



IBM Software Group



IBM WebSphere Service Registry & Repository

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IBM WebSphere Service Registry & Repository Capabilities

WebSphere Service Registry and Repository Capabilities



Publish



Find



Agility



Manage



Govern

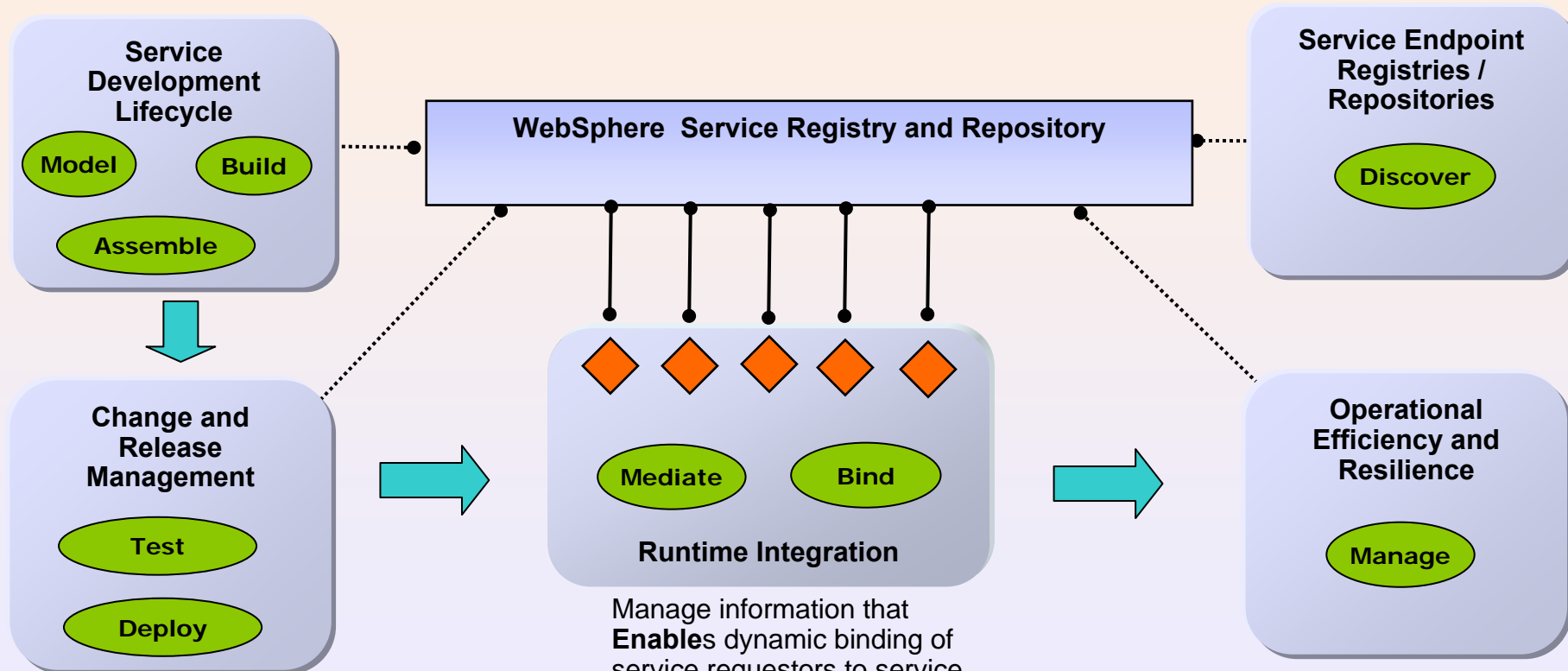
Answers... What?... Where?... Why?... How?... of services in your SOA

WebSphere Service Registry & Repository Solution View

Discover and reuse services that could serve as building blocks for new composite applications.

Publish newly developed services.

Discover services from other registries or deployed environments ready for harvesting into the SOA lifecycle.

