

Monitoring IT-DES services using Oracle Enterprise Manager

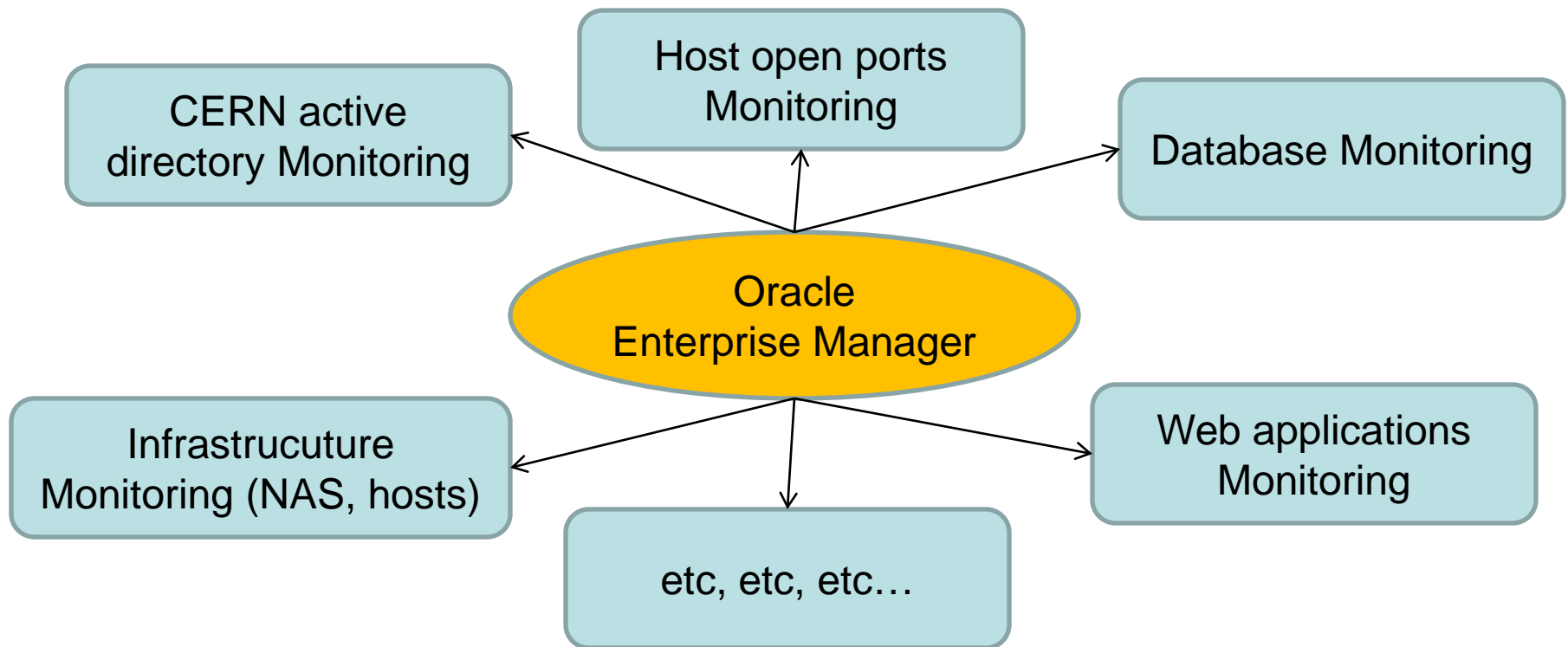


Openlab Minor Review Meeting

15 December 2009

