

Keeping Clarity lean and mean.

Application administration best practices

Introductions

Let us introduce ourselves

Clarity PPM Consultant

KRITIKA RANA

2015 - TODAY

About Me

Clarity PPM Consultant with experience in implementations, support & Integrating PPM with other systems.

Active Community Member & CA Community Champion.



Introduce Yourself

Help grow the Clarity PPM Community

- Turn to a person near you (preferably someone you don't know)
- Introduce Yourself
- Swap Business Cards



Agenda

Keeping Clarity lean and mean.
Application administration best practices

Keeping Clarity Lean & Mean

WHY



HOW

Keeping Clarity lean and mean



Review

Housekeeping

Monitoring

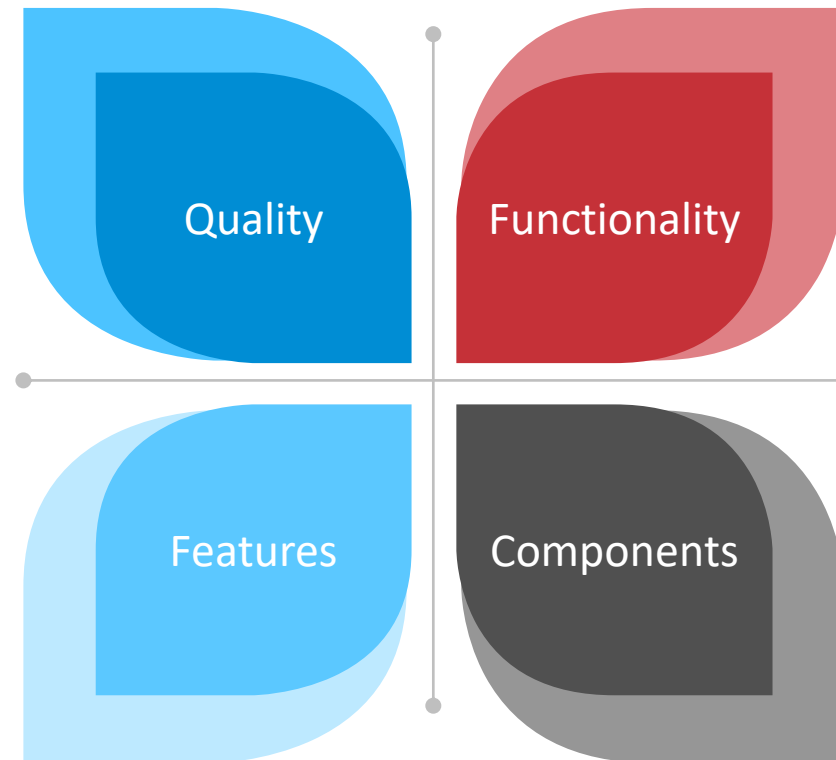


Review

Keeping Clarity lean and mean

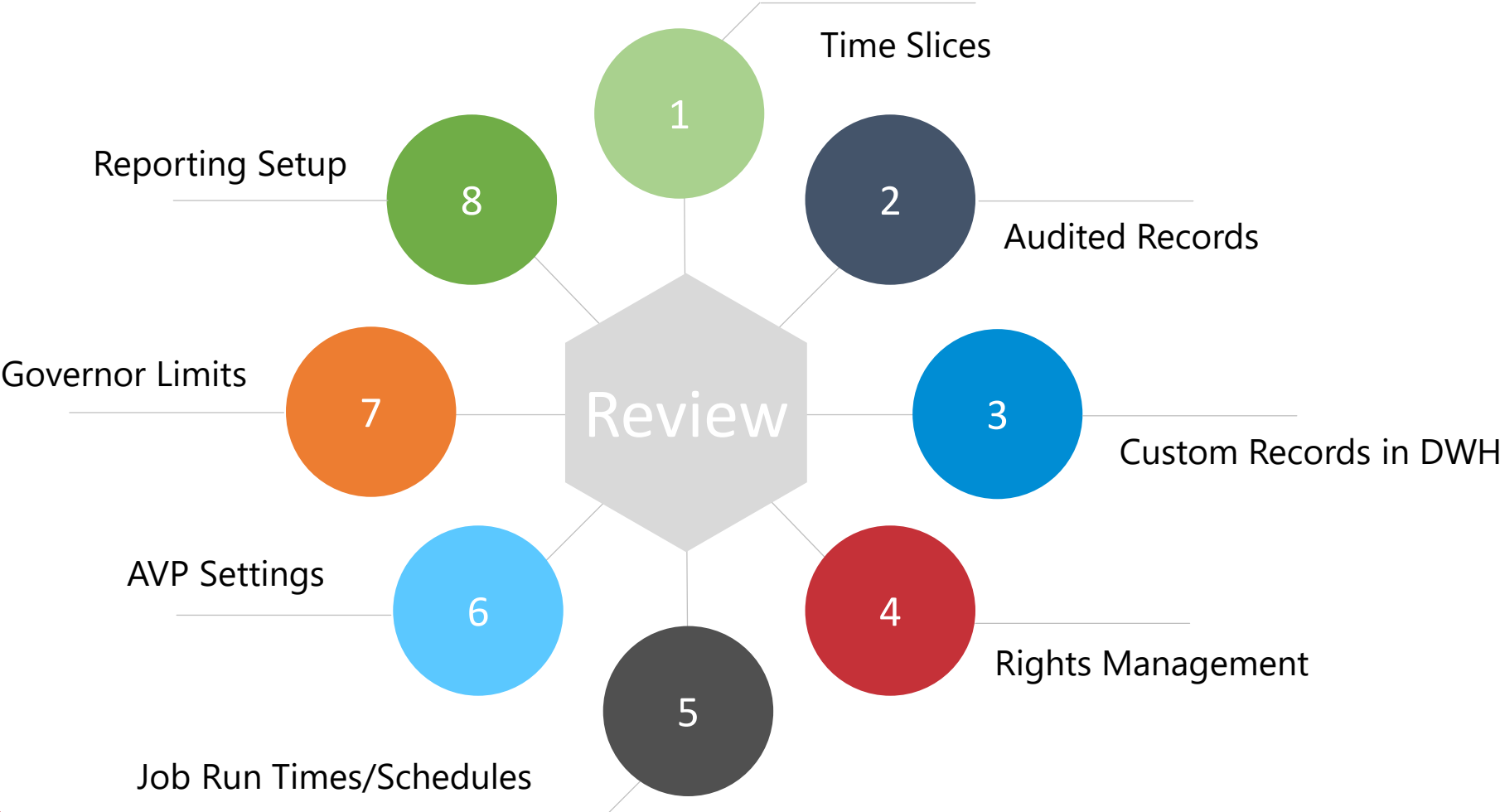
Review

- A formal assessment of application with the intention of instituting change if necessary.
- Review of an application includes validation of :



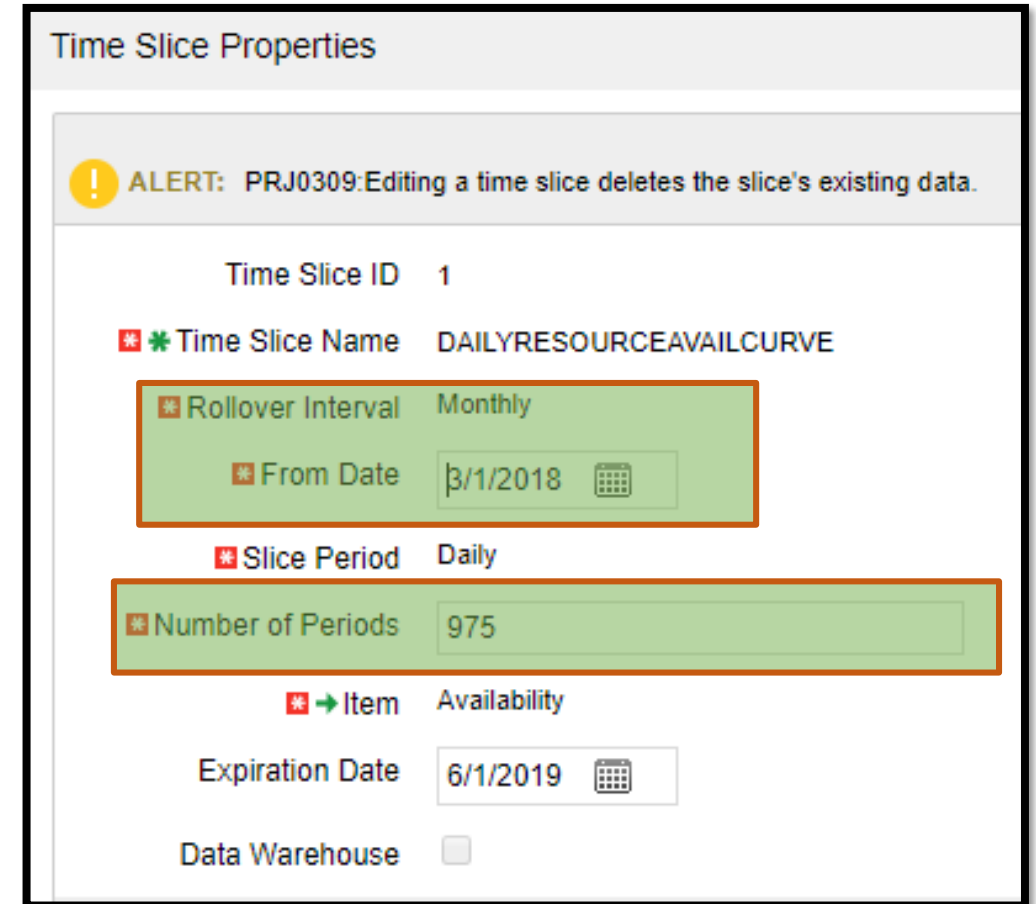
Review

Different Areas



Review : Time Slices

- Time slicing extracts BLOB's data into a readable flat table.
- The data in the tables depend on the time slice window.
- Ensure following settings in time slice window are configured properly
 - Rollover Interval
 - From Date
 - Number of Periods



