Airline_Group_One
[Icon]		17.07.2004	08:18:41	08:18:42	Airline_Group_Two
[Icon]		17.07.2004	08:18:42	08:18:45	Airline_Group_Two
[Icon]		17.07.2004	08:18:50	08:18:55	SellSpareParts_000
[Icon]		17.07.2004	08:18:54	08:18:54	SellSpareParts_000
[Icon]		17.07.2004	08:18:54	08:18:55	Travel_Agency_Summer

A "Status Icon Legend" dialog box is open on the right side of the screen, listing various message status icons and their meanings. A blue arrow points from the legend icon in the toolbar to this dialog box.

Icon	Meaning
[Icon]	Message processed
[Icon]	Message already processed
[Icon]	Message with errors canceled
[Icon]	Message scheduled (commit missing)
[Icon]	Branching: Multiple receivers found
[Icon]	System Error (Restart Possible)
[Icon]	Application Error (Restart Possible)
[Icon]	No receiver found
[Icon]	Message scheduled (commit follows)
[Icon]	Scheduled for outbound processing
[Icon]	Message is in automatic retry mode
[Icon]	Manual Restart for Version
[Icon]	Message changed manually
[Icon]	Acknowledgment message stopped
[Icon]	Message transferred to Process Engine
[Icon]	Log Version

At the bottom of the interface, the status bar shows "FN4 (1) (800)" and the user "iwdf5238" with the role "INS".

Display Message Contents

Steps in Pipeline

Display and download of the content

The screenshot displays the SAP XML Message Viewer interface. The left pane shows a tree view of the message structure, including 'Inbound Message (CENTRAL)', 'Receiver Identification', 'SOAP Header', 'SOAP Body', 'Payloads', 'Interface Determination', and 'SOAP Header'. The right pane shows the XML content of the message, which is split into two sections for comparison. The top section shows the sender and receiver information, including the service 'SellSpareParts_000' and the interface 'crea_po_abstract'. The bottom section shows the sender and receiver information, including the service 'Travel_Agency_Summer' and the interface 'crea_po_in'. A blue callout box on the right side of the XML content contains the text 'Compare versions'.

Compare versions

Message Monitoring in RWB - Overview



Integration Monitoring

Runtime Workbench

XI Runtime Workbench
Component Monitoring | Message Monitoring | End-to-End Monitoring | Performance Monitoring | Configuration

