

Managing Shared Content

Tim Shinkle, Gimmel

on behalf of

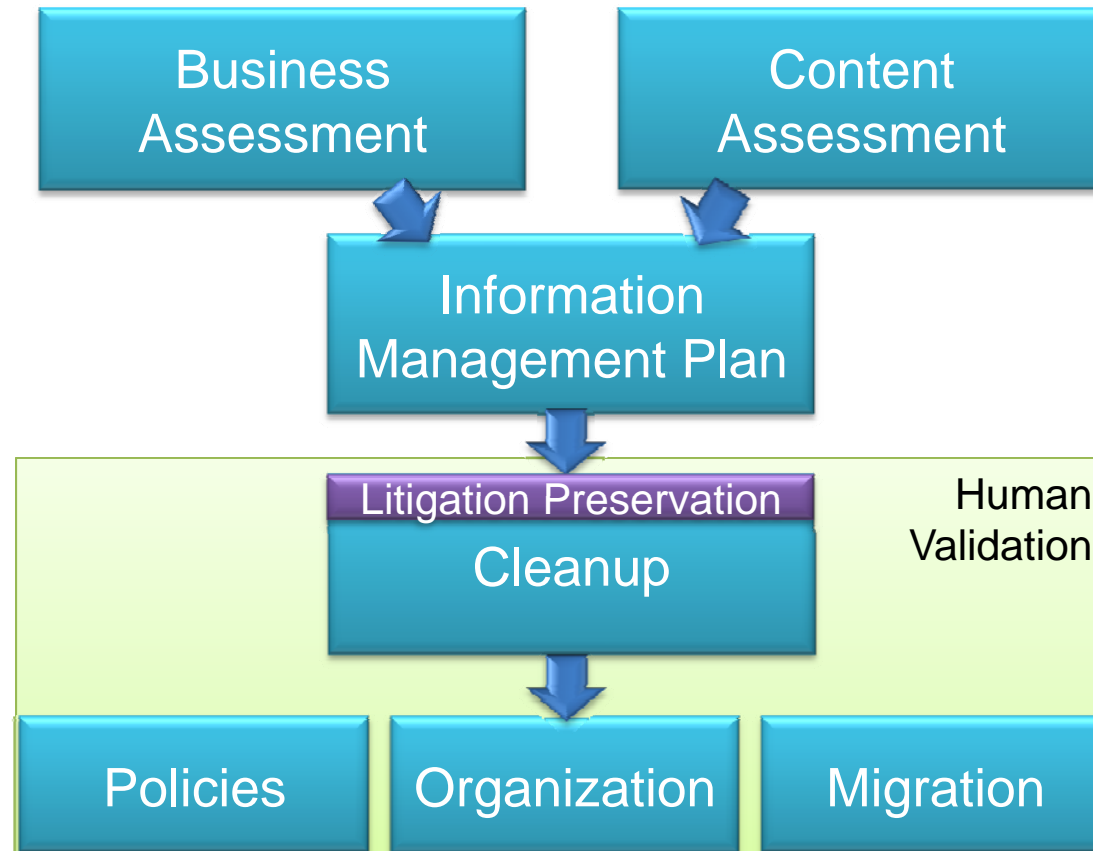
Susan J. Sullivan, CRM; NARA

Target Outcomes

Knowledge of:

- How NARA combined people and technology to meet the shared drive cleanup challenge, and
- How cleaning up shared drives can lead to efficient management of all electronic content.
- How people interact with Indexing and Categorization Management (ICM) Tools to manage content
- Start thinking how you can do this in your organization

