dcml Data Center Markup Language

DCML ORGANIZATION RELEASES DRAFT 1.0 FRAMEWORK SPECIFICATION

Louis Blatt, President, DCML

Darrel Thomas, Board Director and Secretary, DCML

TCP/IP Provided Common Communication

- **Before TCP/IP…**
- Too many communication protocols
  - IBM SNA, IBM LU6.2, DEC DECnet, IBM NetBIOS, IBM/Microsoft NetBEUI, Novell IPX, Mac AppleTalk, …
  - No universal language
- **TCP/IP came along and boom, Internet**
- Common language unleashed latent power
- Now everything speaks TCP/IP

HTML Provided Common Content

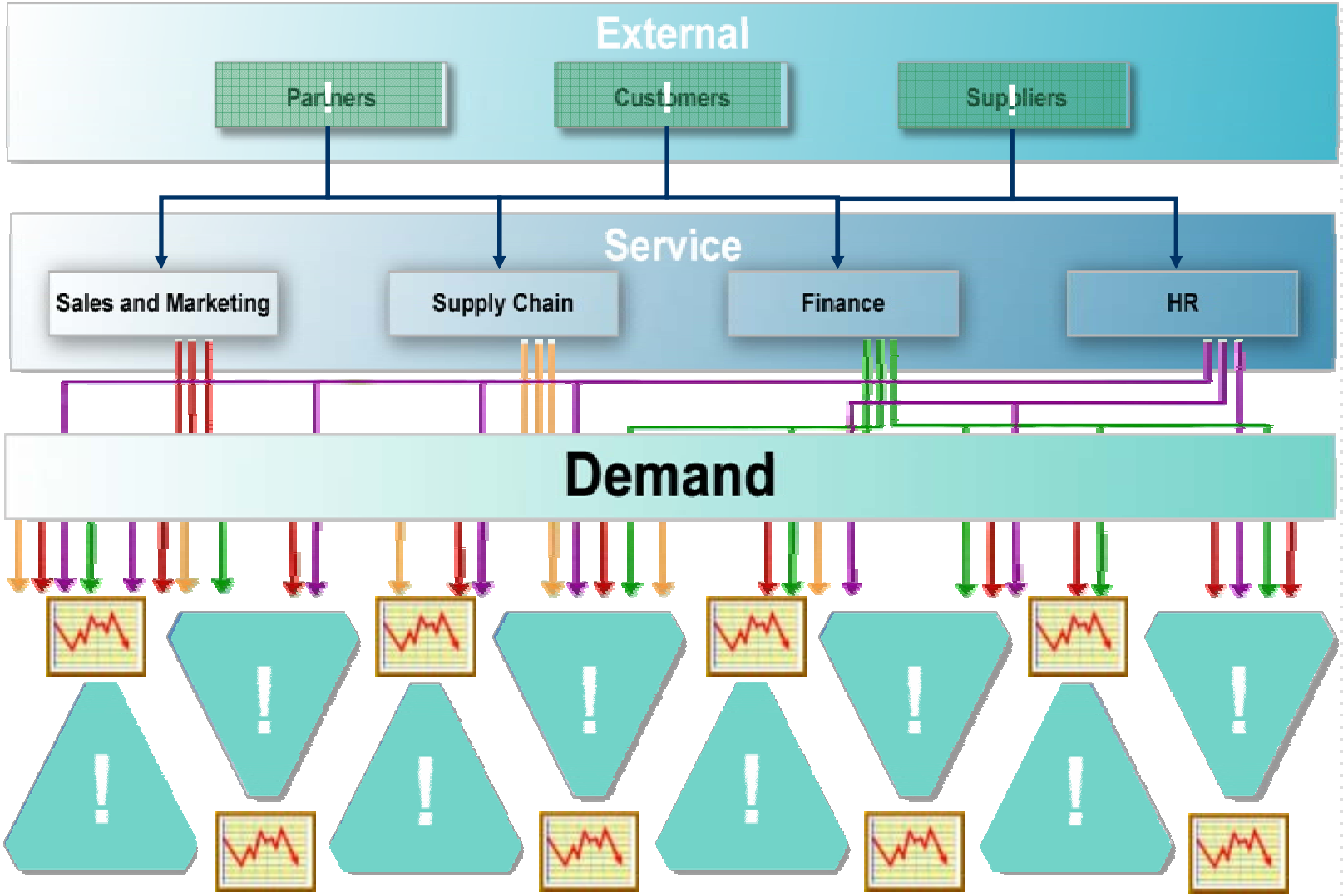
- **Before HTML…**
- Too many content formats
  - Gopher, FTP, Adobe Postscript, Microsoft Word, Apple HyperCard, Lexis/Nexis, Dialog, Quark, …
  - No universal language
- **HTML came along and boom, Web**
- Common language unleashed latent power
- Now everything speaks HTML