Central point of access: XI Runtime Workbench

Smooth integration with CCMS

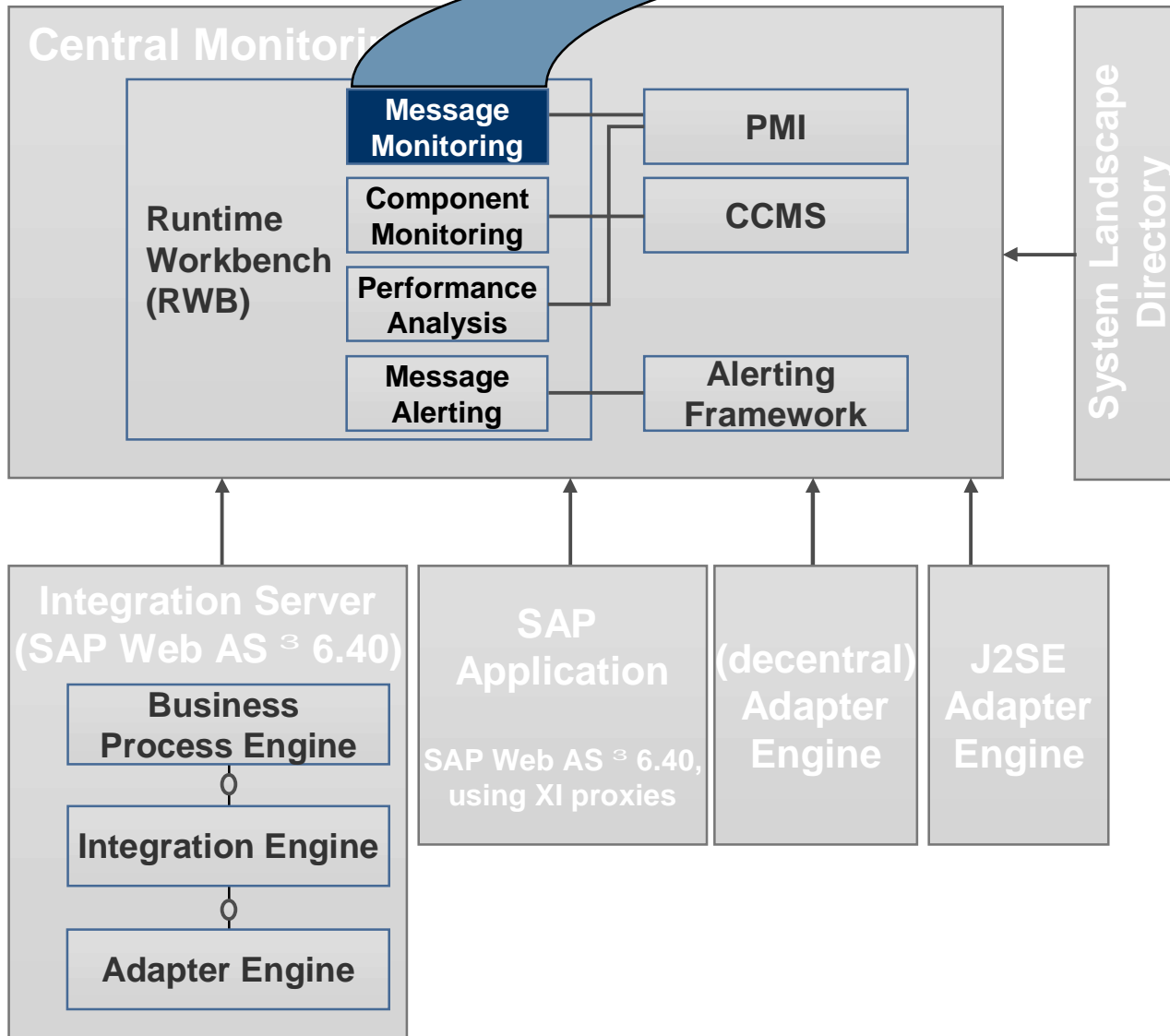
Easy Configuration

- Exploiting System Landscape Directory
- Consistent look-and-feel in UI

Improved Error Handling

- Errors classified by error cause

Monitoring – Message Monitoring

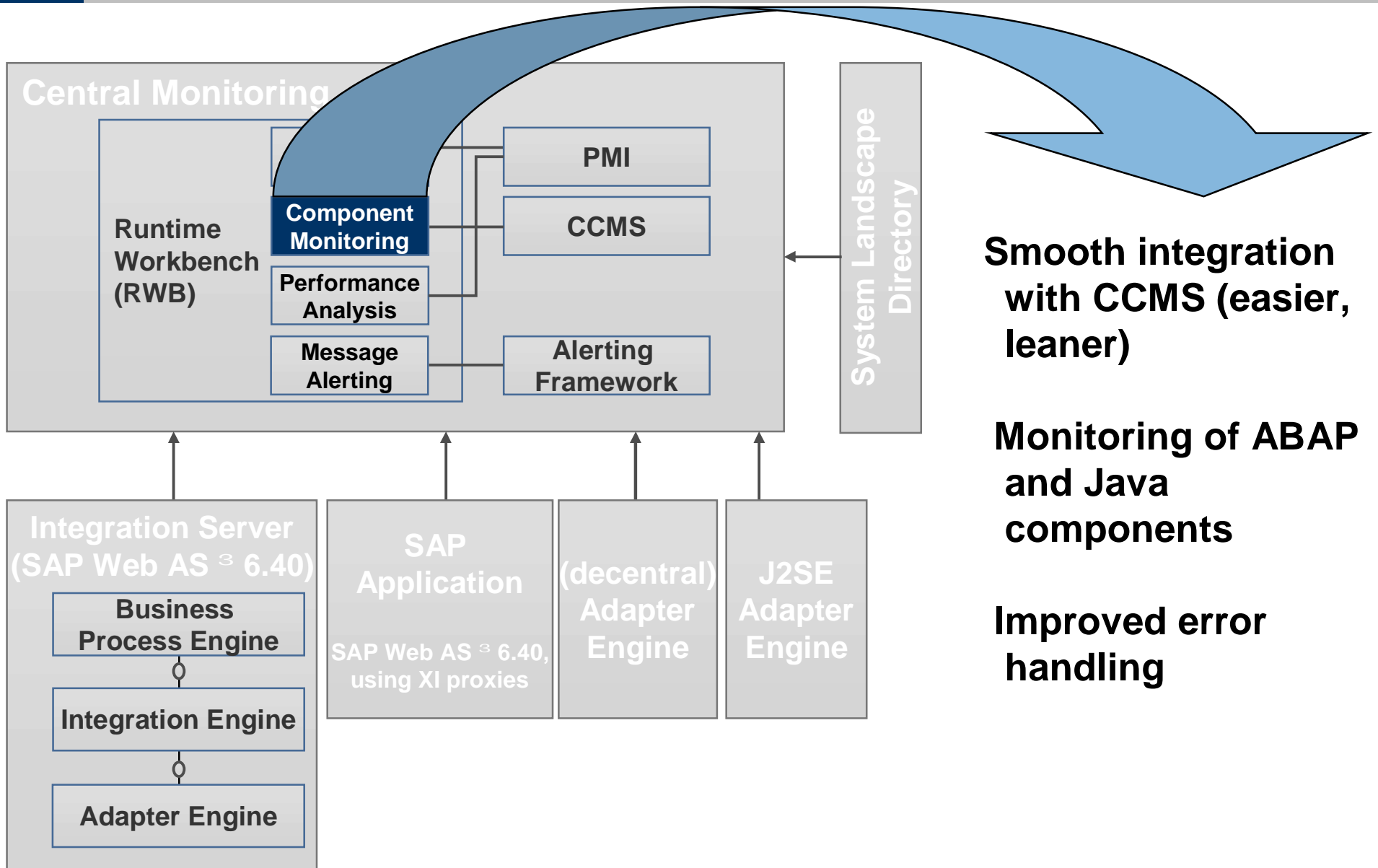


Based on SAP standard monitoring solutions

Used by End-to-End monitoring to construct instance view

Available for XI component with persistence

Monitoring – Component Monitoring

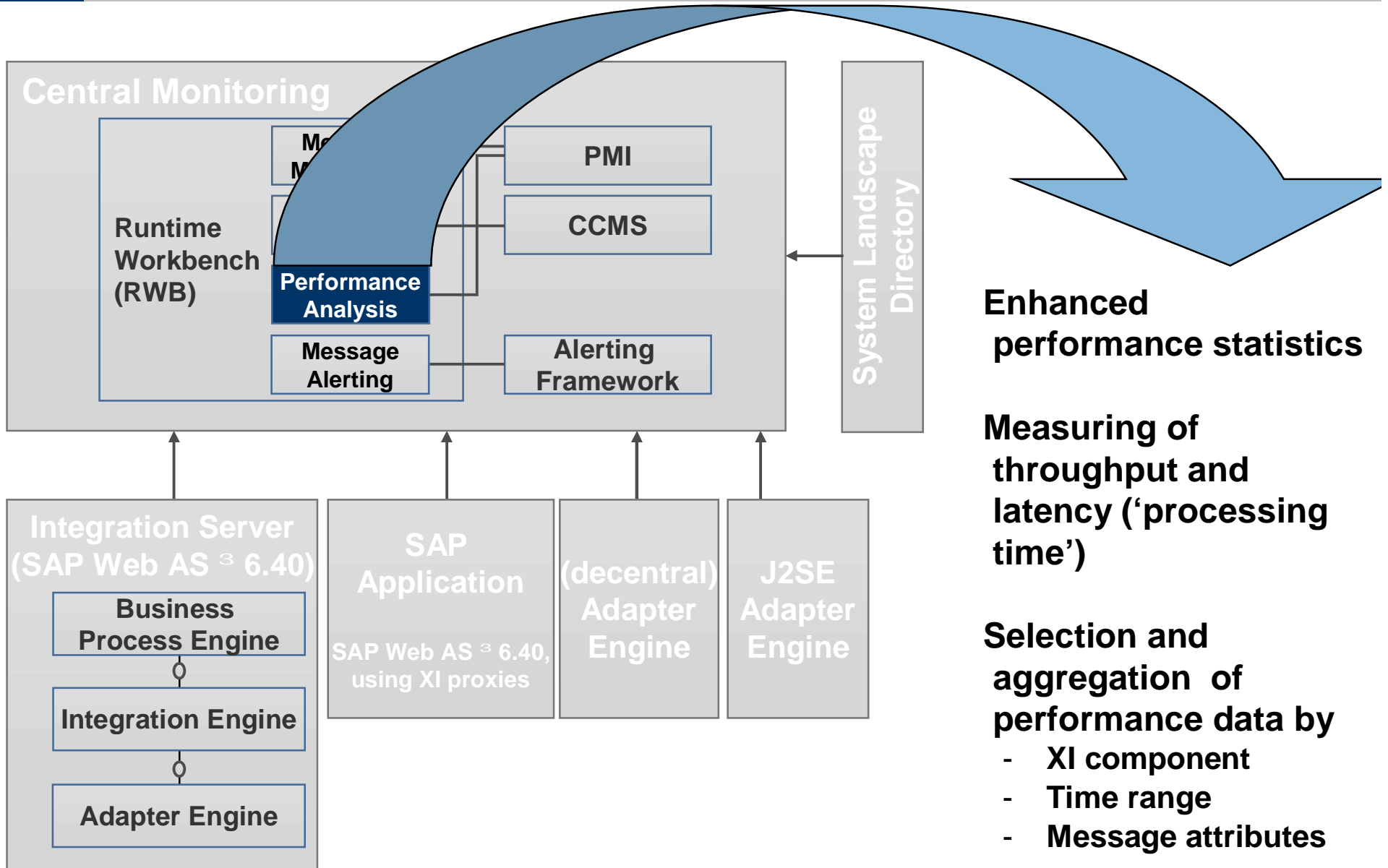