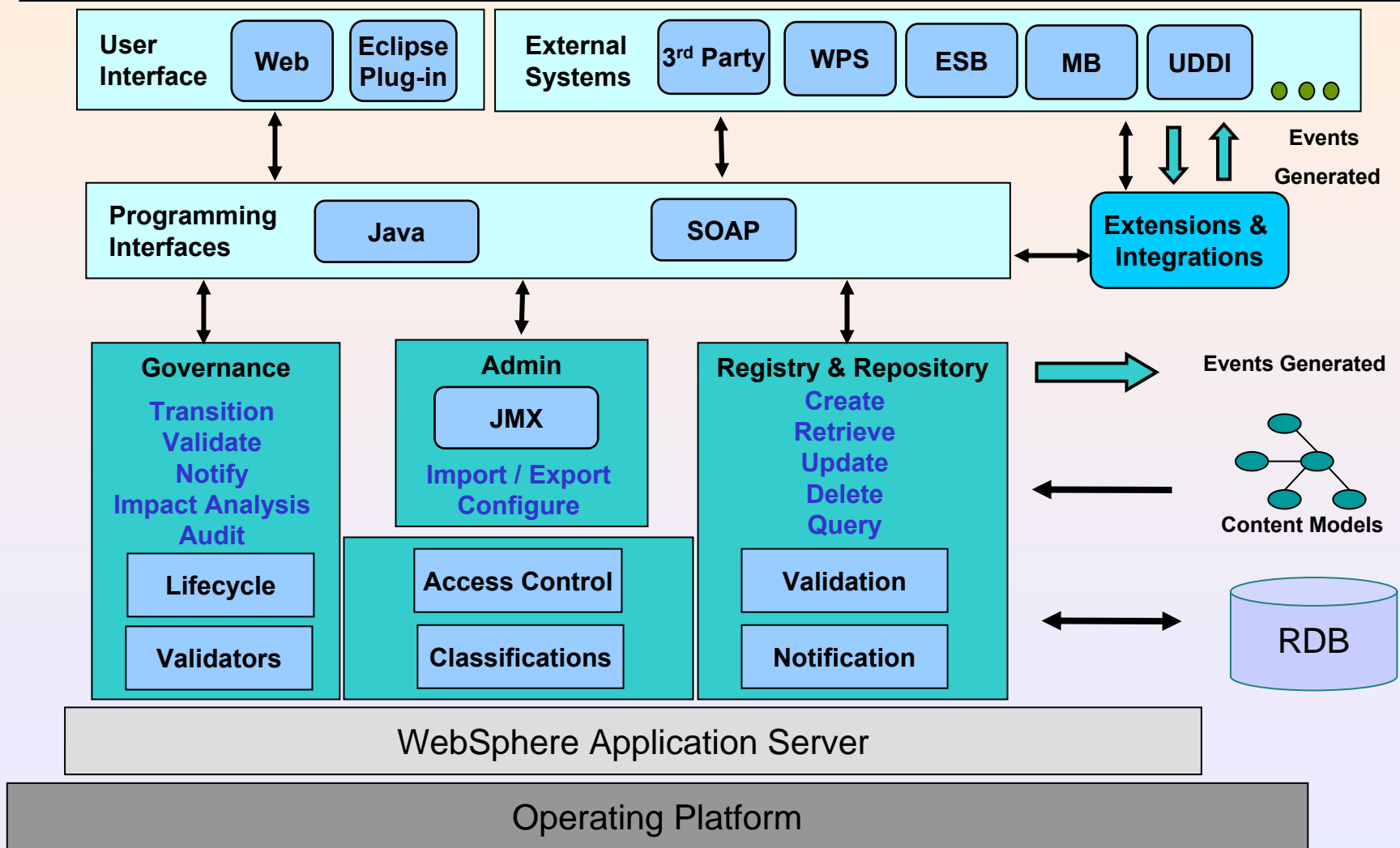


Govern deployed services to ensure changes are authorized and service integrity is maintained. **Notify** clients of changes.

Manage information that **Enables** dynamic binding of service requestors to service providers and allows the infrastructure to enforce registered policies.

