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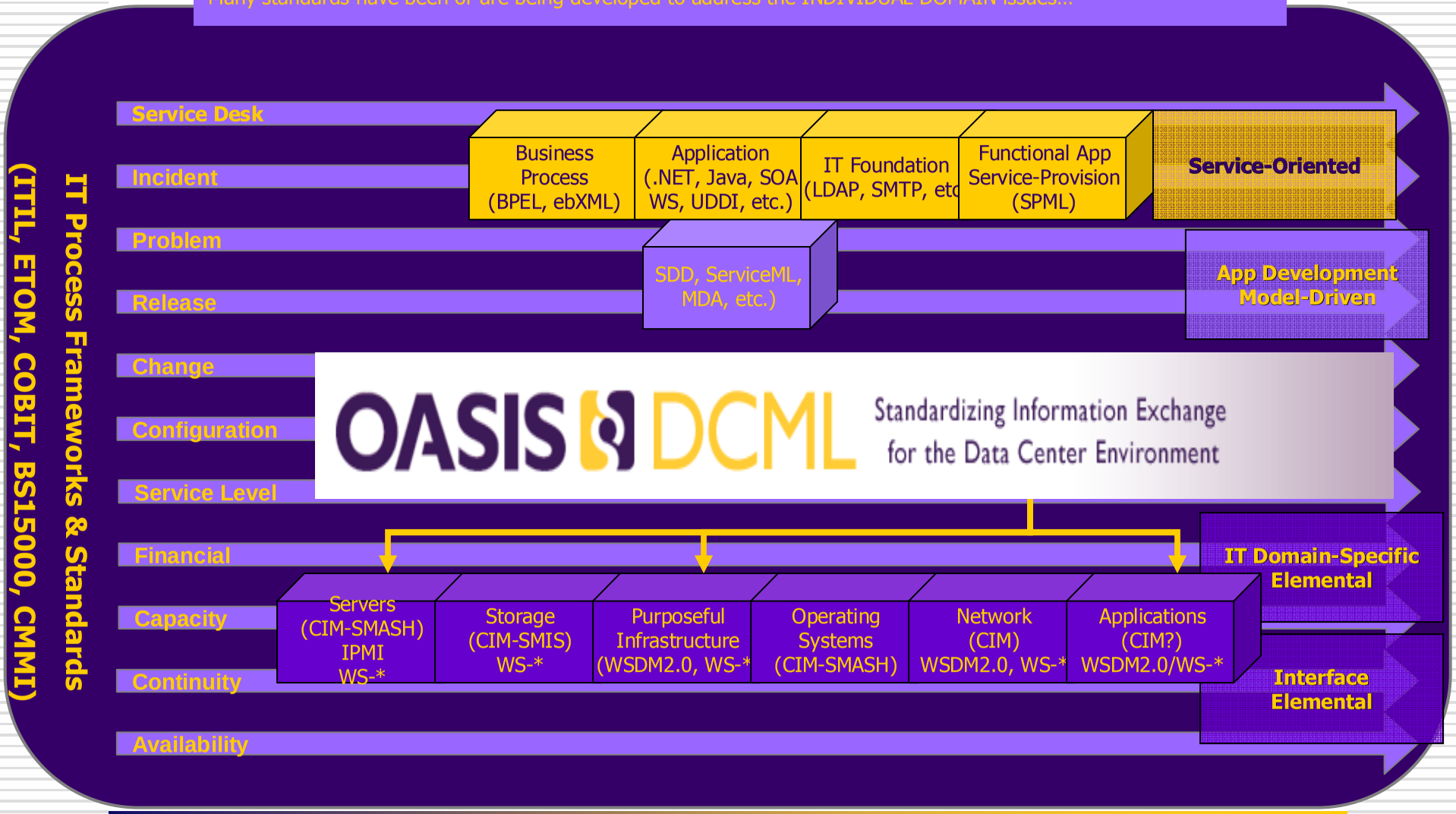
Industrial Enterprise Management Standardization Has Varying Domain-Based Initiatives to Address Its Dimensions…

Many standards have been or are being developed to address the INDIVIDUAL DOMAIN issues…



