

# CTO Dashboard Web Help

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## What does the CTO Dashboard do?

This dashboard is designed especially for CTOs and displays two types of data:

- Page Delivery Time
- Tracked Functions

It displays data pertaining to the performance and functions in a game. The data available on this tab helps identify any issues in a game's performance by analyzing:

- Performance trends of individual pages and functions at specific intervals
- Effects of new releases on individual pages and functions

Comparison of performance of different pages and functions

## **What is Page Delivery Time?**

Page Delivery Time lists entries in descending order based on their cumulative delivery time or the maximum number of times they were called.

## **How do I sort Page Delivery Time parameters?**

Select the parameters you wish to see displayed using the relevant check boxes.

When you select one or multiple parameters in the Page Delivery Time dropdown, the corresponding data is displayed in the table and line graph.

## **What is Tracked Functions?**

Tracked Functions lists the functions that are added manually into zPerfmon, to track and monitor their performance.

## **How do I customize Tracked Functions for my game?**

The default set of functions that are tracked by zPerfmon are:

- MC::set
- MC::get
- ApcManager::get
- ApcManager::set
- Serialize
- Unserialize
- AMFBaseSerializer::serialize
- AMFBaseDeserializer::deserialize

The game team can customize functions they would like to track by contacting the zPerfmon team and filing a JIRA ticket with the zPerfmon context in the SEG project.

## How do I analyze and interpret data from the CTO Dashboard?

### Reading the table

To view the data in a table, click on the **Show Table** button. The data in the table is listed based on the date and half-hour timeslots.

Click each column header in the table to sort the data in ascending or descending order.

The data in the table is listed based on the date and half-hour timeslots.

### Understanding the graph

The graph shows the execution time of the pages and functions at a certain point of time in a day.

The graph allows you to view data in specified intervals, such as for a month, a day, an hour, at half hour, or at certain data points.

The slider at the bottom of the line graph can be resized and moved to view data at specific intervals.

Moving the cursor over the graph displays data at a certain point on the graph, with the corresponding data, time, and date.

The tags displayed to the right of the graph represent changes made in the game and infrastructure such as changes in the numbers of machines used to serve a game or game releases and periodic maintenance activities.

The data and lines on the graph are color coded to help you interpret data and the trends easily.

### How do I view the data in separate charts?

If you would like to see each parameter in a separate graph, click on the **Split Chart** button. You can choose to view data **overall** or on a day-on-day (**DoD**) or week-on-week (**WoW**) basis.

You can choose to see data for a day, a week, a month or two months by clicking on **1d**, **1w**, **1m** or **2m** in the **Zoom** field. You can select the dates between which you wish to view data by editing the dates in the **From** and **To** date fields. Clicking here will display a calendar for the month from which you can select a particular day.

Click on **Combine Chart** to view the data as a single graph again.

**How do I view data from a different dashboard that corresponds to a particular timeslot on the CTO dashboard?**

If you would like to see a graph from the Business, EU or Profile dashboard that corresponds to a particular time slot on the CTO dashboard graph, simply click at that point on the graph. A pop-up appears using which you can go to the corresponding time slot in the Business, EU or Profile dashboards.