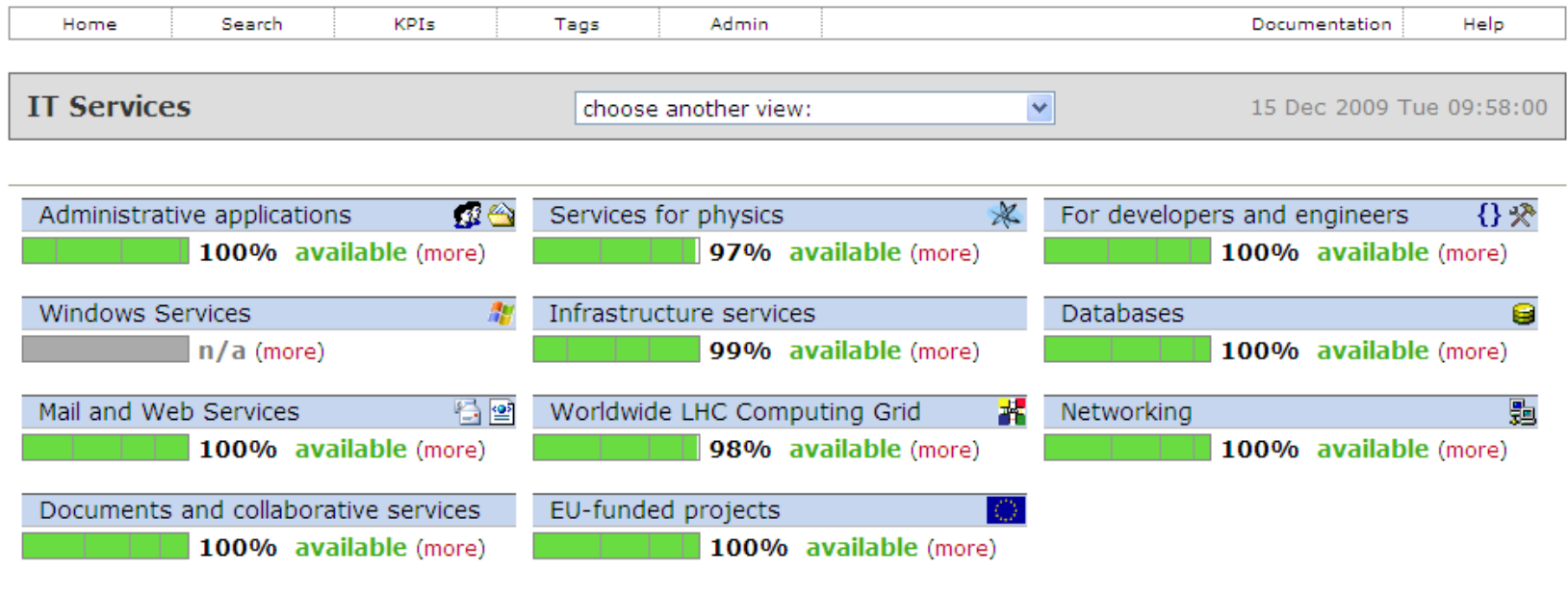
Lucia Moreno Lopez,
Juan Manuel Guijarro

- **Goal:** To centralize and standardize the monitoring of the group.