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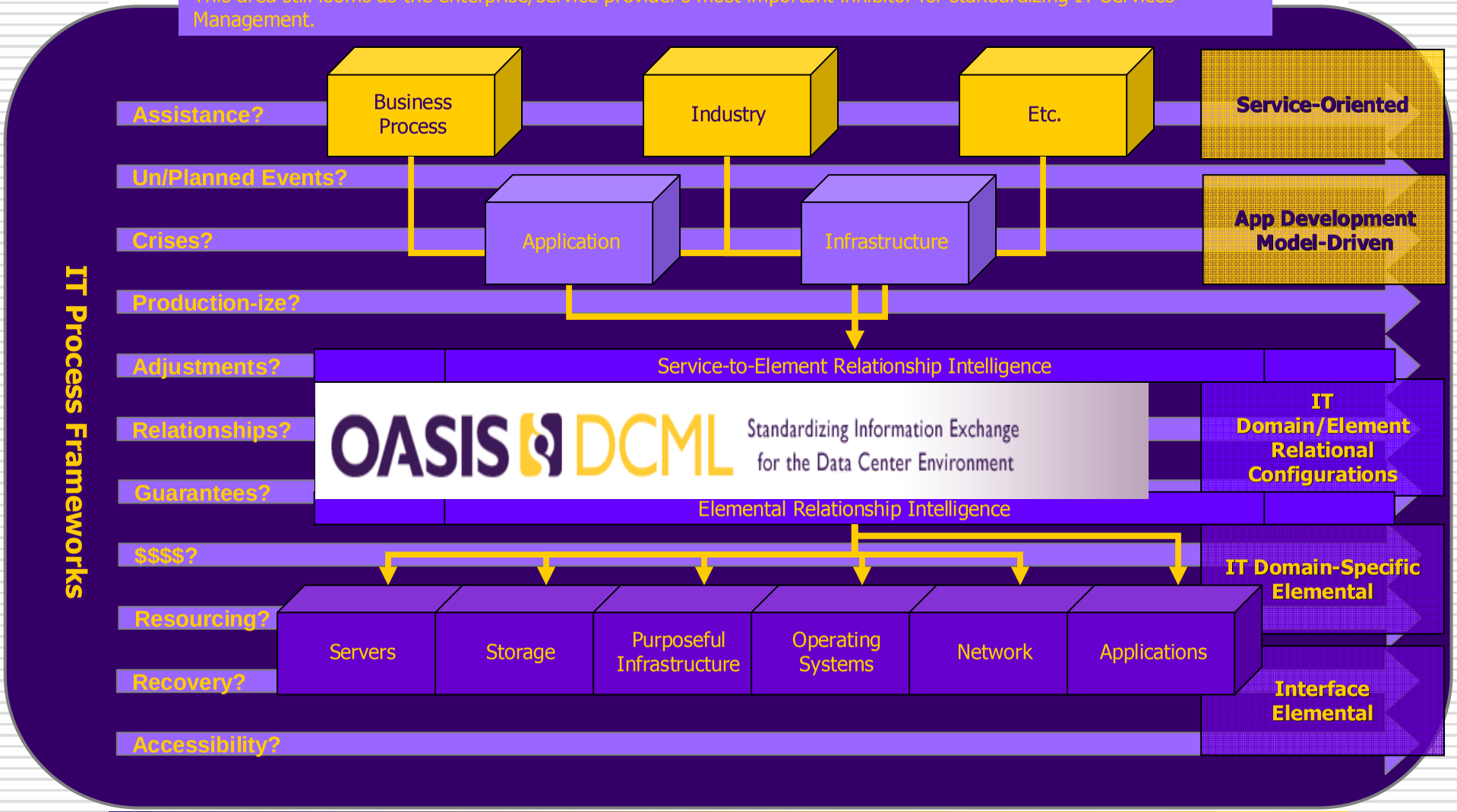
But, There is STILL Confusion with Possibly The Most Important Dimension – Interrelationships, Aggregations, Configurations, and Dependencies…

This area still looms as the enterprise/service provider's most important inhibitor for standardizing IT Services Management.



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Dimensions Of Industrial Enterprise Management

- Interface Elemental
  - Base management functionality for a particular technology castle (i.e., storage, network, systems, etc.) for interface-based management
- Domain-Specific and Domain Elemental
  - Management functionality across a domain at the session level (network, storage, systems, etc.)
- Inter-Relational/Orchestrational
  - Management BETWEEN/AGGREGATING one or more dimensions of enterprise management
- App Development/Model Driven
  - Modeling for the purposes of creating operational state and desired constraints and policies in the orchestration dimension
- Service Oriented
  - Management at the application services level
- Process Frameworks
  - End-to-end process frameworks for the purposes of operational and business management
- Business Process Oriented
  - Composite processes at the business to industry dimension
- Industry Specific
  - Business sector management and comprehension

