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Managing access permissions to unstructured data

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Common File System Infrastructure

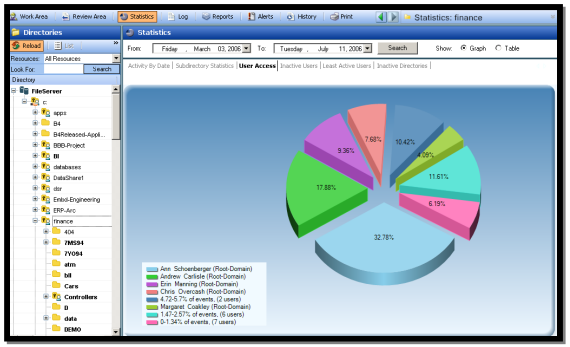
- Technology
  - **TB's of unstructured data**
  - **Data grows significantly**
  - **Many users, many AD groups**
  - **Many folders with unique permissions (5%)**
- Personnel
  - **Several employees managing access control (FTE equivalents)**
  - **Manual authorization workflows and permissions management**
  - **Significant time spent working with audit on access control related issues**

Common Infrastructure Challenges

- High Risk Levels
  - **File System data is at great risk for loss, theft, and misuse**
  - **Access configuration changes are untested**
- File System Controls Gaps
  - **Many access controls are “loose,” even broken**
  - **No audit trail exists**
  - **>50% of data has no known business owner**
- Regulatory Requirements
  - **HIPAA**
  - **CMS**
  - **Sarbanes Oxley**

Varonis Solution

- Technological Breakthrough
  - **Automatically Identify and Remediate Access Control Gaps**
  - **Provide a Usable Audit Trail of Data Usage**
  - **Identify Data Owners, Inactive Data**
  - **Automate and Enforce Access Control Processes**
- Efficient, Effective Risk Reduction
- IT Data Protection Jumpstart
- Proven Operational Execution
  - **>600 customers**
  - **All Verticals**



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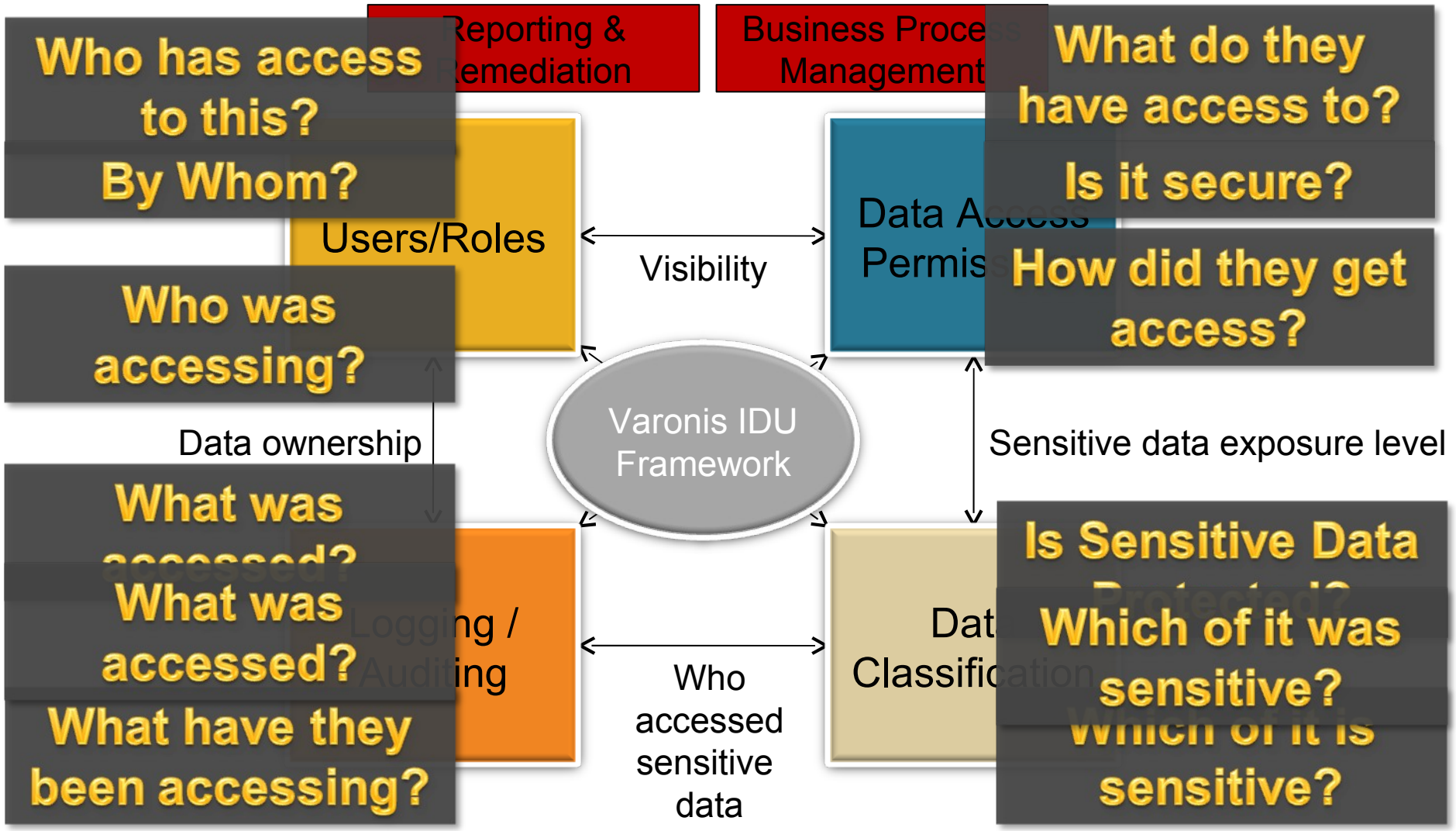
A Complete Value Chain for Unstructured Data Protection