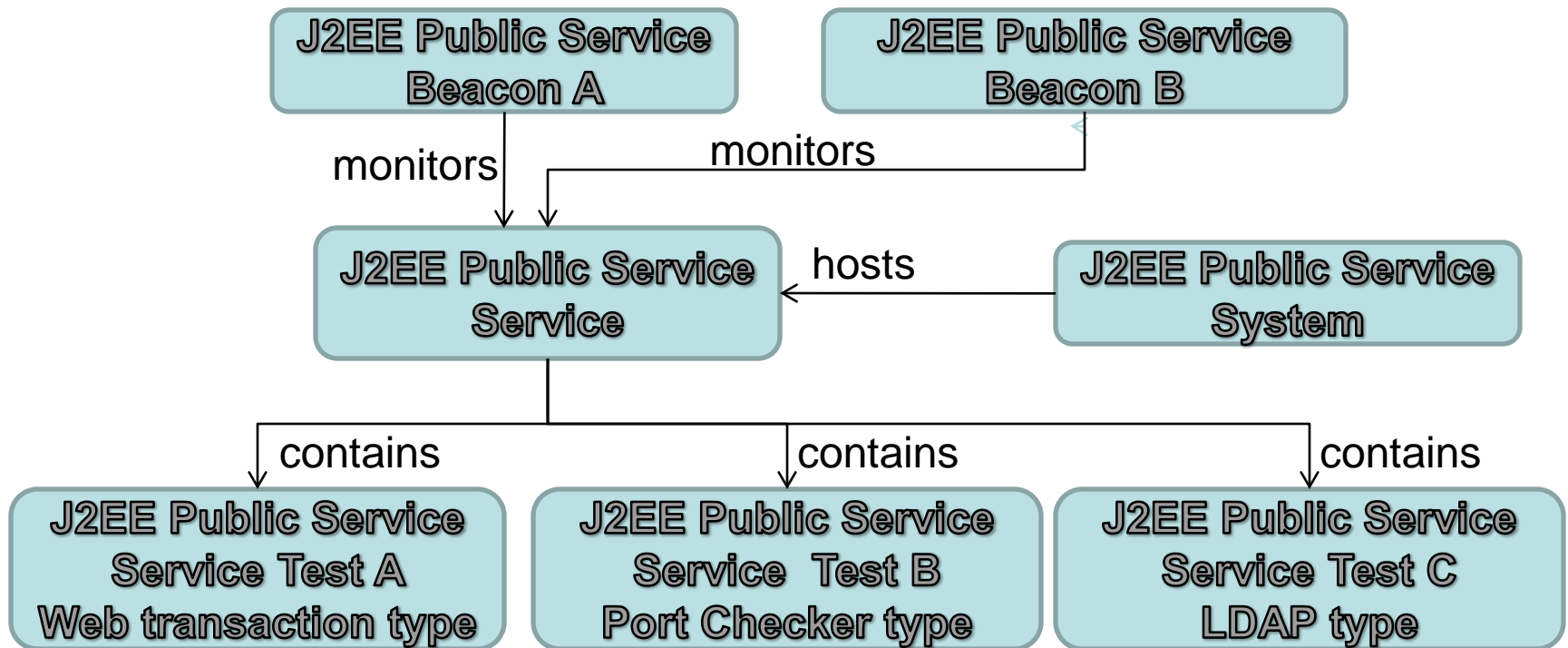


- Services already migrated:
 - J2EE Public Service
 - CERN Central SVN Service
 - TWiki - Web-based collaboration platform
 - EDMS - Engineering and Equipment Data Management Service
 - AIS - Administrative Information Services at *CERN*
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- Ongoing migration:
 - Feed from OEM to CERN SLS (Service Level Status)



- Example of the steps followed to create the services:











- OEM service tests – Used test types:
 - Web Transactions:
 - ✓ SSO: CERN authentication
 - ✓ Form authentication: AIS login
 - ✓ Realm: Tomcat Realm
 - JDBC SQL Timing
 - LDAP
 - Port Checker
 - Custom script
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OEM – Service tests and beacons

