

Bringing It All Together The OPS Enterprise Architecture Repository

Enterprise Architecture Open House

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Session 4C



Land and Resources
Cluster

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Office of the Corporate
Chief Technology Officer

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Session Overview

- What it is
- What it is not
- Value
- Perspectives
- Function & Features
- Usage Metrics
- Cluster Experience
- Demo
- Future Considerations
- Questions & Answers



What is the Enterprise Architecture Repository?

- The Enterprise Architecture Repository (EAR) is:
 - A central library for the management and dissemination of architecture materials created in the OPS.
 - A foundation for managing and exploiting the information collected during architectural exercises.
 - Disposable project artifacts → reusable assets.



Repository versus Registry

Major differences:

- Access to information in a repository is designed to support the population, browsing, discovery and reporting needs pertinent to a specific subject area.
- Access to information in a registry provides the functionality needed to:
 - Meet service-level agreements (SLAs) for invoked services;
 - Support the operation of services;
 - Manage a more narrow set of asset types than repositories.



Value of the EAR

■ Cluster and Corporate Benefits

- Stewardship of project deliverables
- Permanent project records
- Efficiencies through centralization
- Building an architecture body of knowledge
- Mitigating effects of attrition
- Reuse
- Information management – tame the data wilderness!



Value of the EAR

■ Individual Benefits

- Showcase architecture designs
- Safekeeping of artifacts
- Power User finds material by its meaning and/or relationships – not by its location
- Find and view from different perspectives
- Time saving
- Stable file location



Single Perspective Viewing



EAR Core Functionality

- Architectural artifact and metadata submission
- Metadata completion
- Access control
- Discovery support
- Preservation of project record
- Versioning of metamodel elements and artifact type definitions



Not Part of the EA Repository

- Integration with development tools
- Versioning of project deliverables
- Works-in-progress
- Class library

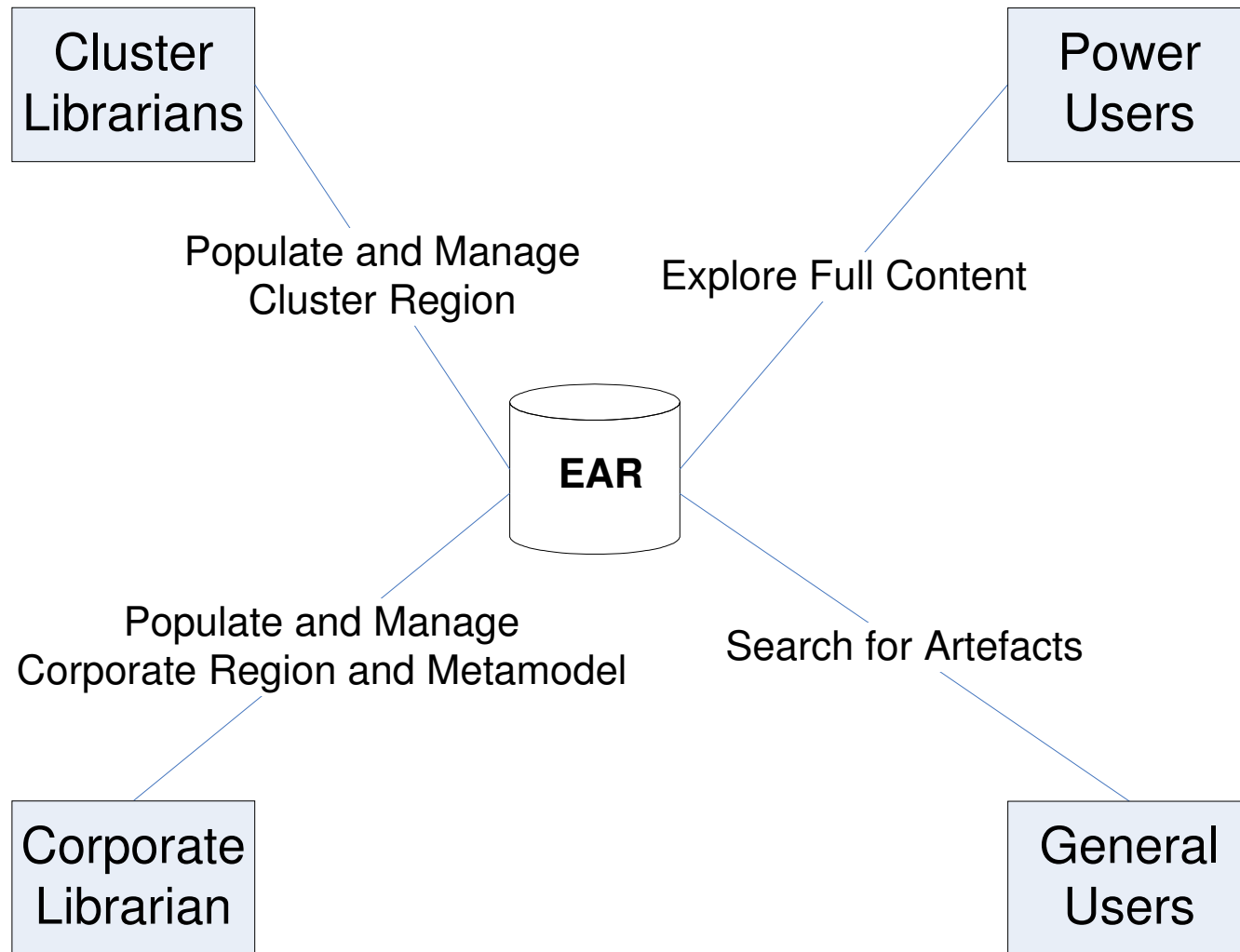


Privacy and Security Features

- No personal information
- A balance of security & usability
 - Individual or group access control
 - Encryption