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Common Use Cases for Varonis

- Access Control Cleanup – Identify & Remediate:
  - **“Global” Groups -(everyone, authenticated users, etc)**
  - **Redundant, Excessive Group Memberships**
  - **Orphaned SID’s, Individual User SIDS on ACL’s**
- Find Lost & Deleted Files
- Identify Anomalous Behavior
- Track Permissions & Group Changes
- Ongoing Entitlement Reviews
- Automate Access Authorization & Revocation
- Identify Inappropriate File Activity (mp3’s, etc.)
- Enhance Other Data Protection Projects

Common Use Cases for Varonis (cont'd)

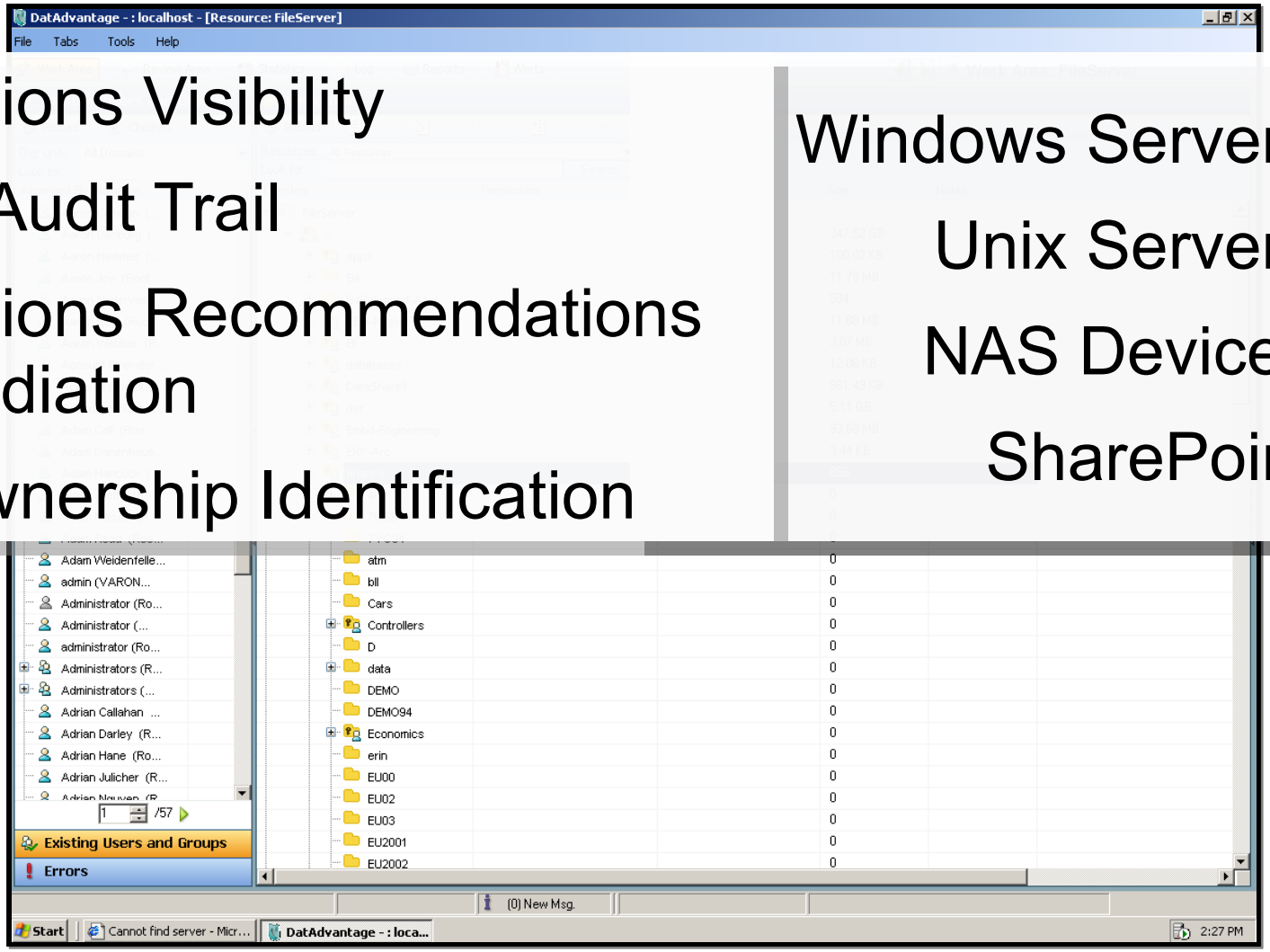
- Efficient audit compliance - provide evidence of:
  - **Effective permissions (preventive controls)**
  - **Usable audit trail (detective controls)**
  - **Authorization processes**
  - **Compliance with authorization processes**
- SharePoint Migration
  - **Stale Data Identification**
  - **Data Owner Identification**