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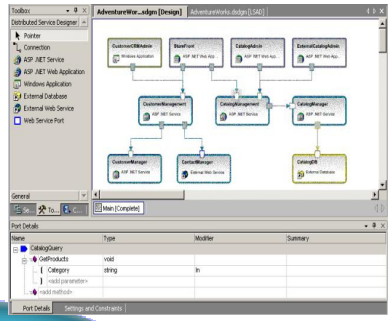
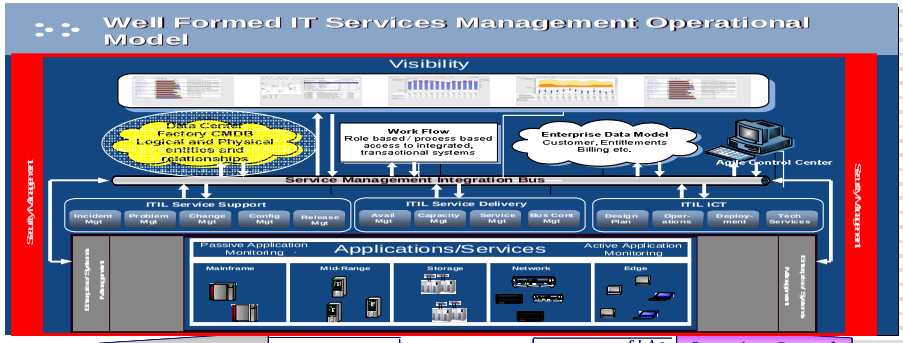
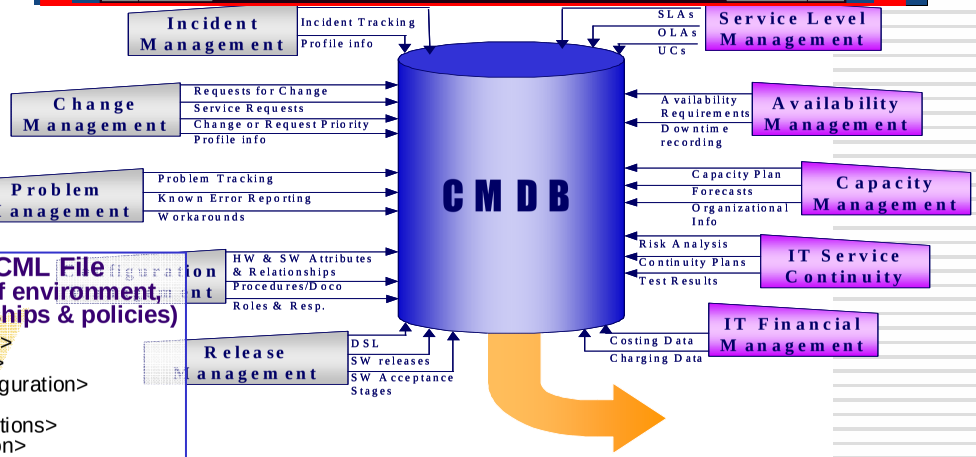
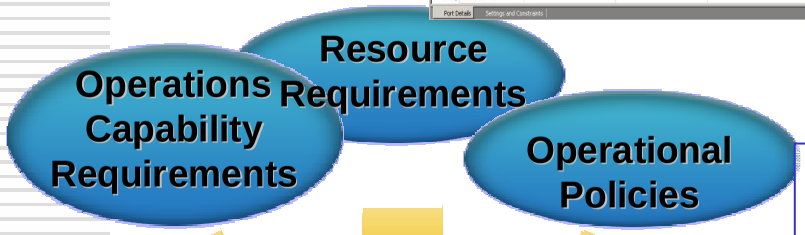
ServiceML-DCML Integration Ecosystem

Create a model of a new or existing Application or Service





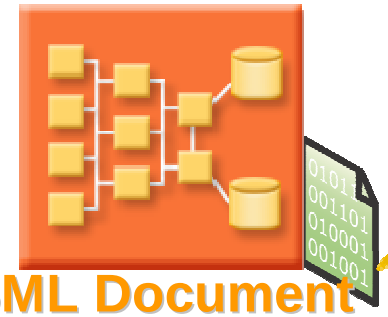




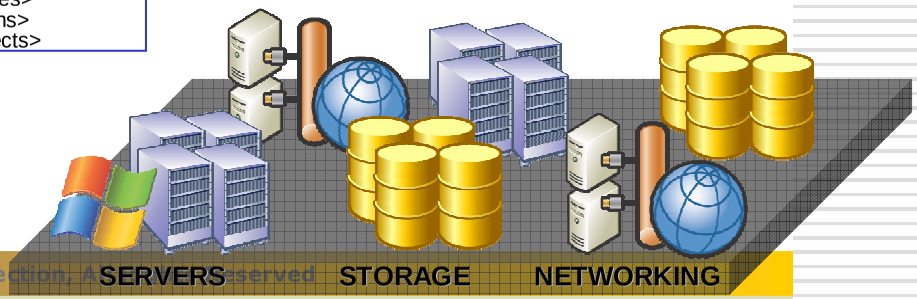
DCML File
(XML of environment, relationships & policies)

```
<hardware>
<software>
    <configuration>
<network>
<configurations>
<application>
    <tier 1> <tier 2> <tier 3>
    <relationships>
        <requires>
        <contains>
        <connects>
```

