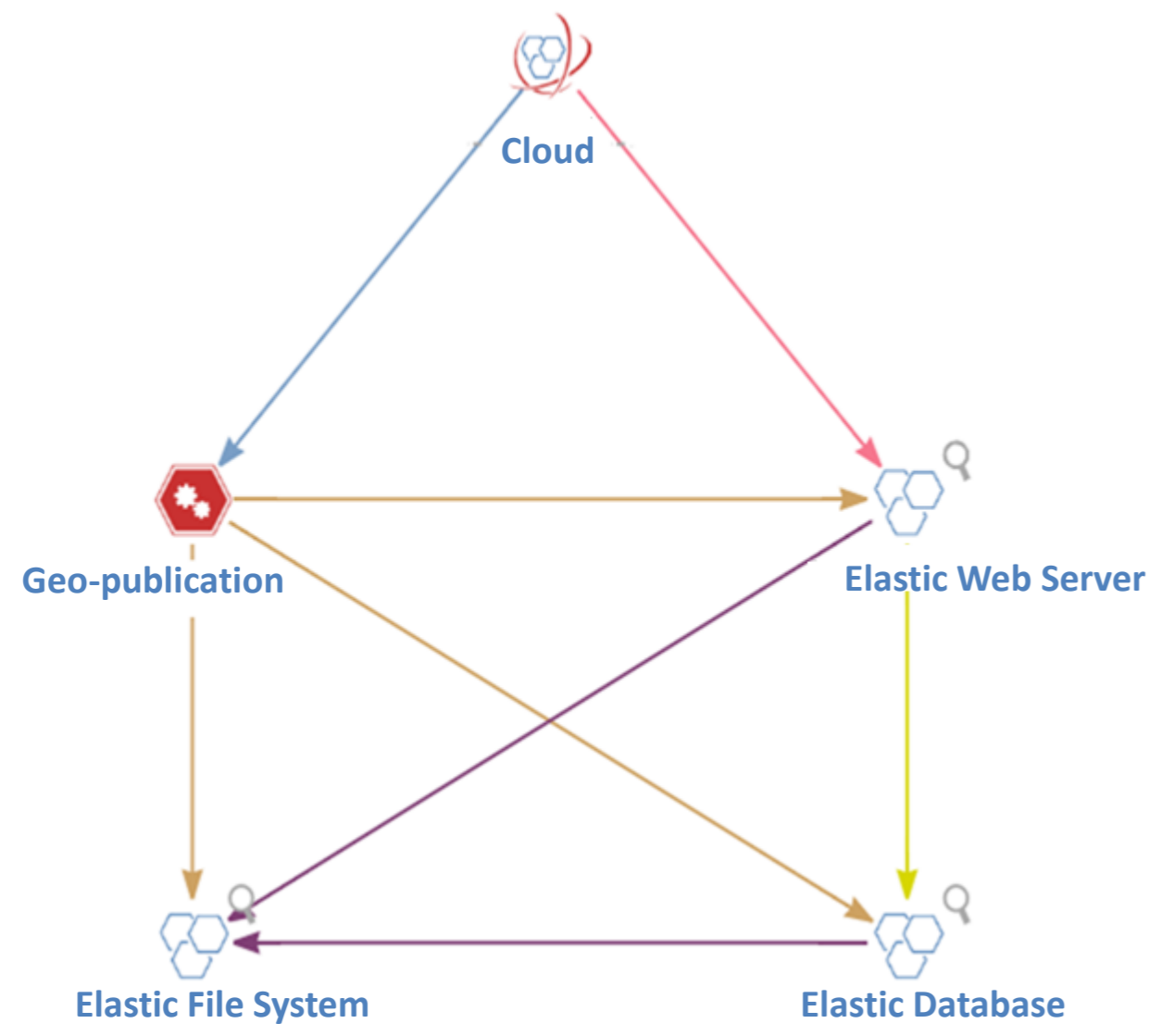


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Aims of the Project

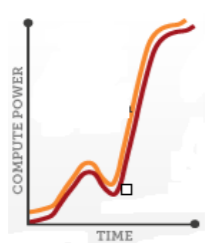
- Build Cloud frameworks for efficient on demand applications Focusing on Geo-publication Service
- Execute performance tests on Geo-publication servers
- Create Geo-publication service based on clusters giving high availability