Use Case Efficiency Matrix

Use Case	Manual Time Requirements	Varonis Time Requirements	Efficiency Gain
Access Provisioning	20 min per folder	1 min per folder	20x
Creating a permissions report	30 min per folder	1 min per folder	30x
Data Owner Identification	4 hours per folder	20 minutes per folder	12x
Everyone Group Remediation	6 hours per folder	10 min per folder	36x
Entitlement Reviews	30 min per folder	2 min per folder	15x
Find lost files, Forensic Investigation	N/A	5-15 min per incident	N/A
Stale Data Identification	?	15 min – 1 time	N/A

DatAdvantage Functionality

- Permissions Visibility
- Usable Audit Trail
- Permissions Recommendations & Remediation
- Data Ownership Identification



Windows Servers

Unix Servers

NAS Devices

SharePoint

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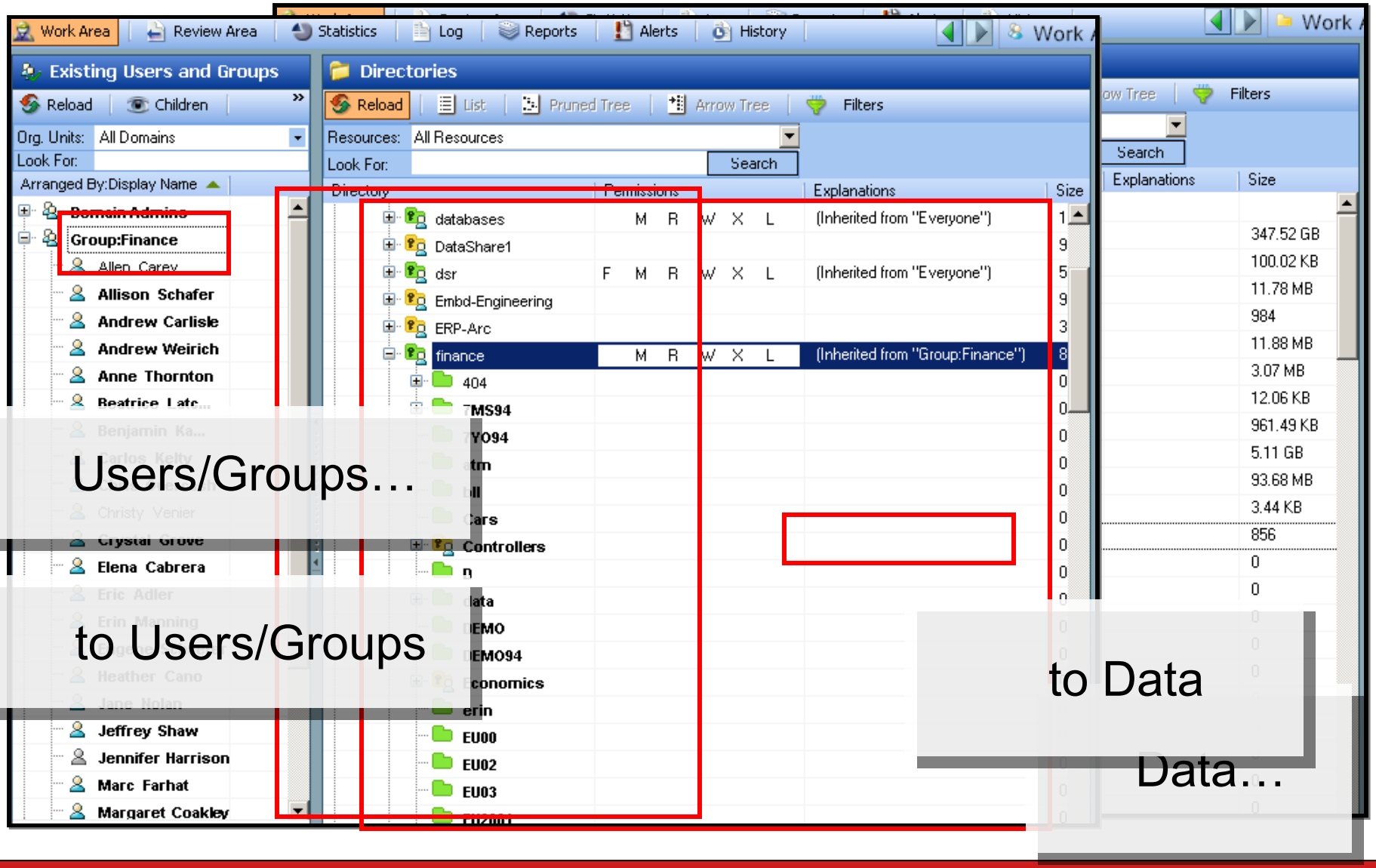
Permissions - Bi-Directional Visibility