Standards Resulted In Explosive Growth

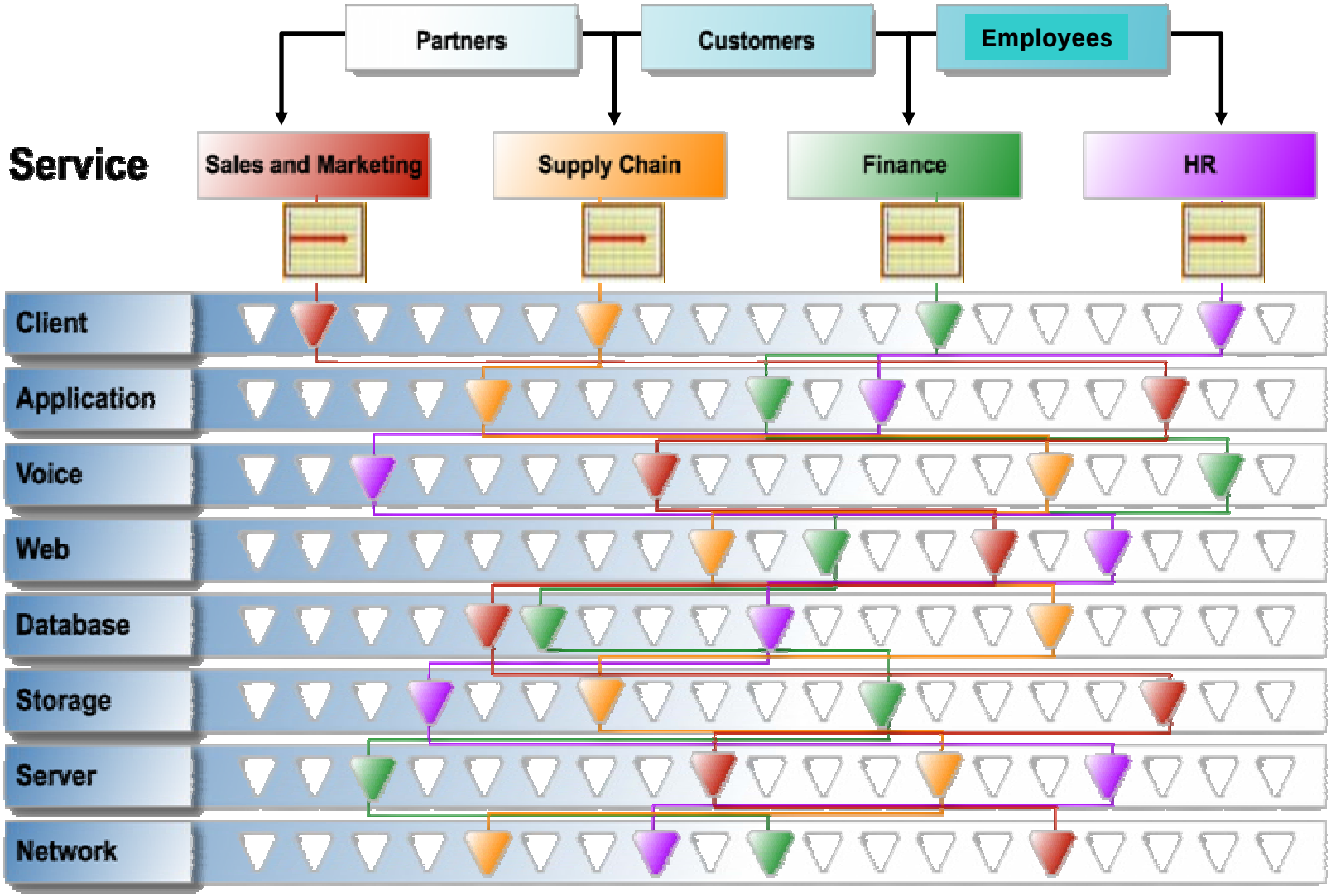
- 8 years into 25-year shift to web architecture
- 700M Internet users; 1B PC's sold in 8 years

- **Explosion of technology and complexity in the datacenter**
  - Servers: 5M shipped this year; up 10x in 8 years
  - Web applications everywhere
  - New technologies: Linux, Intel, Java, BEA, …
  - An enormous amount & diversity of *stuff*

Stop Managing In Silos For Peaks



DCML Enables IT As A Service

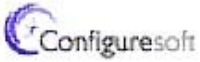


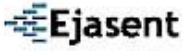
DCML Provides Common Management

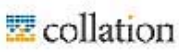
- **Data Center Markup Language**
- DCML does for the datacenter…
  - What TCP/IP did for networking
  - What HTML did for content
- Universal language for the datacenter that handles the heterogeneous and semantic information required to manage at the level of a service.