Smooth integration with CCMS (easier, leaner)

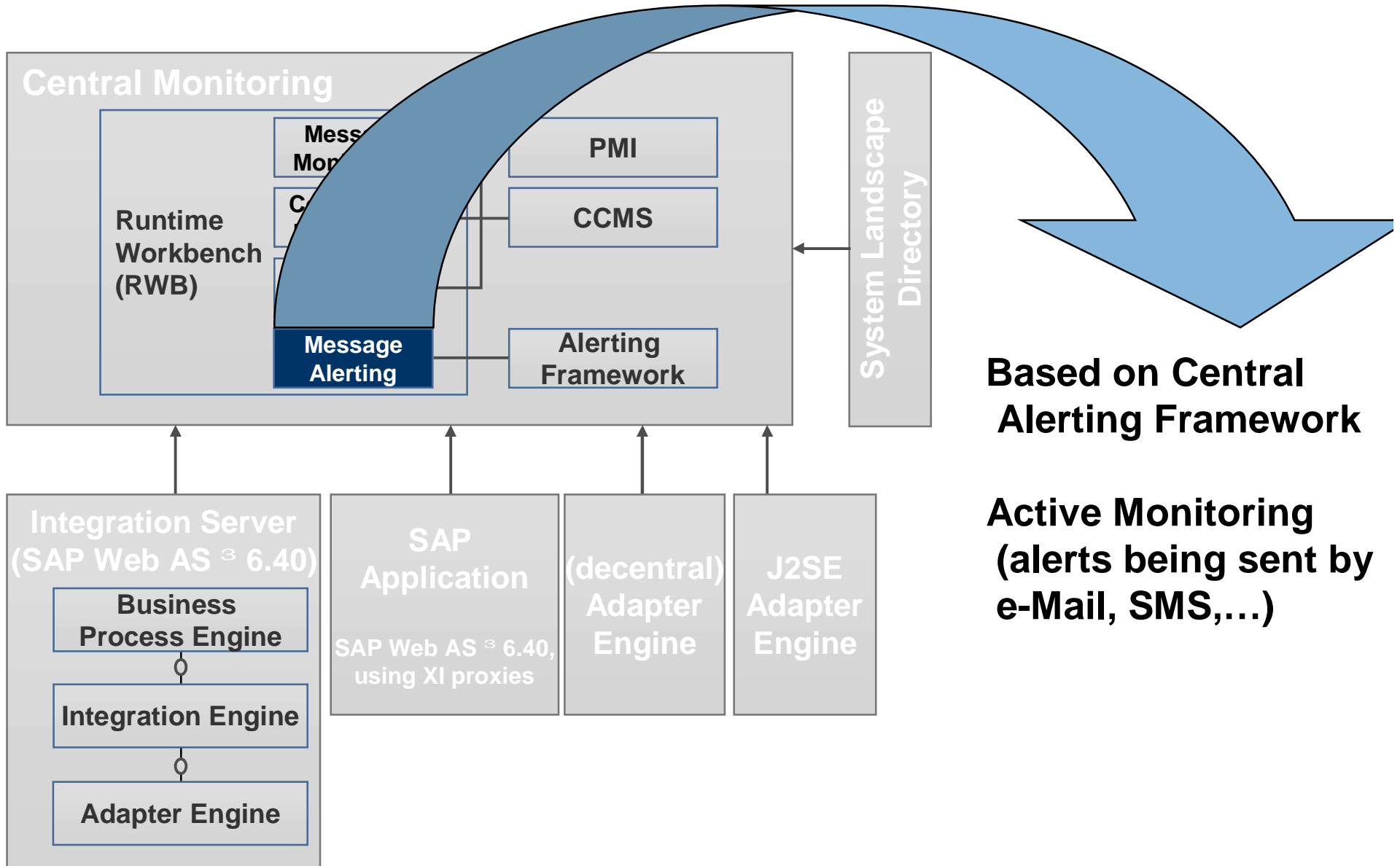
Monitoring of ABAP and Java components

Improved error handling

Monitoring – Performance Analysis



Monitoring - Alerting



Based on Central Alerting Framework

Active Monitoring (alerts being sent by e-Mail, SMS,...)

XI 3.0 RWB – Component Monitoring

Component Monitoring:

Monitoring of ABAP and Java components

Central viewing of component's connection status in a specific domain.

Ping of system and sending of messages to components via a self-test area.