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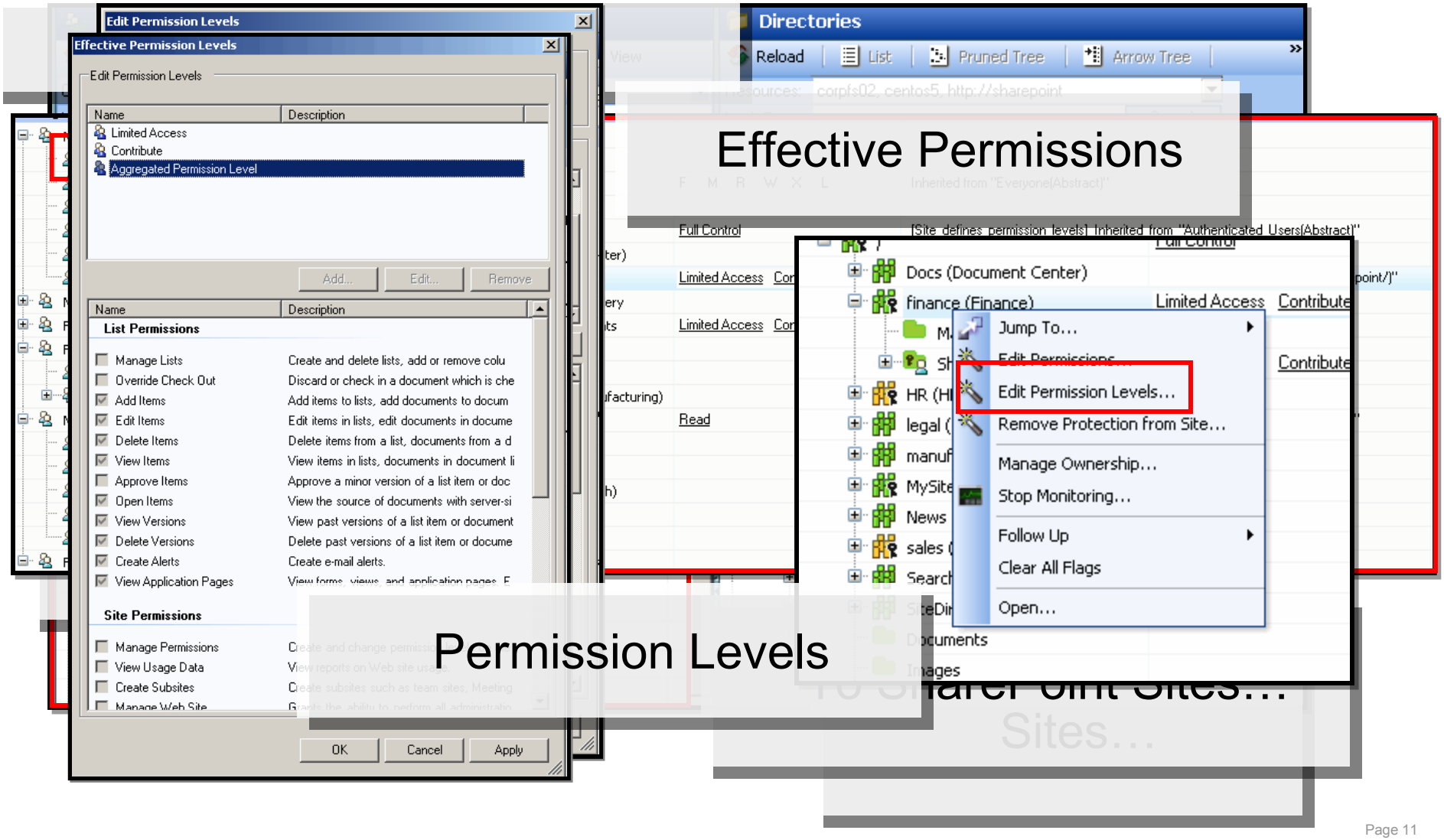
SharePoint Visibility



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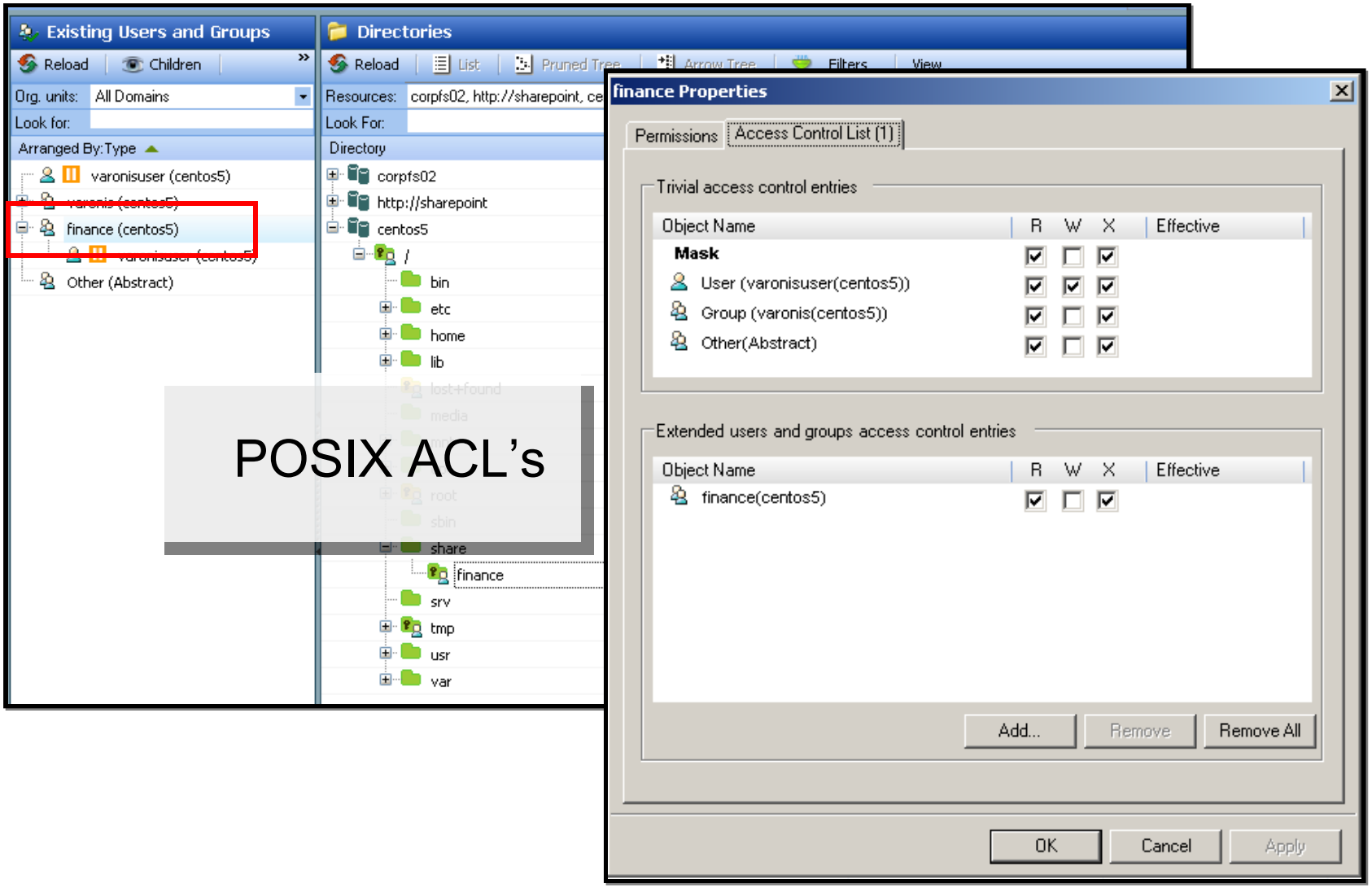
Unix Visibility