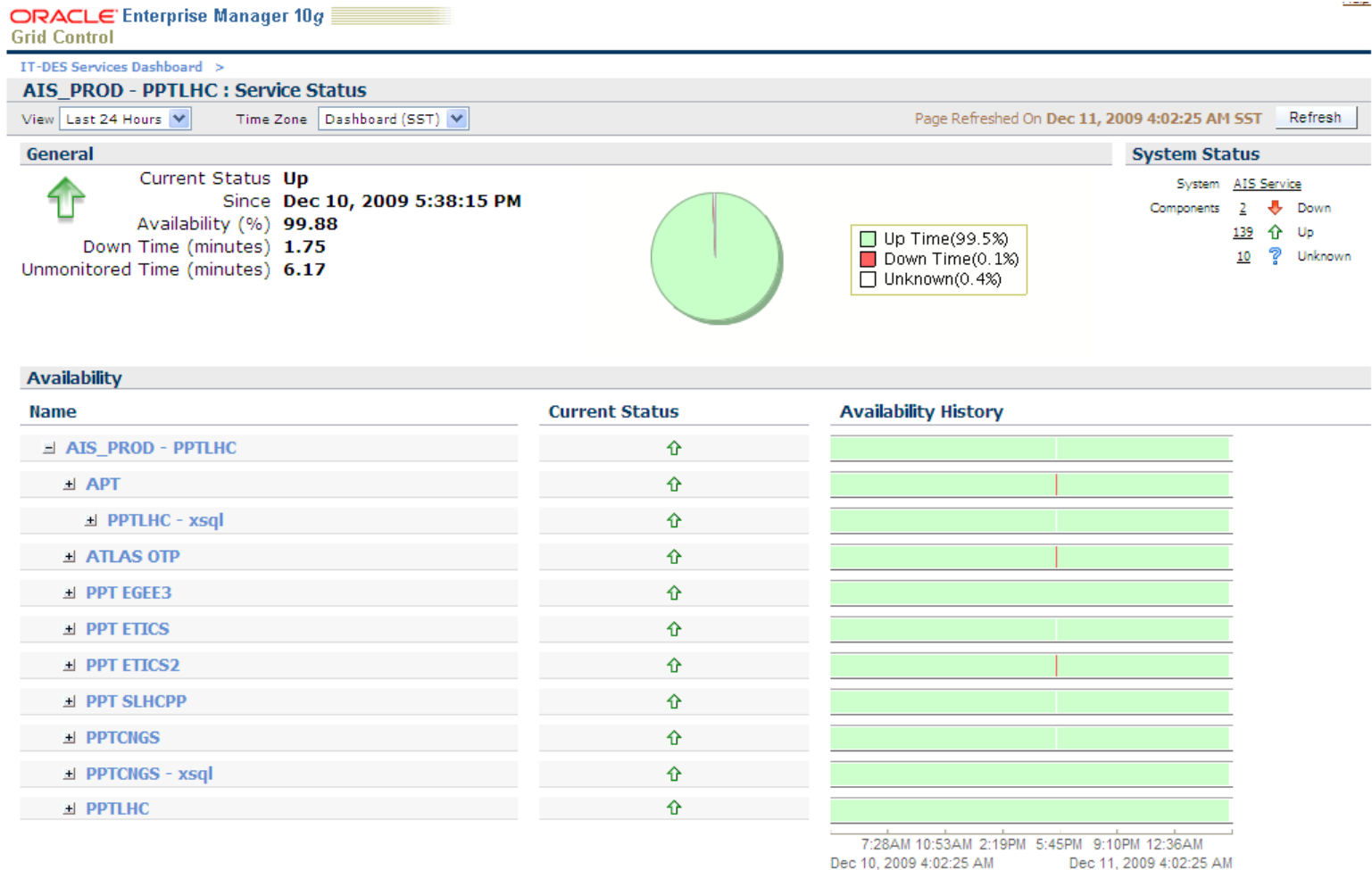
■ IT-DES Services Dashboard Report

ORACLE Enterprise Manager 10g
Grid Control

IT-DES services Dashboard									
Page Refreshed On Dec 11, 2009 3:58:51 AM SST								Refresh	
Service	Status	Performance	Components	Service Level					
				Last 24 Hours	Last 7 Days	Last 31 Days			
AIS_PROD - AISLOGIN	↑	 34.00 Perceived Time per P...	Up 2 Up	100.00%	99.72%	99.46%			
AIS_PROD - AISMEDIA	↑	 34.00 Perceived Time per P...	Up 1 Up	99.30%	99.09%	97.69%			
AIS_PROD - BAAH	↑	 35.00 Perceived Time per P...	Up 1 Up	100.00%	100.00%	99.74%			
AIS_PROD - CET	↑	 32.00 Perceived Time per P...	Up 1 Up	99.65%	99.72%	99.21%			
AIS_PROD - CFU	↑	 28.00 Perceived Time per P...	Up 1 Up	100.00%	100.00%	99.69%			
AIS_PROD - COCKPIT	↑	 33.00 Perceived Time per P...	Up 1 Up	99.65%	99.51%	97.42%			
AIS_PROD - CRA	↑	 33.00 Perceived Time per P...	Up 1 Up	100.00%	100.00%	100.00%			
AIS_PROD - EDH	↑	 37.00 Perceived Time per P...	Up 1 Up	98.95%	99.02%	98.97%			

OEM – Service tests and beacons

■ IT-DES Services Dashboard – Service PPTLHC



- IT-DES Services Notification Rules

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Preferences

[General](#)

[Preferred](#)

[Credentials](#)

[Notification](#)

[Rules](#)

[Schedule](#)

[Target Subtabs](#)

Notification Rules

Notification rules allow you to choose the targets and conditions for which you want to receive notifications from Enterprise Manager. These notifications include e-mail, SNMP traps and running custom scripts. [Revert](#) [Apply](#)

Search [Go](#) [Clear](#)