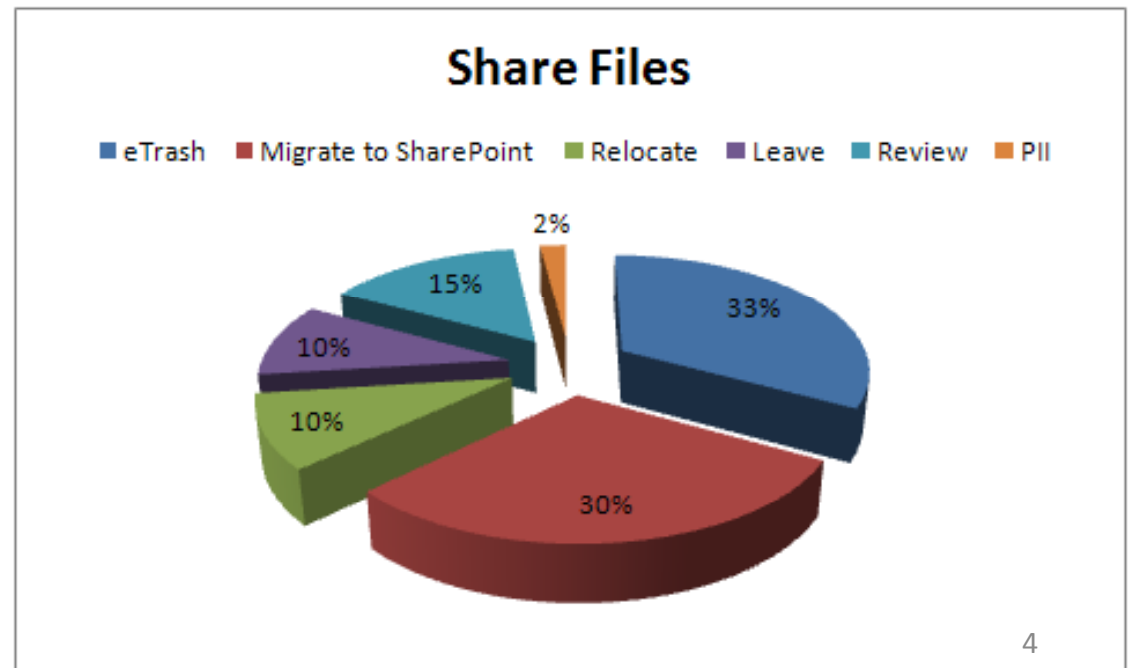
Overall Process



Plan > Crawl > Report > Review > Clean > Extract Metadata > Categorize > Migrate > Manage

Phase 0 –Assessment

- Perform preliminary analysis
- Scan a good cross section of the content
- Produce an assessment report and plan moving forward
 - Categorization
 - Strategy
 - ROI



Phase I – Program Setup

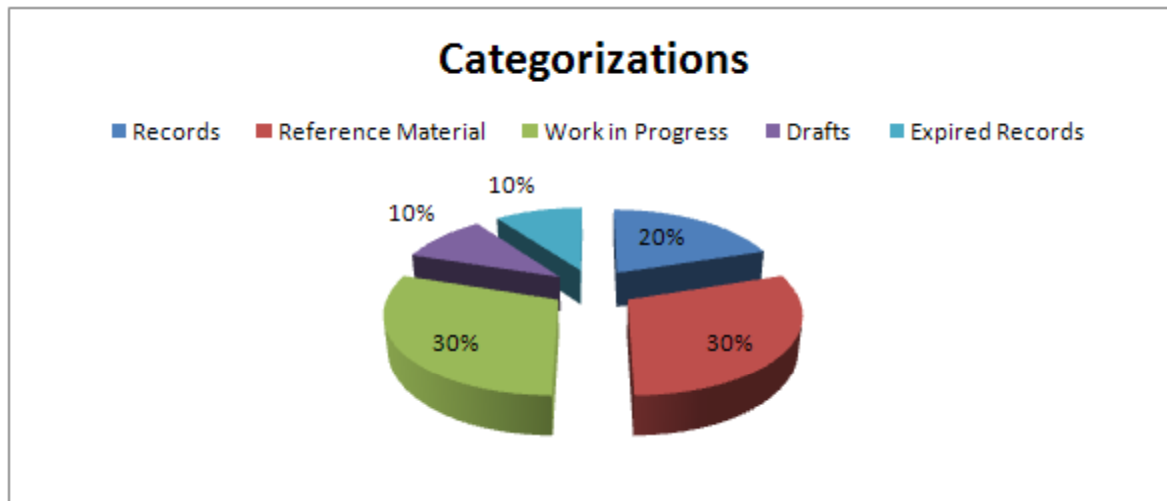
- Meet with sponsors
- Identify scope (shares, groups, SMEs)
- Develop communication plan
- Stand up program communications portal (e.g., corporate portal, wiki)
- Identify pilot group(s) (shares and SMEs)
- Meet with RM and Legal to identify candidate records, holds and PII
- Approve policies, cleanup and categorization rules

