Integration strategies for Siebel CTMS:

Examining integration between CTMS and ERP, CTMS and OC/RDC

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Acknowledgements

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- Thanks to the OCUG Planning and Review Committee and Siebel Clinical CTMS Focus Group Chairs for their patience in receiving and reviewing this presentation

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The Business Case (1)

- Users being able to **easily** program their own procedures was a major sales argument for Oracle Clinical
- Siebel Clinical allows significant customization, and leverages a significant developer community—again, a major lever

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The Business Case (2)

- This is the era where every program talks to everybody else
- Imagine the power of being able to leverage data from Oracle Clinical into **signals** for Study Managers, to be displayed in Siebel Clinical CTMS

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The Business Case (3)

- All Siebel systems implement business processes that eventually translate into money
- (Yeah, so does Oracle Clinical, but not as explicitly…)
- Interface to Oracle ERP, SAP, or equivalent, can imply live reconciliation of expense reports, site payments…

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The Business Case (4)

- Imagine the operational impact of being able to define business rules in one system, and have the result immediately written in the other system…
- And having all that power from the user seat, not having to develop custom code each time

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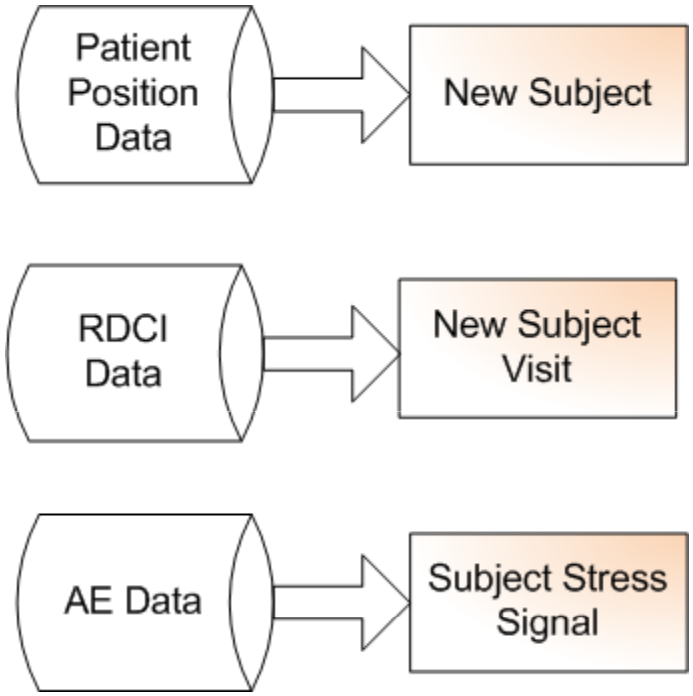
OC to Siebel Clinical Example



AE | Menu | Query **Query Results** 1 - 3 of 3

Event	Patient	Subject Initials	Site	Visit Name
LOWER BACK PAIN	40301	GGG	403	VISIT1
COLD	40302	HHH	403	VISIT1
BACKACHE	40303	III	403	VISIT1