Expected Impacts

SCALABILITY

Support large data volumes and high throughput
 Support increasing dataset sizes



ELASTICITY

Support a varying number of users
 Support on demand computations



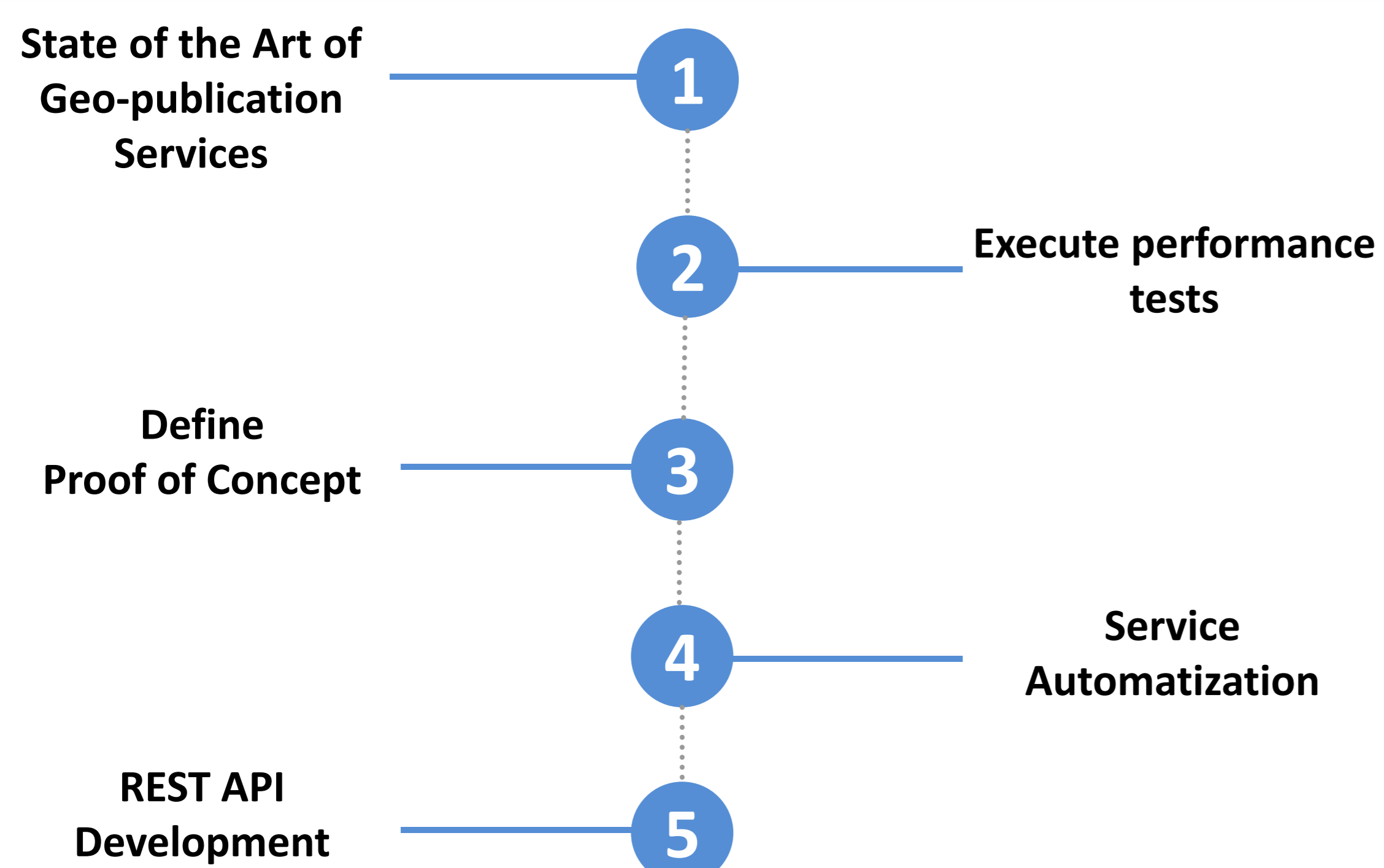
CUSTOMIZABLE

Support a larger number of software requirements