DCML Members

Other members



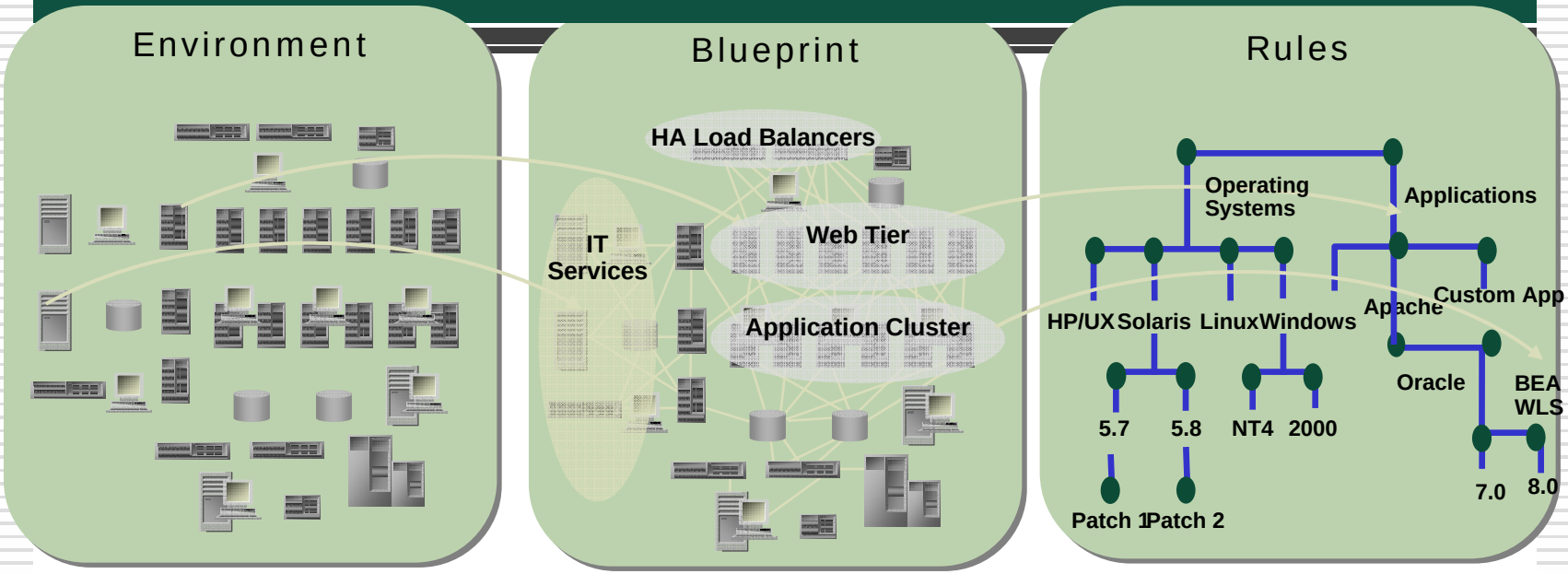




Announcing DCML 1.0 Framework Spec

- DCML is an XML-based specification
- DCML represents the contents of data centers and information used in managing those contents
- The DCML Framework working group is chartered with defining the overall approach, concepts and structures fundamental to DCML
- The Framework working group has defined the process by which other working groups produce subsequent DCML definitions to support specific applications

Conceptual Model Classifications



Instances

Collection of managed entities in the physical managed environment, including:

