Introductions

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Objectives and Target Audience

• Session Objective(s)
  • By the end of this sessions you will know, understand and/or be able to:
    • Describe the modular structure of the Voyager server
    • Localize problems to specific components/connections
    • Perform common maintenance/troubleshooting tasks
    • Resolve common issues

• Session Target Audience:
  • Staff responsible for maintaining the Voyager server
  • Systems Librarians

Agenda

1. Voyager Structure and Connection Flow
2. Troubleshooting the Voyager Connection Flow
3. Voyager Maintenance Basics
4. ODBC
5. Current Issues
Voyager Structure and Connection Flow

VOYAGER CONNECTION FLOW
Shared Voyager Directories

- `/m1/`  
  Voyager disk mount
- `/m1/voyager/`  
  Voyager installation
- `/m1/voyager/bin/`  
  Binary files
- `/m1/voyager/lib/`  
  Code libraries
- `/m1/voyager/clients/`  
  PC client installers
- `/m1/voyager/utility/`  
  Regen packages
- `/m1/shared/`  
  Third-party software
- `/m1/utility/`  
  Other utility scripts
- `/m1/incoming/`  
  Download area
Voyager Instance Directories

- `/ml/voyager/xxxdb/`
  - `ini/`
  - `sbin/`
  - `log/`
  - `data/`
  - `mfhd.data/`
  - `tomcat/`

Single instance
- Configuration files
- Scripts
- Log files
- Bib keyword index
- MFHD keyword index
- Tomcat OPAC, etc

Tomcat Directories

- `/ml/voyager/xxxdb/tomcat/`
  - `vwebv/` OPAC front end
  - `vxws/` APIs / OPAC back end
  - `vpds/` PDS integration
  - `PSR/` Patron Self Registration
  - `smsproxy/` Proxy for SMS text notices
  - `vprimo/` Primo OvL OPAC
  - `vprimo01/` Primo OvL OPAC sandbox
Troubleshooting Voyager Connections and Components

Troubleshooting Steps and Tools

• Test Connection
  • Clients
  • telnet
• Test Function
  • Clients
  • Test Queries
• Test I/O
  • VACSDdebug
  • Logs
Key Voyager Logs

Main Voyager log
• /m1/voyager/xxdb/log/log.voyager

Apache Error and Access Logs
• /m1/shared/apache2/logs/xxdb/<apache logs>

Tomcat Logs (VWEBV & VXWS)
• /m1/voyager/xxdb/tomcat/logs/catalina.out

Voyager Maintenance Basics
Voyager Maintenance Basics

1. **Uptime**
2. **Disk Space**
3. **Regens**
4. **Tablespace**
5. **Log Rotation**

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**Uptime**

**Server**

7 Days

**Application**

24 hours

This is an application requirement not an OS requirement.
Disk Space

- Goal /m1 usage = 50-75%
- Avoid saving data to root partition
- Automate log rotation
- Watch for retention of Load/Export files.
- See article on clearing disk space

Regens

- Keyword v. Full Regens
- Static v. Dynamic Keyword files
- Keyword Regen Required:
  - (Dynamic File) > (Largest Static)/2
  - Following NOKEY bulk import
  - Keyword Index Corruptions suspected
- UTIL for Keyword Regens
Tablespace

- Voyager tablespace consists of datafiles
- Each data-file typically holds 4GB
- Errors in log.voyager, and alert_VGER.log
- Unable to write
- UTIL for tablespace

Log Rotation

- Affects disk space and usability
- log.voyager will cause errors if > 4GB
- 14 days of logs recommended
- Logrotate
- /rpt directory logs and delete files
ODBC

- Old manual and package has been retired
- Use the KCS article and new package.
- Only use 10g Client
- Remove old/failed Oracle Client installs
- Let support know the step that failed
Current Issues

• Field Order Configuration
  • RemoteAddressValve Configuration
• Office 365 deployment
• Windows 10
• RedHat 5 Support

Next Steps and Support Resources

• Include documentation links relative to the topic:
  • knowledge.exlibrisgroup.com/Voyager/Knowledge_Articles/Installation_and_Configuration_of_ODBC_for_Voyager
  • knowledge.exlibrisgroup.com/Voyager/Knowledge_Articles/Which_files_be_safely_removed_on_the_Voyager_server_to_clear_disk_space%3F
• Additional support resources within the ExLibris Ecosystem:
  • Idea Exchange
  • System Status Pages: Single Tenant ENV / Multi-Tenant ENV
  • Developer Network

• Technical Seminar Presentations
  (located in the Cross-Product section of the CKC)
Session Survey Evaluation

Please use the following link https://www.surveymonkey.com/r/techsem2017 to provide feedback on your sessions.

THANK YOU