The screenshot shows a 'Time Slice Properties' configuration window. At the top, there is an alert: 'ALERT: PRJ0309:Editing a time slice deletes the slice's existing data.' Below the alert, the configuration fields are as follows:

- Time Slice ID: 1
- Time Slice Name: DAILYRESOURCEAVAILCURVE
- Rollover Interval: Monthly
- From Date: 3/1/2018 (with a calendar icon)
- Slice Period: Daily
- Number of Periods: 975
- Item: Availability
- Expiration Date: 6/1/2019 (with a calendar icon)
- Data Warehouse:

Two green boxes with orange borders highlight the 'Rollover Interval' and 'From Date' fields, and the 'Number of Periods' field.

Review : Time Slices

- For Monthly & Daily slices, 'From Date' should be on the 1st of the month.
- No daily slice definitions should cover a range of over 2 years.
- If you need past historical data to be sliced, use monthly time slices.
- Some Specific Recommendations:

Slice Period	Slice Name	Curve	From date	Number of Periods
Daily	Estimates	DAILYRESOURCEESTCURVE	Start of the current month	400 days
Daily	Actuals	DAILYRESOURCEACTCURVE	Start of the current month, going back 1 year	740 days
Daily	Baseline	DAILYRESOURCEBASECURVE	Start of the current month, going back 1 year	740 days
Daily	Availability	DAILYRESOURCEAVAILCURVE	Start of the current month, going back 1 year	740 days
Daily	Allocation	DAILYRESOURCEALLOCCURVE	Start of the current month, going back 1 year	740 days
Monthly	FISCAL time slice ID		Start of the current month, going back 1 year	72 Months

Review : Audited Records

- If an object's attribute is audit enabled, it creates records on each and every insert/update/delete on that attribute.
- Excessive auditing could potentially slow down your system and would create huge audit information.
- Ensure audit records are purged (archived elsewhere) on regular intervals.
- Admin Purpose custom objects are not audited until necessary.

Object Setting in Administration should not be kept blank as it means that the audit records will never be purged for this object.



Purge Audit Trail

Days after which audit records will be purged

Review : Custom records in DWH

Don't include in DWH unnecessarily

- Custom objects should not be included for DWH if not needed for reporting.
- Only attributes needed for reporting should be included for DWH

value Required

Presence Required

Read-Only
(In order to make an attribute read-only)

* API Attribute ID
(This is the attribute id used in the RES)

Include in the Data Warehouse

Include in the Data Warehouse Trending

Object: Agile Burn Down - Properties

Content Source

Description

Master or Subobject Master Subobject

Partition

Master

Event Enabled

Include in the Data Warehouse

Copy Enabled

Export Enabled

View All Enabled

Review : Access Rights

- Refrain from giving individual instance rights as far as possible.
- Rights should preferably be assigned using groups & OBS.
- Investigate if the rights from inactive users can be removed.
- Duplication of rights should be avoided as far as possible.

Review : Job Run Times/Schedules

- Ensure Jobs are not scheduled more frequently than required.
- Review if the jobs are taking longer than expected
 - Further investigation is needed to identify the issue
 - Consider if job schedule needs to be adjusted
- Incompatible jobs are not scheduled to run simultaneously

Jobs incompatible with
Time Slicing



1. Rate Matrix Extraction
2. Datamart Extraction
3. Datamart Rollup
4. Post Transactions to Financials
5. Import Financial Actuals
6. Post Timesheets
7. Update Aggregated Data

Review : Job Run Times/Schedules

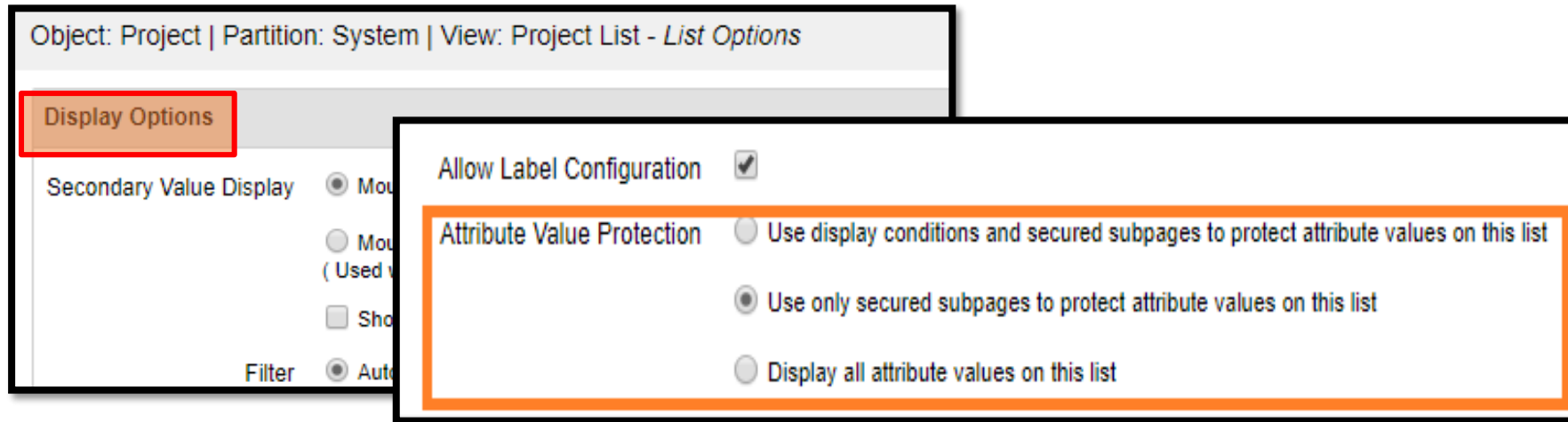
- Make sure that the job run sequence is correctly defined.
- Avoid running the following jobs during normal peak production business hours:
 - Rate Matrix Extraction (also known as *Full* run)
 - which runs with job parameters:
 - Extract Cost for Schedulers (optional)
 - Prepare Matrix Data
 - Update Matrix Data
 - Datamart Extraction
 - Datamart Rollup
 - Load Data Warehouse (Full Run)

Typical sequence of Job runs

1. Time Slicing job (run every minute)
2. Investment Allocation job (run every day)
3. Rate Matrix Extraction (also known as *Incremental* run) which runs with options:
 - I. Extract Cost for Schedulers (optional)
 - II. Prepare Matrix Data
 - III. Update Matrix Data
 - IV. Incremental
4. Post Timesheets
5. Purge Temporary Aggregated Data
6. Update Aggregated Data
7. Update Earned Value History
8. Update Earned Value Totals
9. Create Earned-Value Snapshots
10. Update Business Objects Report Tables
11. If you use the financial posting module:
 - I. Post Transactions to Financials
 - II. Post to WIP
 - III. Import Financial Actuals

Review : AVP Settings

- AVP(Attribute Value Protection) settings are used to restrict the attribute display in list views.



- Secured pages are recommended over display conditions.
- If security is not needed in list view, use display all.

AVP Setting	Display of column value in List View
Use Display Conditions & Secured Subpages	Checks are done for each attribute column if the attribute is on a secured subpage and the end-user has the appropriate right. Checks are done on each row of the attribute column if the value for the attribute on the row meets the display condition criteria
Use only Secured subpages	Checks are done for each attribute column if the attribute is on a secured subpage and the end-user has the appropriate right.
Display all attributes	No Checks

Review : AVP Settings

Queries to identify the objects and views with AVP setting set as full

```
SELECT
  code AS OBJECT_VIEW,
  CASE
    WHEN use_display_conds_for_security = 0
    THEN 'SECURE SUBPAGES'
    WHEN use_display_conds_for_security = 1
    THEN 'FULL AVP'
    ELSE 'LOWEST'
  END AS AVP_SETTING
FROM cmn grids
WHERE principal type = 'SYSTEM'
  AND (USE_DISPLAY_CONDS_FOR_SECURITY=1
  OR use_display_conds_for_security =2)
  AND (dal_type = 'object'
  OR dal_type = 'system')
  AND code IS NOT NULL
```

To identify objects

```
SELECT
  code AS OBJECT_VIEW,
  CASE
    WHEN use_display_conds_for_security = 0
    THEN 'SECURE SUBPAGES'
    WHEN use_display_conds_for_security = 1
    THEN 'FULL AVP'
    ELSE 'LOWEST'
  END AS AVP_SETTING
FROM cmn grids
WHERE principal type = 'USER'
  AND (USE_DISPLAY_CONDS_FOR_SECURITY=1
  OR use_display_conds_for_security =2)
  AND (dal_type = 'object'
  OR dal_type = 'system')
  AND code IS NOT NULL
```