Phase II – Pilot

- Interview pilot group
- Perform analysis and refine rules
- Crawl and report on pilot group shares
- Review results with SMEs and move approved files to cleanup location
- Refine global cleanup and categorization rules and update published policies
- Develop benefit analysis report and enterprise strategy
- Publish updates to program portal (wiki)

Phase III – Enterprise Transformation

- Outline schedule, project plan and group priority
- Update communications on portal (e.g., wiki)
- Repeat for each group
 - Plan > Crawl > Report > Review > Clean > Extract Metadata > Categorize > Migrate > Manage
- Publish findings and strategy for on going automated information governance automation



People + Tools = Cleanup

People	Technology
Where is the content?	Pre-crawl for overview
What to protect / preserve?	Find /lock preservation content
Develop and validate auto-cleanup rules (.tmp, backup, ~)	Find / report on auto-cleanup content
Approve auto-clean rules	Auto-clean
Develop rules for content to be reviewed before cleaning or moving (large, old, marked “draft, old, trash”, music, video, audio)	Find / report on reviewable content
Review and identify for cleanup	Cleanup or move individual or groups of files
Develop data integrity policies, develop and communicate cleanup maintenance rules and policies	Cleanup / identify continually

What is eTrash

- Non-business value, non-records
 - Temporary files
 - Obsolete applications
 - Files with zero content
 - Un-openable/un-readable content
- Not so important content that is not FOIA, Litigation related, retention scheduled and is:
 - Duplicates
 - Large
 - Voluminous
 - Obsolete

Auto-Clean

- System generated temporary files
- System generated backup files
- Zero Content files and folders
- Abandoned applications
- Obsolete install files
- System status reporting files