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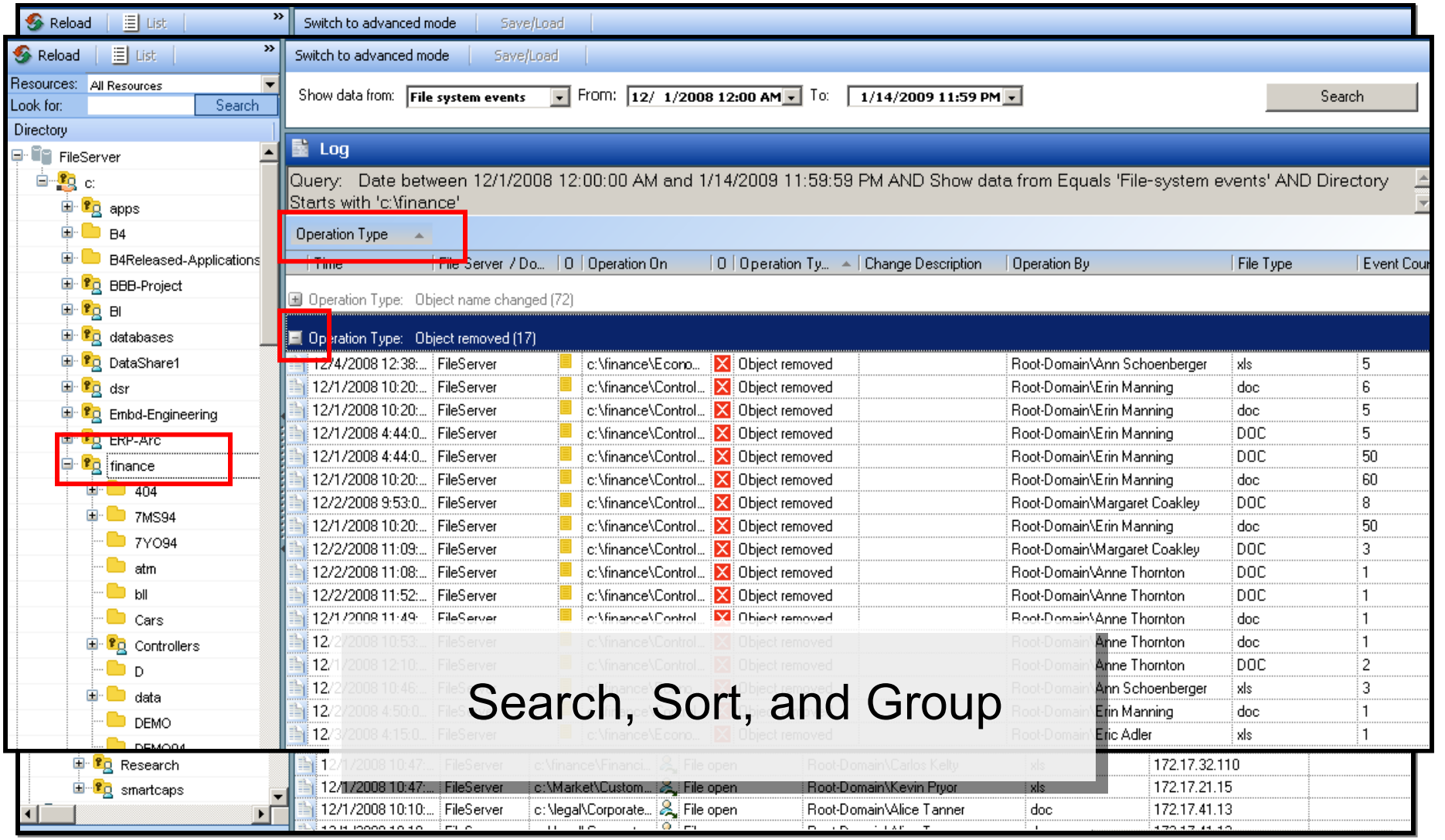
Audit Trail