To identify Custom Views

Review : AVP Settings

Queries to update AVP setting (Approved by Product Development team)

```
UPDATE cmn_grids
SET use_display_conds_for_security=0
WHERE id IN
( SELECT id
  FROM cmn_grids
  WHERE principal_type = 'SYSTEM'
  AND (USE_DISPLAY_CONDS_FOR_SECURITY=1
  OR use_display_conds_for_security =2)
  AND (dal_type = 'object'
  OR dal_type = 'system')
)
```

To update Object Lists

```
UPDATE cmn_grids
SET use_display_conds_for_security=0
WHERE id IN
( SELECT id
  FROM cmn_grids
  WHERE principal_type = 'USER'
  AND (USE_DISPLAY_CONDS_FOR_SECURITY=1
  OR use_display_conds_for_security =2)
  AND (dal_type = 'object'
  OR dal_type = 'system')
)
```

To update grids customized by users derived from objects

Review : Governor Limits

- Governor limits are the maximum rows allowed for different areas in PPM i.e. number of rows in excel export, number of rows in GEL script.
- Path to obtain the settings from Application:
 - Administration → Security & Diagnostics → Health Report → Application → Governor Limits

Category		Status
Service Name	Clarity3125 Beacon	◆
Multicast Port	9025	
Multicast Address	230.0.0.25	
- Governor Limits		
Document Size	20	◆
Export to Excel	25000	◆
Objects/NSQL Limit	50000	◆
SQL GEL Rows	100000	◆
CSV GEL Rows	25000	◆
Timesheet Tasks	250	◆
Max XML Nodes	150000	◆
Max Investment Attributes	700	◆
PFM Limit on Roles	75	◆
Export to Excel(App)	25000	◆

- These limits help performance and should not be violated as far as possible.
- In cases where larger volume of data is needed, alternate ways like Jasper reports, interfaces etc. should be considered.

Review : Governor Limits

- If changing the Governor limits is really the need, below is path to governor limit settings on server:
 - [Clarity_Home]/config/governor.properties

Governor.properties file

```
#Maximum Document upload Size
DMS_DOCUMENT_MAX_SIZE=20
#Maximum rows for Export to Excel
E2E_MAX_ROWS=25000
#Maximum row limit for Objects and NSQL Portlets
MAX_FETCH_LIMIT=50000
#Maximum GEL rows allowed
MAX_SQL_GEL_ROWS=100000
#Maximum GEL CSV rows allowed
MAX_CSV_GEL_ROWS=25000
#Maximum tasks allowed in a timesheet
MAX_TIMESHEET_TASKS=250
#Maximum allowed XML nodes in a XOG read
MAX_XML_NODES=150000
#Maximum attributes allowed in a PFM Portfolio
PFM_LIMITS_MAX_INV_ATTRS=700
#Maximum roles allowed
PFM_LIMITS_MAX_ROLES=75
#Maximum rows for Export to Excel, application level
E2E_MAX_ROWS_APP=25000
#Timer for Export to Excel.
E2E_TIMER=600
#Maximum todos allowed per task
MAX_TODOS_PER_TASK=25
#Maximum documents allowed for Upload
DMS_MAX_DOCUMENTS=5
```

Review : Reporting Setup

- JasperSoft server can be setup as Standalone or Clustered.
 - Standalone server is used for both the concurrent and scheduled executions.
 - In Clustered environment, you can choose to have a separate report scheduler instance.
- Ability to separate out scheduled reports onto a different server removes the load from the main server, improving the performance of concurrent reports.
- Increasing the export page limit for JasperSoft reports is not recommended.

Review : Tomcat Logs

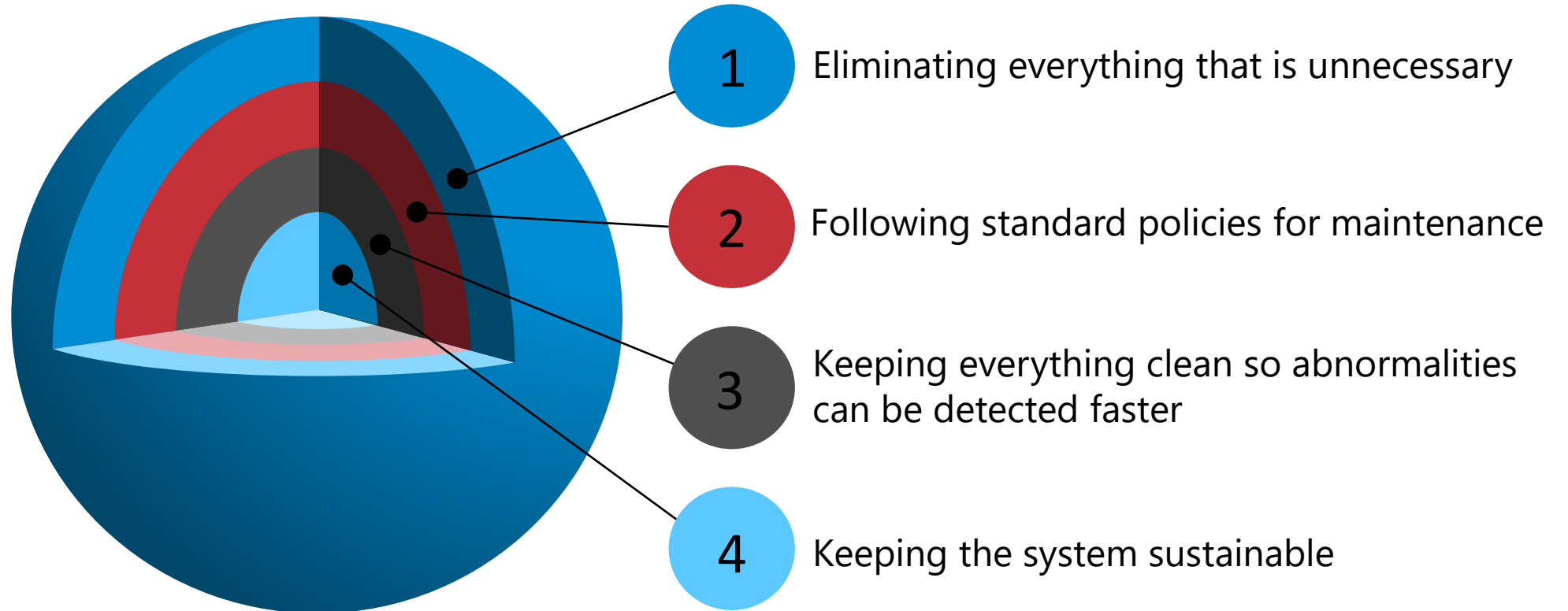
- The tomcat logs provide the overall analysis for the system
- In the recent versions, tomcat logs can also be imported into Clarity.
- They provide vital information like :
 - Top 20 slow pages
 - Frequently Viewed pages
 - Data Peaks
- It can help us in finding patterns and trends in the system.

Housekeeping

Keeping Clarity lean and mean.

Housekeeping

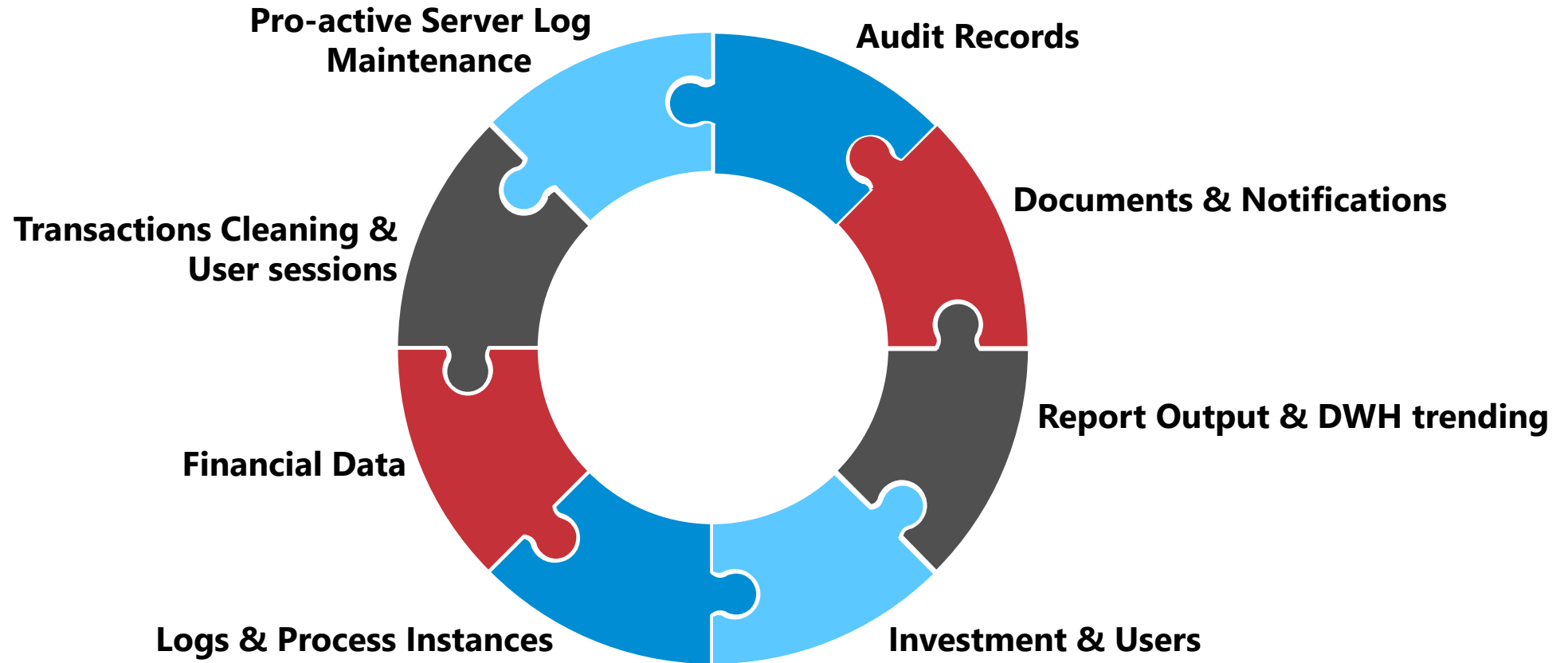
- Housekeeping can be described as :



Data Retention Policy is required to drive the housekeeping.

