

Release Notes

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If you have any comments or corrections, send them to
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Introduction

Version 7.3 empowers integration of the OptimalPlus system within customer ecosystems, adding a [web API](#) that allows exporting large data sets for external analysis. The version [enriches scripting support](#), adding a Python step to Sequoia and robust management of scripting servers. The changes allow enterprise level results with the flexibility of your favorite scripting language.

The [Web Portal](#) now supports display of customer logic, implemented via Sequoia, with table and chart widgets. In addition, additional analytic capabilities were added by showing distribution of data in the chart and box plot widgets using multiple groups in X axes.

The loading process for [Any Event Data](#) has been made more robust by simplifying the process and reducing the potential failure points.

New Capabilities

Web Portal

1. Improved Time Range Selector

Purpose

The time durations displayed in the Web Portal were determined by selecting a number of shifts, days, weeks, months, quarters, or years before the current date. The time range filter has been extended to allow selecting start and end dates. The filter is available for a dashboard and for individual widgets.

Description

The time interval option for both a dashboard and for an individual widget now has a From-To selection. The user selects a starting date and an end date on a calendar. Selecting the same date for both starting and ending results in defining the 24-hour period of that day as the interval.

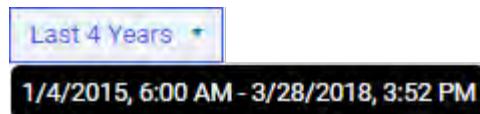
Setting the dashboard interval changes the interval on all widgets on the dashboard except for those changed individually.

Setting the interval on a parent widget changes all child widgets unless the child widget was changed individually.

Flow

Setting a dashboard time interval

The time interval for the dashboard is displayed in the upper left corner. When a dashboard opens, each widget is displayed based on the dashboard time interval, unless it had been changed individually. Place the mouse pointer over the dashboard time interval to see the exact time range:



Click on the time to change the setting:

There are two ways to set the time interval:

- **Last**
- **From-To**

The **Last** option allows selecting from a number of time periods (for example, months), including the current period.

The **From-to** option allows setting a date range.

From-To option

Select the From-To option. The panel displays the current month and year:

ULD + Statistical charts

Analysis	Population [# of Part events]	Response Time (Sec)	Time to Move between table lines
<p>Present statistical views (Histogram, Box Plot, NPP) for X parametric tests performed on Y units.</p> <p>The time measured is the time to refresh the page: calculate statistics and present the statistical charts for the first selected test. Another time measured is the time to move between lines and draw the charts for the new selected test.</p> <p>User Flow</p> <ul style="list-style-type: none"> • Select table widget on Unit Level Data Source • Select a list of electronics products (Area = BLT) • Select 'Include Final Result'. Select 'Show Tests on Rows'. • Select tests using tests expression, without using test entrance criteria. • Define a 'Generate Statistics' DB Sequoia step, select default statistics, including percentiles. Group statistics by 'Parametric Test Name'. • Press 'Finish'. • Add a Statistical Widget on Original Data Table (from right hand side pane). Group: Parametric Test Name, Layouts: All, Filter By Another Widget: Statistical Table. 	1M Part Events 1K Tests/Part event	60	25 sec
Merge two results tables by machine + time proximity (DB Sequoia Merge step):	Tests Results table – 10 250K results. Machine Measurements table – 250K results.	10	