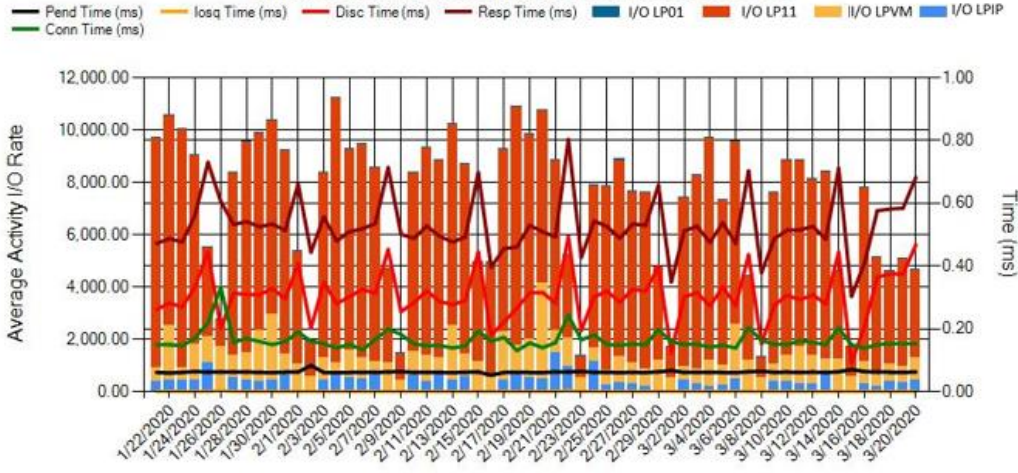


Is the Coronavirus Affecting IOPS in Mainframe Shops? IBM z/OS DS8900F / 3390 disks Infrastructure

It is now evident that the impact of **COVID-19** can be measured through I/O activity in z/OS datacenters. The daily graphs provided by EADM have shown customers that I/O numbers have dropped sharply since emergency measures requested large Enterprises to have their personnel work from home.

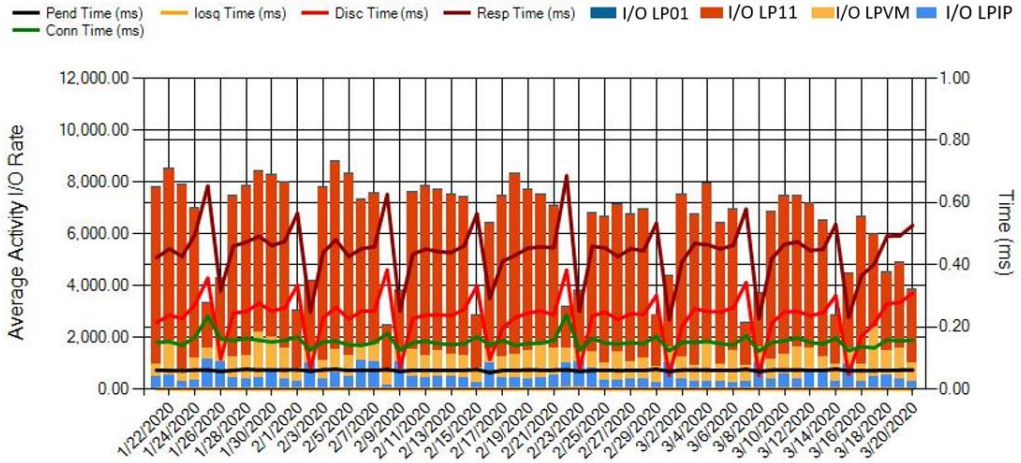
TP (10h00 - 11h00) Analysis From 1/21/2020 12:00 AM to 3/21/2020 12:00 AM



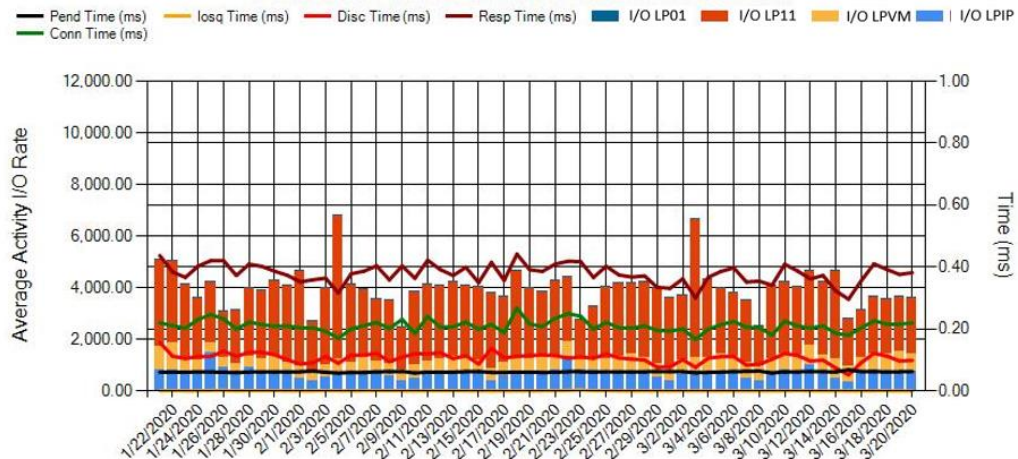
On March 17 2020, a confinement plan was implemented in France. That day, during Transaction Processing between 10 and 11 AM, I/O activity dropped 50%. meaning employees had problems accessing z/OS resources. Did employees working remotely have adequate network resources and did they have the right authorizations to work from home?

A similar analysis with a weighted average over 8 hours (TP) shows a much lesser impact. It is therefore critical to analyze I/O performance per specific hour frame in order to observe that employees had issues accessing the Enterprise z/OS.

TP (8h - 18h) Analysis From 1/21/2020 12:00 AM to 3/21/2020 12:00 AM



BATCH (18h - 8h) Analysis From 1/21/2020 12:00 AM to 3/21/2020 12:00 AM



The impact of **COVID-19** is much less significant during BATCH because program chains remain the same: Save / Sort / Save.