Manage efficiency by providing detailed information about service interaction endpoints being monitored.

WebSphere Service Registry & Repository Architecture



WebSphere Service Registry & Repository Content Model

Service Description Entities

Physical Documents

- WSDL
- XSD
- WS-Policy
- XML - *User-defined Documents*
-

Logical derivations

- | | |
|-------------|------------|
| ▪ Interface | ▪ Service |
| ▪ Operation | ▪ Binding |
| ▪ Message | ▪ Endpoint |
| ▪ Type | ▪ |

Concepts

- *User-defined by classification*
- Business Application
- Business Process
- Governed Collection
- External reference
-

Service Description Metadata

Properties

- name
- namespace
- version
- description
- modifiedDate

- name
- namespace
- *User-defined*
- *metrics*

- *User-defined*
- owner
- *externalURL*

Relationships

- imports
- includes
- predecessor
- *User-defined*

- derivedFrom
- operations
- messages
- *User-defined*

- *User-defined*
- *dependantServices*
- *serviceInterface*
- *governedEntities*
- *policies*
-

Classifications

- *User-defined States*
 - *Created*
 - *Approved*
 - *Published*
 - *Operational*
- *User-defined Environments*
 - *Development*
 - *Test*
 - *Approval*
 - *Production*
- *User-defined Concepts*
 - *Application*
 - *Process*
 - *Capability*
- *Standard Ontologies*
 - NAICS
 - UNSPSC
 - ISO3166

All plans and proposed features subject to change

WebSphere Service Registry & Repository Perspectives

User Role

Analyst

Business Analyst: Understand customer and business needs and identify areas where business processes can be optimized to better serve those needs.

Architect

Enterprise Architect: Provide overall leadership for all architectural and technological matters with respect to the company's IT environment.
Solution Architect: Architect the complete solution with end-to-end responsibility.

Developer

Component Developer: Create individual modules of software intended to be integrated into and reused across multiple applications
Integration Developer: Create new business function by combining existing components

Test Engineer

Test Engineer: Overall responsibility for the design, implementation, and evaluation of the test architecture.

Deployer

Release Deployer: Install and deploy newly developed or modified business solutions (releases) into an organization's existing IT infrastructure.
Configuration Manager: Ensure integrity, accuracy, and timely availability of configuration information for operational use

Administrator

Asset Manager: Identify, collect, maintain, and report inventory of IT assets throughout their lifecycle.
IT Administrator: Ensure optimum performance of all operational processes and procedures.

Operator

IT Operator: Monitor running systems and report abnormalities.
Business Operations Manager: Lead analysis of the existing business process and have input into the future business process model.

