Business Unit vs CPU Usage Result [Kyligence]

1.1. Data Source

1. Oracle Nimbus DB - VMS_TEMP (VMS_TIMESTAMP From 2018/4/14 - 2018/6/29)
2. Total of 9,454,179 Rows of Data (VMs) - Cube Size 1.54 GB

1.2. Finding CPU Usage Pattern of Different Business Unit on Tableau

1. Method One: Directly Fetch Data From Oracle
    a. Download Tableau ODBC
2. Method Two: Import OLAP Cube From Kyligence Enterprise
    a. Build Model:
        i. Import VMS_TEMP and Select it as Fact Table
        ii. Create New Column Using "Computed Columns" Function
            1. VMS_USAGE_CPU_USAGE_GHZ = VMS_USAGE_CPU_USAGE / 1000
        iii. Select Below Columns and Mark as Dimension or Measure Columns
            1. VMS_USAGE_CPU_USAGE_GHZ (Measure)
            2. VMS_ANNO_TESTSUITE (Dimension)
            3. VMS_TIMESTAMP (Dimension)
            4. VMS_ANNO_MANAGER_STR_(0-7) (Dimension)
        iv. Set Incremental Build - Build By Time
            1. Using VMS_TIMESTAMP as Time Partition Column
    b. Build Cube:
        i. Select All Dimension Columns For Cube Building
        ii. Optimize Cube's Storage Size and Improve query performance by Setting "Dimension Optimization"
        iii. Edit pre-calculate Measure
            1. SUM(VMS_USAGE_CPU_USAGE_GHZ)
            2. COUNT(VMS_ANNO_TESTSUITE)
            3. COUNT(VMS_ANNO_MANAGER_STR_(0-7))
            4. COUNT(VMS_TIMESTAMP)
        iv. Set Table Index For Cube
            1. Set "Sort By" For VMS_TIMESTAMP
        v. Build Cube
            1. Set Build Start Time and End Time (VMS_TIMESTAMP)

1.3. Time Comparison For Importing Data

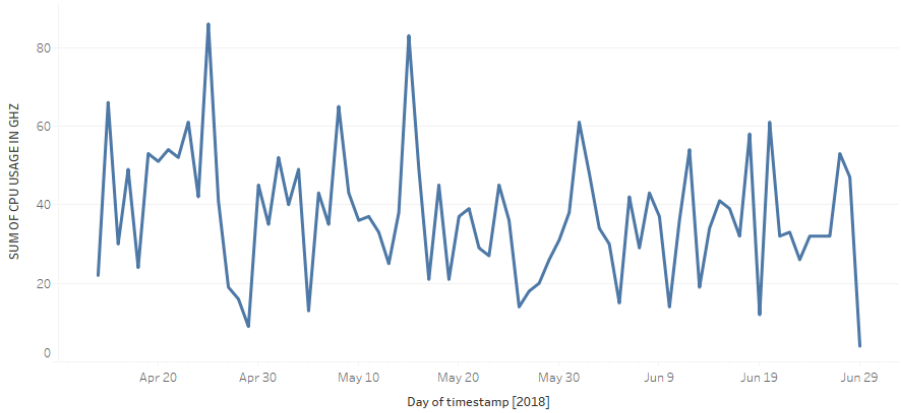
	Import VMS_TIMESTAMP	Calculate and Import Sum of CPU Usage	Add Business Filter
Oracle	42s	29s	16s
Kyligence Cube	<1s	<1s	<1s