Each rule incorporates a specific trigger

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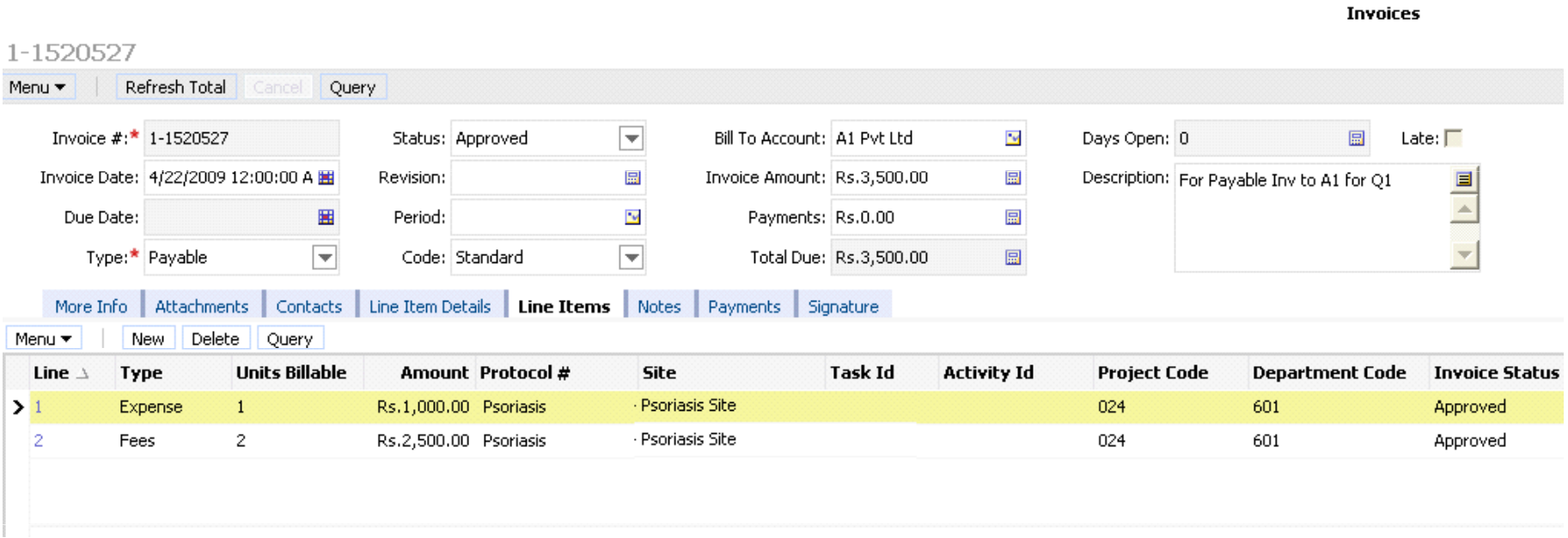
Siebel Clinical to Oracle ERP Example

Invoicing happens upon accrual of revenue and is triggered by milestone achievement or monthly/quarterly, per contract



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Siebel Clinical to Oracle ERP Example

Division: DIV1 Protocol #: APsoriasis Class: Client Billable

Cost

Total Accrued Amount: Rs.0.00 Total Billed Amount: Rs.0.00 Total WIP Amount: Rs.0.00

Final Cost: Rs.0.00 Total Budgeted Cost: Rs.0.00

Access | Activities | Revenue | Agreements | Attachments | Calendar | Contacts | Financial Profile | **Invoices** | Site Payments | Orders | Organization Analys

Menu | New | Query

Invoice #	Sub-Contract	Start	Period End	Status	Type	Invoice Amount	Invoice Date	Organization Site	Protocol #
1-1520527				Approved	Payable	Rs.3,500.00	4/22/2009	INTERNAL	APsoriasis
1-1531609				Approved	Payable	Rs.50,000.00	4/22/2009	INTERNAL	APsoriasis
1-1531615				Approved	Receivable	Rs.150,000.00	4/22/2009	INTERNAL	APsoriasis
1-1531808				Approved	Receivable	Rs.85,000.00	4/22/2009	INTERNAL	APsoriasis

Console for exporting…

Jobs | Menu | New | Delete | Query | Submit Job | Cancel Job | Hold Job | Resume Job | **Query Results**

State (Icon)	ID	Component/Job	Repeating?	Requested Serve	Execution Server	Request
	1-WV8Z	ERP AP Export				
	1-TYOM	ERP AP Export			CTMSDS1	
	1-TYHB	ERP AP Export			CTMSDS1	
	1-THFA	ERP AP Export			CTMSDS1	
	1-T6U2	ERP AP Export			CTMSDS1	
	1-RNJN	ERP AP Child Export	✓			
	1-RNJA	ERP AP Export	✓			

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Service Oriented Architecture

- How do we get close to "Web Services"?
- First, we wrap all data in generic containers (note to self: say something about XML)
- "Services" play with data and pass it on, knowing very little about one another (note to self: say something about assembly line cells)

