

Understanding of the issue:

There is a desire to have the Works Order to Instruct POD and the Works Order- Draft Status POD to load with the following load times:

- Top level POD – 30 seconds
- Drill down - 15 Seconds

Confirming the issue:

The speed of a POD depends on several factors and various backend system configurations and network speeds can affect it.

In terms of IM4 things that can be controlled (either by the developer or the user) and affect loading times are:

- How many PODs are on a tab
 - How many PODs that are loading at once can affect performance, I recommend categorizing the various PODs and not loading all of them on one tab.
- How many series are in a POD.
 - The stacked bar charts use several series to retrieve the data in the desired fashion. When a POD is loading, each series' SQL gets run in sequential order. In the case of the Work Orders to Instruct POD, that's 7 queries. If the SQL takes 10 seconds to complete, that's 10 seconds plus page loading overhead.
- The base SQL itself.
 - This is the area that the developer has the most control. I attempted to optimize the base queries without having to change the underlying data.

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- Times on my Setup
 - All data verification was done via record counting only
 - User: jcook (to maximize the time)
 - Wow001 base queries
 - X_WO_TFL_WORK_TRAY_WOW001
 - Was: 51 Seconds
 - Now: 19 Seconds
 - X_WO_TFL_WORK_TRAY_WOW001_NOBU
 - Was: 3600 Seconds
 - Now: 8 Seconds (yes, 8 seconds)
 - Wow003 base queries
 - X_WO_TFL_WT_IM511003_FULL
 - Was: 90 Seconds
 - Now: 16 Seconds
 - X_WO_TFL_WT_IM511003_NOBUD
 - Was: 10 Seconds
 - Now: 1 Second

Resolution:

Loading time for a typical user like lohac_central, seem to be drastically increased on my system. It is difficult to know if this will result in the desired load times for your system without testing them on your system.

Please note: there are a few indexes that I added to my system that I do not believe that the CBO is using so I did not include them. If the performance is still not as agreed, then let me know and I will package the indexes together.