Metadata Flow



SML Document



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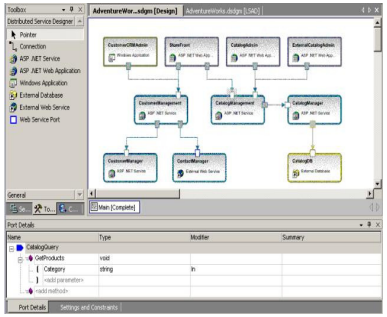
Application Architects Create SML-Enabled Models With Metadata IT Services Feeds From…

Create a model of a new or existing Application or Service



Model Reuse Library

Resource Requirements

Management Interfaces

Operational Requirements

Operational Metadata Flow

Deployment Interfaces

Deployment Values

Application Architect

SML Document

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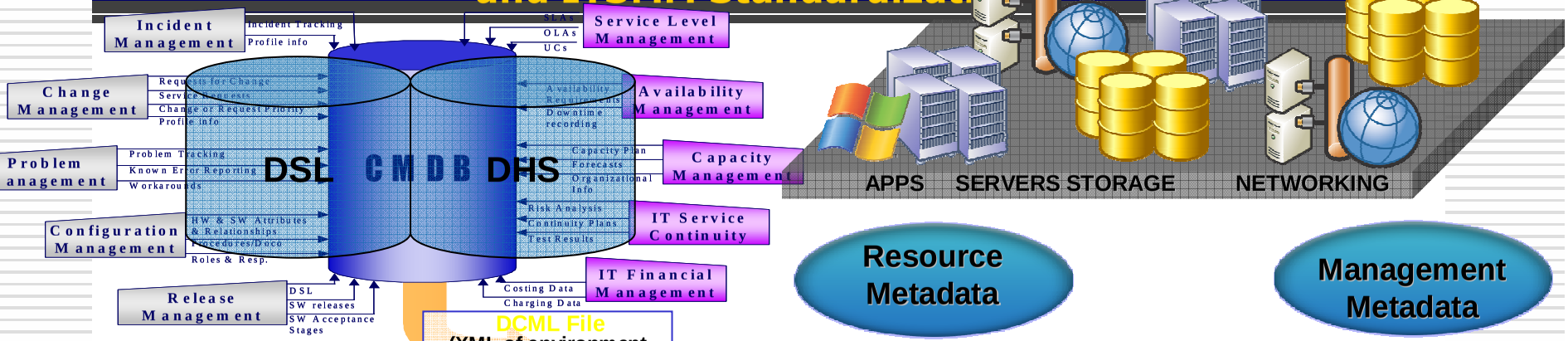
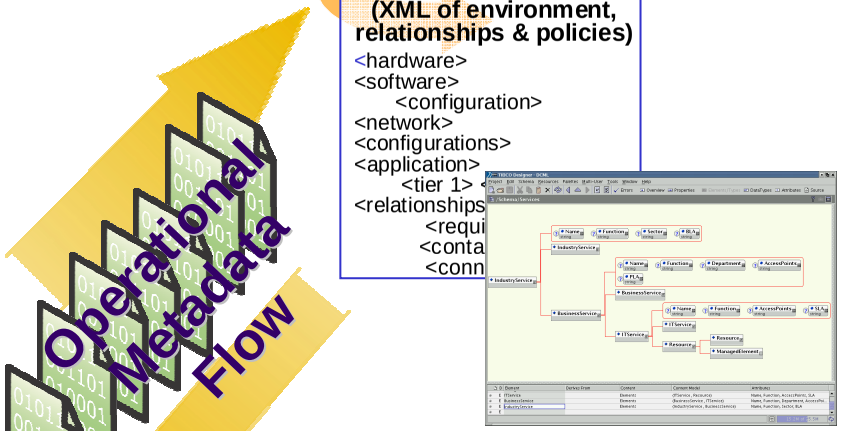
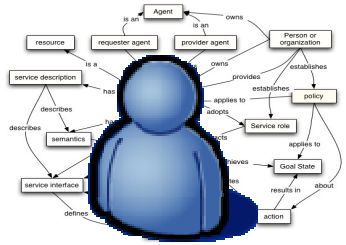
Enterprise or IT Provider Operational Models, Whose Integration Teams Pre-Integrate and Operationalize Resources Using DCML and ITSMM Standardizati





