

# Performance Analyzer

**Definition**

The Performance Analyzer is a new feature first introduced in Joget Workflow v5 Enterprise Edition that allows administrators and app designers to analyze the performance of their apps and to identify possible bottlenecks. In Joget Workflow v6, it has been enhanced further.

When enabled, the Performance Analyzer identifies elements within a Userview where the processing time exceeds a specific threshold. Those elements in the Userview menu and current page will be highlighted when the Front-End Edit mode is active.

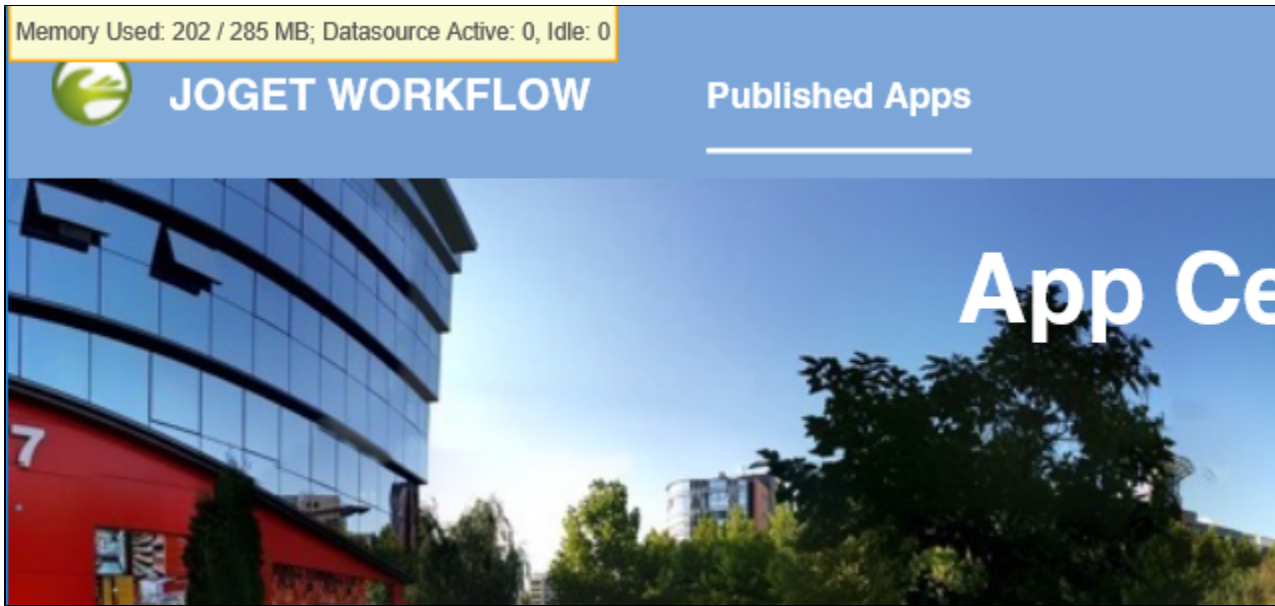


Figure 1: Java VM Stats and Database Connection Pool Status

Java VM Stats and Database Connection Pool Status are essential pieces of information that can help an administrator manage the platform health and performance. The database connection pool gives the administrator and app designer vital information on whether there are unclosed connections or leakages of a similar kind.

Title	Total Expenses \$
Claim 1	10
February 2017	566
March 2017	300

TITLE	STATUS	Action
March 2017	Submitted	HOD Approve
February 2017	Submitted	HOD Approve
Claim 2	Submitted	HOD Approve
Claim 1	Submitted	HOD Approve

Figure 2: Statistics on elements exceeding thresholds

Memory Used: 135 / 156 MB; Datasource Active: 0, Idle: 1

## EXPENSES CLAIMS APP

Menu: Expenses Claims App

Admin Admin  
andrew@oget.org

- Dashboard
- My Expenses
  - New Expenses Claim
  - My Inbox (4)
  - Submitted Expenses (4) 15ms
  - Approved Expenses (0)
  - Rejected Expenses (0) 14ms
  - Closed Expenses (0)

135ms

- DataListInboxMenu.getJspPage: 135ms
- DataListInboxMenu.handleList: 135ms
- DataListInboxMenu.viewList: 135ms
- DataListInboxMenu.getDataList: 21ms
- DataListInboxMenu.addFilter: 17ms
- DataListInboxMenu.getCachedRecordIdToProcessId: 13ms
- DataListInboxMenu.getAssignmentProcessIds: 12ms
- DataListInboxMenu.getRows: pending tasks, including records with status = Draft or Resubmit: 114ms
- AdvancedFormRowDataListBinder.getDataTotalRowCount: 80ms
- AdvancedFormRowDataListBinder.getData: 19ms
- DateRangeDataListFilterType.getTemplate: 86ms
- UniversalTheme.getMenus: 118ms
- UniversalTheme.getMenus: 118ms

#	TITLE	\$	STATUS	SUBMIT BY	REMARK
0003	March 2017	300.00	Submitted	Admin Admin	
0002	February 2017	566.00	Submitted	Admin Admin	
0001	Claim 2	0.00	Submitted	Admin Admin	

Figure 3: Specific element's analysis view

Upon mouseover of a highlighted element, details of affected method calls and/or SQL statements will be displayed.

Java VM Heap Used: 543MB, Total: 709MB, Max: 916MB

default: /Users/julian/wflow

### System Settings

- General Settings
- Datasource & Profile
- Directory Manager
- Manage Plugins
- Manage Messages

Workflow Designer Base URL:  default: /jwdesigner

Delete Process On Completion:

Medium Warning Level:  default: 20

Critical Warning Level:  default: 50

File Upload Size Limit (MB):  default: No Limit

Disable Performance Analyzer:

Performance Analyzer Threshold (ms):  default: 100

Figure 4: System Settings

By default, the Performance Analyzer is enabled with a threshold of 100ms. This setting can be overridden in the System Settings.