- Servers
- Network
- Storage
- Facilities
- Customers

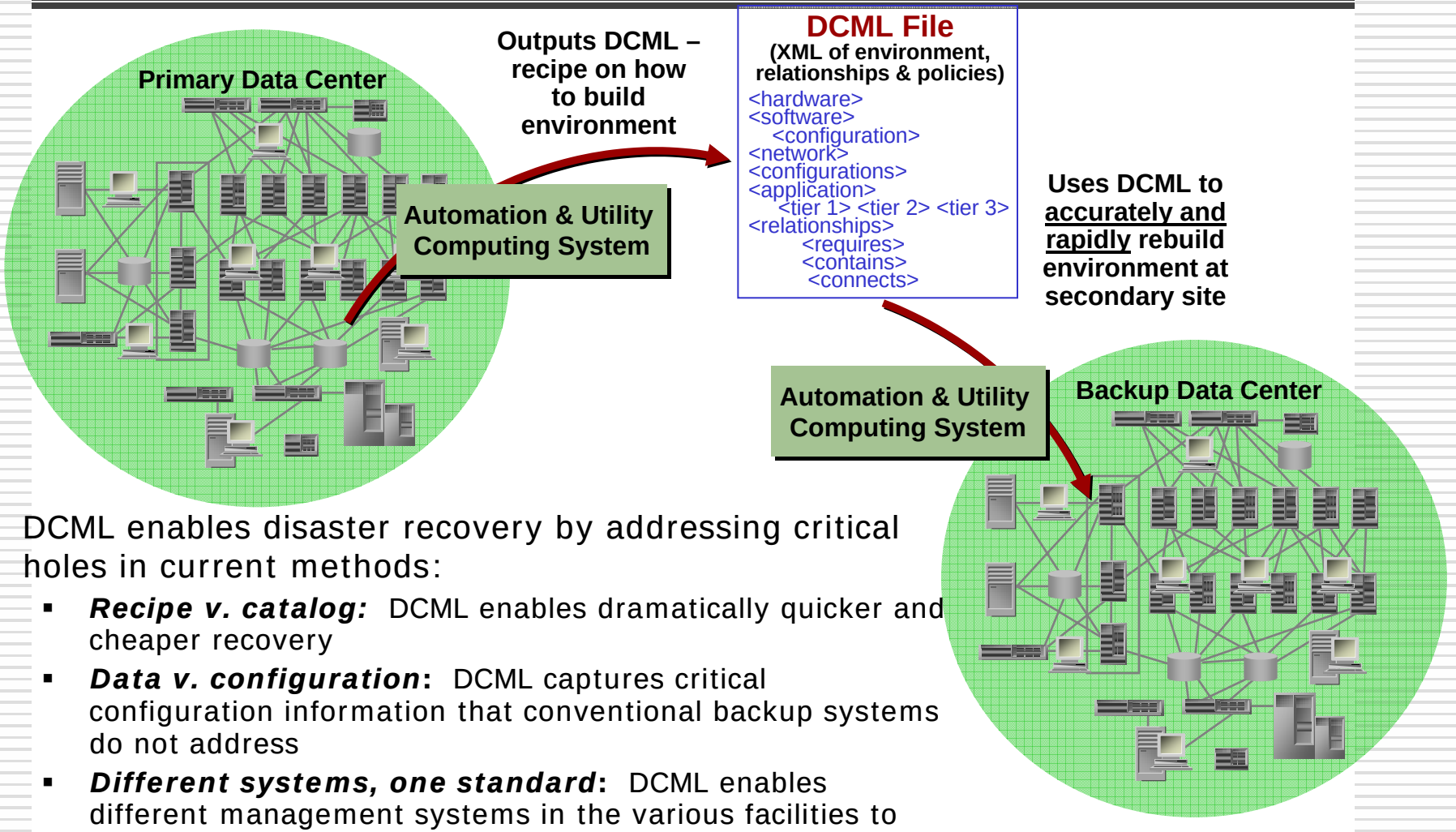
Classes

- Operational view of managed environment
- Adds context over environment classification
- Includes information on: Services, Relationships, Tiers Clusters, Custom configurations, Constraints

Policies

- Collection of reusable resources
- Objects required to build the environment
- Change mgmt windows
- Technology dependencies
- Technology compatibilities
- Standard builds
- Default configurations
- Vendor updates