	CCMS Status	Component
<input type="radio"/>	●	System Landscape Directory on iwdf5238.wdf.sap.corp
<input type="radio"/>	●	Integration Directory on FN4.iwdf5238
<input type="radio"/>	●	Integration Repository on FN4.iwdf5238
<input type="radio"/>	●	RWB on FN4.iwdf5238
<input checked="" type="radio"/>	●	Integration Engine on Airline_Group_One

Repeat Ping Repeat Self-Test

Ping Status ● Last Retry Thu Jul 29 00:03:48 CEST 2004

Self-Test Status ● Last Retry Thu Jul 29 00:03:49 CEST 2004

Result of Self-Test

Can the SLD be reached? ●	Does the Integration Engine know the business system? ●
Are roles in SXMS_CONF_ITEMS and SLD consistent? ●	Has an Integration Server destination been defined? ●

Component Monitoring features

Two different views: XI components can be displayed either in Table or Tree format. à

XI Components

CCMS Status	Component	Type
<input type="radio"/>	Integration Directory on BXT.Is0045.wdf.sap.corp	XIIntegrationDirectory
<input checked="" type="radio"/>	Integration Repository on BXT.Is0045.wdf.sap.corp	XIIntegrationRepository
<input type="radio"/>	RWB on BXT.Is0045.wdf.sap.corp	XIRuntimeWorkbench
<input type="radio"/>	Integration Engine on B4Q_000	XIIntegrationEngine
<input type="radio"/>	Integration Engine on B4T_000	XIIntegrationEngine

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XI Runtime Workbench

Component Monitoring | Message Monitoring | End-to-End Monitoring | Performance

Component Monitoring

Components from Domain | domain.

Display as Tree

XI Components

CCMS Status	Component
<input type="radio"/>	Integration Dir
<input type="radio"/>	Integration Re
<input type="radio"/>	RWB on BXT.
<input type="radio"/>	Integration En
<input type="radio"/>	Integration En

Display as Table

Component Monitoring

Components from Domain | dome

Display as Table

XI Components

- domain.05.Is0045
 - Integration Engine
 - Adapter Engine
 - Further Components
 - Integration Directory
 - Integration Repository on BXT.Is0045

Status Settings Test Message

Categories System settings

Parameters

Name	Value
Applications Directory	apps/
Bin Directory	bin/
CONNECT_PORT	54169
FRFC_FALLBACK	ON
FRFC_FALLBACK_HOST	localhost

β Selecting associated information: For ABAP components, specific configuration parameters are displayed as defined in TC SXMB_ADM. For Java components, system settings as well as Aii-Properties are displayed as defined in the exchange profile

Sending Test Messages

The screenshot displays the SAP XI Runtime Workbench interface. At the top, the title bar reads 'XI Runtime Workbench' and the SAP logo is visible. Below the title bar, a navigation menu includes 'Komponenten-Monitoring', 'Message-Monitoring', 'End-to-End-Monitoring', 'Performance-Monitoring', 'Konfiguration', 'Alert Configuration', and 'Cache-Monitoring'. The 'Komponenten-Monitoring' section is active, showing a tree view of components under the domain 'domain.06.Id0060', including 'Integration Engine', 'Adapter Engine', and 'Further Components'. Below this, the 'Test Message' tab is selected, showing a 'Send Message' button and a 'Message sent' status. The 'Header Information' section contains fields for 'Communication Party', 'User' (SCHAERGES), 'Sender' (EBP), 'Interface' (SupplierPortalTradingPartr), 'Namespace' (http://sap.com/xi/EBP), 'Password' (masked), and 'Quality of Service' (Exactly Once In Order). The 'Payload' section shows an XML message: `<?xml version="1.0" encoding="utf-8" ?>
<nr1:test xmlns:nr1="schaerges">TEST1</nr1:test>`

XI 3.0 RWB – Message Monitoring

XI Runtime Workbench

Component Monitoring | Message Monitoring | En

Message Monitoring

Harmonization of different message monitors

Integration Engine

Adapter Framework (J2EE)

All message monitoring centrally accessible through RWB

Monitoring locally available as well

at least for partner connectivity kit

Messages from is.00.iwdf5238.wdf.sap.corp

Update Details Referencing Messages Referenced Message Repeat Exit

Select	▲ Status ▼	▲ Start ▼	▲ Exit ▼	▲ Sender Party ▼	▲ Sender Service ▼	▲ Sender Interface ▼	▲ Receiver Party ▼	▲ Receiver Service ▼	▲ Receiver Interface ▼	▲ Inbound Channel ▼	▲ Outb Channel ▼
<input type="radio"/>	Successful	26.07.2004 16:36:33	26.07.2004 16:36:34		FileSendService	http://sap.com/xi/atp MI_contacts_OUT		FileReceiveService	http://sap.com/xi/atp MI_contacts_IN	XIRA	AENGINE
<input type="radio"/>	Successful	26.07.2004 16:16:33	26.07.2004 16:16:34		FileSendService	http://sap.com/xi/atp MI_contacts_OUT		FileReceiveService	http://sap.com/xi/atp MI_contacts_IN	XIRA	AENGINE
<input type="radio"/>	Successful	26.07.2004 15:56:32	26.07.2004 15:56:34		FileSendService	http://sap.com/xi/atp MI_contacts_OUT		FileReceiveService	http://sap.com/xi/atp MI_contacts_IN	XIRA	AENGINE
<input type="radio"/>	Successful	26.07.2004 15:36:32	26.07.2004 15:36:33		FileSendService	http://sap.com/xi/atp MI_contacts_OUT		FileReceiveService	http://sap.com/xi/atp MI_contacts_IN	XIRA	AENGINE
<input type="radio"/>	Successful	26.07.2004 15:16:32	26.07.2004 15:16:33		FileSendService	http://sap.com/xi/atp MI_contacts_OUT		FileReceiveService	http://sap.com/xi/atp MI_contacts_IN	XIRA	AENGINE
<input type="radio"/>	Successful	26.07.2004 15:13:34	26.07.2004 15:13:45		FileSendService	http://sap.com/xi/atp MI_contacts_OUT		FileReceiveService	http://sap.com/xi/atp MI_contacts_IN	XIRA	AENGINE

◀ ▶ Total: 6 Messages 10 messages displayed per page; this is page 1 of 1 page(s)

Message Monitoring – Message Details


Message Display Tool (Detail Display)		
Message Data	Message Content	End-to-End Monitoring
Status	Successful	
Start	26.07.2004 16:36:33	
Exit	26.07.2004 16:36:34	
Sender Party		
Sender Service	FileSendService	
Sender Interface	http://sap.com/xi/atp MI_contacts_OUT	
Receiver Party		
Receiver Service	FileReceiveService	
Receiver Interface	http://sap.com/xi/atp MI_contacts_IN	
Quality of Service	Exactly Once	
Message	309CF360DF1111D8AEF100D0B73C837A	
Reference		
Inbound Channel	XIRA	
Outbound Channel	AENGINE	
Queue	XBTON__0000	
Pipeline	CENTRAL	
Acknowledgment Status	000	
Parent Message		
Error Category		
Error Code		
Message Type	A	
Outbound Status	000	
Number of Children	000	
Client	800	
User	XIAFUSER	
Number of Retries	000	
Restart Version	000	
Reference		

•To see the detailed information about a message, select the radio button for the message and choose *Details*.