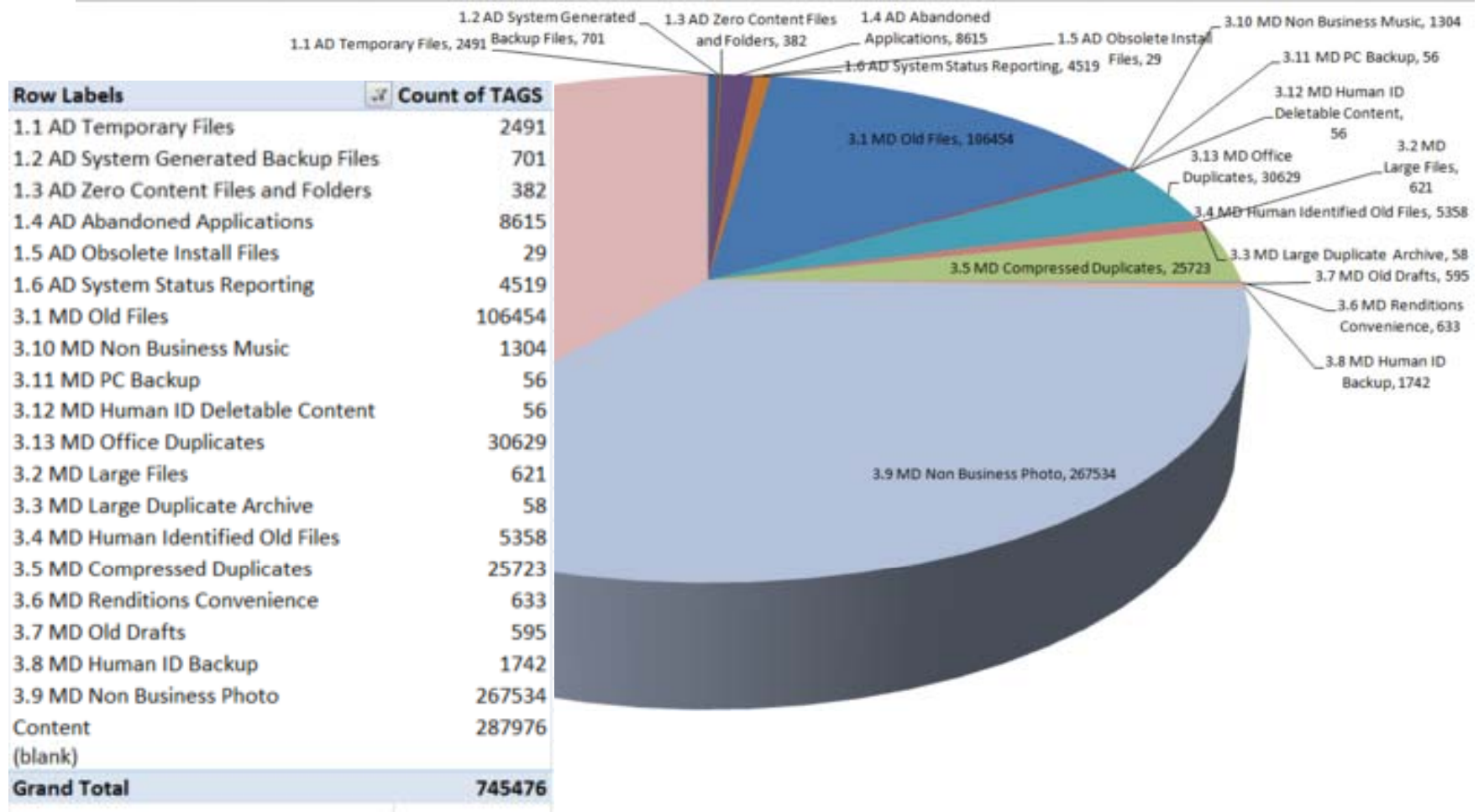
SME Review for Cleanup

- Old files
- Large files
- Large duplicate archive
- Identified old files
- Compressed file duplicates
- Renditions convenience copies
- Non accessed drafts older than 1 year
- Human identified backup files
- Human-identified as delete-able content
- Non-business images music or audio video or media
- Office Document Duplicates

Content Identified for Risk

- PII and eDiscovery
 - Litigation hold files
 - Credit card numbers
 - Social security numbers

A new way of viewing content



Outcomes

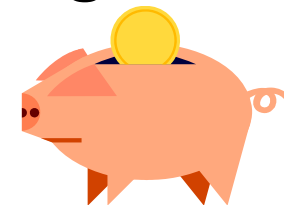
- Shares cleaned or under review
- Bulletin issued - NARA Bulletin 2012-02, December 06, 2011; Guidance on Managing Content on Shared Drives (<http://www.archives.gov/records-mgmt/bulletins/2012/2012-02.html>)
- Inputs to Presidential Memorandum -- Managing Government Records, November 28, 2011, (<http://www.whitehouse.gov/the-press-office/2011/11/28/presidential-memorandum-managing-government-records>)
- Policies identified
 - cleaning shares,
 - managing content on shared drives
- Most importantly.....clear path forward