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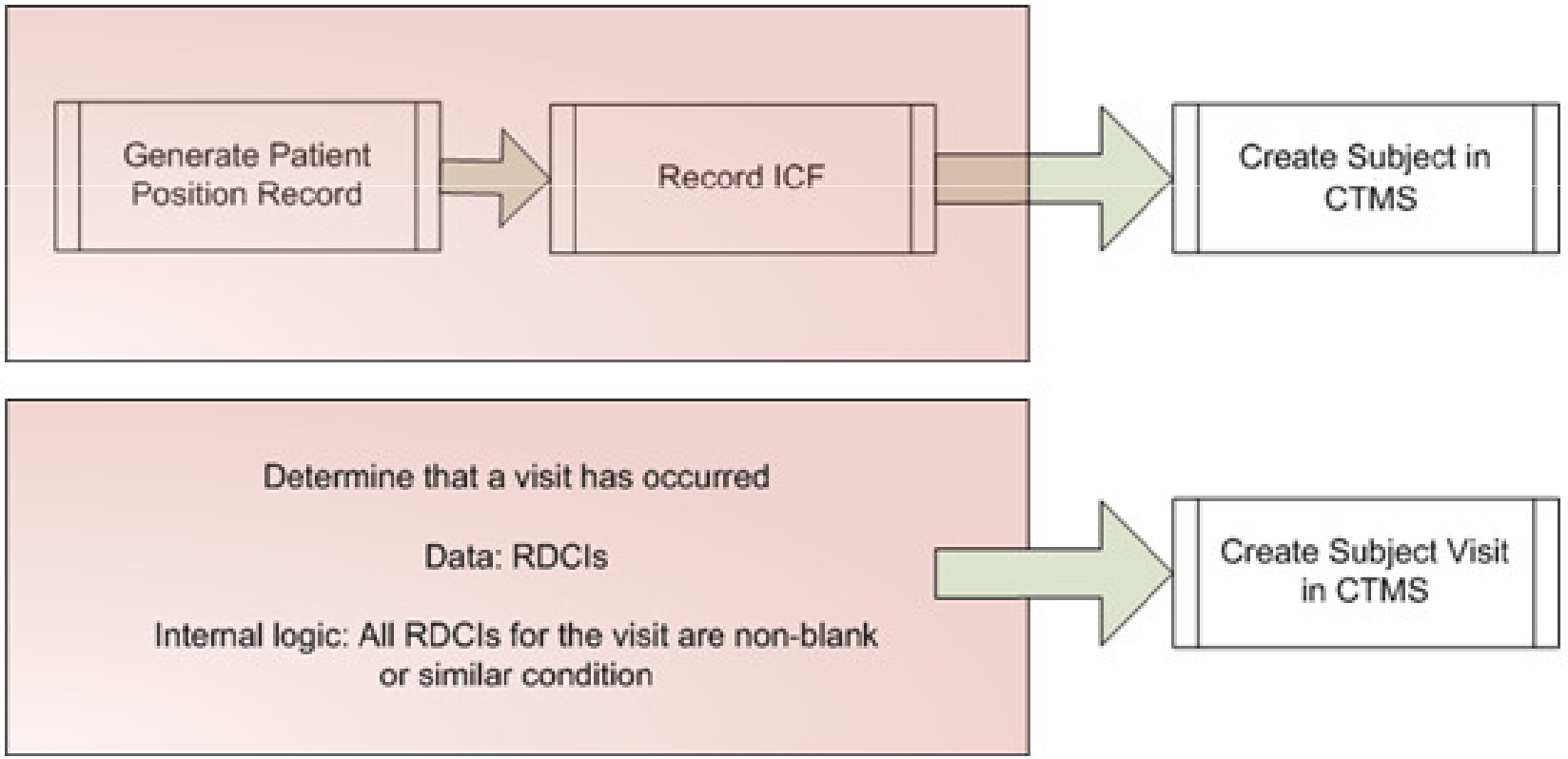
Abstracting Away the Process



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Market Alternatives

- Oracle Corporation AIA
  - Leverage existing standards (such as BPEL)
  - Use Oracle Fusion middleware
  - Allow "DIY" solutions or pre-built "PIP"s
- Cordys
  - Slightly different technology stack

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AIA View of CTMS to E-Business Suite

