

About Reports in the Background

Currently, the application uses third party software called Crystal Reports for the ~200 different reports in the application. The list of application reports continues to grow.

In R58, we modernized the Reports Module, by upgrading the Crystal software to its newest version. However, the upgrade has had an adverse effect and resulted in an intermittent “memory leak” issue. No one can reproduce this “out of memory” issue.

In R59, due to the issue, our development team is underway on the ~200 reports replacing Crystal Reports software with a different third party software product called Active Reports.

The “memory leak” issue appears to be a result of users running application reports over a very long period, or possibly running one report with a very large amount of data.

In R58, we have introduced a temporary solution to mitigate or possibly eliminate the “memory leak” issue. Also, the solution provides another benefit.

Currently, users can only preview one report at a time; and while that report is previewed, the user cannot do anything else within the application. The new solution enables a user to preview a report and perform another action as well; like displaying a maintenance screen. Both reports and screens can function at the same time on the same or different monitors.

The solution creates a second application session (called PWReport.exe) called from the main application session (called Icarz.exe) to run specific reports “in the background”.

The current list of Background Reports is mostly the primary reports run by users for period closeouts (e.g. EOD and EOM), as well as several other important reports. Most Background Reports are available to schedule via Task Scheduler.

Running each Background Report in a separate application session should mitigate or eliminate the “out of memory” issue because after the report is previewed/printed, the separate session of the application is closed. However, since only some of the application reports are “run in the background”, a user may still experience an “out of memory” condition.

A user can now also run and view two reports at once; one displayed in the background session, and one displayed in the main session (e.g. LISA and PATI).

The chart below contains a list of the reports run “in the background” in R58.

Report	Sub-Report	Report Type
INVOICE JOURNAL	SHOW ALL TRANSACTION	Financial
INVOICE JOURNAL	JOURNAL SUMMARY ONLY	Financial
INVOICE JOURNAL	TAX JOURNAL	Financial
INVOICE JOURNAL	DAILY TAX DETAILS	Financial
A/R TRANSACTIONS	TRANSACTION TYPE (ALL)	AR
AGING	FULL AGING	AR
AGING	MONTHLY AGING	AR
AGING	WEEKLY AGING	AR
LINE SALES	LINE SALES	Financial
LINE PURCHASES	LINE PURCHASES	Purchasing
TAX REPORT	SALES TAX	Financial

Reports in the Background Overview

PWS PartsWatch R58.3.1

Report	Sub-Report	Report Type
TAX REPORT	FEES	Financial
REBATE REPORT	REBATE MODE (ALL Modes)	Financial
CASH TRANSACTION	CURRENT	Financial
CASH TRANSACTION	HISTORICAL SELECT	Financial
CASH TRANSACTION	REPORT BY DATE	Financial
CASH TRANSACTION	OPEN DRAWER REPORT	Financial
TRANS BY HOUR	TRANSACTION TOTALS	Financial
TRANS BY HOUR	TRANSACTION AVERAGES	Financial
ACCOUNT SALES BY LINE REPORT	ACCOUNT SALES BY LINE REPORT	Financial
SALES BY ACCT GROUP	SALES BY ACCT GROUP	Financial
D-M-Y SALES	DMY STORE SALES	Financial
D-M-Y SALES	DMY ACCOUNT SALES	Financial
D-M-Y SALES	DMY LINE SALES REPORT	Financial
INVENTORY INFO	INVENTORY INFO REPORT	Inventory
INVENTORY INFO	INVENTORY STOCK REPORT	Inventory
INVENTORY INFO	INVENTORY DATA REPORT	Inventory
INVENTORY INFO	FORECAST INFO REPORT	Inventory
INVENTORY INFO	PARTS ON OPEN DOCUMENTS	Inventory
INVENTORY COST	INVENTORY COST REPORT	Inventory
INVENTORY COST	HISTORICAL INVENTORY COST	Inventory
INVENTORY COST	RESERVE COST REPORT	Inventory
LOST SALES	LOST SALES	Financial
CORE ACTIVITY	CORE ACTIVITY	Inventory
P/N CODE REPORT	P/N CODE REPORT	Inventory
ON ORDER REPORTS	ON ORDER / BACKORDER	Purchasing
ON ORDER REPORTS	INBOUND	Purchasing
PART LEDGER	PART LEDGER REPORT	Inventory
PART LEDGER	PART LEDGER COST EDITS REPORT	Inventory
SCAN SESSION REPORTS	SCAN SESSION REPORT	Purchasing
SCAN SESSION REPORTS	SCAN SESSION VARIANCE REPORT	Purchasing
LISA PART RANKING	LISA PART RANKING	Financial
LISA TRANSACTIONS	LISA TRANSACTIONS	Financial
LISA TRANSACTIONS	LISA UNDO	Financial
LISA TRANSACTIONS	LISA ACCOUNT DETAILS	Financial
CONSIGNMENT PART LIST		Customer
CONSIGNMENT SETUP		Customer
CONSIGNED INVENTORY		Customer
CONSIGNED ACCOUNTS		Customer