Data Management Policies

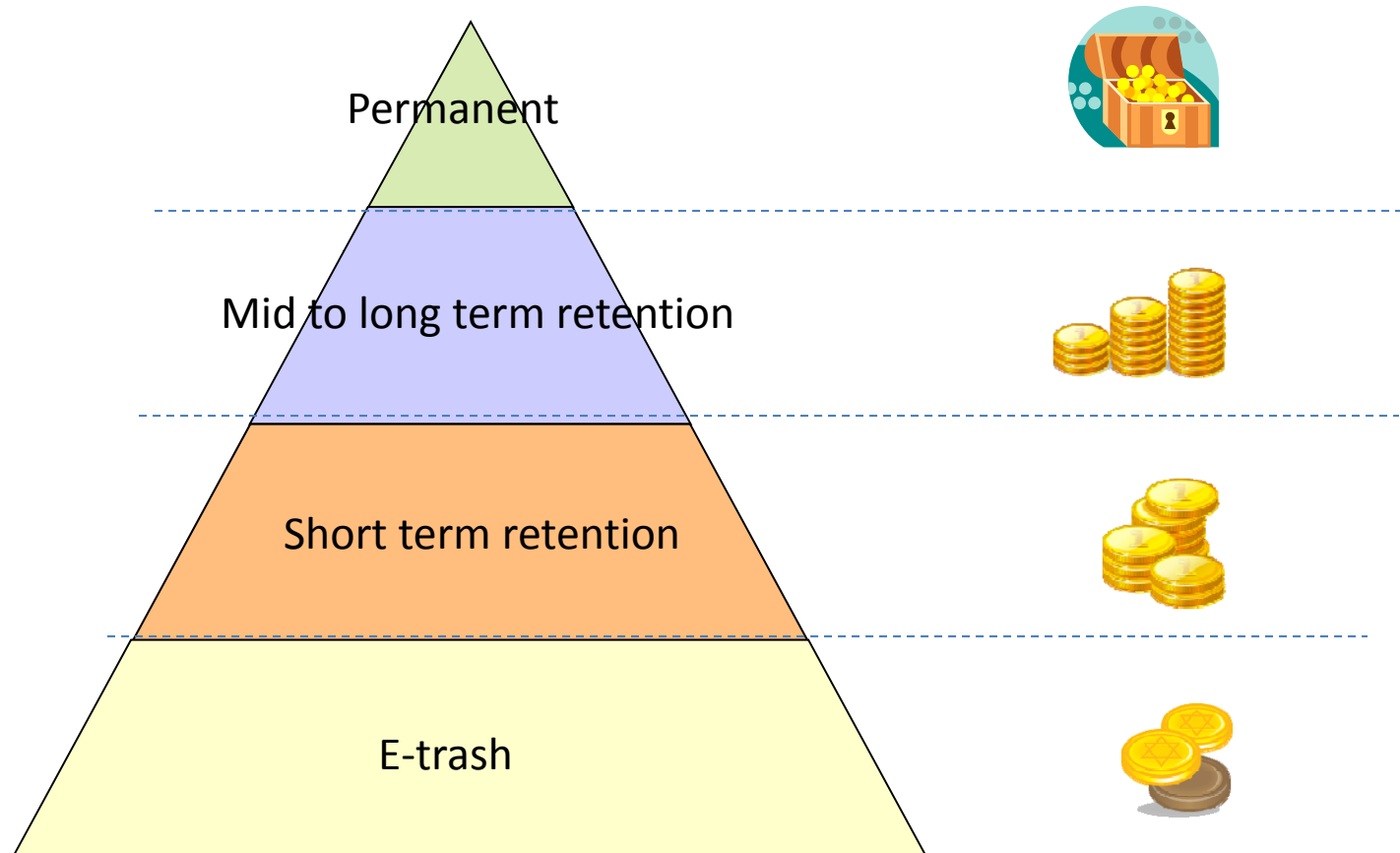
- **Reliability and content** – Preserving file attributes
- **Context** – Preserve file path, include recordkeeping metadata within user profiles
- **Usability**
 - Align storage with usage, preservation and access needs. Widely accessible storage location for high value content
 - Use robust search capability eliminate complex hierarchical folder structures.
- **Authenticity** - only authorized users can add, change and delete content for a specified data set.

Benefits

- Storage space – when cleaned all identified, can provide upwards of 47% in reclaimed storage.
- Money - To maintain 27 TB clean per year, save \$187K per year (shares and email).
- Time – Staff time culling through volumes of content to find or migrate their information (FOIA – E-discovery)
- Access efficiencies – Right information, right place right time