EBS ensures data is understood by each side

BPEL "orchestrates" the different parts of the business process

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Prerequisites

- Oracle DB 10g 10.2.0.3
- Oc4J 10.1.3.1.4
- Oracle SOA Suite version 10.1.3.1.4
- Oracle Service Registry
- JDK 1.5 with upgrade version 16
- AIA Foundation Pack

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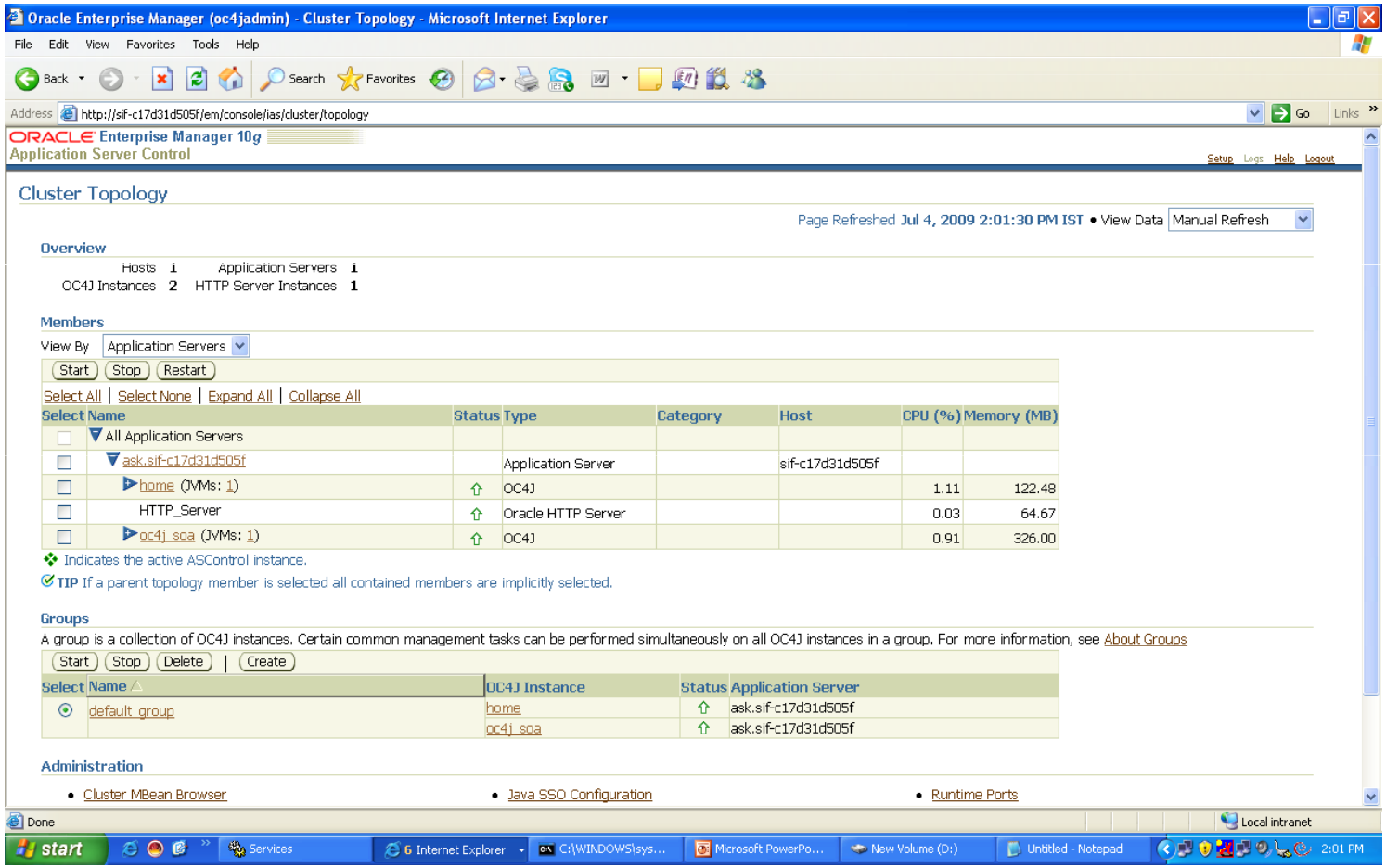
Application Server Console