Housekeeping

Different areas





- Related tables:
 - CMN_AUDITS
 - CMN_AUDITS_TSV
- Recommended Record Threshold
 - Not more than 1 million records
- OOTB Job:
 - Purge Audit Trail
 - Job Parameter : defined on object.
 - Administration → Objects → [Object Name]
 - → Audit trail → Purge Audit Trail

Purge Audit Trail

Days after which audit records will be purged

Job Definition

General

* Job Name

When

* When Immediately Scheduled

* Start Date

* Start Time

Recurrence

[\[Set Recurrence\]](#)

Audit records will never be purged if this field is left blank.



- Documents table:
 - CLB_DMS_FILES
- OOTB Job
 - Purge Documents
 - This jobs deletes the documents based on specified parameters.
- Do not run it on regular basis unless this is the requirement.

Job Definition



The screenshot shows the configuration for a job type named 'Purge Documents'. The 'Job Name' is set to 'Purge Documents'. Under the 'Parameters' section, several options are highlighted with yellow boxes: 'All Projects', 'All Resources', 'All Companies', and 'Knowledge Store'. Each of these options has an unchecked checkbox. Below each highlighted option is a text field for 'Project OBS', 'Resource OBS', 'Company OBS', and 'Knowledge Store' respectively, each with a clear button (X) and a help icon (??). There are also sections for 'Purge All Documents for the Following Objects' with sub-options for '[Or] Purge Documents and Versions Not Accessed for [n] Days' and '[Or] Retain the [n] Most Recent Versions and Purge the Prior Versions', each with an unchecked checkbox and a text input field.



- Users cannot delete the action items/notifications via UI.
- Notifications table:
 - CLB_NOTIFICATIONS
- OOTB Job
 - Purge Notifications
 - This jobs deletes the notifications based on specified parameters.

Job
Definition



Job Type: Purge Notifications - Job Properties

General

* Job Name Purge Notifications

Parameters

* Notification Type

From Created Date Specific Date

Relative Date [-- Select --]

To Created Date Specific Date

Relative Date [-- Select --]

Assignee

Assignee OBS

Save Parameters



Report Output & DWH Trending

Report Output

- Related tables:
 - CMN_RPT_RUN_REPORTS
- This will reduce the burden on the reports table.
- OOTB Job
 - Purge Report Output
 - This jobs deletes the report output based on format, specific report name, dates and run by parameters.

Job Definition

The screenshot shows a 'Job Definition' form for a 'Purge Report Output' job. The form is divided into two main sections: 'General' and 'Parameters'. In the 'General' section, the 'Job Name' is set to 'Purge Report Output'. In the 'Parameters' section, the 'Format' is set to 'ALL', and there are fields for 'Report', 'From Run Date', 'To Run Date', and 'Run By'. The 'From Run Date' and 'To Run Date' fields have radio buttons for 'Specific Date' and 'Relative Date'. The 'Run By' field has a dropdown menu and a 'Run By' icon.



Report Output & DWH Trending

DWH Trending

- If trending is used, then the data will grow rapidly over the period of time.
- Related tables which get cleared:
 - DWH_TRD_INV_INVESTMENT
 - DWH_TRD_INV_INVESTMENT_LN
 - DWH_TRD_RES_RESOURCE
 - DWH_TRD_LKP_OBS_UNIT
 - DWH_TRD_INV_OBS_MAPPING
 - DWH_TRD_RES_OBS_MAPPING
 - DWH_TRD_INV_MONTH_FACTS
 - DWH_TRD_RES_MONTH_FACTS
 - DWH_TRD_INV_SUM_FACTS
- OOTB Job
 - Delete Data Warehouse Trend
 - This job deletes previous snapshots by specifying a named trend or by entering a specific date or relative date.

Job Definition

The screenshot shows the 'Job Definition' configuration window for a job named 'Delete Data Warehouse Trend'. The window is titled 'Job Type: Delete Data Warehouse Trend - Job Properties'. It is divided into two main sections: 'General' and 'Parameters'. In the 'General' section, the 'Job Name' is set to 'Delete Data Warehouse Trend'. In the 'Parameters' section, the 'Trend Action' is 'Select a trend or date to delete data warehouse trends'. There are two options for 'Delete Trends Created Prior To': 'Specific Date' (selected) and 'Relative Date'. The 'Specific Date' option has a date picker icon, and the 'Relative Date' option has a dropdown menu with '-- Select --'. A 'Save Parameters' button is located at the bottom of the window.



- Related objects for which tables get cleared on deletion of investments:
 - Investments
 - Team
 - Tasks
 - Financials
 - Security Groups
 - Timesheets
 - Hierarchy
- OOTB Job
 - Delete Investments and Time Reporting Periods
 - This jobs deletes the data for inactive marked investments and time periods.
- Reduced data results into faster query execution.

Investments & Users

Investments

Job Definition

The screenshot shows a configuration window titled "Job Definition" for a job named "Delete Investments and Time Reporting Periods". The window is divided into two main sections: "General" and "Parameters".

- General:** Contains a "Job Name" field with the value "Delete Investments and Time Reporting Periods".
- Parameters:** Contains a checkbox labeled "Delete Marked Investments with Timesheet and Transaction Data", which is currently unchecked.

A "Save Parameters" button is located at the bottom of the window.



- When a user leaves, the system access related data can be removed which will reduce burden on the security tables.
- This will comply with GDPR Policies.
- It includes:

01

Removal of Access Rights
Security tables become light

02

Removing Group Membership
Security tables become light

03

Making the user inactive
Saving a license



Logs & Process Instances

Process Instances

- Related Tables for process runs:
 - BPM_ERRORS
 - BPM_RUN_STEPS
 - BPM_RUN_PROCESSES
- Heavy process instance tables have major impact on
 - Process run times
 - Process validations
 - BG server
- OOTB Job
 - Delete Process Instance



Job Type: Delete Process Instance - Job Properties

General

Job Name: Delete Process Instance

Parameters

Process Name: [Text Field]

Process Instance Status: [-- Select --]

Finish Date From: Specific Date [Calendar Icon] Relative Date [-- Select --]

Finish Date To: Specific Date [Calendar Icon] Relative Date Start of Previous Quarter

Process Instance OBS: [Selection Icon]

Object Type: [Selection Icon]

Initiated By: [Selection Icon]

Initiator OBS: [Selection Icon]



- Job runs create data in these tables:
 - CMN_SCH_JOB_LOGS
 - CMN_SCH_JOB_RUNS
- OOTB Job
 - Remove Job Logs and Report Library entries
- Removal of job logs will make execution of jobs faster.

Job Definition

The screenshot shows a web form titled "Job Definition" for a job type "Remove Job Logs and Report Library". The form is divided into two sections: "General" and "Parameters". In the "General" section, the "Job Name" field is highlighted with an orange box and contains the text "Remove Job Logs and Report Library". In the "Parameters" section, the "Job age for delete" and "Report age for delete" fields are also highlighted with an orange box. A "Save Parameters" button is located at the bottom of the form.



Logs & Process Instances

Tomcat Log Analysis Data

- When we run the 'Tomcat access log import/analyse' job, following tables are populated:
 - LOG_DETAILS
 - LOG_FILES
 - LOG_REPORTDEFS
 - LOG_SESSIONS
 - LOG_SUMMARY
- Bulky logs will cause slowness in the system analysis portlets.
- OOTB Job
 - Delete Log Analysis Data
- Recommended Record Threshold
 - Not older than 45 days

Job Definition

The screenshot shows a web-based configuration interface for a job. At the top, it says 'Job Type: Delete Log Analysis Data - Job Properties'. Below this, there are two main sections: 'General' and 'Parameters'. In the 'General' section, the 'Job Name' is set to 'Delete Log Analysis Data'. In the 'Parameters' section, 'Log retention in days' is set to 30 and 'Session token retention in days' is set to 14. A 'Save Parameters' button is located at the bottom of the form.