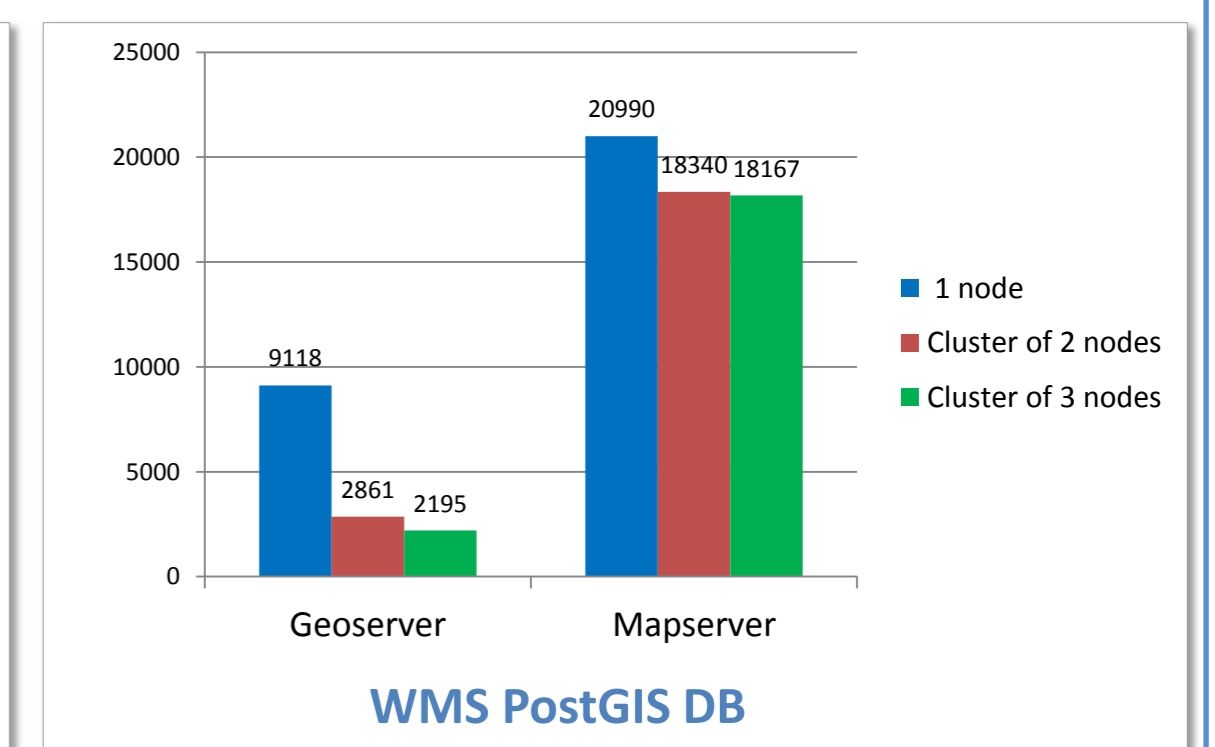
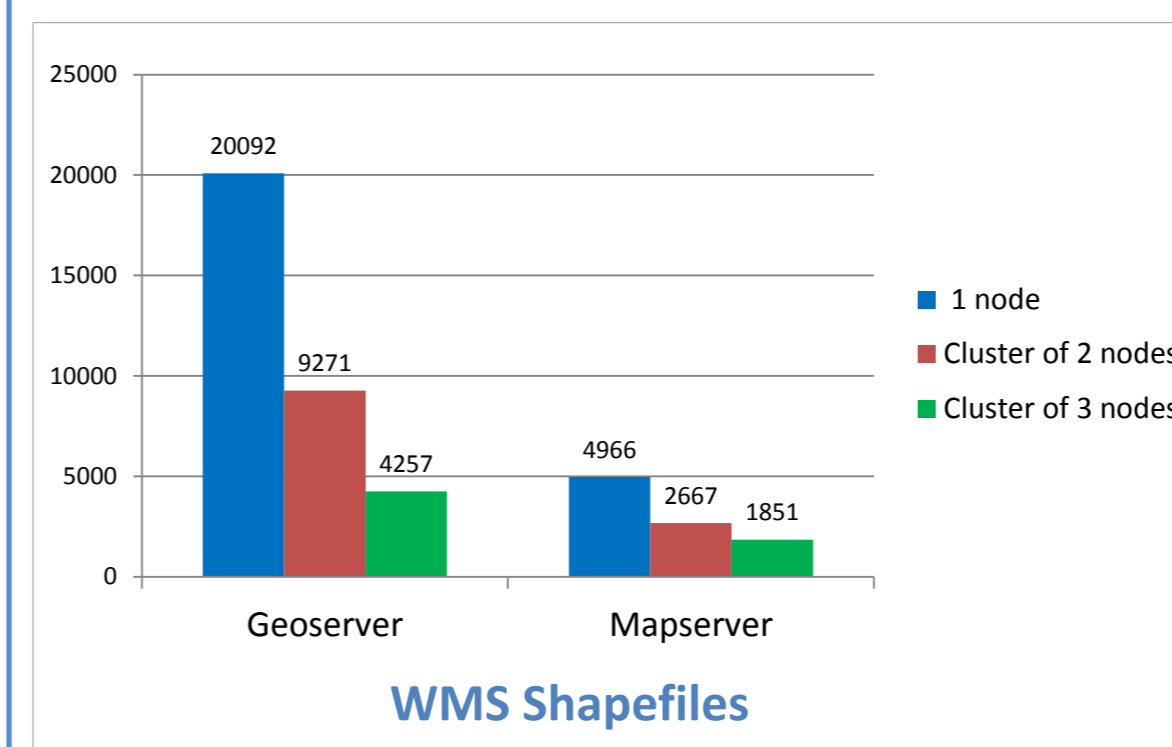
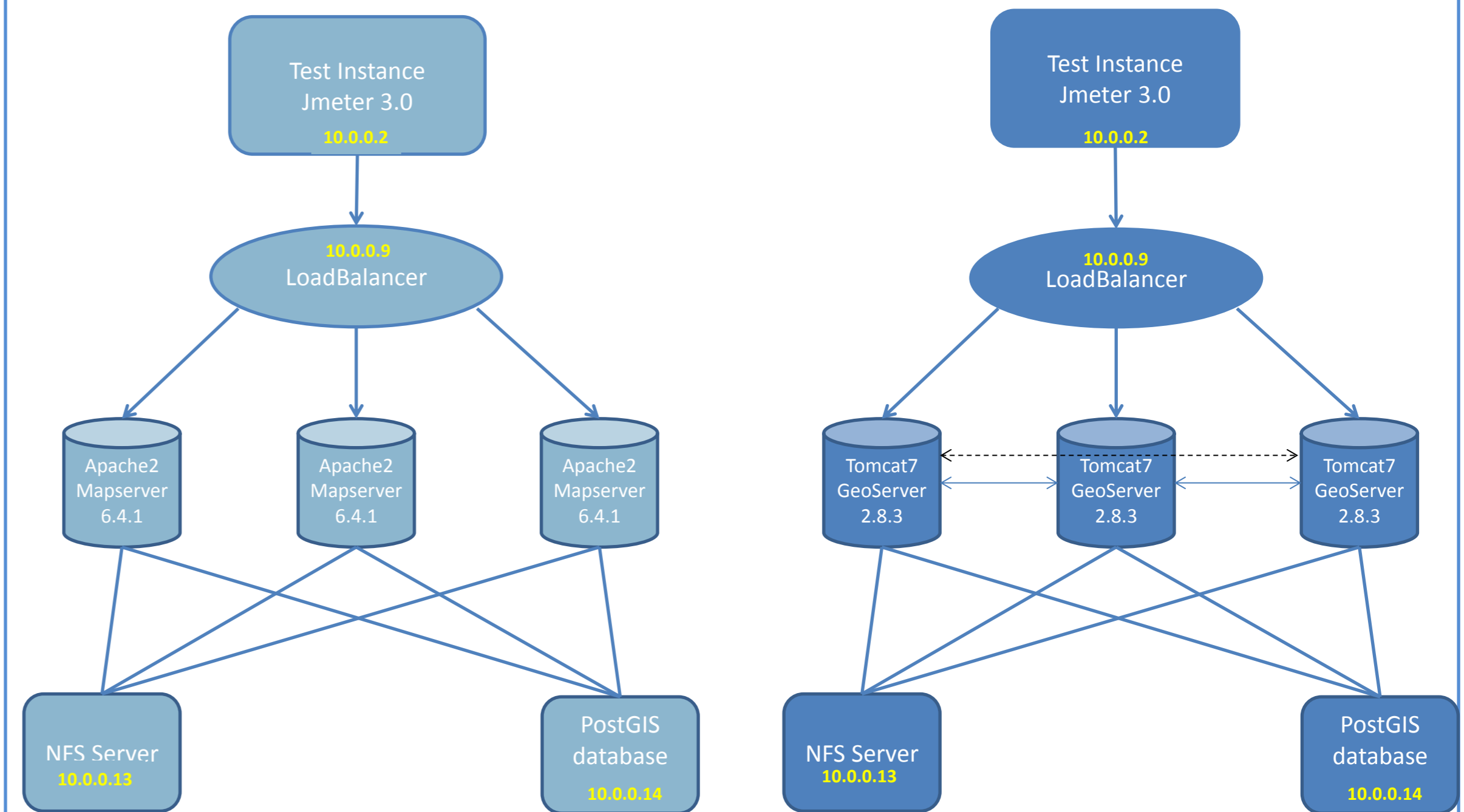
COST REDUCTION & MAINTABILITY