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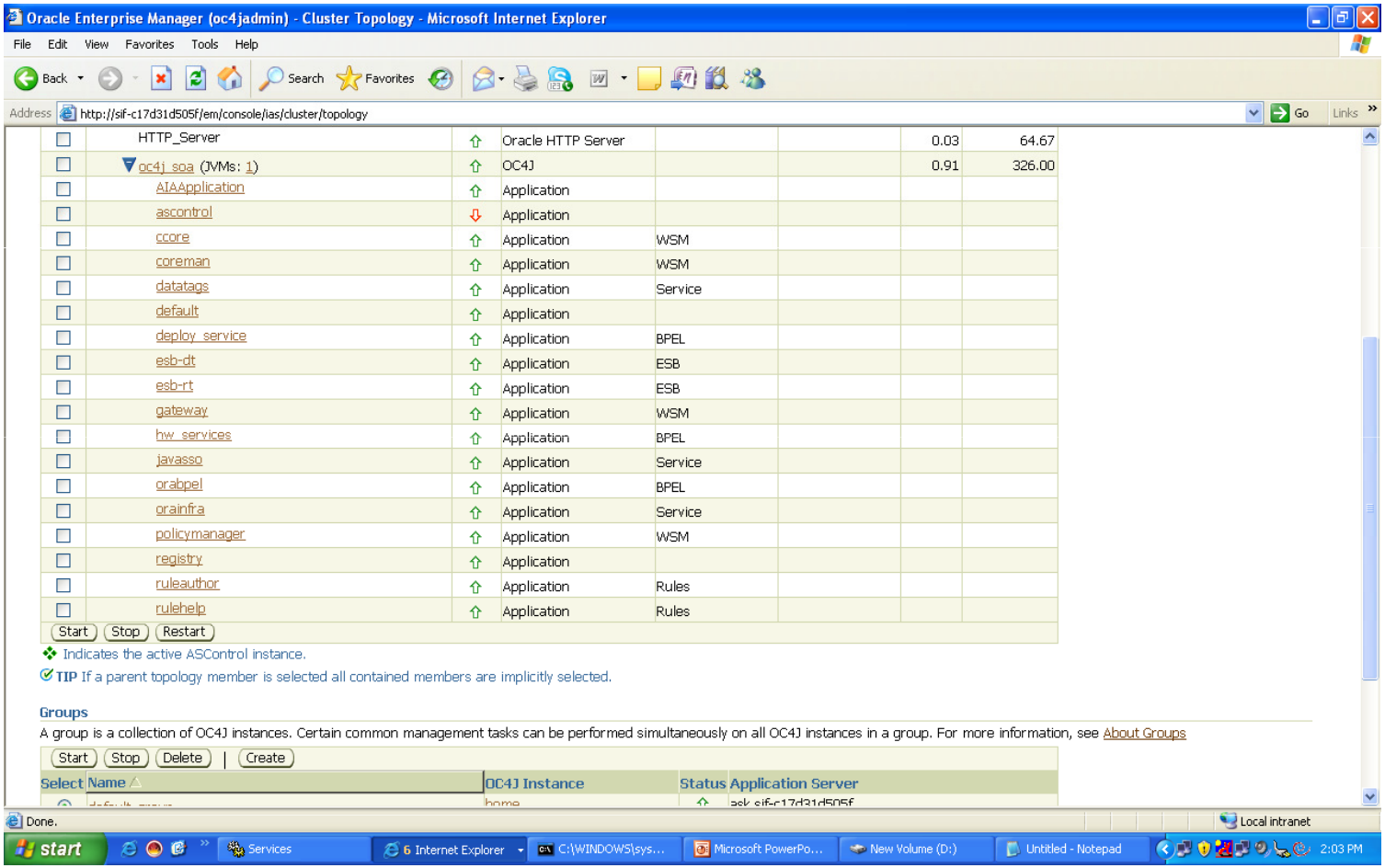
SOA Instance(oc4j_soa)