Search, Sort, and Group

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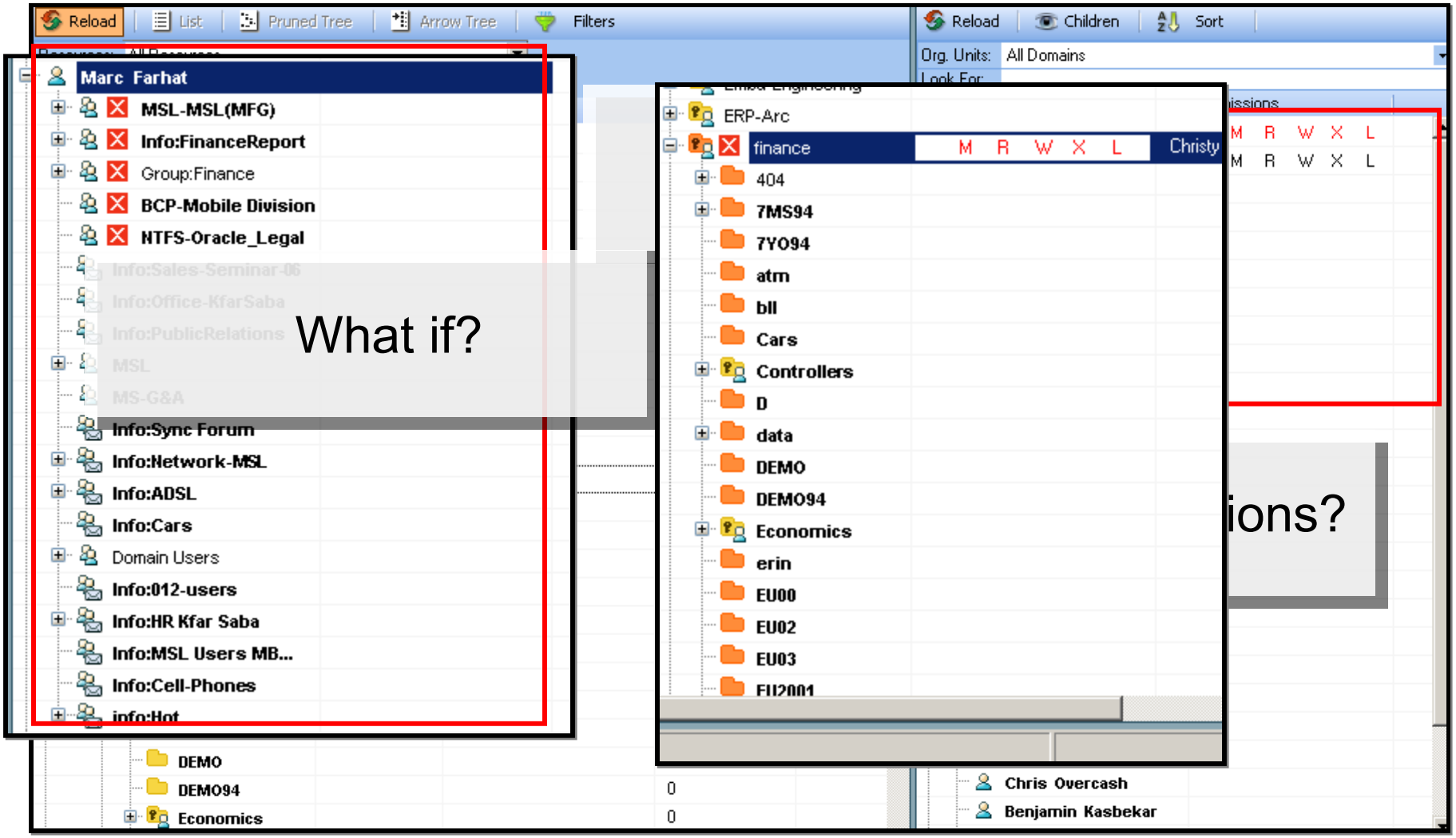
Recommendations



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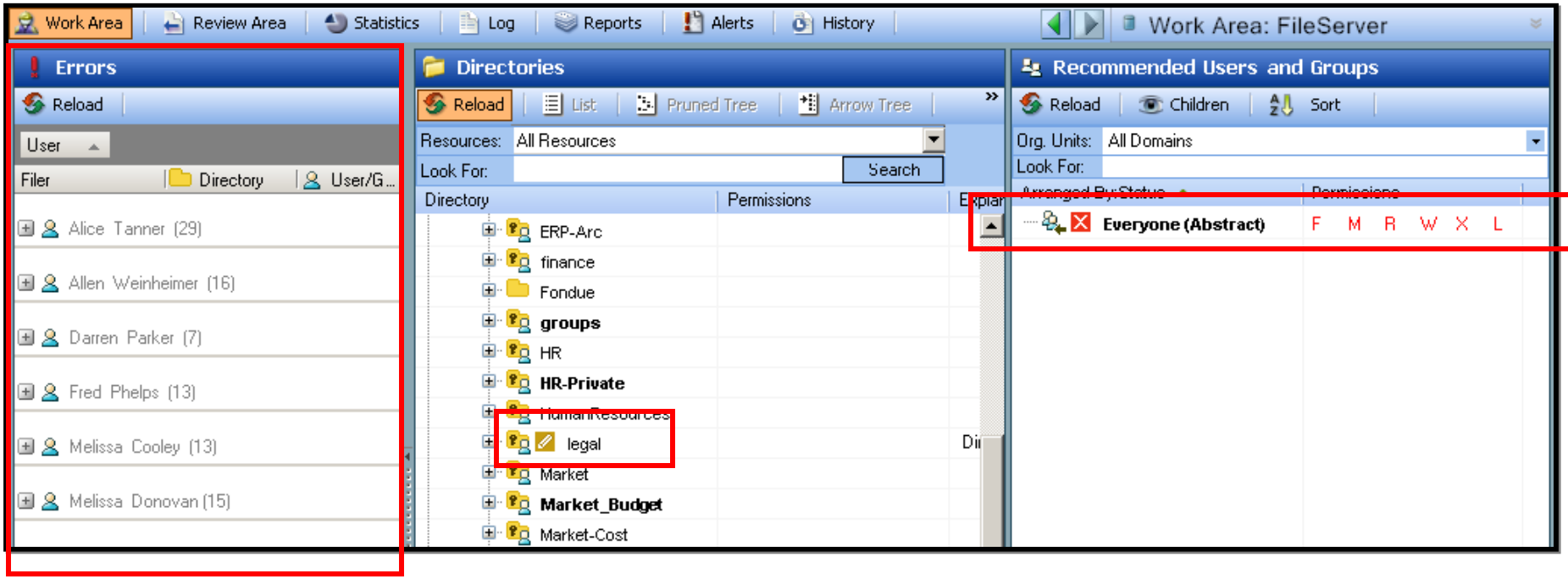
Permissions Clean-up