1.4. Result

Column - Timestamp from 2018/4/14 to 2018/6/29

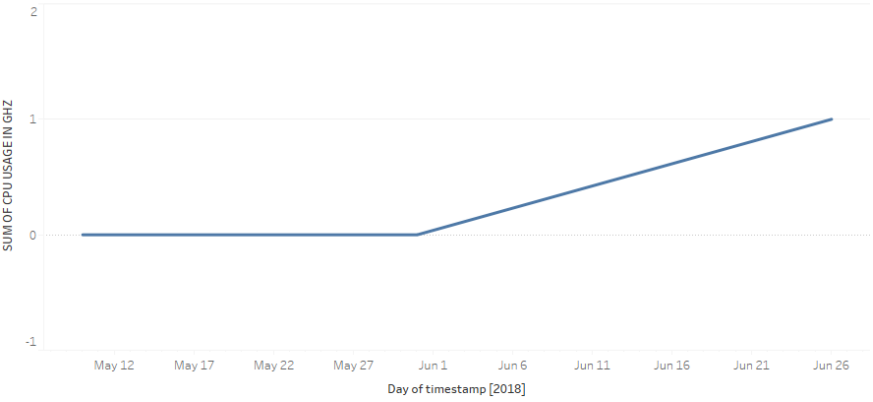
Row - Sum of CPU Usage in GHZ

AJAYP



The trend of SUM OF CPU USAGE IN GHZ for timestamp Day. The data is filtered on VMS_ANNO_MANAGERS_CHAIN_STR_2 and minimum of timestamp. The VMS_ANNO_MANAGERS_CHAIN_STR_2 filter keeps ajayp. The minimum of timestamp filter ranges from 4/14/2018 12:00:00 AM to 6/30/2018 12:00:00 AM.

avonpuri



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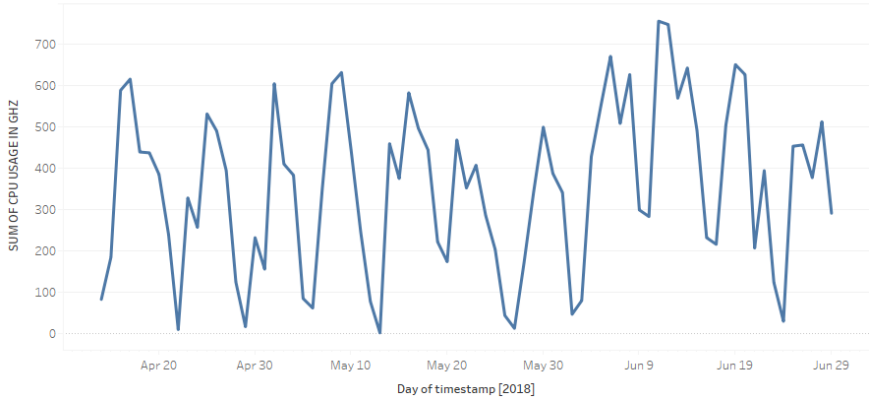
asequeira



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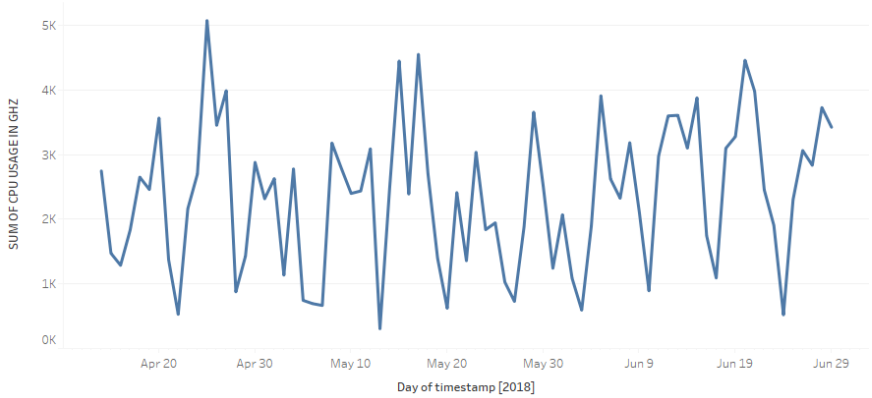
ajaysingh



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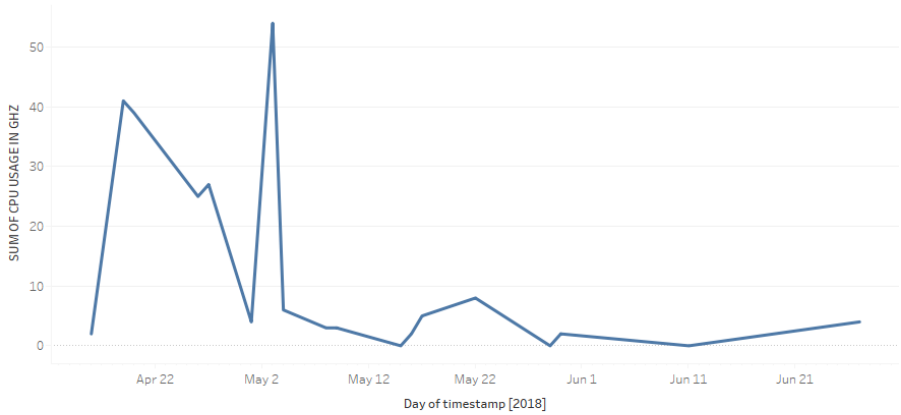
cwolf



