

System-wide IO monitoring at ARCTUR

Tomislav Šubić



- Located in Nova Gorica, Slovenia
- 27 employees
- HPC provider and consulting
- Currently on 4 EU projects
 - (3 successfully finished)







- Built by Sugon
- 1000+ cores
- 32 Nvidia Tesla M60
- 8 big memory nodes with 1TB RAM
- /home is on a 20TB NFS on SSD disks

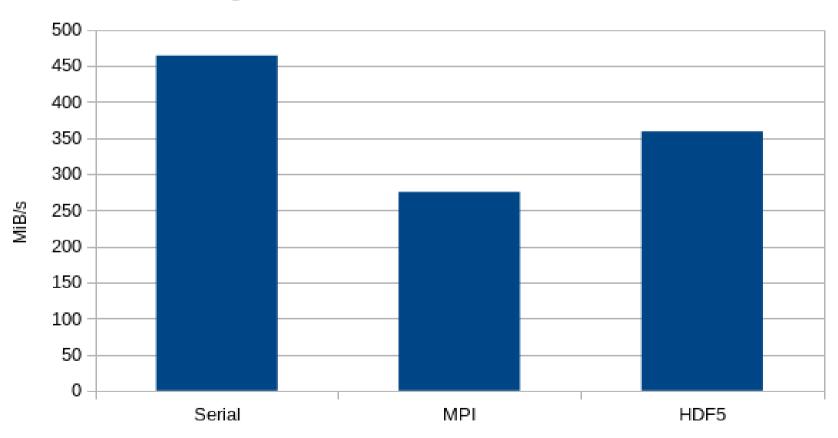


- Ganglia on Arctur-1
- Telegraf + InfluxDB on Arctur-2
- Grafana for visualisations



Simple IO benchmark

Average write of a 16MiB file on Arctur-2 NFS



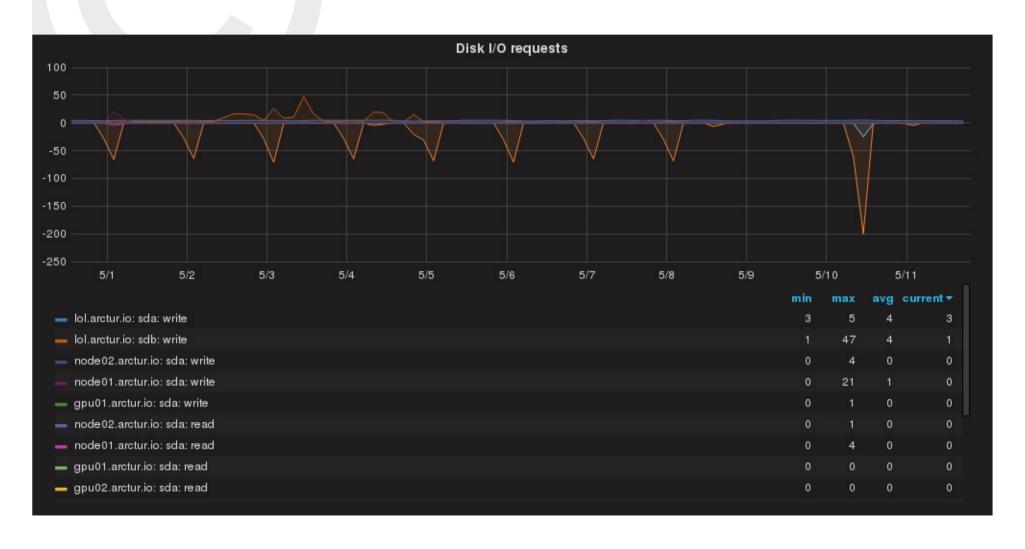


Training a neural network (1/2)



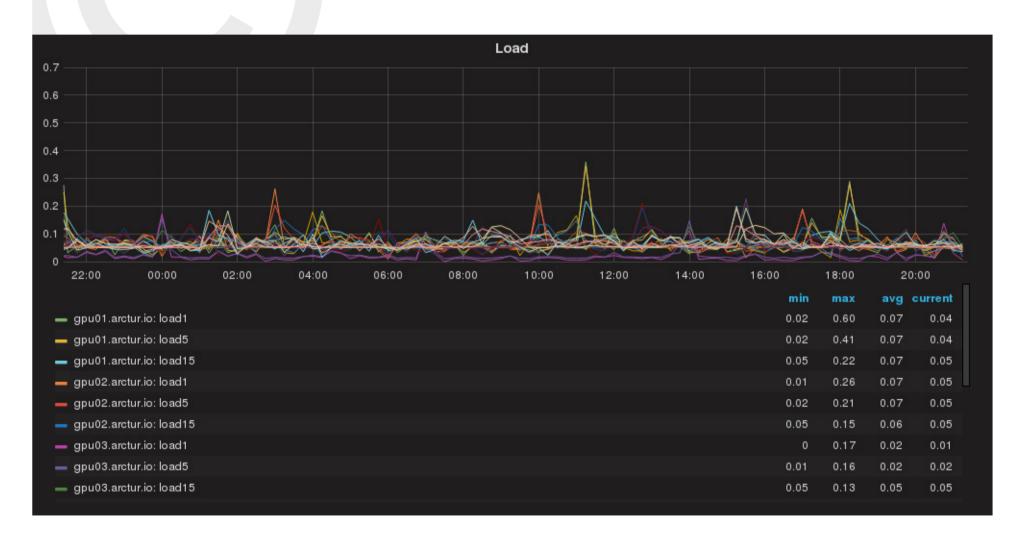


Training a neural network (2/2)





Cryptocurrency mining (1/3)





Cryptocurrency mining (2/3)





Cryptocurrency mining (3/3)





https://arctur.si
tomislav.subic@arctur.si