



IBM Spectrum Scale

Network and disks adventures

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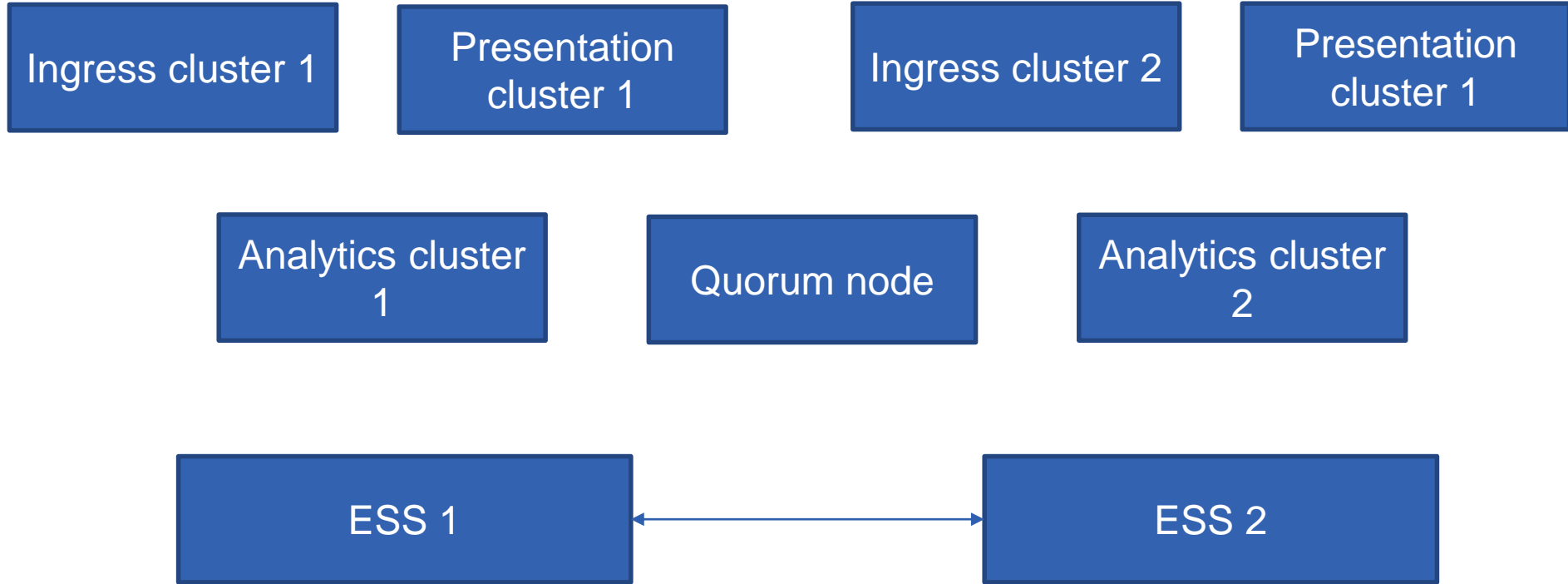
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Case 1 – National postal entity

- 2 ESS GS1S
 - Replicated across 2 sites
 - Used for tailor made data analytics
 - Used for electronic ticketing B2B
 - Their B2B division most profitable area
- Go live issues
 - “It is slower than previous system”
 - “We cannot go Christmas period like this”
 - “Rollback will have serious business implications”

Architecture Diagram



Network

- 10 GbE all switches from one vendor
- Dark fiber between sites (5 Km apart)
- Dumps show high latency peaks and packet loss
- Lets follow the rabbit network hole

Network

- Switches have old firmware
- Not enough uplinks
- Tests prior GA did not represent the load, were functional
- Switches have a hardware architectural issue on stacked mode, that affected ports on slave blade

Outcome

- Procure switches, install and use in less than one week!
- Add more uplinks and fibers in less than one week!
- Survived Christmas. CEO mail asking what is the problem, we have no problems!
- Become IBM public reference (soon out)

Case 2

- Cannot put slides about this one, but can talk