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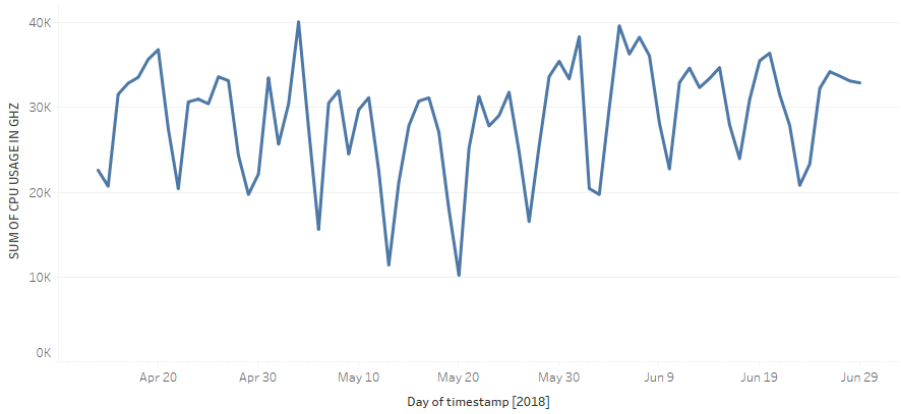
cpbu



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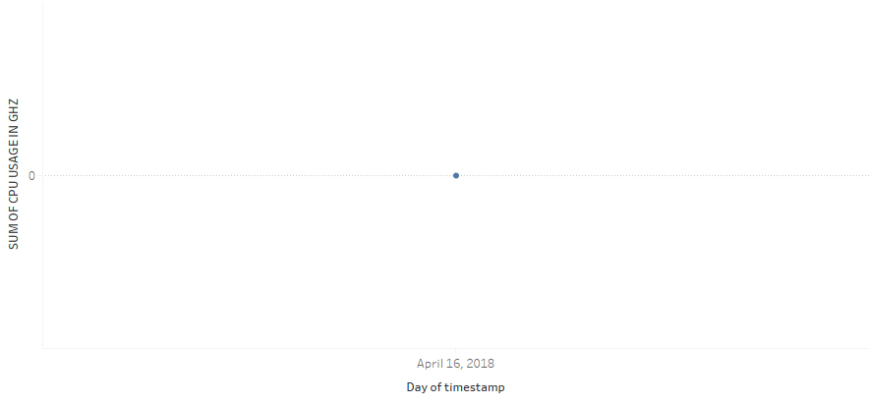
changl



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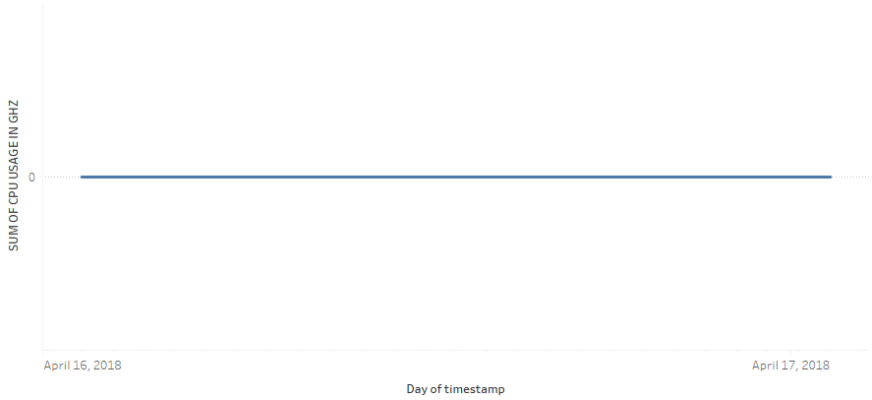
jconyard