- Financial data is stored in following tables:
 - FIN_FINANCIALS
 - PPA_WIP
 - PPA_WIP_VALUES
 - All other financial tables
- Heavy Financial tables tend to slow down the processing in cost/benefit/budget plans.
- Note:
 - The investment is financially closed before running this job.
 - This should be marked incompatible to itself.
- OOTB Job:
 - Purge Financial Tables
 - This job permanently deletes all financial transactions for the specified project, including WIP entries.

Job Definition

Job Type: Purge Financial Tables - Job Properties

General

Job Name: Purge Financial Tables

Parameters

Investment: [Empty field]

Save Parameters

When



Transaction Cleaning & User sessions

Transaction Cleaning

Proper monitoring of transaction Failures

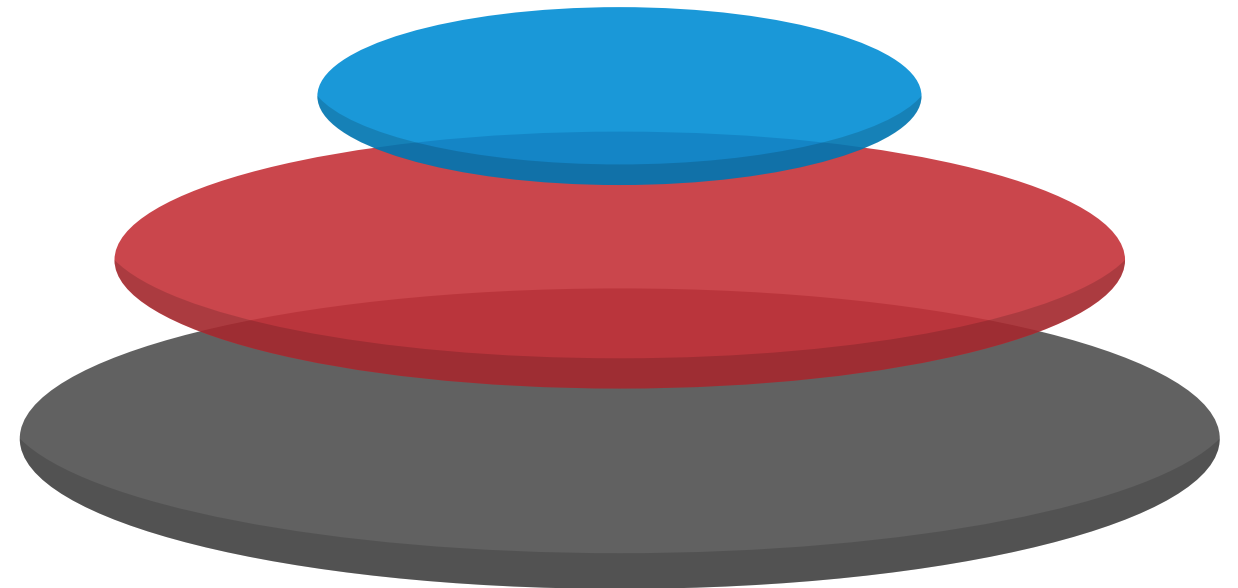
1

Clear Erroneous transactions from IMP_TRANSACTIONIMPORT table

2

Clear any Hold transactions older than a pre-decided time

3





- Related tables:
 - CMN_SESSIONS
 - CMN_SESSION_AUDITS
 - LOG_SESSIONS
- Over a period of time, unmanaged user session table will adversely impact user login time.
- OOTB Jobs:
 - Clean User Sessions
 - Clean Open Expired User Sessions

Job Type: Clean User Session - Job Properties

General

Job Name Clean User Session

When

When Immediately Scheduled

Job Type: Demo - Clean Open Expired User Sessions - Job Properties

General

Job Name Demo - Clean Open Expired User Ses:

Parameters

Clean Out Open User Sessions Older than 1

Save Parameters



Pro-active Server Log Maintenance

- The Clarity PPM logs are not deleted automatically.
- Those need to be maintained explicitly.
- The heaviest logs are app-access logs which contain each and every action of the users.
- So, to keep the server space free and system light, the logs should be deleted as per the data retention policies in the organisation.

Monitoring

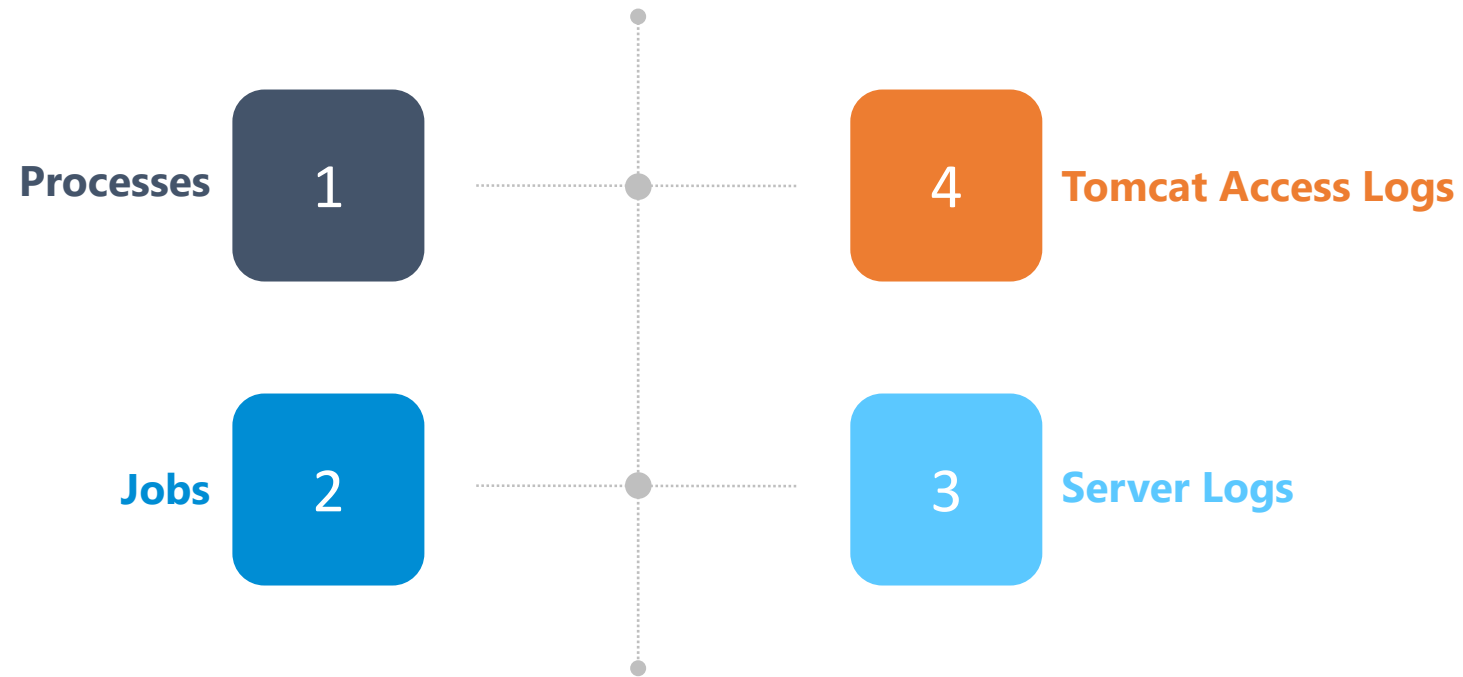
Keeping Clarity lean and mean.

Monitoring

Be Pro-active, not reactive

- Operationally, proactive monitoring provides a view into the health and status of services.
- Allows us to understand:
 - How the system is performing,
 - Along with identifying potential areas for upcoming issues.