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SOA Suite 10.1.3.4

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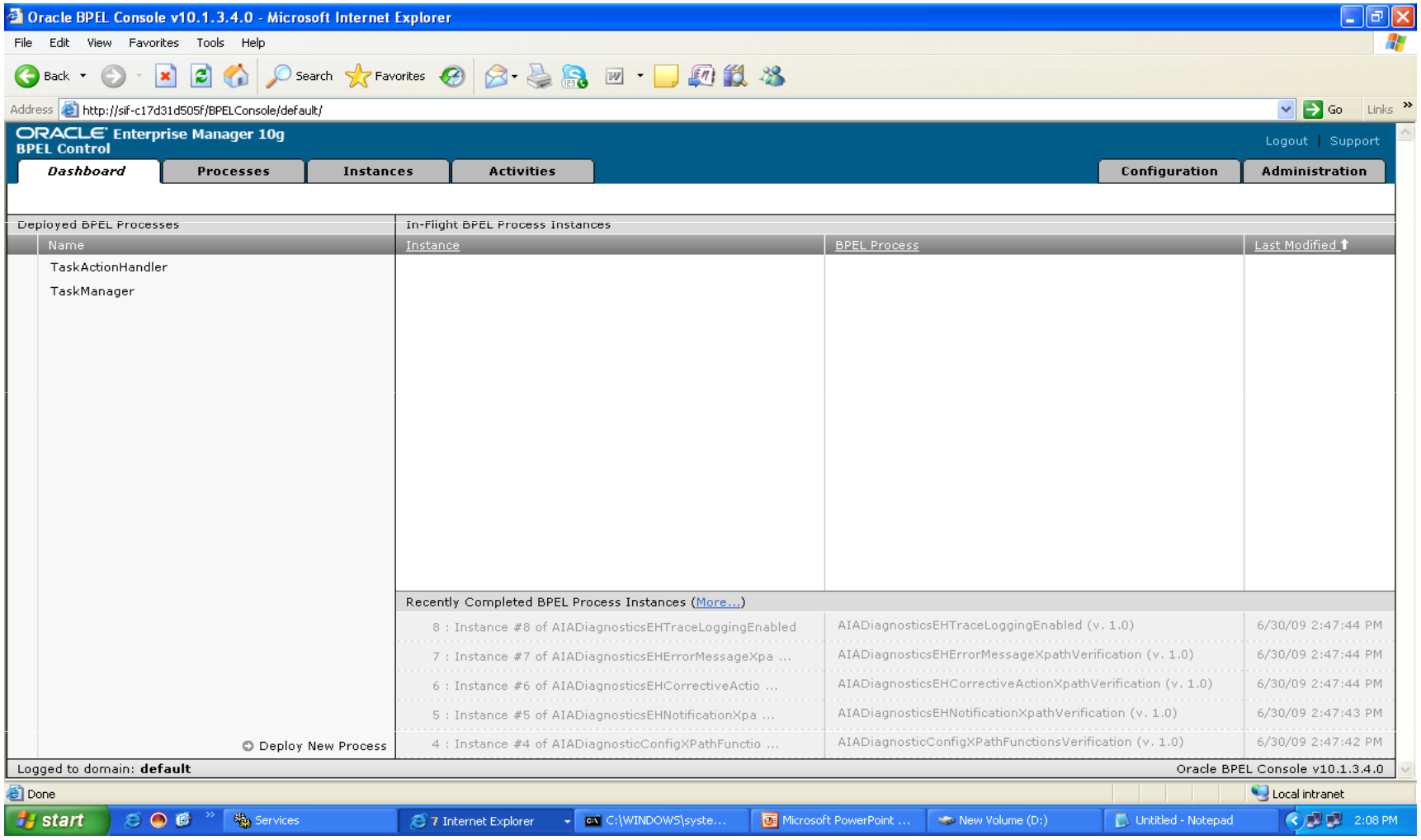
BPEL Console



