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TOWARDS INDUSTRIALIZED PERFORMANCE AND QUALITY CONTROL FOR OPEN COMPUTE HARDWARE

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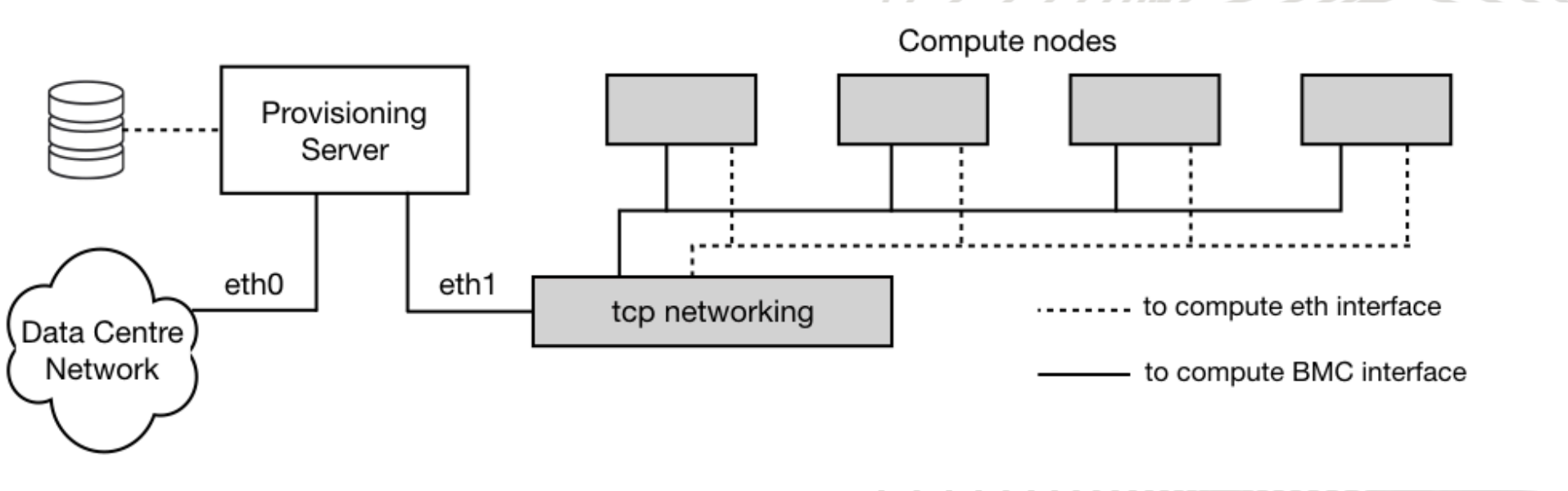
Approach

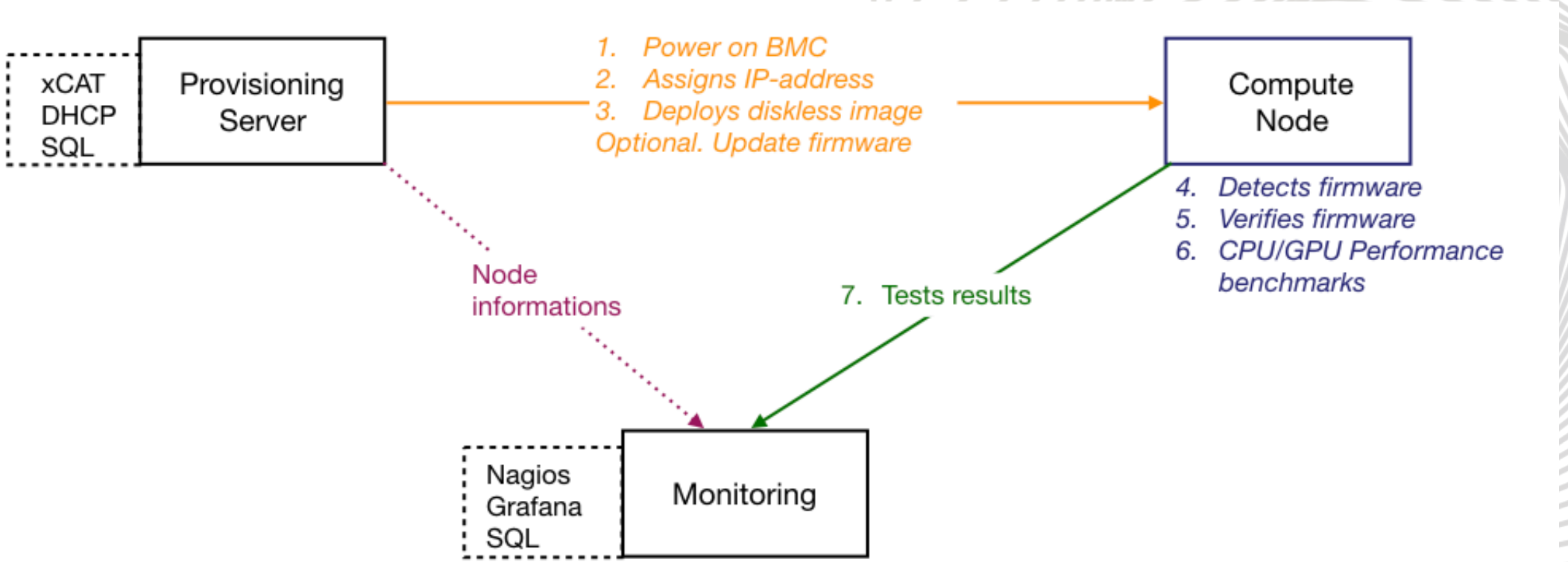
Our approach to industrialize quality controls and performance benchmarks was to create