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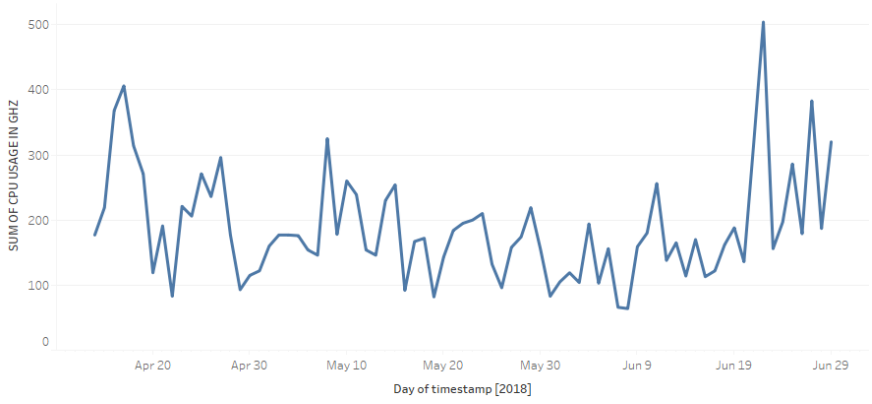
jgilmartin



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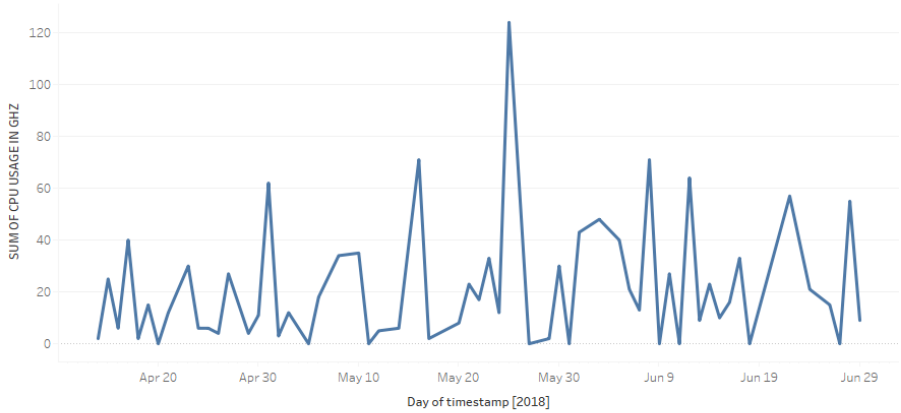
iainm



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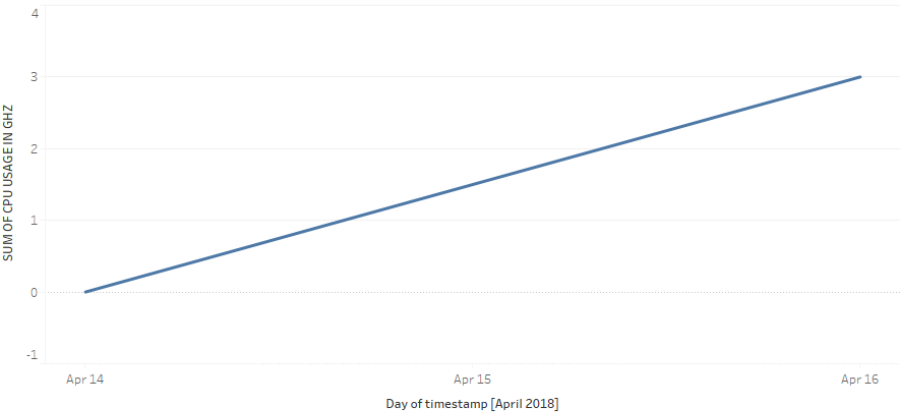
jeff



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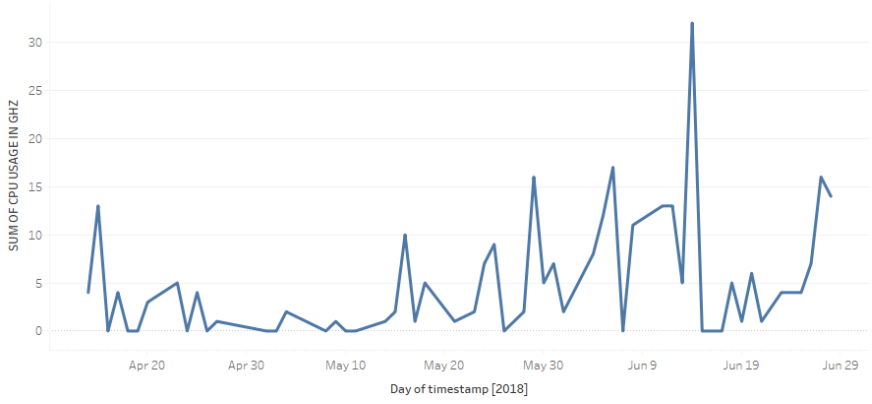
mcarli