View Outcome

Simulate Changes

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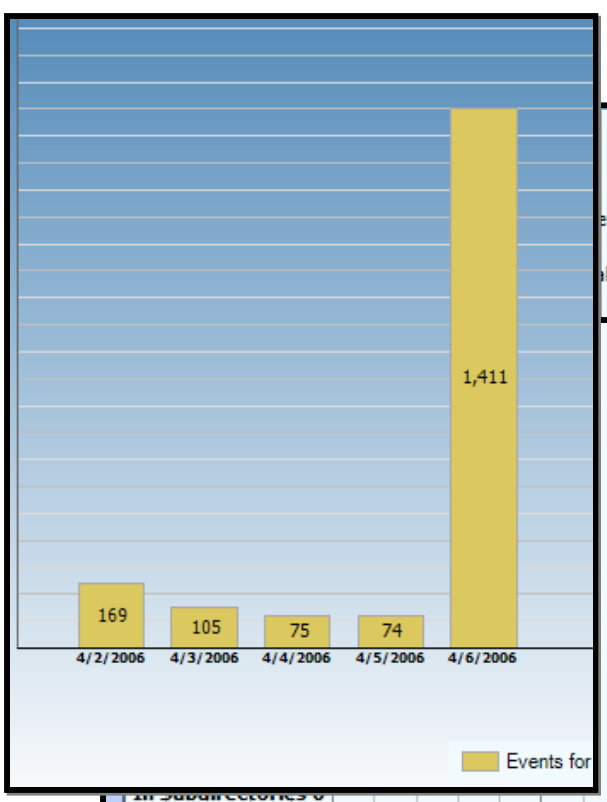
Activity Analysis



- Most/Least Active Users
- Most/Least Active Directories
- Anomalous Behavior

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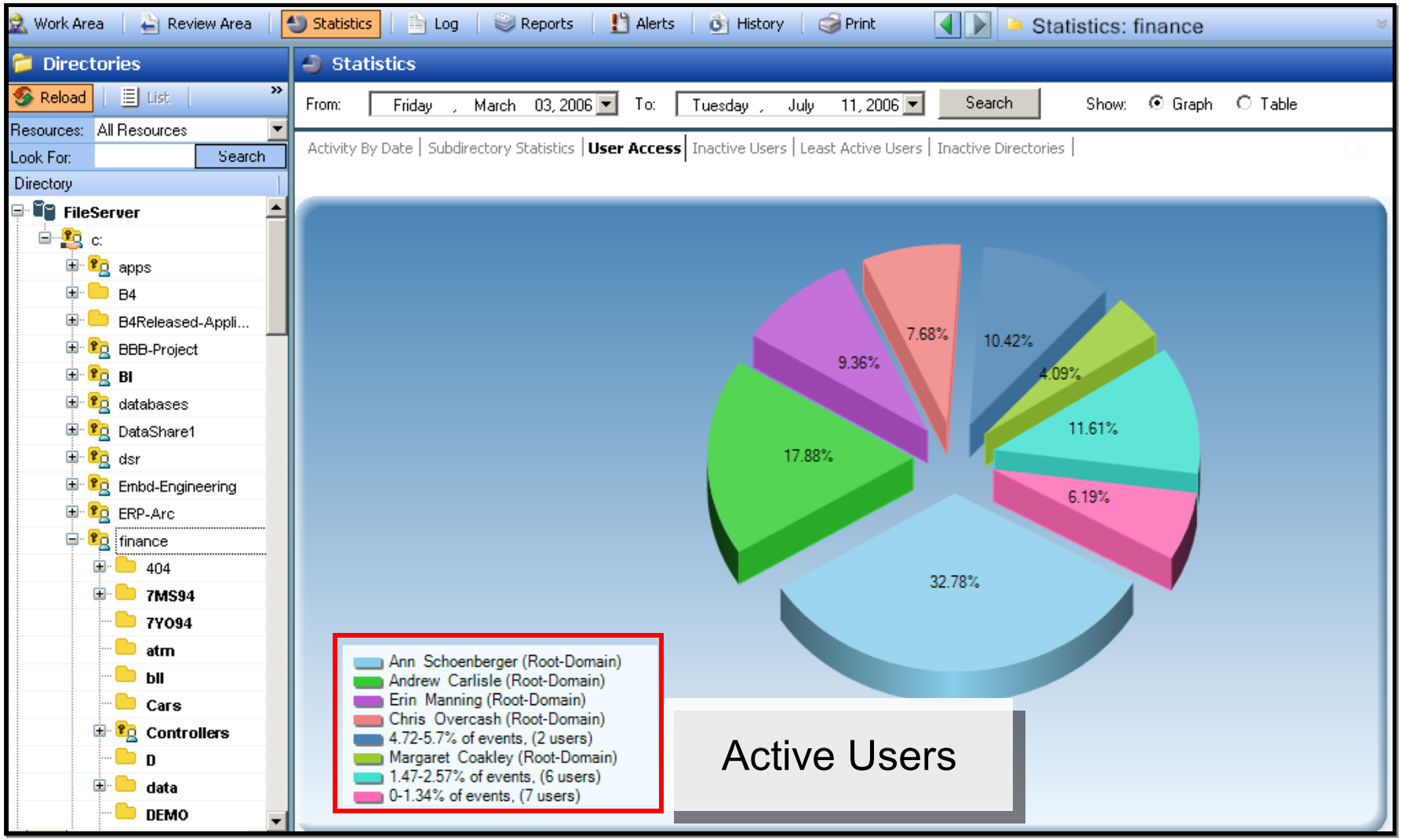
Data Ownership Identification