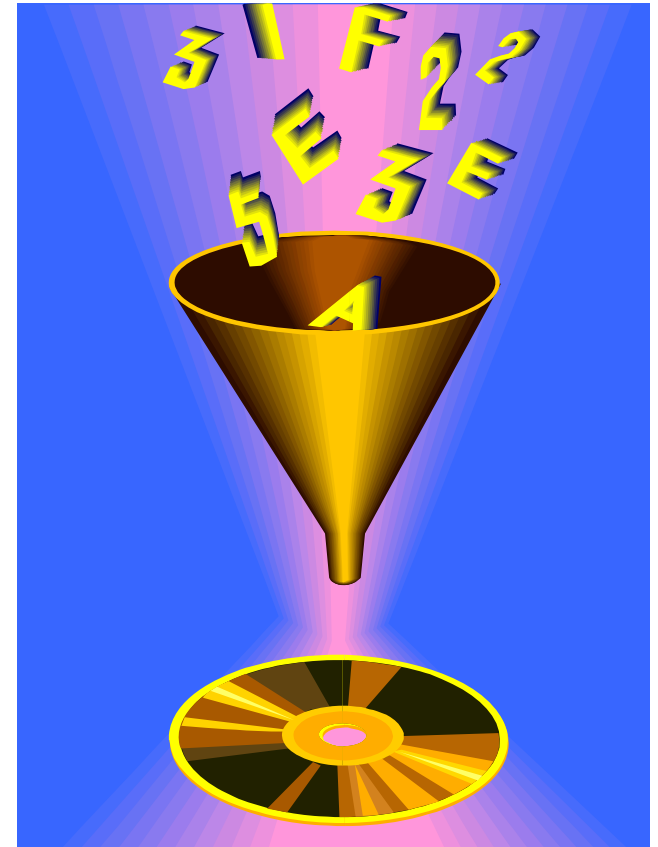


Next Opportunity: Align content with value

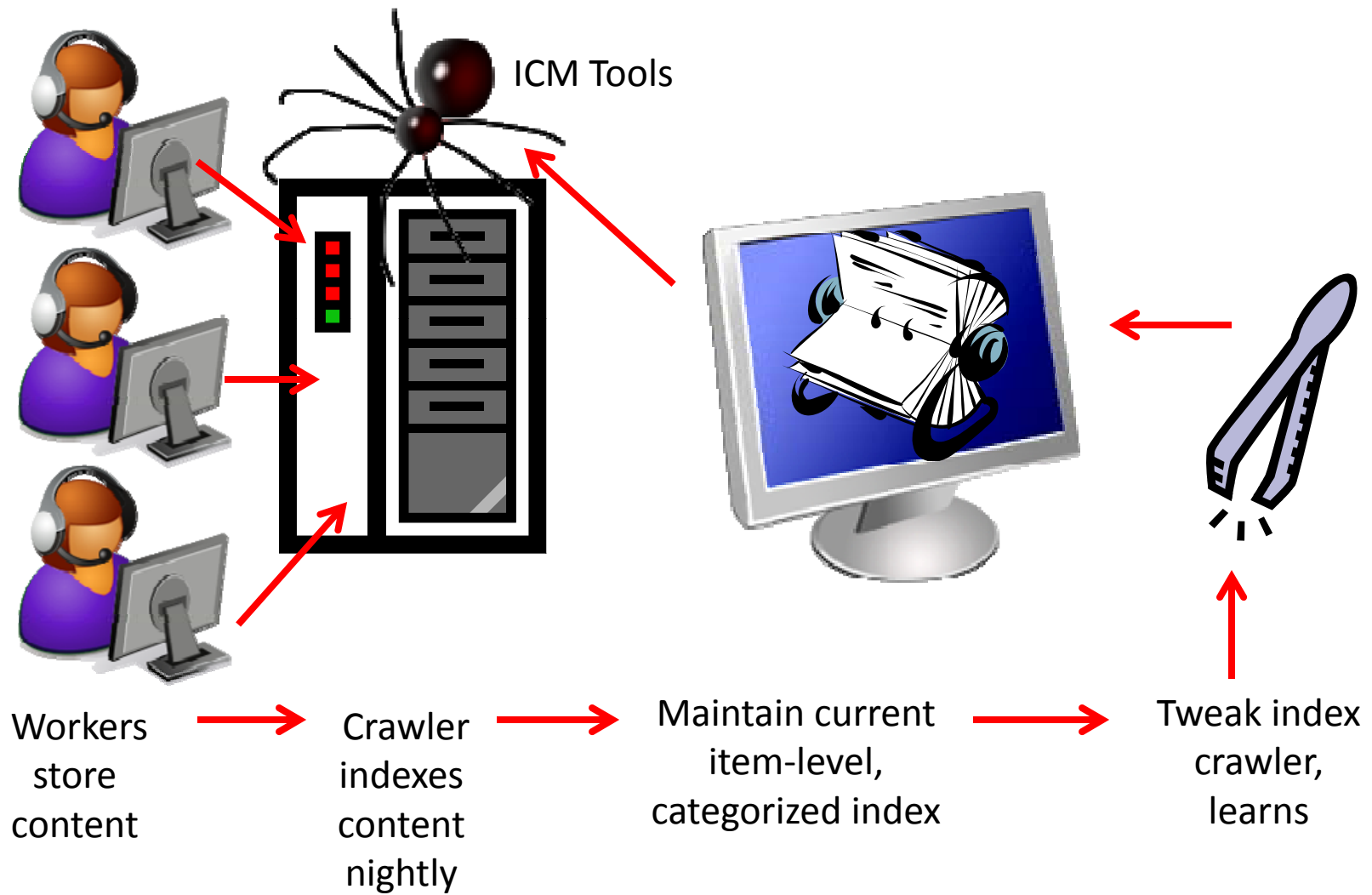


Beyond cleanup – Auto-Categorize

- Keyword/Boolean/Regex – Human Domain knowledge (SME) combined with...
- Natural Language Processing
 - document categorization,
 - clustering,
 - topic modeling,
 - information extraction,
 - other learning applications
- (Has this category OR these topics) AND these keywords AND NOT these keywords AND these formats AND these owners...

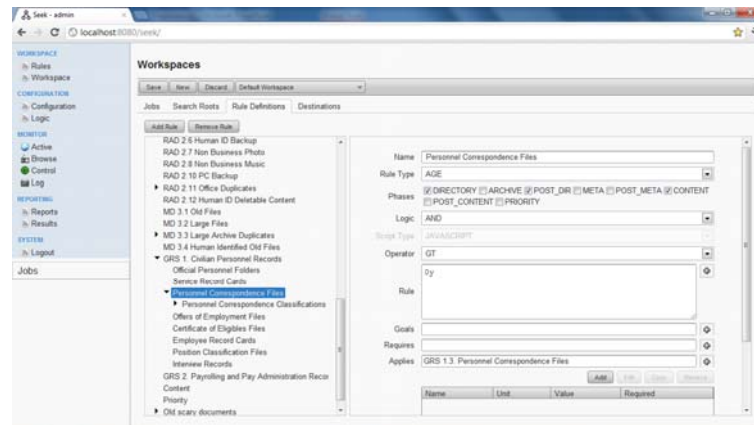