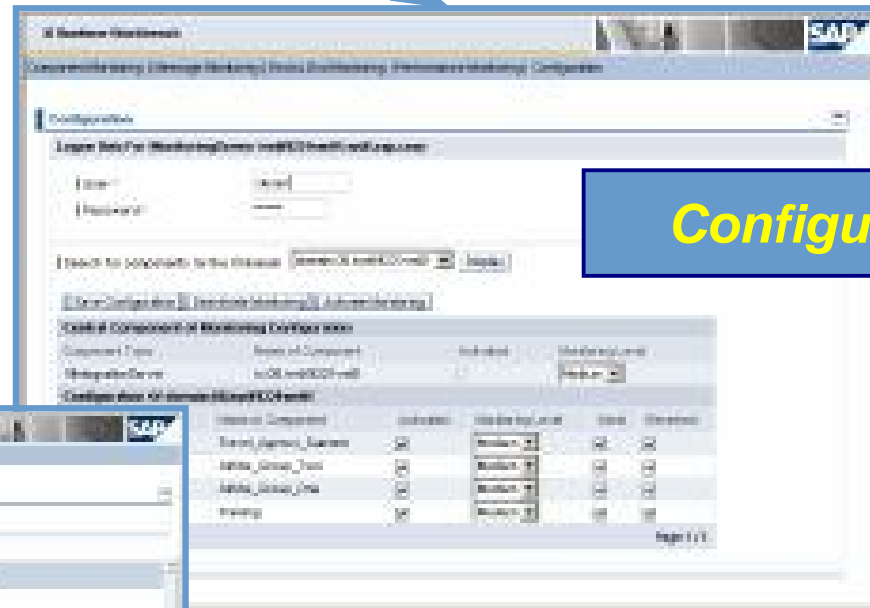
•To view the individual versions of the message (as in transaction SXI_MONITOR), choose *Message Content*.

•You can also view referencing and referenced messages.

XI 3.0 RWB – End-to-End Monitoring/Configuration

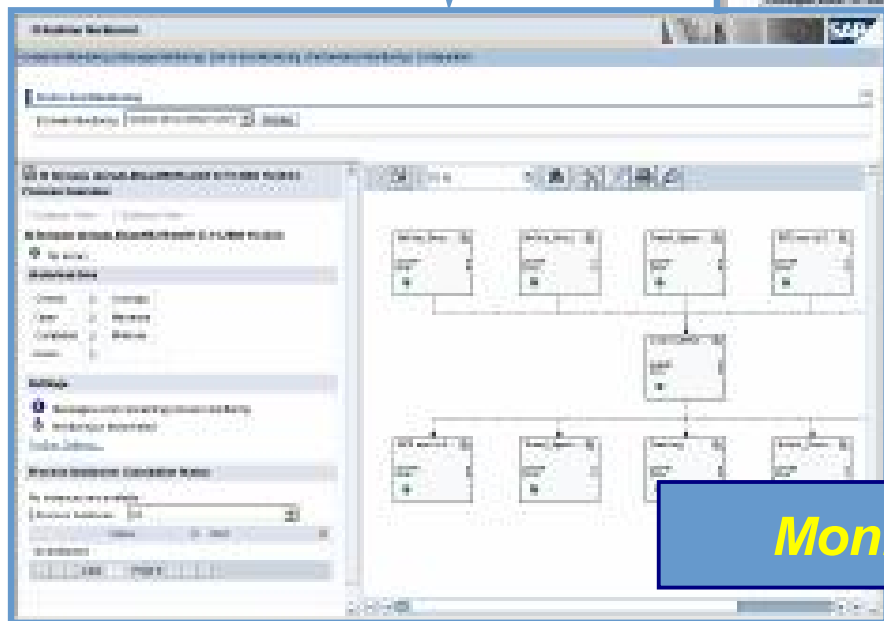
XI Runtime Workbench 

Component Monitoring | Message Monitoring | End-to-End Monitoring | Performance Monitoring | Configuration



Configure

Component Name	Is Active	Is Enabled by User	State	Version
Basic_Services_Services	<input checked="" type="checkbox"/>	Enabled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Basic_Services_Tools	<input checked="" type="checkbox"/>	Enabled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Basic_Services_Web	<input checked="" type="checkbox"/>	Enabled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Basic	<input checked="" type="checkbox"/>	Enabled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



Monitor

End-To-End Monitoring at a glance

XI Runtime Workbench

Component Monitoring | Message Monitoring | **End-to-End Monitoring** | Performance Monitoring | Configuration

End-to-End Monitoring

Domain Monitoring: domain.00.iwdf9221vm02

XI Domain domain.00.iwdf9221vm02 28.01.2004 09:12:26 - Process Overview

Process Overview Instance View

Overall process status

Errors Occurred

Statistical Data

Overall	24	Average	1 Min. 12.69 Sec.
Open	16	Maximum	4 Min. 9.40 Sec.
Completed	4	Minimum	2.43 Sec.
Errors	4		

Statistics

Settings

Messages exist concerning process monitoring

Monitoring Activated Since 30.01.2

[Further Settings...](#)

Status of monitoring tool itself

57 %

Graphical representation of process or instance flow

End-To-End Monitoring – Prerequisites

Activate the *Process Monitoring Infrastructure* Monitoring by setting respective configuration parameter in TC SXMB_ADM

The screenshot shows two SAP configuration screens. The top screen, 'Integration Engine Configuration Data', has a 'Specific Configuration' button highlighted. Below it, the 'Global Configuration Data' section shows 'Role of Business System' as 'Integration Server' and 'Corresponding Integ. Server' as 'http://iwdf9221vm01:8000/sap/xi/engine/?type=entry'. The 'Specific Configuration Data' section shows the 'Category' as 'MONITOR'. The bottom screen, 'New Entries: Overview of Created Entries', displays a table of configuration parameters.

