

SPE Challenges in Cloud Computing

Challenges

Quality properties & Trade-offs

- “unlimited resources” → scalability?
- Data consistency vs. scalability vs. costs

Who can optimize what?

- Cloud provider
- Cloud consumer

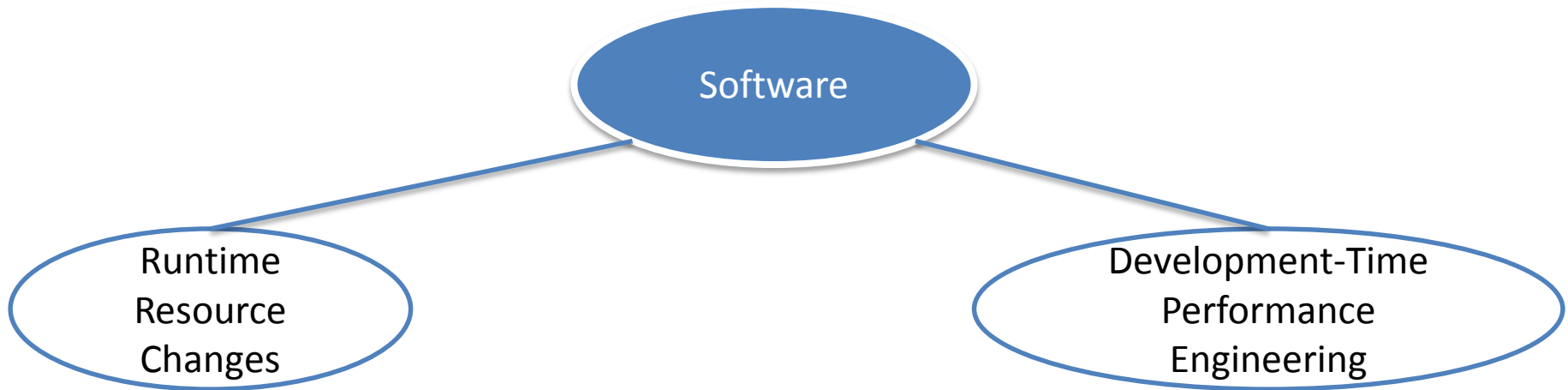
Where to optimize?

- SaaS, PaaS, IaaS

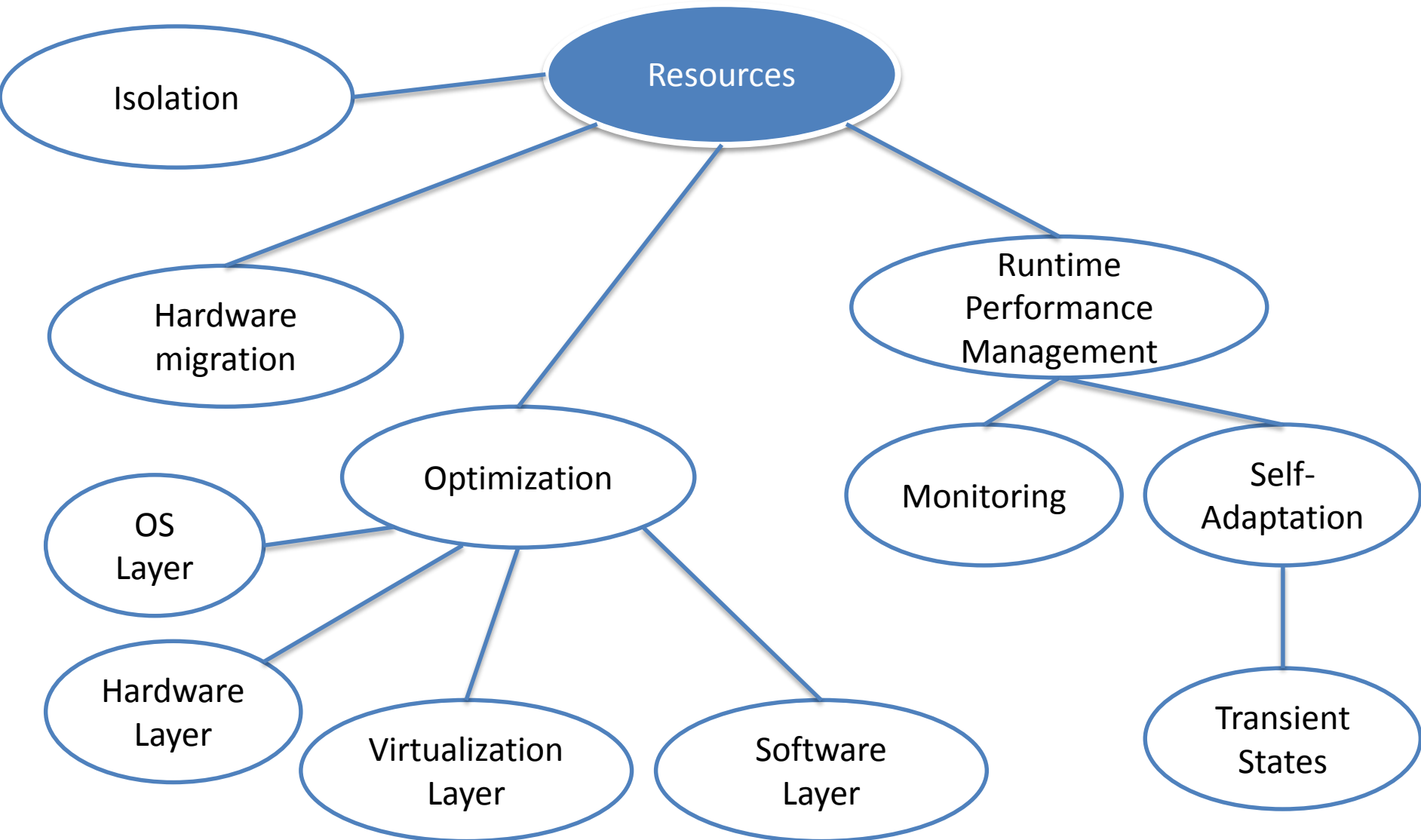
How to optimize?

- Benchmarks (not representing multi-tenancy?)
- Design-Time analysis (how would models look like?)

Software Challenges



Resource Challenges



Organization Challenges