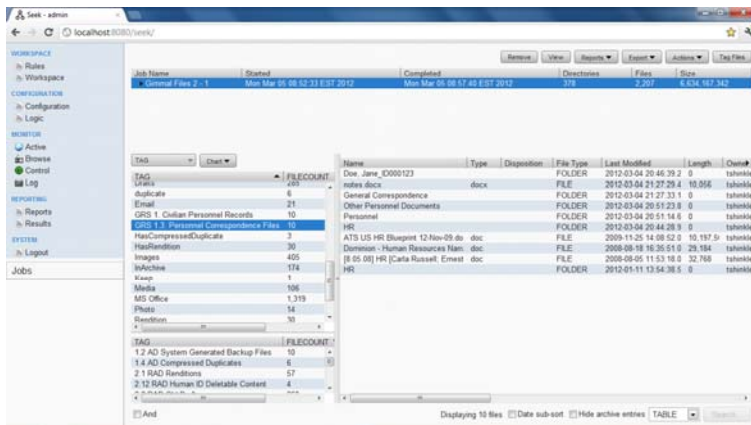


Vision of future



ICM Tools

- Indexes & categorizes content according to rules
- Clusters content around trends (retention)
- Ingests content samples and learns.
- More crawling = more learning
 - Manage by exception = more learning
- Act upon content (move, lock)



Q&A

- Tim Shinkle
Director, Gimmel Group
tim.shinkle@gimmel.com
(703) 927-5650
- Susan Sullivan, CRM
Director - Corporate Records Management
National Archives and Records Administration
susan.sullivan@nara.gov
V: (301) 837-2088