Monitoring



Monitoring : Processes

- Process Checks

Process Initiation & Run time



BPM_ERRORS table size



Excessive logging



Stuck processes



Process instances more than threshold value



Long running queries in processes

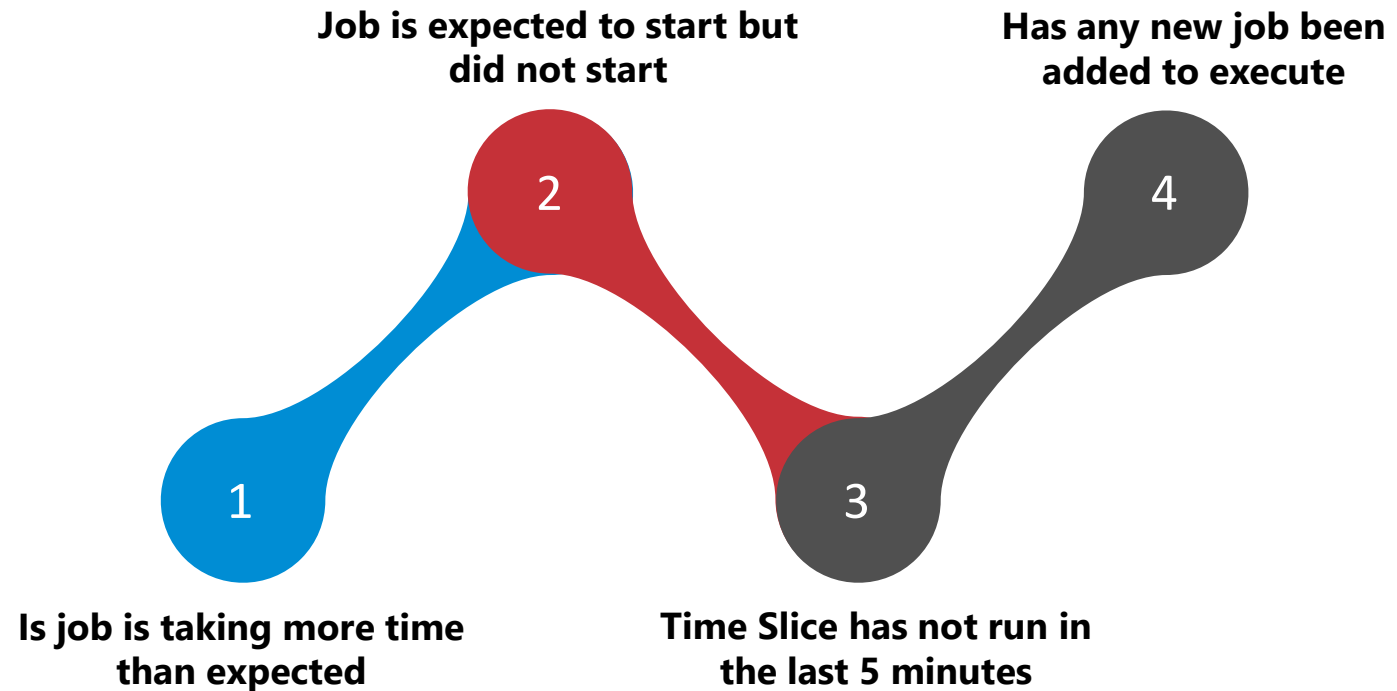


Monitoring : Processes

- Steps to troubleshoot/Analysis:
 - Create a matrix with expected run times for critical processes.
 - Create a matrix with expected number of process instances.

Monitoring : Jobs

- Questions for investigation:



Monitoring : Jobs

What and How to monitor

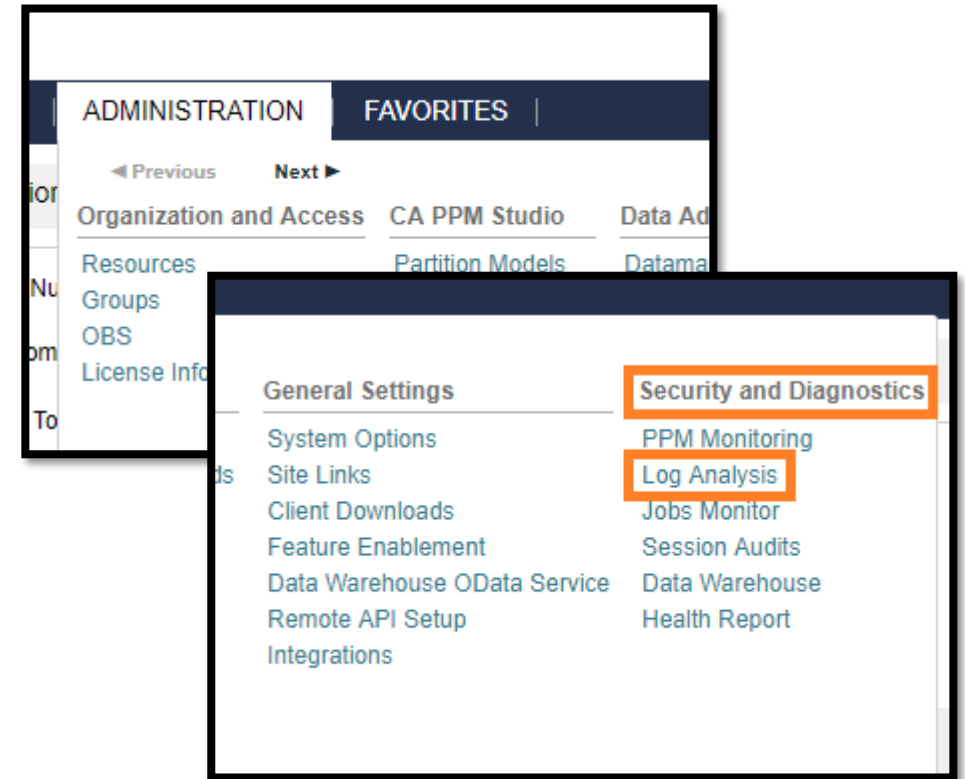
- Steps to troubleshoot/Analysis:
 - Create a catalogue of all scheduled jobs with expected run-times.
 - Any new job found should be added to this catalogue with its expected run time.
 - Try to determine if the longer run time is because of high volume of data/processing in the job

Monitoring : Logs

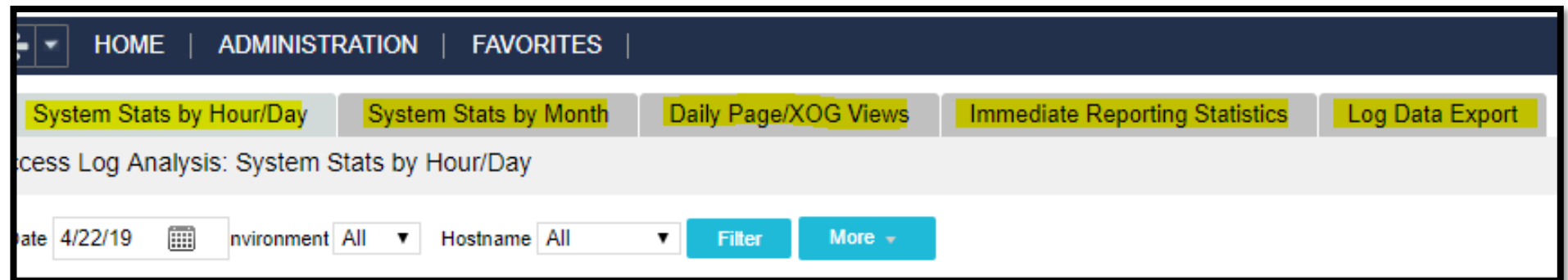
- app-ca, bg-ca logs daily monitoring for:
 - SQL error alert
 - Application error alerts
- Size of log-files should be monitored.

Monitoring : Tomcat Access Logs

- Available from Clarity PPM 15.3
- Gives the overall system Information within the Clarity PPM Application
- Allows pro-actively monitor the system usage
- **Pre-Requisite:** 'Tomcat access log import/analyze' job should be scheduled.
- Once the logs are imported, we can analyse the system using '**Security and Diagnostics**' section in Administration menu, on following link:
 - Logs Analysis

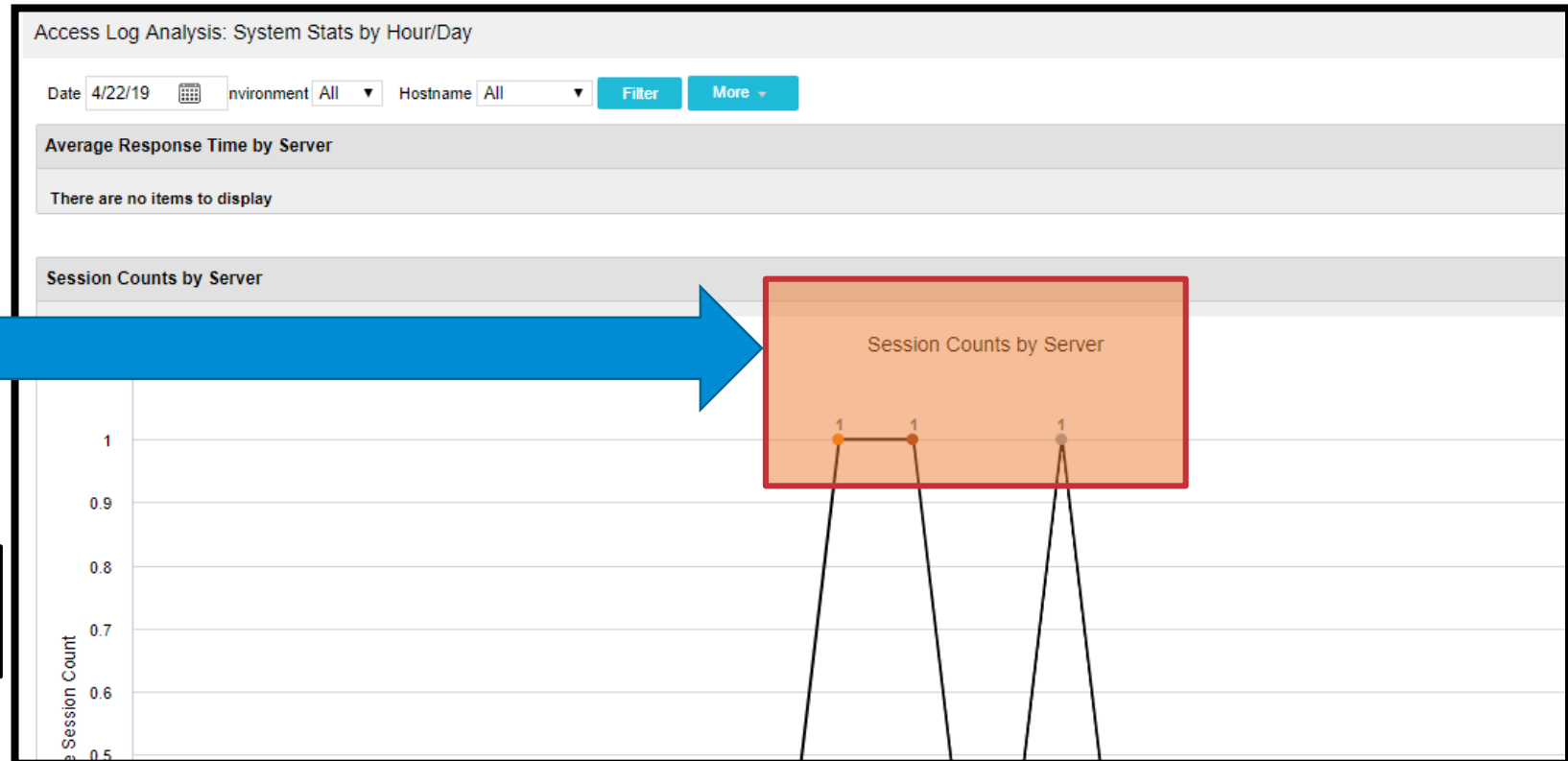
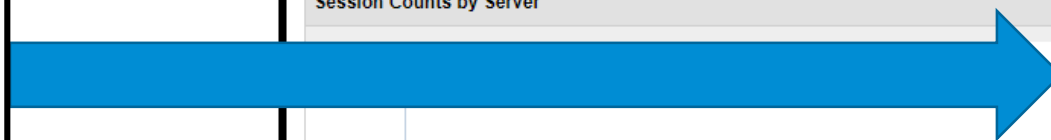