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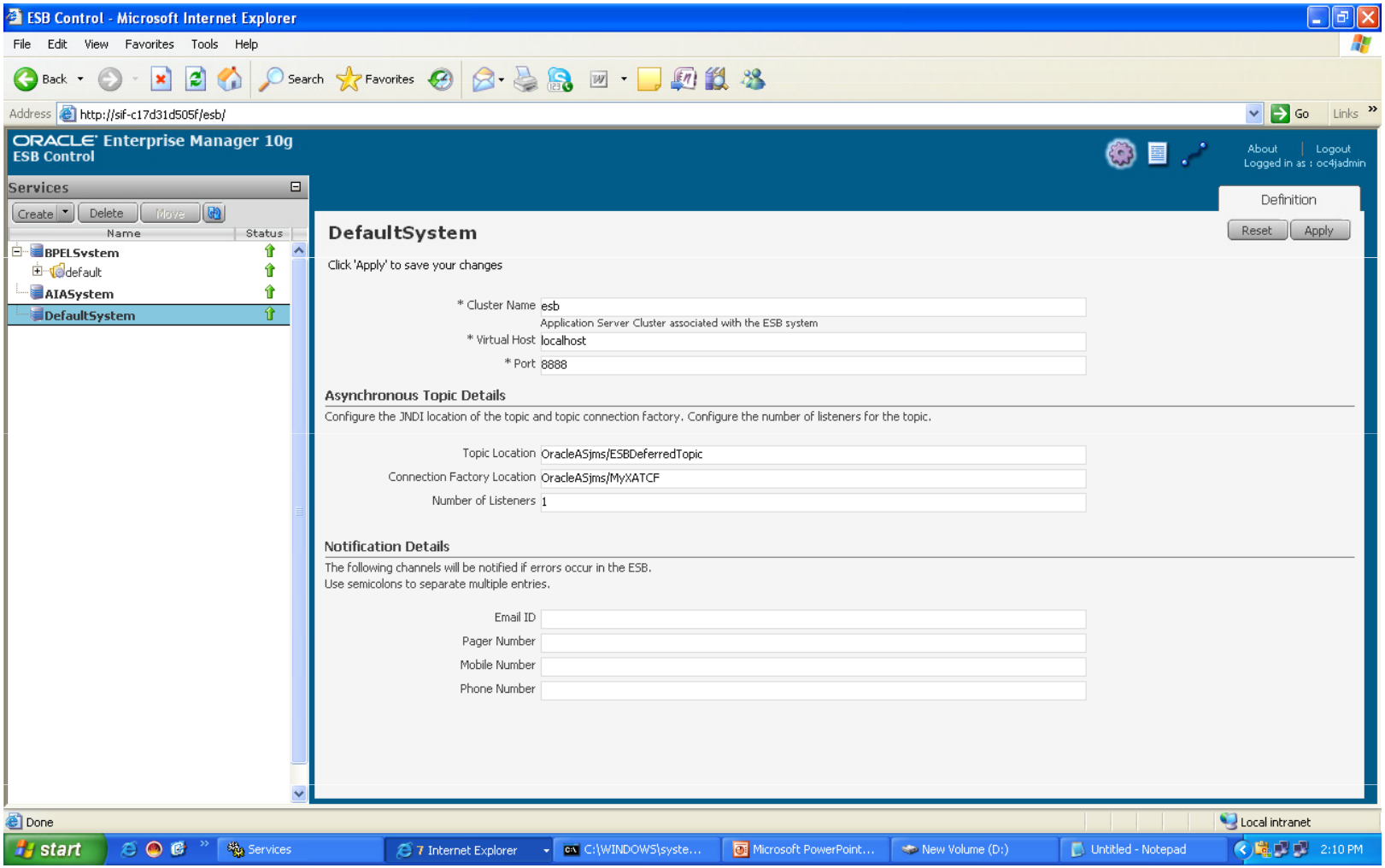
ESB Console