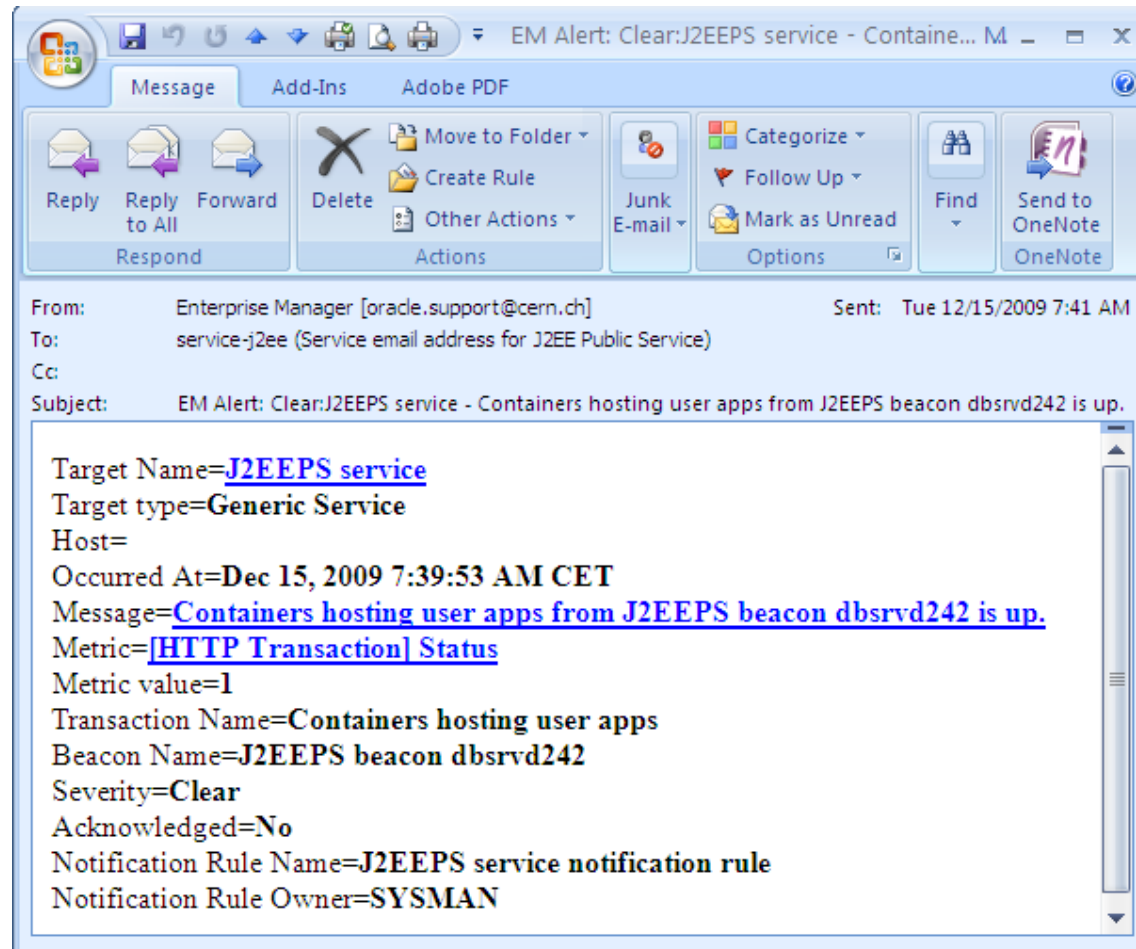
[Create Like](#) [View](#) [Edit](#) [Delete](#) | [Create](#) [Assign Methods to Multiple Rules](#)

Select	Name ▼	Owner	Description	Public	Subscribe (Send E-mail)
<input checked="" type="radio"/>	TWiki service notification rule	SYSMAN		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="radio"/>	SVN service notification rule	SYSMAN		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="radio"/>	OMS service initialization errors	SYSMAN	System-generated notification rule for monitoring OMS service initialization errors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	J2EEPS service notification rule	SYSMAN		<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	AIS_PROD service notification rule	SYSMAN		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

[Revert](#) [Apply](#)

OEM – Service tests and beacons

- IT-DES Services Notification Rules



- High availability monitoring by using various beacons to monitor each service
 - Better understanding of the infrastructure by using the Service-System concept
 - Easy creation of Web transactions thanks to the Replay/Record Web Transaction features
 - Single point to monitor the database infrastructure and services.
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