

# Primo Reports

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**ExLibris**  
The bridge to knowledge

# Agenda

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- What is BIRT?
- Report Parameters
- Overview of Primo Reports
- Hands on
- Wrap-up

# What is BIRT?

- Open source platform to create data visualizations and reports:
  - Provides a development environment to create new reports.
  - Provide a framework to display reports.
- This framework is installed as a separate web application on Primo BO server:
  - `/exlibris/primo/p4_X/ng/primo/home/system/tomcat/publich/webapps/birt`

# How Does BIRT Work?

- BIRT uses data stored in the Oracle tables to create the reports.
- Reports are stored in XML files that include the following parameters:
  - Report parameters as input by the operator
  - Datasets – SQL queries retrieve the necessary data from the database
  - Report structure – how to present the data in the report
- Creating BIRT reports requires use of the BIRT Report Designer

# Creating New BIRT Reports

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- Customers can create their own BIRT Reports
- Requires creation of the Primo Reporting Schema (RTP00)
- For more information refer to the *Primo Technical Guide – Primo Reporting Schema and User-Defined Reports*

# Primo Reports

- Access via the Back Office → Monitoring and Maintenance → Reports
- Statistics Tables:
  - S\_CLICK\_SUMMARIES
  - S\_SEARCH\_SUMMARIES
    - System updates the table when the first of the following occurs:
      - 1,000 statistics were gathered
      - 30 minutes passes

# Report Parameters

- Date
  - Range
  - Single Day
- Institution
- View
- User group (“Group”) –
  - The user group based on information from PDS
  - Non-signed-in users are “GUEST”
  - Blank user group – remains blank

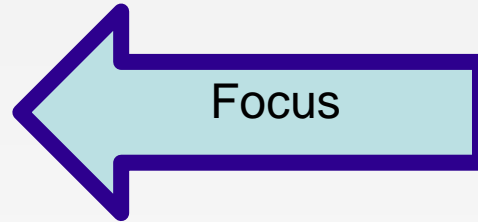
# Report Parameters

- Source – source of the action being counted
  - Primo Front End
  - Web Service
  - X-service
  - Deep Link
  - Services Page



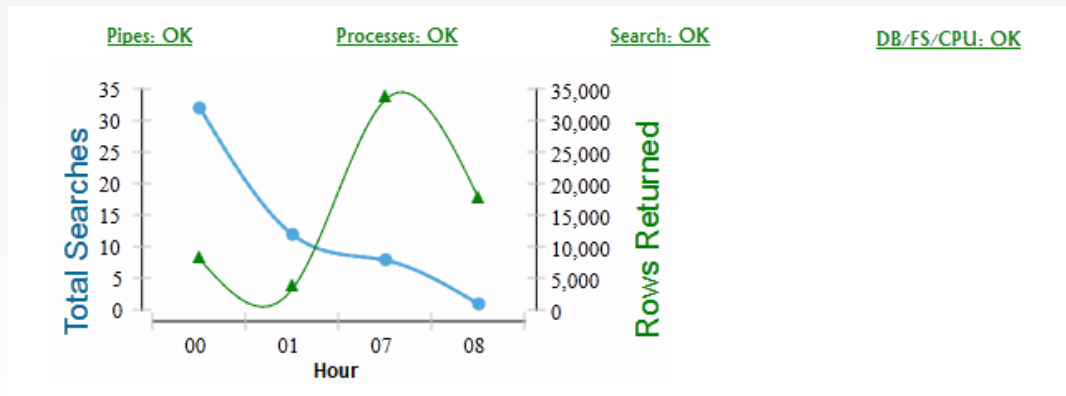
# Types of Reports

- List Reports
- Statistical Reports



# Overview of Primo Reports

# Dashboard



# Dashboard: overview of status of the system

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- Number of searches
- Search status (OK, Down, Slow)
- Pipes status (OK, Not OK)
  - Not OK = pipe failed
- Processes Status (OK, Not OK)
  - Not OK = process failed
- DB/FS/CPU Status (OK, Not OK)
  - Not OK:
    - Low free table space on Primo database.
    - High used file system space

# Search Statistics (New)

## Statistical Reports

- > [Browse String Statistics](#)
- > [Click Through Statistics](#)
- > [Hourly Remote Statistics](#)
- > [Hourly Search Statistics](#)
- > [PNX Click Statistics](#)
- > [PNX Statistics](#)
- > [Search Statistics](#)
- > [Search Strings Statistics](#)
- > [System Monitoring](#)
- > [Users Personal Sets Report](#)
- > [\[NEW\] Annual Event Statistics](#)
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- > [\[NEW\] Search Terms by Letter](#)
- > [\[NEW\] Top Search Terms](#)

- Number of searches
- Drill down to daily report – number of searches per hour
  - Average response time