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OSR Console

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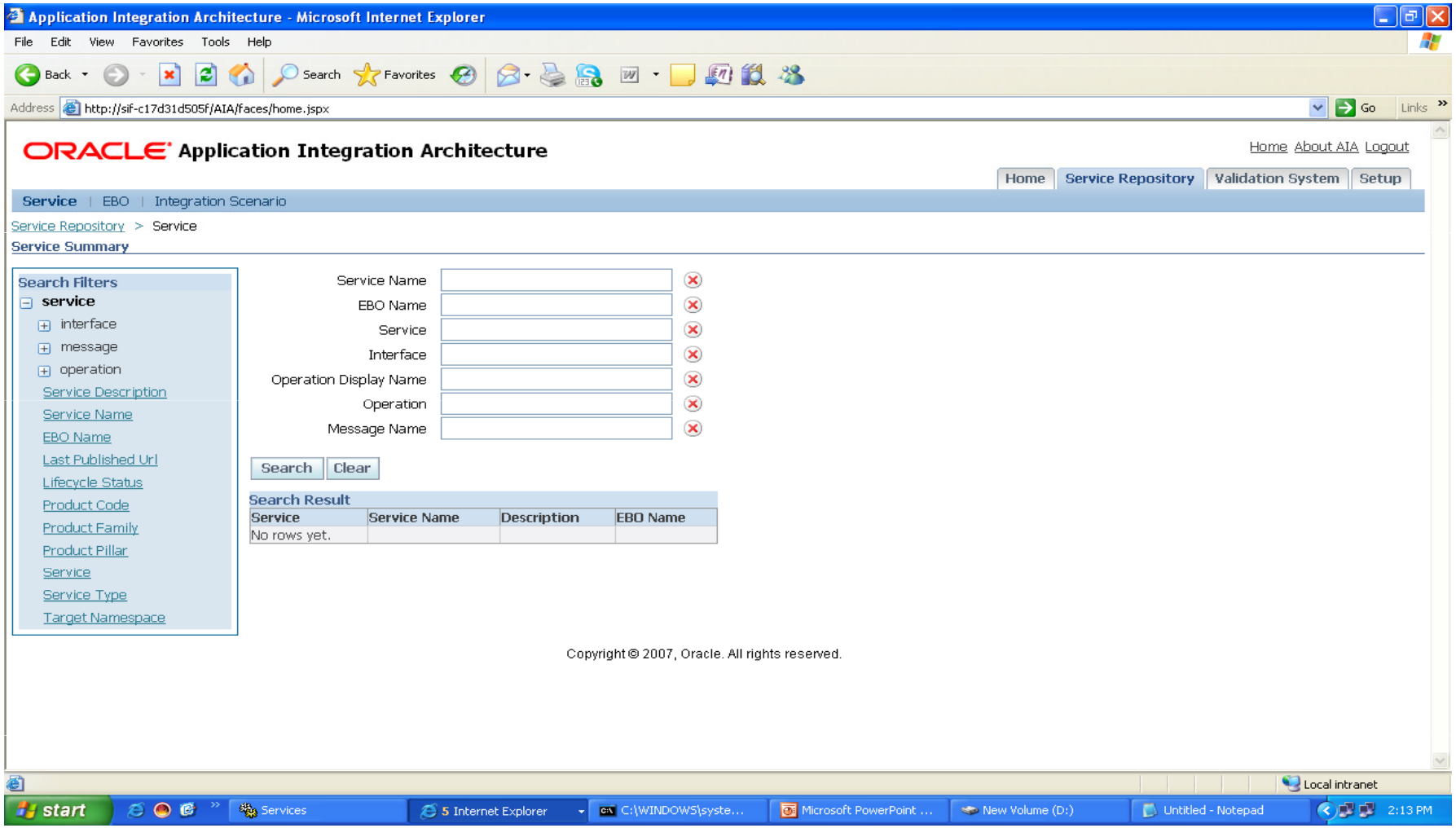
AIA Console



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Question and Answers

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Biography

Alex Platkin, Senior OLS/RDC/CTMS Global Deployment Specialist, DBMS Consulting, Inc.

- Alex is a Senior OLS/RDC/CTMS Global Deployment Specialist DBMS Consulting, with several years of Siebel business analysis and deployment experience.

Jason Essig, Senior Siebel Architect Expert, DBMS Consulting, Inc.

- Jason is a Senior Siebel Architect Expert for DBMS Consulting, with 10+ years of Siebel configuration and architecture experience.

Ahila Selvaraj, Senior OHS Developer, DBMS Consulting, Inc.

- Ahila is a Senior OHS Developer for DBMS Consulting, specializing in integration of OC to other OHS systems, with over 10 years of PL/SQL experience.

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