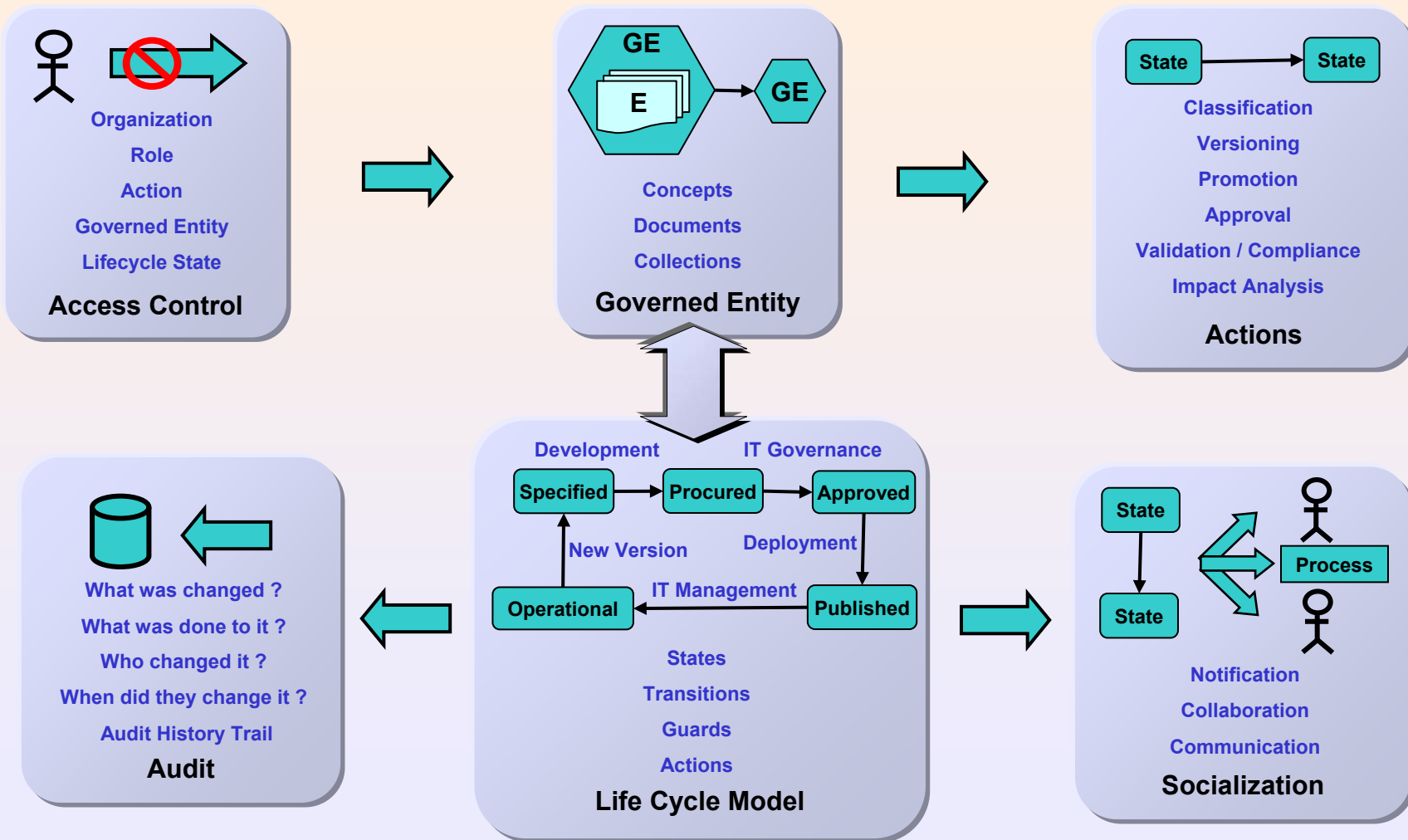
Content Perspective

Concepts Logical Documents

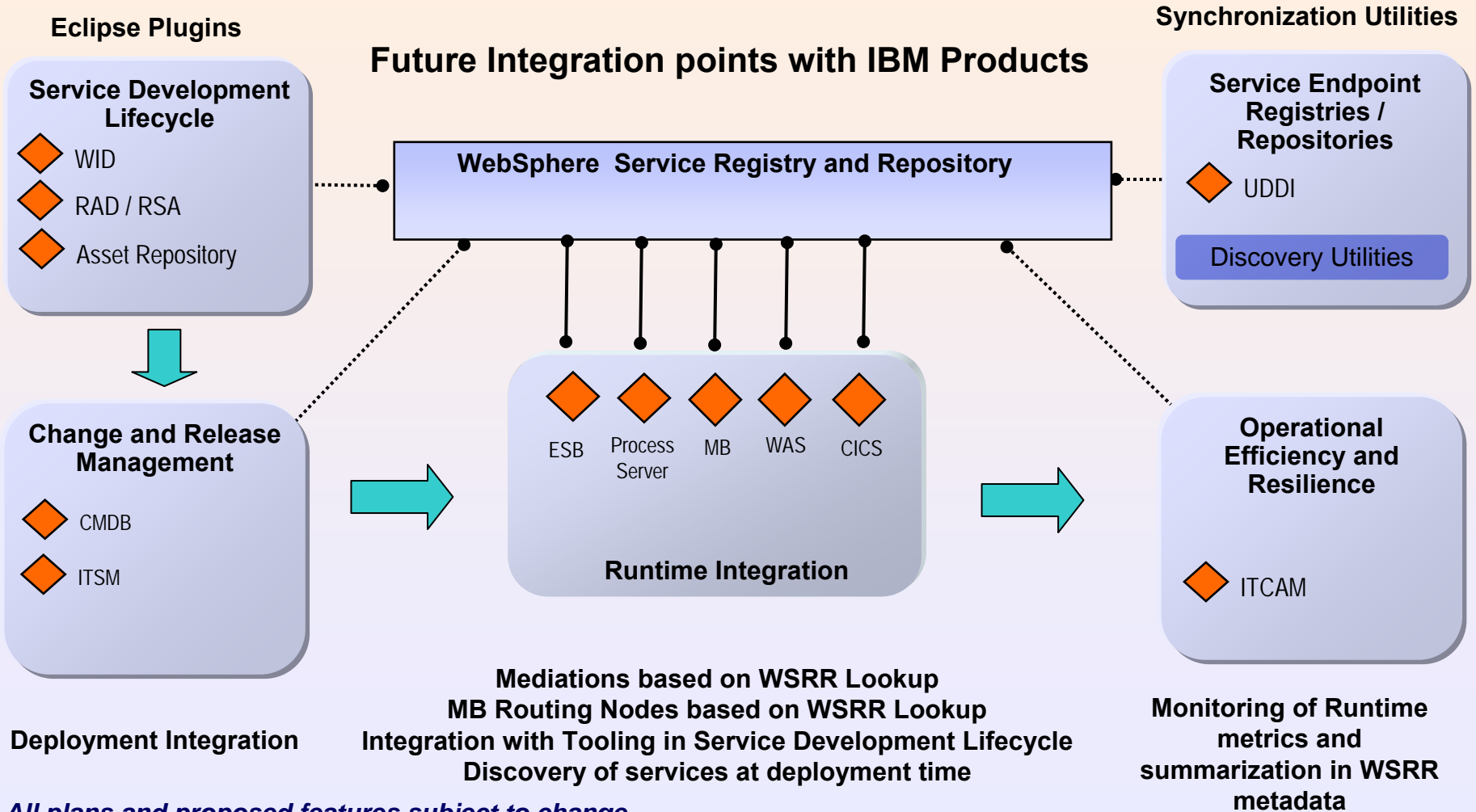
- Business Applications & observed metrics
- Business Processes & observed metrics
- Business Services & observed metrics
 - Business Objects
 - Interface standards
 - IT policies – security, reliability
- Mapping to Logical and Documents
 - Reusable Interfaces
 - Reusable services
 - Technical Assets
 - WSDL, XSD
 - Developed Services
 - Services for Testing
 - Dependencies for testing
 - Update of testing status / lifecycle
 - Asset deployment
 - WSDL, XSD, Policy
- Relate Concept, logical to deployed asset
- Update Governance Lifecycle of concept
 - Update lifecycle of documents ...
 - Promote to environments
 - Maintain operational services
 - Technical QoS and SLA monitoring
 - Optimize performance through monitored metrics
- Business QoS and SLA monitoring
- Update Business metrics and reporting
- Monitor Business Governance policies

All plans and proposed features subject to change

WebSphere Service Registry & Repository Governance



WebSphere Service Registry & Repository Integration



All plans and proposed features subject to change

धन्यवाद

Hindi

多謝

Traditional Chinese

ขอบพระคุณ

Thai

Merci

French

Спасибо

Russian

Gracias

Spanish

நன்றி

Tamil

شكراً

Arabic

Thank You

English

Obrigado

Brazilian Portuguese

Grazie

Italian

Danke

German

多谢

Simplified Chinese

ありがとうございました

Japanese

감사합니다

Korean

감사합니다



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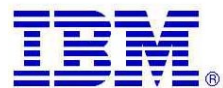
Closing Slide

Questions





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Last Slide



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