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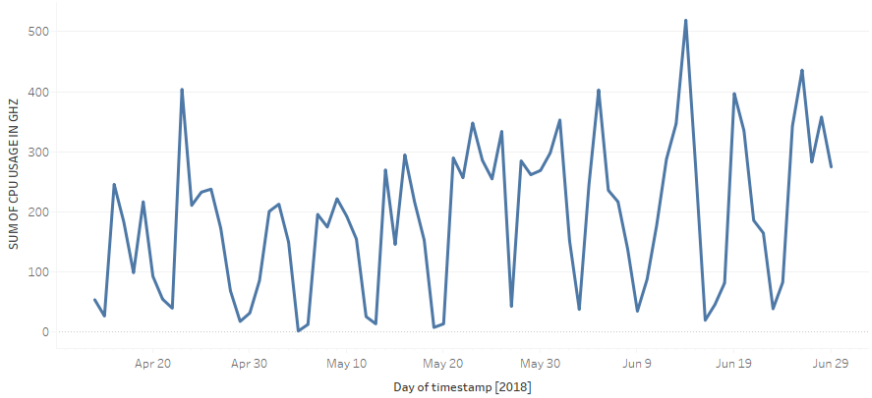
kathyc



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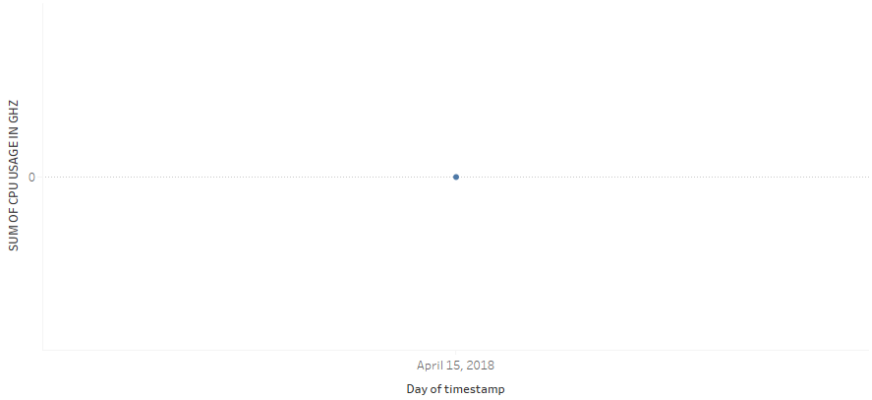
krishp



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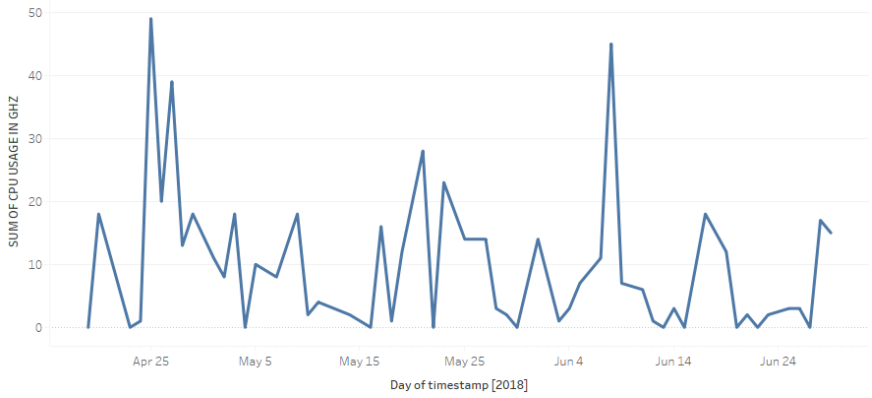
nmaka