- The Log Analysis page contains 5 tabs as below: (highlighted as the tabs)
 - System Stats by Hour/Day
 - System stats by Month
 - Daily Page/XOG Views
 - Immediate Reporting Statistics
 - Log Data Export



- The **'System Stats by Hour/Day'** tab contains three portlets:
 - Average Response Time by Server
 - **Session Counts by Server**
 - Slow Actions by Day

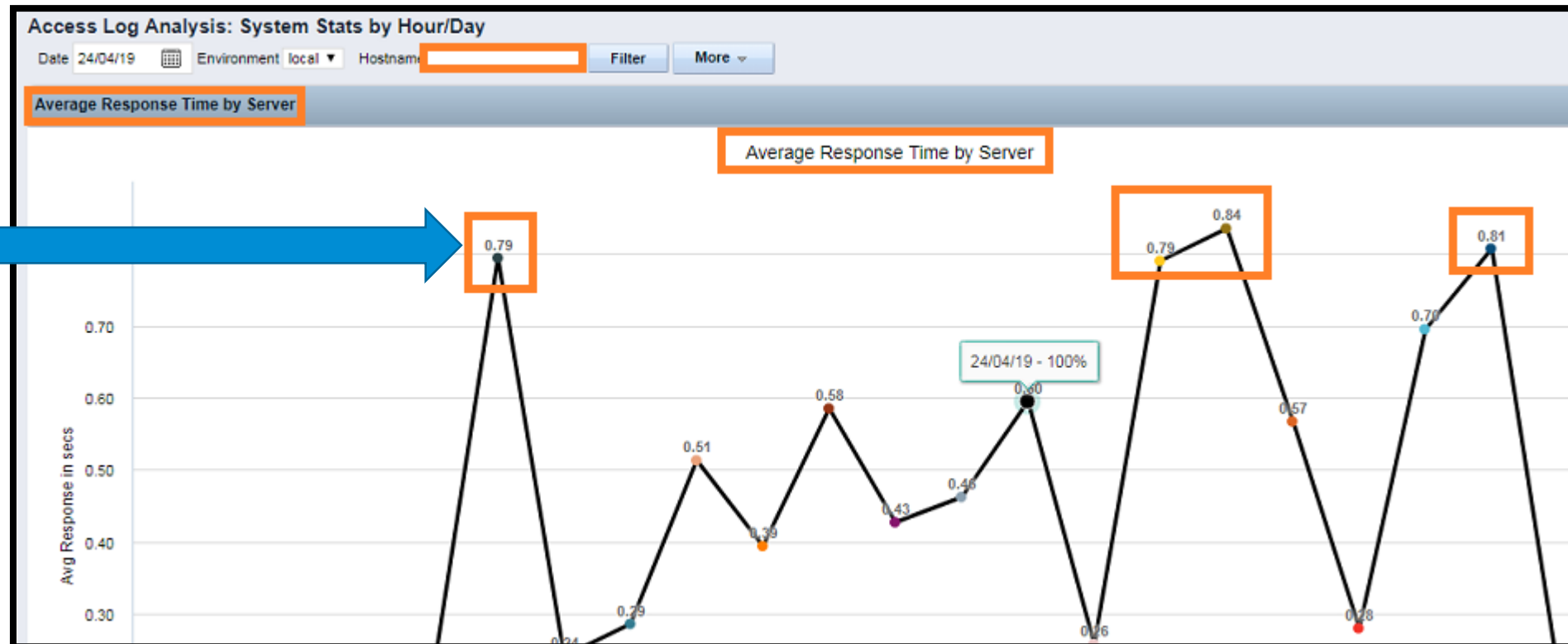
Session Count on the server for a specific date



The number of session counts shows the patterns of load on the system on any day

- Average Response Time by Server portlet
 - Peak in response time can be because of heavy queries, jobs, and processes running simultaneously Or a result of excessive user load at that particular time subject to further investigation

Peak of response time in a day

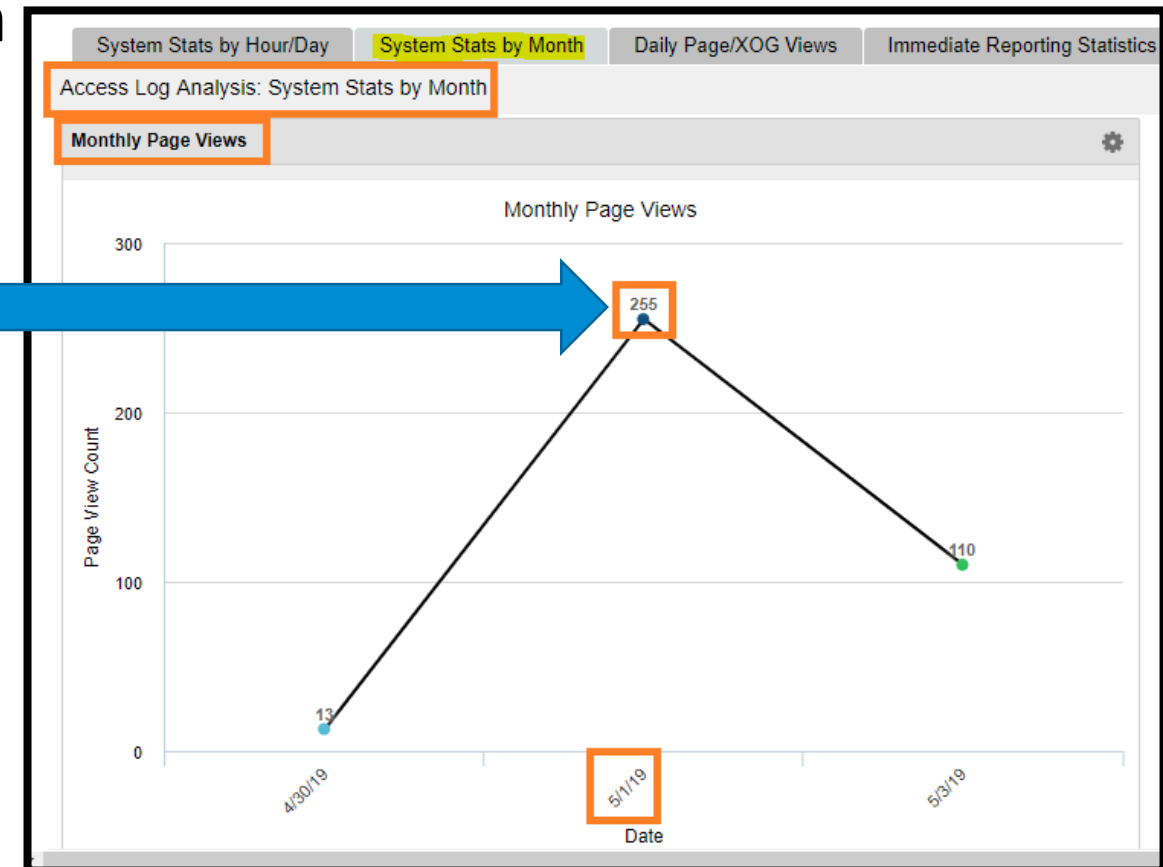


- The 'System Stats by Month' tab contains five portlets:
 - Monthly Page Views
 - Monthly Page Views by Server
 - Monthly Session Counts
 - Monthly XOG Requests
 - Monthly XOG Requests by Server

- Different portlets : **Monthly Page Views**
- Total views on any pages in the system on a particular date in the selected month.