Operational Metadata Flow



Resource Metadata

Management Metadata

Operational Interrelationships

Application-to-Service Deployment Interfaces

Integrate Resources Into the Target Operational Model/CMDB

ITSMM Architect

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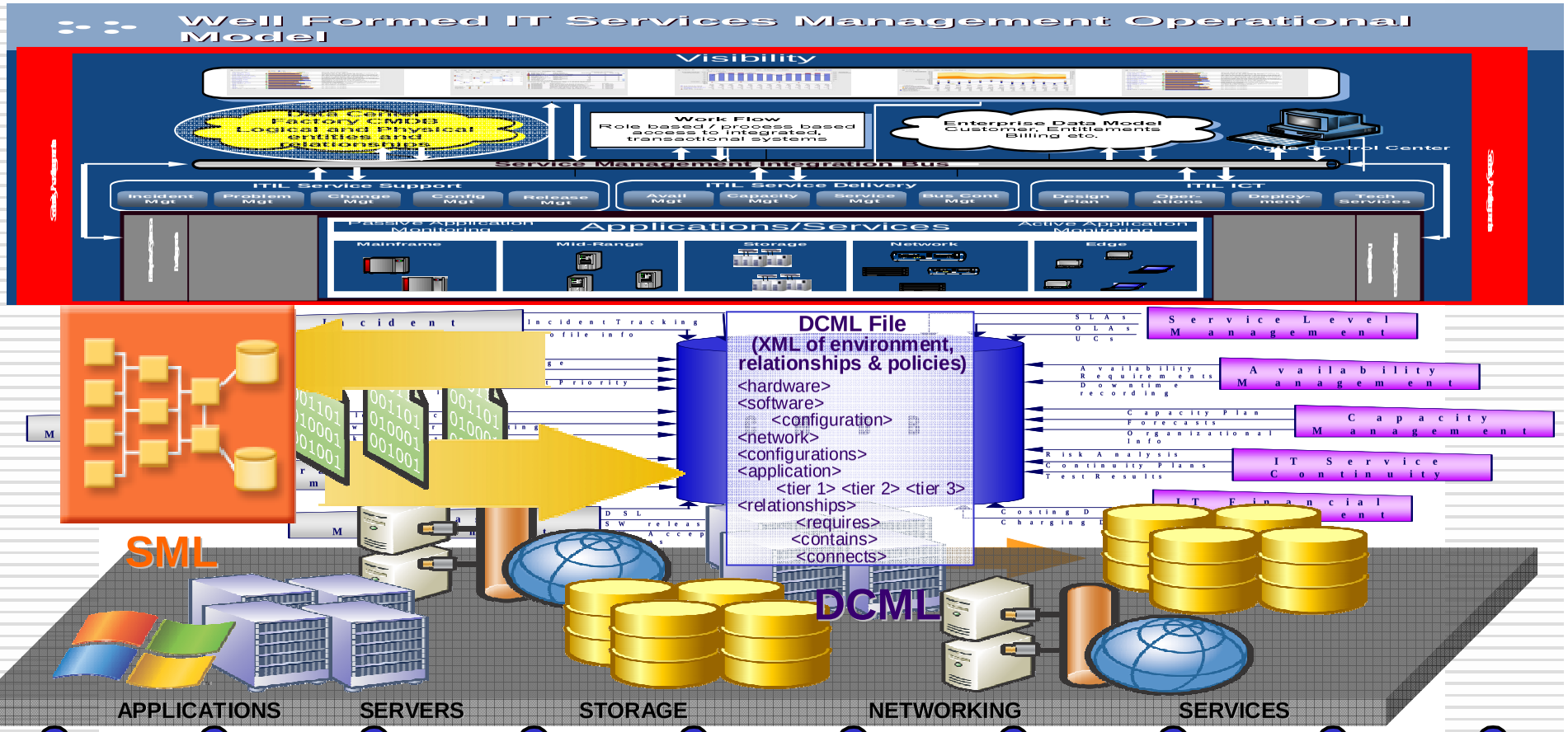
Both Used By Management and Monitoring Teams to Operate Production Services Through Their Lifetime



Enterprise and Service Provider Monitoring and Management Teams

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