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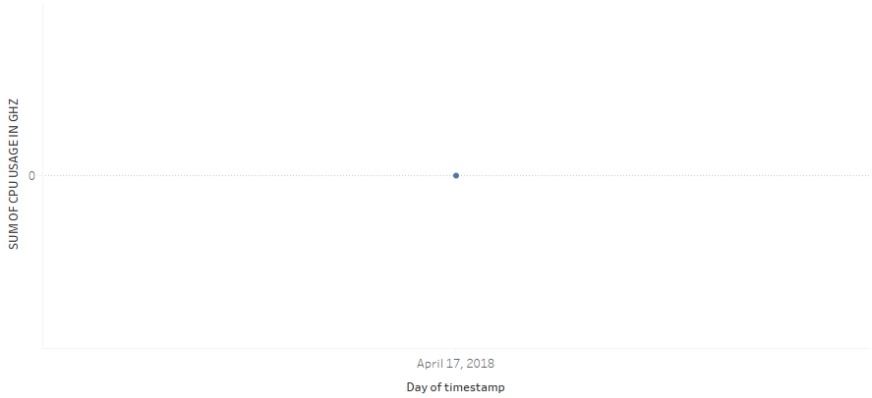
mlohmeyer



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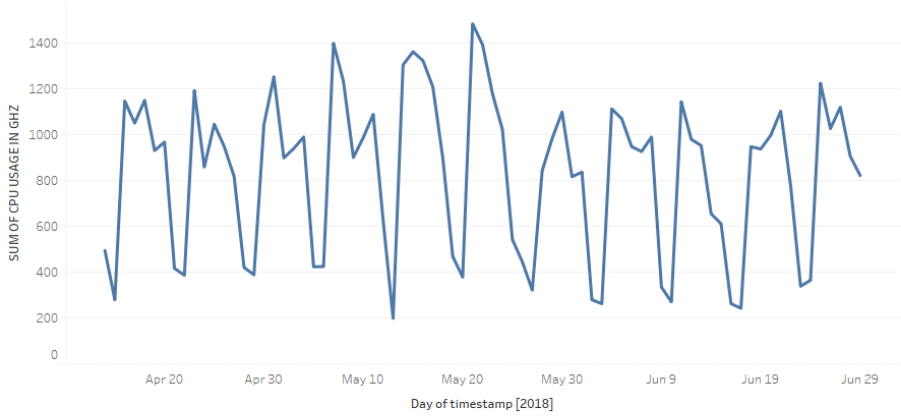
nsbu



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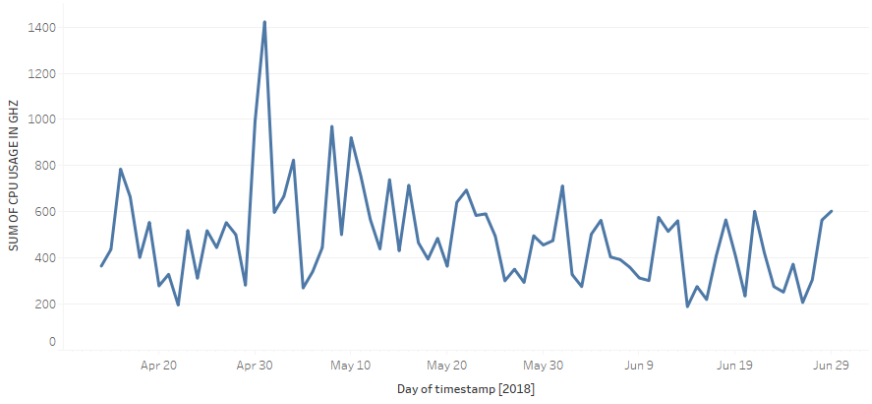
pfazzone



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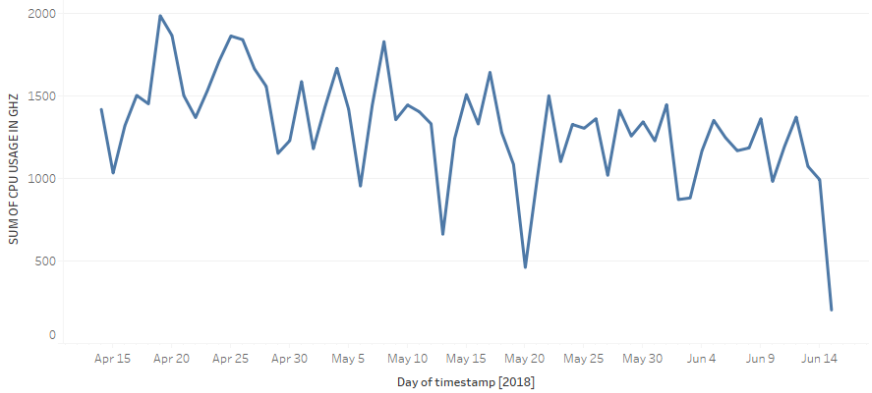
sandeep