# Annual Search Statistics (New)

## Statistical Reports

- > [Browse String Statistics](#)
- > [Click Through Statistics](#)
- > [Hourly Remote Statistics](#)
- > [Hourly Search Statistics](#)
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- Number of search per year/month

# Daily Search Statistics (New)

## Statistical Reports

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- > [Hourly Search Statistics](#)
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- > [\[NEW\] Top Search Terms](#)

- Hourly search report
- Average response time

# Search Terms by Letter (New)

## Statistical Reports

- > [Browse String Statistics](#)
- > [Click Through Statistics](#)
- > [Hourly Remote Statistics](#)
- > [Hourly Search Statistics](#)
- > [PNX Click Statistics](#)
- > [PNX Statistics](#)
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- > [\[NEW\] Top Search Terms](#)

- Number of search by letter
- Drill-down to search terms/number of searches



# Top Search Terms (New)

## Statistical Reports

- > [Browse String Statistics](#)
- > [Click Through Statistics](#)
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- Top 25 search terms

# Click Events (new)

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- > [\[NEW\] Top Search Terms](#)

- Counts number of times users invoked specific functionality
- Chart with top 10 most used functions
- See Excel for list of Click types

# Annual Event Statistics (new)

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- Number of times specific function invoked on yearly basis broken down to months
- See Excel for list events (=Clicks Types)

# Facet Clicks (New)

## Statistical Reports

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- Number of times a facet type was selected

# Search Statistics

## Statistical Reports

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- Statistics on search in a specified period
  - Number of searches
  - Search performance
  - Weekly report with drill-down to an hourly report

# Search Statistics Definitions

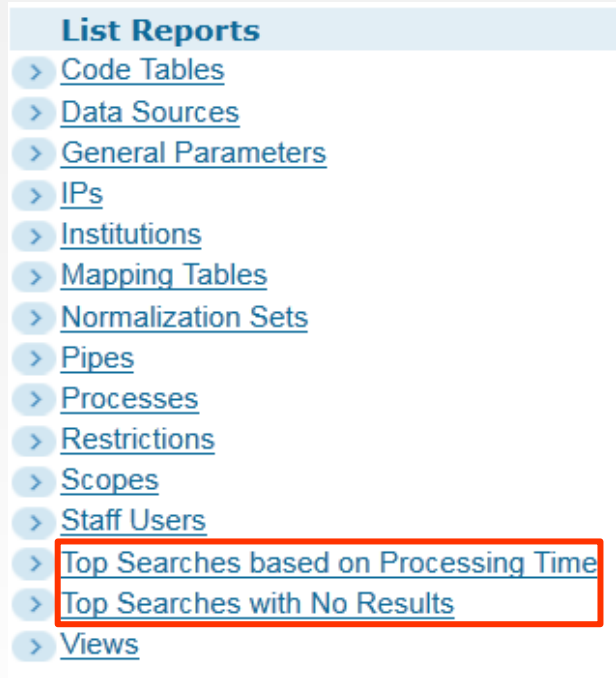
- Local = search in local Primo index
- DS (ds) = Deep Search. Includes:
  - Primo Central
  - Ebsco
  - WorldCat
  - And more if defined...
- Remote = MetaLib
- Blended
  - Local and DS → counted as Local
  - Any blended with Remote → counted as Remote

# Click Through Statistics

Statistical Reports	
>	<a href="#">Browse String Statistics</a>
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>	<a href="#">Hourly Search Statistics</a>
>	<a href="#">PNX Click Statistics</a>
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- Counts number of times users invoked specific functionality
- Chart with top 10 most used functions
- Drill-down per click
- See Excel for list of Click types

# Top Searches



- List all searches performed in the system for an institution
- For each search term gives
  - Number of searches performed
  - Average number of results
  - Average response time



# Search String Statistics

## Statistical Reports

- > [Browse String Statistics](#)
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- Reports on all searches per letter
- For each search term gives
  - Scope type (local, remote, ds)
  - Search count
  - Search response time

# Browse String Statistics

Statistical Reports	
>	<a href="#">Browse String Statistics</a>
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>	<a href="#">[NEW] Top Search Terms</a>

- Reports on all browse searches by letter
- Report is filtered by browse type
- For each search term gives
  - Number of strings
  - Number of searches

# Hourly Search Statistics

Statistical Reports	
>	<a href="#">Browse String Statistics</a>
>	<a href="#">Click Through Statistics</a>
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- Separate report for local and remote (MetaLib) searches
- Filtered for a specific day
- For each hour of the day gives
  - Total number of searches
  - Total number of searches by response time

# PNX Statistics

## Statistical Reports

- > [Browse String Statistics](#)
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- Gives an overview of all the records (PNXs) in the system
- Information available
  - Type of PNXs
  - State of PNXs (in the database and in the index)
  - Dedup and FRBR statistics

# System Monitoring

## Statistical Reports

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- Gives system information for a specific day
  - Memory usage
  - High IO rates
  - CPU incidents

# Questions?





**Thank You!**