Roles and Functions

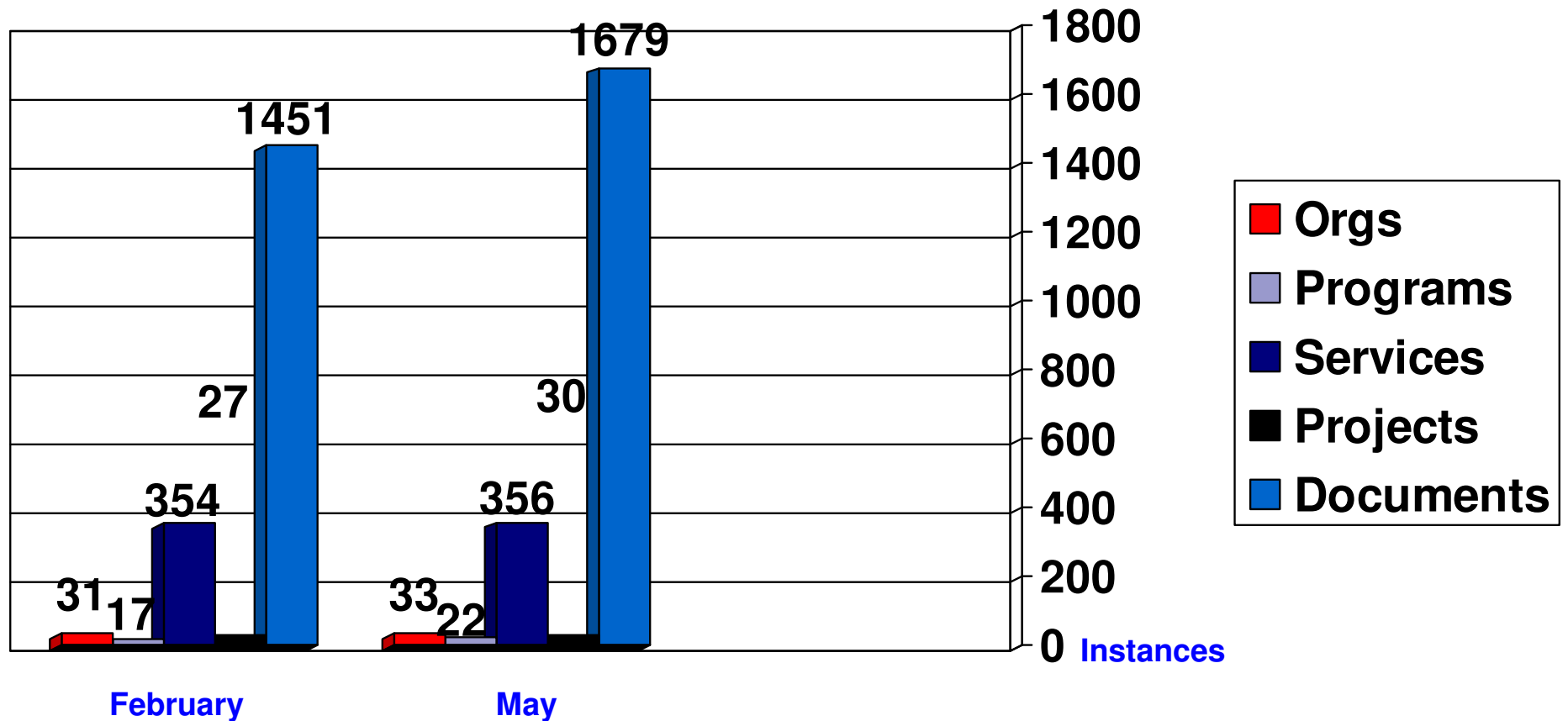


Recent Activities

- Librarians trained and software installed in 8 clusters
- EA Repository User Group established
- Repository updated to accommodate artifact revisions



Usage Patterns and Metrics



Cluster Experience

- Tom Ellis
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Cluster Experience

- 1000 + artifacts classified and stored in the repository
- Record of architecture activities
- Ability to generate contextual documents
 - An excellent example is the capacity to generate a program and/or service list
- Provides improved capacity for review and analysis over what LRC had before



Cluster Experience

- Improved navigation/views to find artifacts:
 - By Organization
 - By Project
 - By Zachman cell
- User Interface is much improved
- Improved ability to store and classify ‘Supporting Documentation’ or ‘composites within projects



Repository Demo



Future Considerations

- A work in progress
 - Building content
 - Refining functionality
- Support planners in identifying opportunities



Questions



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