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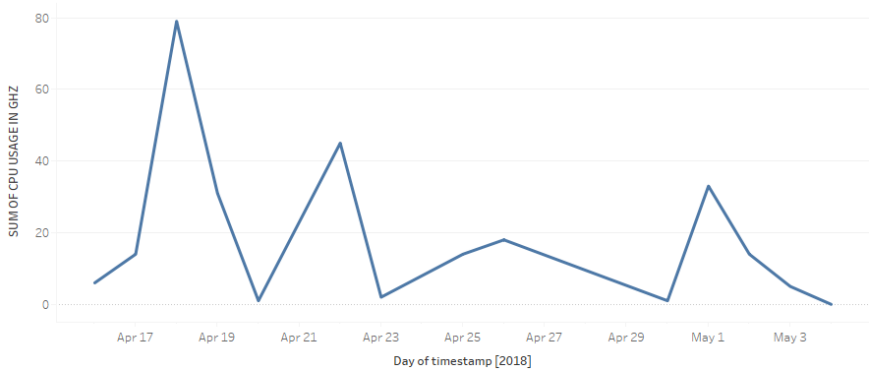
sdhawan



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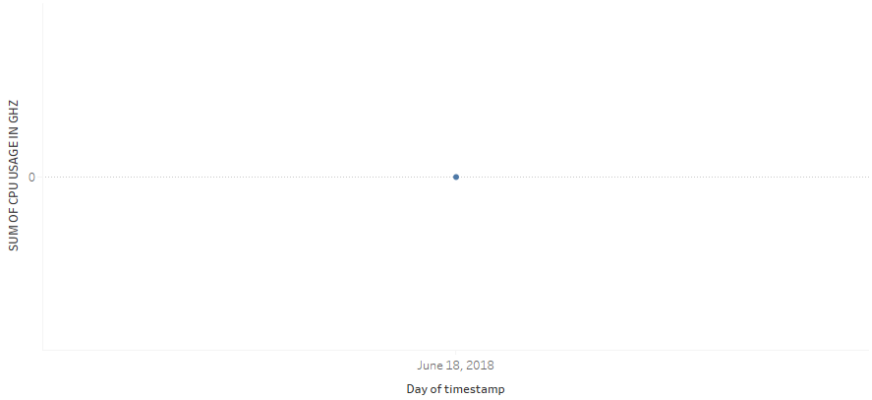
pweideling



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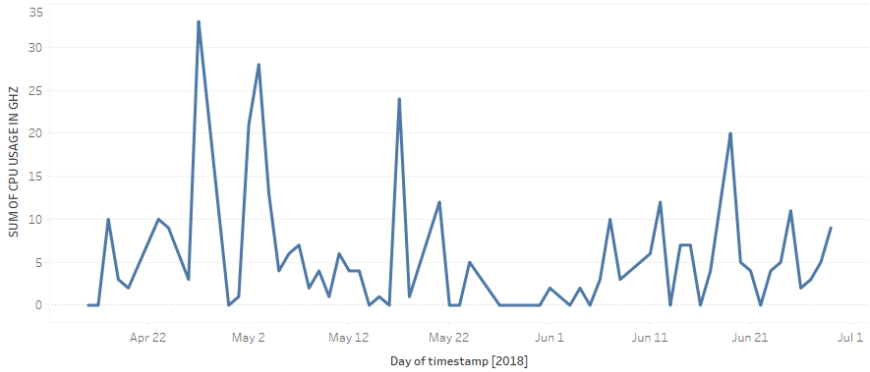
sbajtos