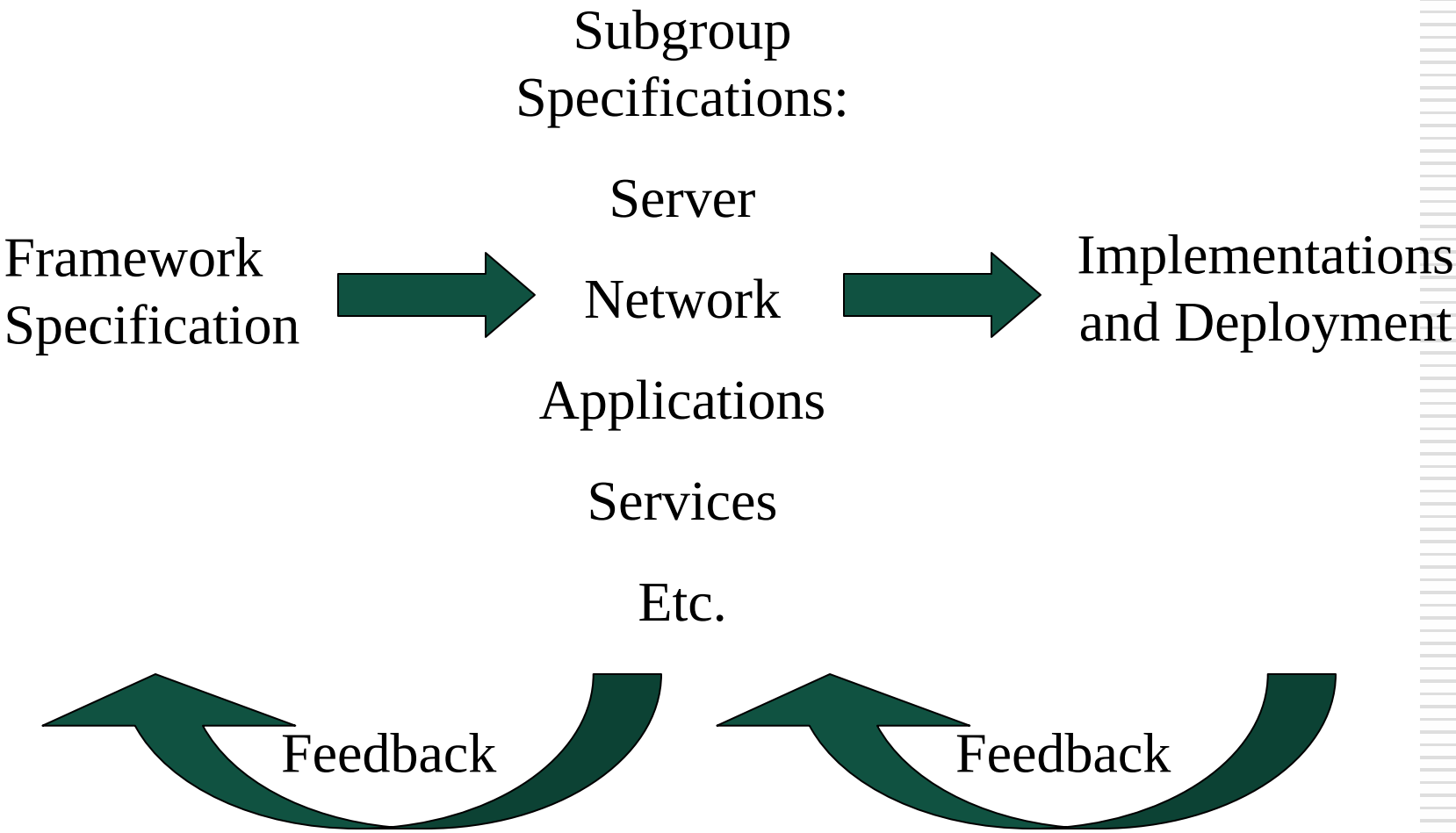
Example: DCML-Powered Business Continuity