Current Configuration							
	Category	Parameters	Subparameter	Prefix	Current Value	Default	
	MONITOR	PMI_MONITORING		<input type="checkbox"/>	1		
				<input type="checkbox"/>			
				<input type="checkbox"/>			
				<input type="checkbox"/>			
				<input type="checkbox"/>			

End-To-End Monitoring - Configuration

After configuration, choose button “Save Configuration” to activate the End-To-End Monitoring

Save Configuration Deactivate Monitoring

Central Component of Monitoring Configuration

Component Type	Name of Component	Activated	Monitoring Level
XIIntegrationServer	is.00.iwdf9221vm02	<input checked="" type="checkbox"/>	Medium

Configuration Of domain.00.iwdf9221vm02

Activated	Component Type	Name of Component	Monitoring Level	Send	Received
<input checked="" type="checkbox"/>	BusinessSystem	Travel_Agency_Summer	Medium	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	BusinessSystem	Airline_Group_Two	Medium	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	BusinessSystem	Airline_Group_One	Medium	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	BusinessSystem	Training	Medium	<input type="checkbox"/>	<input type="checkbox"/>

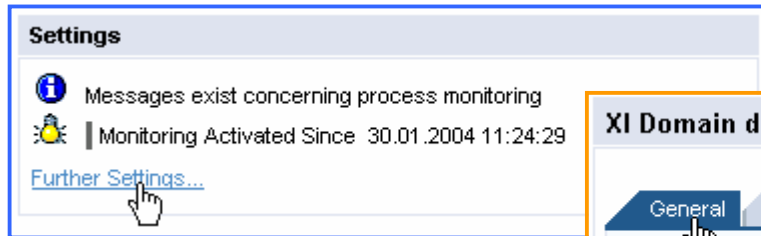
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Select business system to be involved

Select level of monitoring

Configure as sending or receiving system

End-To-End Monitoring – Monitoring Status



Displays internal error messages derived from self-monitoring in CCMS

Frequency of updating process monitoring data

Deletes error messages; corresponding alerts in CCMS are completed

Starts update immediately

End-To-End Monitoring – Process Overview

Choose status symbol or attributes (e.g. warning, error, success) to display corresponding process instances

The screenshot displays the SAP Process Overview interface for the domain `domain.00.iwdf9221vm02` at `28.01.2004 09:12:26`. The interface is divided into several sections:

- Process Overview / Instance View:** The "Process Overview" radio button is selected.
- Statistical Data:**

Overall	26	Average	5 Min. 3,74 Sec.
Open	16	Maximum	25 Min. 27,00 Sec.
Completed	6	Minimum	2,43 Sec.
Errors	4		
- Settings:** Includes a message icon and text: "Messages exist concerning process monitoring" and "Monitoring Activated Since 30.01.2004 11:24:29".
- Process Instances: Inbound / Status:** A table showing process instances. One instance is highlighted with a green circle and a yellow arrow pointing to the "No errors" status in the flow diagram.

Status	Start	Interface Name of the Sender	Message ID
	02.02.2004 08:17:01	BookingOrderRequest_Out	B263DDF32B5B2
- Process Flow Diagram:** A flow diagram showing the process flow. The "Airline_Group_One" node is highlighted with a yellow box and a yellow arrow pointing to the "No errors" status. Below it, the "Queue" node is also highlighted with a yellow box and a yellow arrow pointing to the "No errors" status. The "Transfer to Application" node is also highlighted with a yellow box and a yellow arrow pointing to the "No errors" status.

End-To-End Monitoring – Instance View

Choose message to switch to instance view
providing tracking information

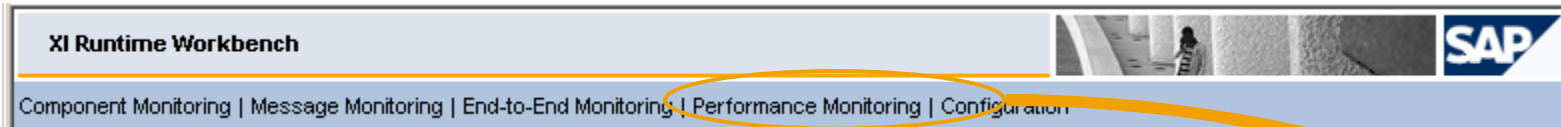
The screenshot displays the SAP XI Instance View interface. On the left, the 'Instance View' tab is selected. The main area shows a process flow diagram with components: Travel_Agenc..., BPE of is.00.i..., Airline_Group..., and Training. A central component 'is.00.iwdf922...' is highlighted with a yellow box. Below the diagram, the text 'Components involved' is visible. The left sidebar contains the following sections:

- Statistical Data**: Duration of message table.
- Settings**: Messages exist concerning process monitoring, Monitoring Activated Since 30.01.2004 11:24:29.
- Process Instances: Completed**: 2 instances are (still) available.
- Process Instances**: Table with columns Status, Start, and Interface Name of the Sender.

Completed	Duration	25 Min. 27,00 Sec.
Complete	Start	02.02.2004 08:17:01
	End	02.02.2004 08:42:28
	Expiration Date	04.02.2004 08:17:01

Status	Start	Interface Name of the Sender
●	02.02.2004 08:42:27	FlightBookingOrderConfirmation_Out
●	02.02.2004 08:17:01	BookingOrderRequest_Out

XI 3.0 RWB - Performance Monitoring



Performance Monitoring

Performance measurement during operation

Performance Monitoring

Start | Display | Throughput Aggregated | Extended Search

16 Data Records Found

Data Source: IS PMI | Consolidated Data

Component: XIIntegrationServer/fs.00.iwdf5238/B

Processing Mode: [Dropdown]

Time Interval: Last 4 Weeks | Start: 05.07.04 00:00:00 | Exit: 02.08.04 00:00:00

Aggregation Interval: 1 Day

Measured data:

nThroughput

nLatency (“processing time”)