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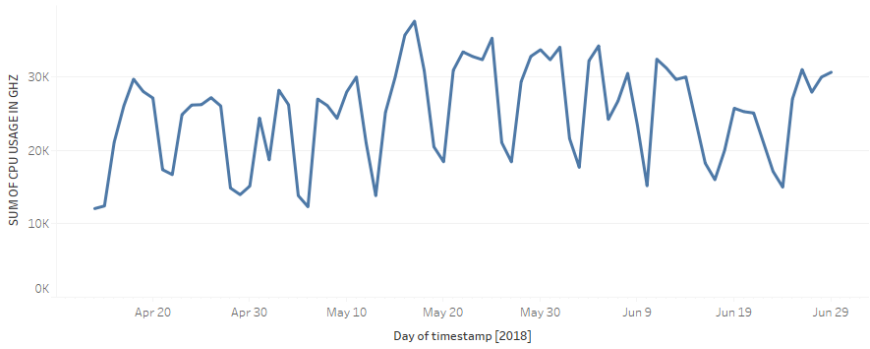
yanbingl



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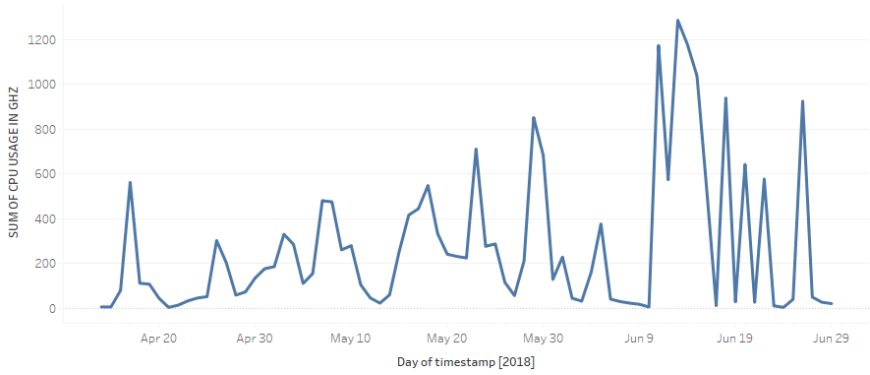
velchamy



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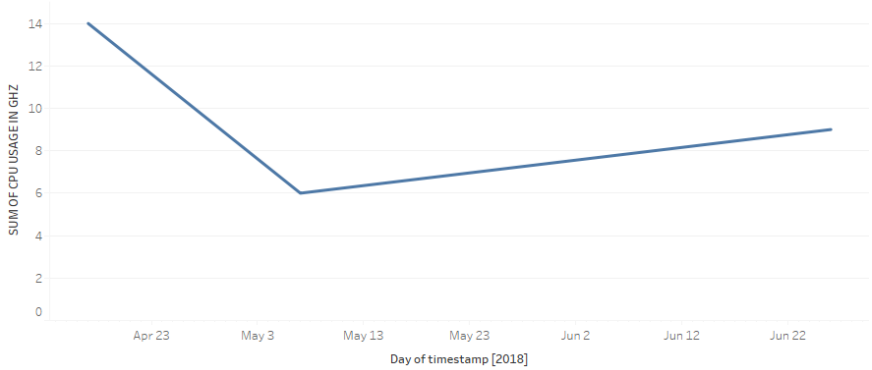
smurari



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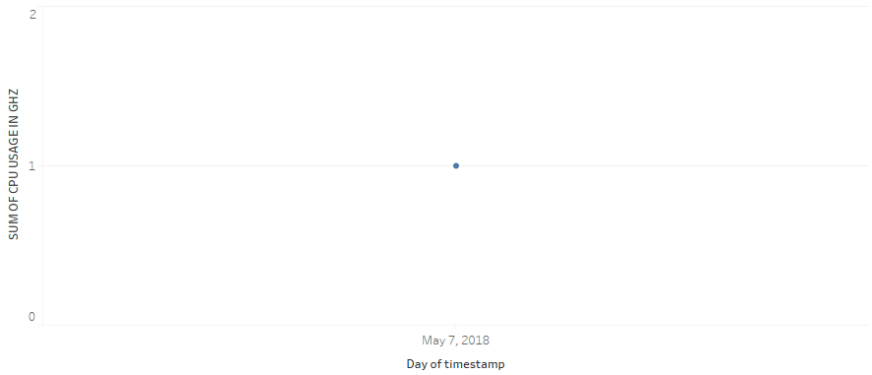
swehrend



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