Page view count
on 5/1/2019

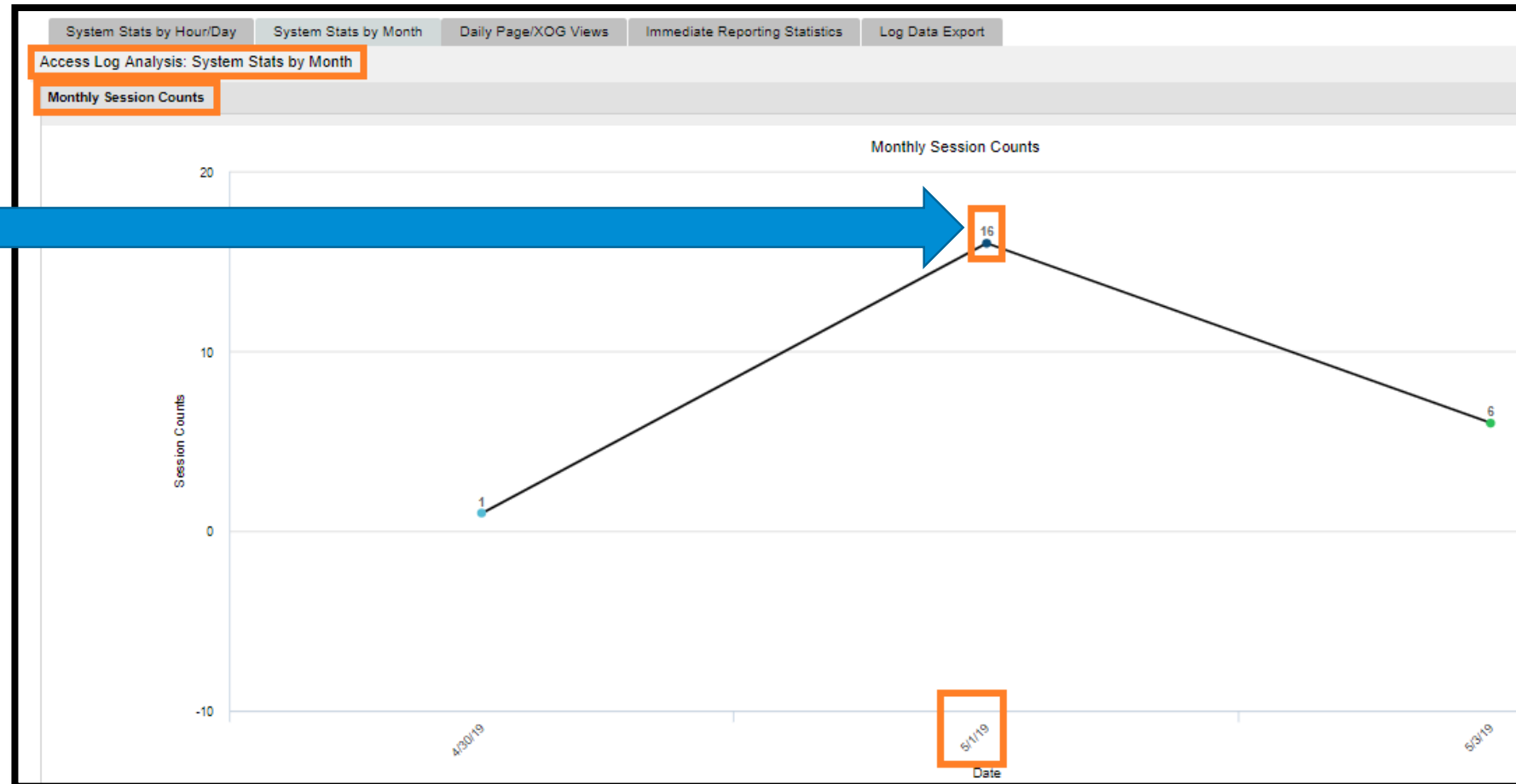
The number of page views in this portlet shows the usage pattern of pages through out the month



- Different portlets : **Monthly Session Counts**

Session count on a particular date in specified month

The number of session counts in this portlet shows the user login patterns in the system in a particular month

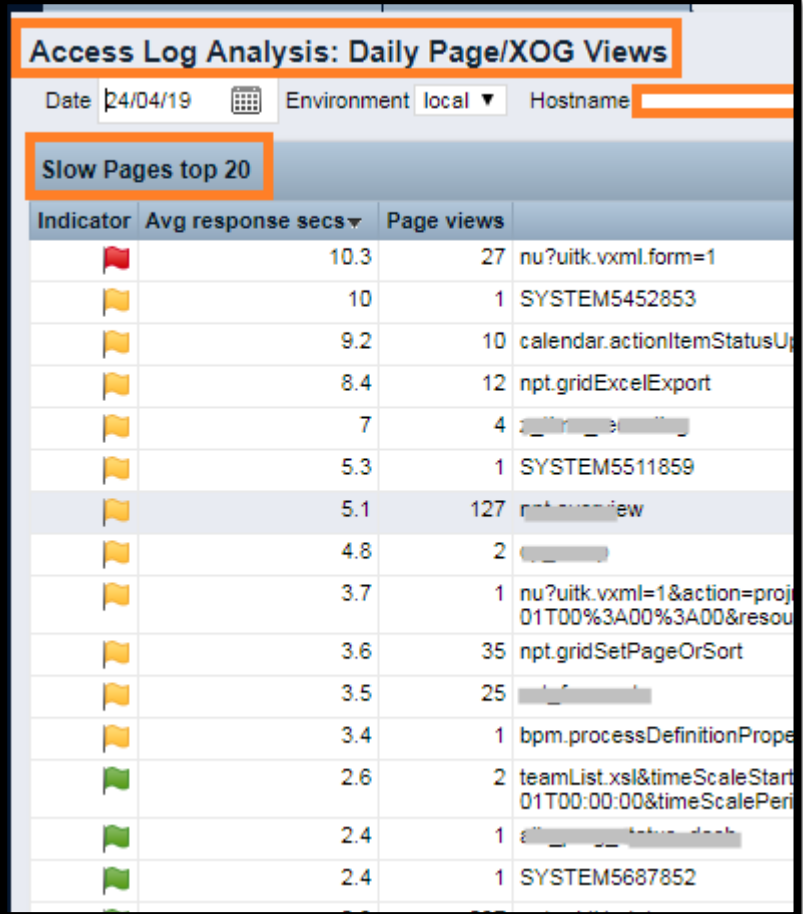


- The 'Daily Page/XOG Views' tab contains nine portlets:
 - **Slow Pages Top 20**
 - Page Views by Service
 - Page Views by Server
 - Average Response Time by Day
 - Daily Page Views
 - XOG Requests by Service
 - XOG Requests by Server
 - Average XOG Response Times by Day
 - XOG calls by Day



Most Important portlet is *"Slow Pages Top 20"*.

- The 'Slow Pages Top 20' portlet looks like following:
 - Response time less than 3 seconds is fine (marked green).
 - Response time 3-10 seconds is flagged yellow
 - Response time more than 10 seconds is flagged red.



The screenshot shows a web application interface for 'Access Log Analysis: Daily Page/XOG Views'. It includes filters for Date (24/04/19), Environment (local), and Hostname. The main section is titled 'Slow Pages top 20' and contains a table with columns for Indicator, Avg response secs, Page views, and URL. The table lists 20 entries, with response times ranging from 10.3 to 2.4 seconds. Indicators are red, yellow, or green flags. The entry with 5.1 seconds response time and 127 page views is highlighted.

Indicator	Avg response secs	Page views	URL
Red	10.3	27	nu?uitk.vxml.form=1
Yellow	10	1	SYSTEM5452853
Yellow	9.2	10	calendar.actionItemStatusUp
Yellow	8.4	12	npt.gridExcelExport
Yellow	7	4	...
Yellow	5.3	1	SYSTEM5511859
Yellow	5.1	127	npt.overview
Yellow	4.8	2	...
Yellow	3.7	1	nu?uitk.vxml=1&action=proj01T00%3A00%3A00&resou
Yellow	3.6	35	npt.gridSetPageOrSort
Yellow	3.5	25	...
Yellow	3.4	1	bpm.processDefinitionPrope
Green	2.6	2	teamList.xls&timeScaleStart01T00:00:00&timeScalePeri
Green	2.4	1	...
Green	2.4	1	SYSTEM5687852

- The tab contains five portlets:
 - Immediate Reports Daily Executions
 - Immediate Reports Daily by Time Consumed (secs)
 - Immediate Reports Daily
 - Immediate Reports Monthly
 - Immediate Reports Breakdown by Month

- The tab contains Log Summary Export portlet
- It can be used to get the export of logs data for a given time interval

The screenshot shows a web interface for log analysis. At the top, a tab labeled "Access Log Analysis: Log Data Export" is highlighted with an orange border. Below the tab is a portlet titled "Log Summary Export". The portlet contains three input fields: "Environment" with a dropdown menu set to "All", "Start Date" with a calendar icon, and "End Date" with a calendar icon. Below these fields are four buttons: "Filter", "Show All", "Save Filter", and "Clear". At the bottom of the portlet, the text "There are no items to display" is visible.

Questions?

Keeping Clarity lean and mean.
Application administration best practices

Coming up

What's happening in the next session

01

Manage work your way with modern task management

02

How much can be done to configure the Modern UX?

03

Hands-on with Jaspersoft Adhoc Reporting

Thank you for attending

Keeping Clarity lean and mean.

Application administration best practices



Phone

+44 844 736 2500



Email

ppmacademy@pemari.com



Website

www.pemari.com



Let us know how we can
improve!
Don't forget to fill out the
feedback forms!

References

Keeping Clarity lean and mean.

Application administration best practices

- CA(Broadcom) Documentation
- CA Communities