1. A custom diskless operating system images
2. Supporting modern GPUs from different manufacturers
3. a suite of open source tools
4. benchmark all the compute nodes in a production series.
5. fully automatizes hardware detection, driver and firmware updates
6. generate information on the performance of components.

Cluster Deployment Solution



Quality Controls & Performance Benchmarks



Beyond industrialization

- system provides large quantities of exploitable datasets
- hopefully shared with the community in the future
- Future features could as well include **AI** controlled production environments with modern data analytics back-ends.

For further discussions on possible collaborations

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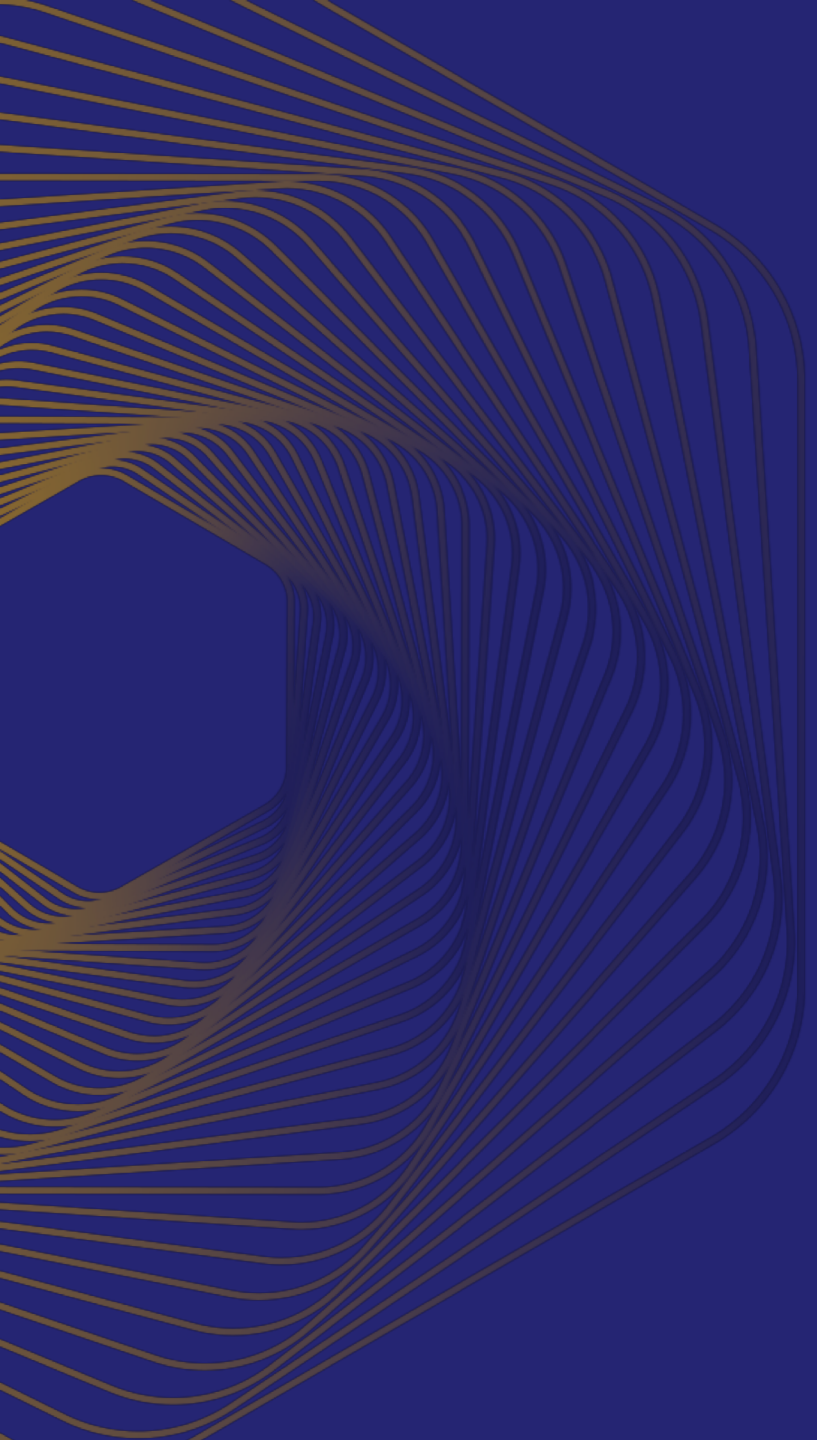

thank you