Selection and Aggregation by:

nXI component (Integration Server, Adapter Engine)

nTime range

nMessage attributes: Sender, receiver, message type

Performance Statistics --- Example

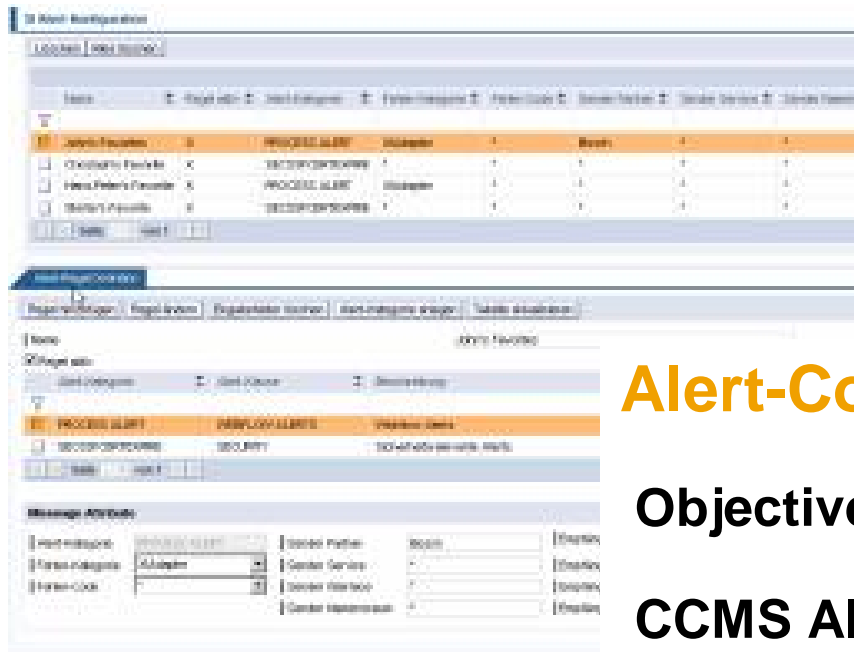
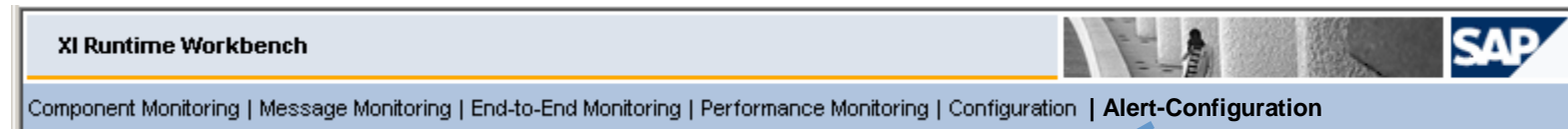
Performance Data

Refresh Display | Display Options

Interval Start	End of Interval	Number	Size (Bytes)	Processing Time [s]	Rate [msg./h]	Component
05.07.04 00:00:00	06.07.04 00:00:00	81	1,505	0.000	3.4	XIIntegrationServer/fs.00.iwdf5238/B
06.07.04 00:00:00	07.07.04 00:00:00	71	1,556	0.000	3.0	XIIntegrationServer/fs.00.iwdf5238/B
07.07.04 00:00:00	08.07.04 00:00:00	282	1,197	0.000	11.8	XIIntegrationServer/fs.00.iwdf5238/B
08.07.04 00:00:00	09.07.04 00:00:00	130	1,377	0.000	5.4	XIIntegrationServer/fs.00.iwdf5238/B
09.07.04 00:00:00	10.07.04 00:00:00	64	1,556	0.000	2.7	XIIntegrationServer/fs.00.iwdf5238/B
10.07.04 00:00:00	11.07.04 00:00:00	472	1,278	0.000	19.7	XIIntegrationServer/fs.00.iwdf5238/B
11.07.04 00:00:00	12.07.04 00:00:00	942	1,186	0.000	39.2	XIIntegrationServer/fs.00.iwdf5238/B
12.07.04 00:00:00	13.07.04 00:00:00	75	1,557	0.000	3.1	XIIntegrationServer/fs.00.iwdf5238/B
13.07.04 00:00:00	14.07.04 00:00:00	478	1,062	0.000	19.9	XIIntegrationServer/fs.00.iwdf5238/B
14.07.04 00:00:00	15.07.04 00:00:00	61	1,166	0.000	2.5	XIIntegrationServer/fs.00.iwdf5238/B
15.07.04 00:00:00	16.07.04 00:00:00	5	5,430	0.000	.2	XIIntegrationServer/fs.00.iwdf5238/B
17.07.04 00:00:00	18.07.04 00:00:00	34	1,199	0.000	1.4	XIIntegrationServer/fs.00.iwdf5238/B
18.07.04 00:00:00	19.07.04 00:00:00	69	741	0.000	2.9	XIIntegrationServer/fs.00.iwdf5238/B
19.07.04 00:00:00	20.07.04 00:00:00	2	1,656	0.000	.1	XIIntegrationServer/fs.00.iwdf5238/B
20.07.04 00:00:00	21.07.04 00:00:00	5	416	0.000	.2	XIIntegrationServer/fs.00.iwdf5238/B
26.07.04 00:00:00	27.07.04 00:00:00	6	1,562	0.000	.2	XIIntegrationServer/fs.00.iwdf5238/B

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XI 3.0 RWB - Alert Configuration



Alert-Configuration

Objective: Active Monitoring

CCMS Alerts + message-oriented alerts

Based on SAP's Basis Alert Framework

Alerts propagated through E-Mail, SMS, ...

Creating A New Alert Rule

XI Alert-Konfiguration

Löschen | Alles löschen

	Name	Regel aktiv	Alert-Kategorie	Fehler-Kategorie	Fehler-Code	Sender Partner	Sender Service	Sender Namensraum	Sender Interface	Empfänger
<input checked="" type="checkbox"/>	John's Favorites	X	PROCESS ALERT	XIAdapter	*	Bosch	*	*	*	SAP
<input type="checkbox"/>	Christoph's Favorite	X	SECSSFCERTEXPIRE	*	*	*	*	*	*	*
<input type="checkbox"/>	Hans-Peter's Favorite	X	PROCESS ALERT	XIAdapter	*	*	*	*	USABILITY*	*
<input type="checkbox"/>	Stefan's Favorite	X	SECSSFCERTEXPIRE	*	*	*	*	*	INTEGRATION*	*

Seite 1 von 1

Alert-Regel Definition

Regel hinzufügen | Regel ändern | Eingabefelder löschen | Alert-Kategorie anlegen | Tabelle aktualisieren