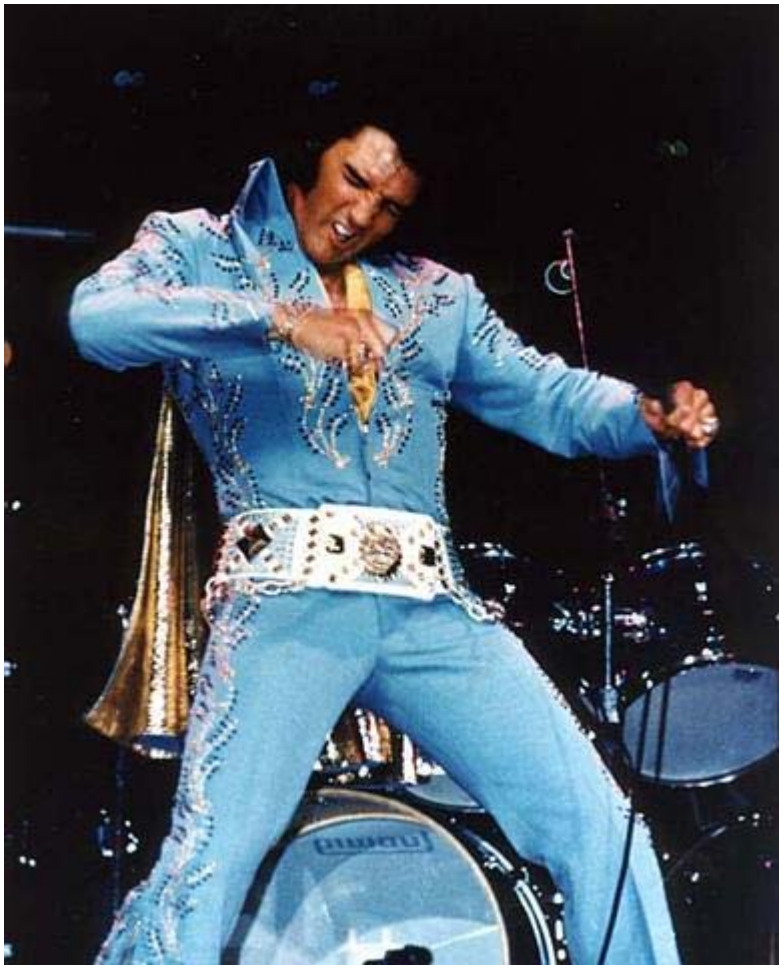
DCML enables disaster recovery by addressing critical holes in current methods:

- ***Recipe v. catalog:*** DCML enables dramatically quicker and cheaper recovery
- ***Data v. configuration*:** DCML captures critical configuration information that conventional backup systems do not address
- ***Different systems, one standard*:** DCML enables different management systems in the various facilities to exchange relevant data

DCML Specification Lifecycle



DCML Reception

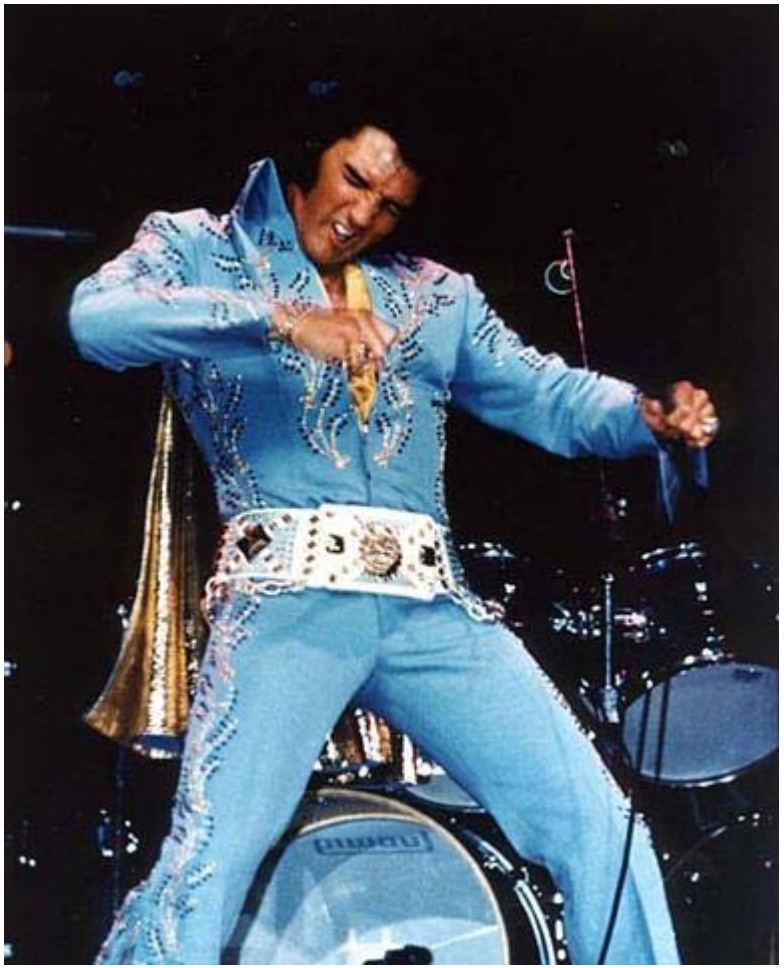


- Private reception at Madame Tussaud's wax museum—join us!
- 8:30 to 11:00
- Venetian Resort, Hotel & Casino

dcml Data Center Markup Language

Question and Answer Session

DCML Reception



- Private reception at Madame Tussaud's wax museum—join us!
- 8:30 to 11:00
- Venetian Resort, Hotel & Casino