Reduce infrastructural cost during low platform usage
 Use of Open Source solutions

Project Process

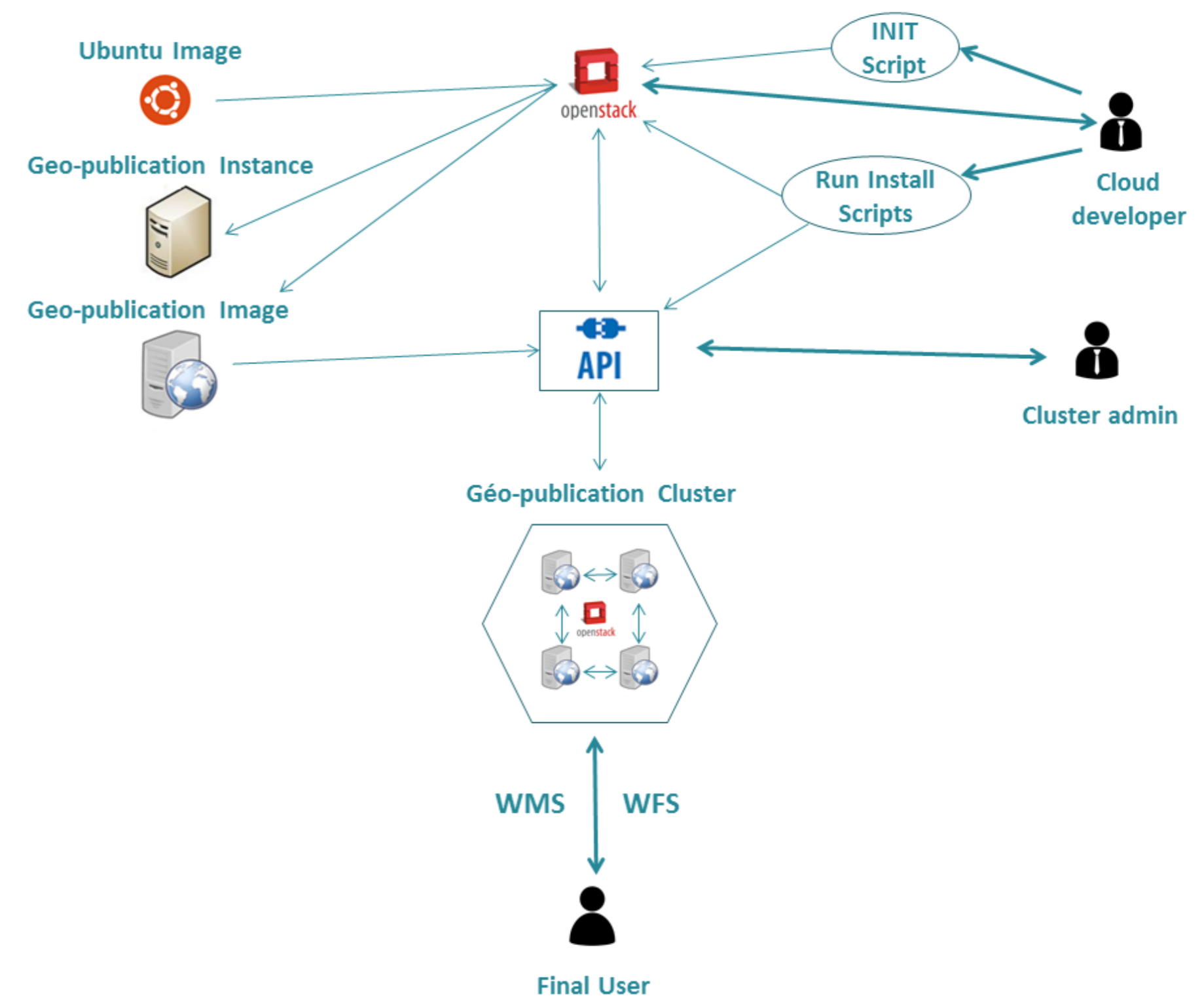


Cluster test



- Clustering is improving performances in terms of response time
- The response time gains decrease when scaling horizontally

Geo-publication Service Design



Conclusion & Perspectives

- GIS applications benefit from the Use of Cloud capabilities "PaaS"
- The complete set of services needs to be developed
- Need of a client side platform to manage data and users
- Searching for new project partners

Technologies



Contact

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