Name

John's Favorites

Regel aktiv

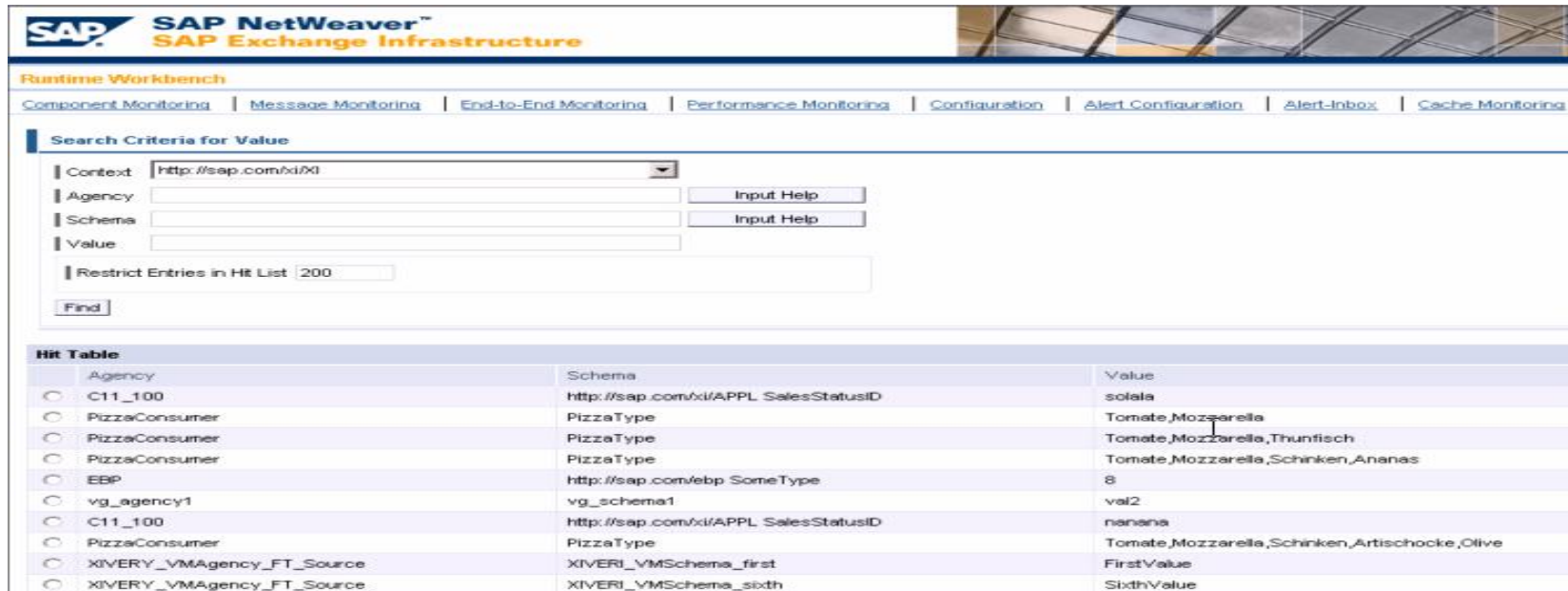
	Alert-Kategorie	Alert-Klasse	Beschreibung
<input checked="" type="checkbox"/>	PROCESS ALERT	WEBFLOW ALERTS	Webflow Alerts
<input type="checkbox"/>	SECSSFCERTEXPIRE	SECURITY	Sicherheitsrelevante Alerts

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Message Attribute

Alert-Kategorie	PROCESS ALERT	Sender Partner	Bosch	Empfänger Partner	SAP
Fehler-Kategorie	XIAdapter	Sender Service	*	Empfänger Service	*
Fehler-Code	*	Sender Interface	*	Empfänger Interface	*
		Sender Namensraum	*	Empfänger Namensraum	*

XI 3.0 RWB – Cache Monitoring



The screenshot shows the SAP NetWeaver Runtime Workbench interface for Cache Monitoring. The top navigation bar includes links for Component Monitoring, Message Monitoring, End-to-End Monitoring, Performance Monitoring, Configuration, Alert Configuration, Alert-Inbox, and Cache Monitoring. The main area is titled "Search Criteria for Value" and contains search fields for Context (http://sap.com/xi/XI), Agency, Schema, and Value, along with "Input Help" buttons and a "Restrict Entries in Hit List" field set to 200. A "Find" button is located below the search criteria. Below the search area is a "Hit Table" with the following data:

Agency	Schema	Value
<input type="radio"/> C11_100	http://sap.com/xi/APPL_SalesStatusID	solala
<input type="radio"/> PizzaConsumer	PizzaType	Tomate_Mozzarella
<input type="radio"/> PizzaConsumer	PizzaType	Tomate_Mozzarella,Thunfisch
<input type="radio"/> PizzaConsumer	PizzaType	Tomate_Mozzarella,Schinken,Ananas
<input type="radio"/> EBP	http://sap.com/ebp_SomeType	8
<input type="radio"/> vg_agency1	vg_schema1	val2
<input type="radio"/> C11_100	http://sap.com/xi/APPL_SalesStatusID	nanana
<input type="radio"/> PizzaConsumer	PizzaType	Tomate_Mozzarella,Schinken,Artischocke,Olive
<input type="radio"/> XIVERY_VMAgency_FT_Source	XIVERY_VMSchema_first	FirstValue
<input type="radio"/> XIVERY_VMAgency_FT_Source	XIVERY_VMSchema_sixth	SixthValue

Cache Monitoring enables you to display representations that are currently located in the runtime cache of the Integration Engine or Adapter Engine.

The are various cache types in Cache Monitoring:

- **Value Mapping Groups**
- **Mapping Programs**
- **Software Component Versions**

Monitoring in XI 3.0 - Summary



Monitoring via Tr: SXMB_MONITOR

Central access to monitoring using RWB

Component Monitoring

End-to-end Message Monitoring

Performance Measurement across distributed XI landscape

Integration with Basis Monitoring solutions:

- CCMS
- PMI
- Alert Framework

Unified User Interface (UI)

Easy monitor configuration



XI 3.0 Resources

è Service Marketplace <http://service.sap.com>

n NetWeaver information: alias /netweaver

n XI general information: alias /xi

n XI Roadmap: alias /xi -> XI in Detail -> XI 3.0

n Ramp-Up: alias /rampup



è SAP Developer Network <http://sdn.sap.com>

è SAP Help Portal <http://help.sap.com/>

n Follow SAP NetWeaver > SAP Exchange Infrastructure

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