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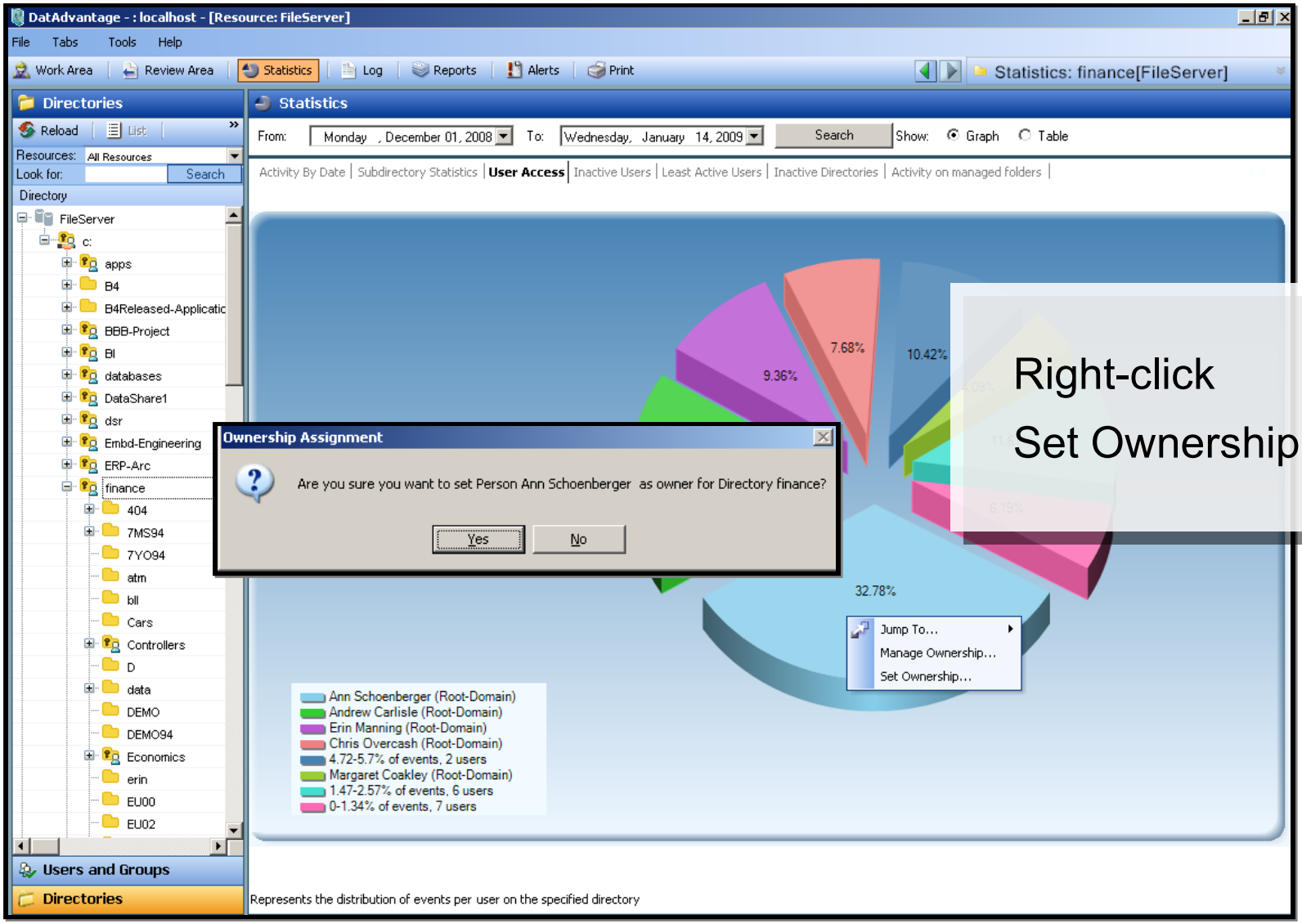
Data Ownership Assignment



Right-click

Set Ownership

Hit "Esc" to return to Main Menu

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Q & A