How Cassandra Improves Performances and Availability of HDB++ TANGO Archiving System

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WEM310
Project goal

HDB++ = TANGO collaborative project (Ref: WED3004)

- Continuous availability with no SPOF
- Linear Scalability
- Multi Datacentre replication
- Analytics with Spark
Solution outline and future plan

This will allow the retrieval of decimated data and statistics over the requested period, to get an overview of the data before downloading the real data. It will help selecting the area of interest and should improve the performances.
Conclusion

✓ Great HDB++ design!
✓ Easy to add support to new DB back-end
✓ Cassandra works!
✓ Continuous availability (when well used)
✓ Write Performances
✓ Scalability

Next Step:
➢ Reduce partitions size
➢ Analytics datacentre with Spark

Come and see the poster for more details! ➔ WEM310