

International Conference on Accelerator & Large Experimental Physics Control Systems

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

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WEM310



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Project goal

HDB++ = T△NG♠ collaborative project (Ref: WED3004)









- Linear Scalability
- Multi Datacentre replication
- > Analytics with **Spark**

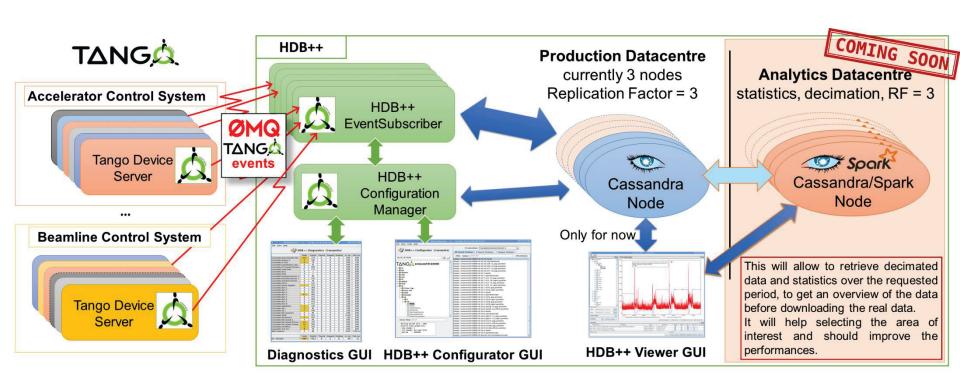






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Solution outline and future plan





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Conclusion

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

HDB++ Cassandra @ ESRF Next Step: Reduce partitions size Analytics datacentre with **Spork** T∆NG∆ go-controls.org http://www.planetcassandra.org https://spark.apacho.org http://sr p = Instrumentation Services and Development Division unconean Sunnhorton = 71 Avenue des Mattys, Grenoble, FRANCE - Tell +33 (f))4 76 88 20 00 Come and see the poster for more details! → WEM310

