

CLOUD COMPUTING AND M4D

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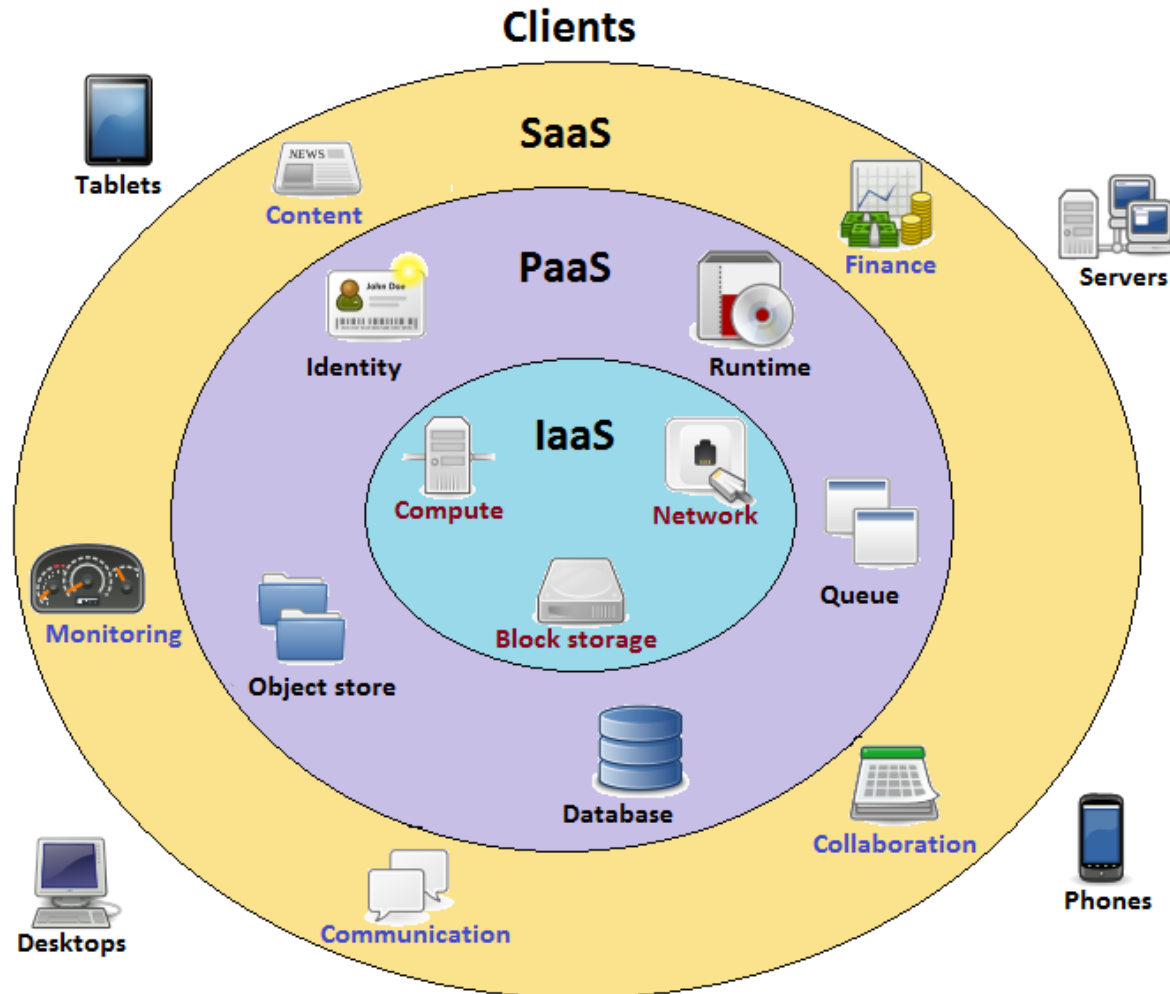
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CLOUD CLASSIFICATIONS

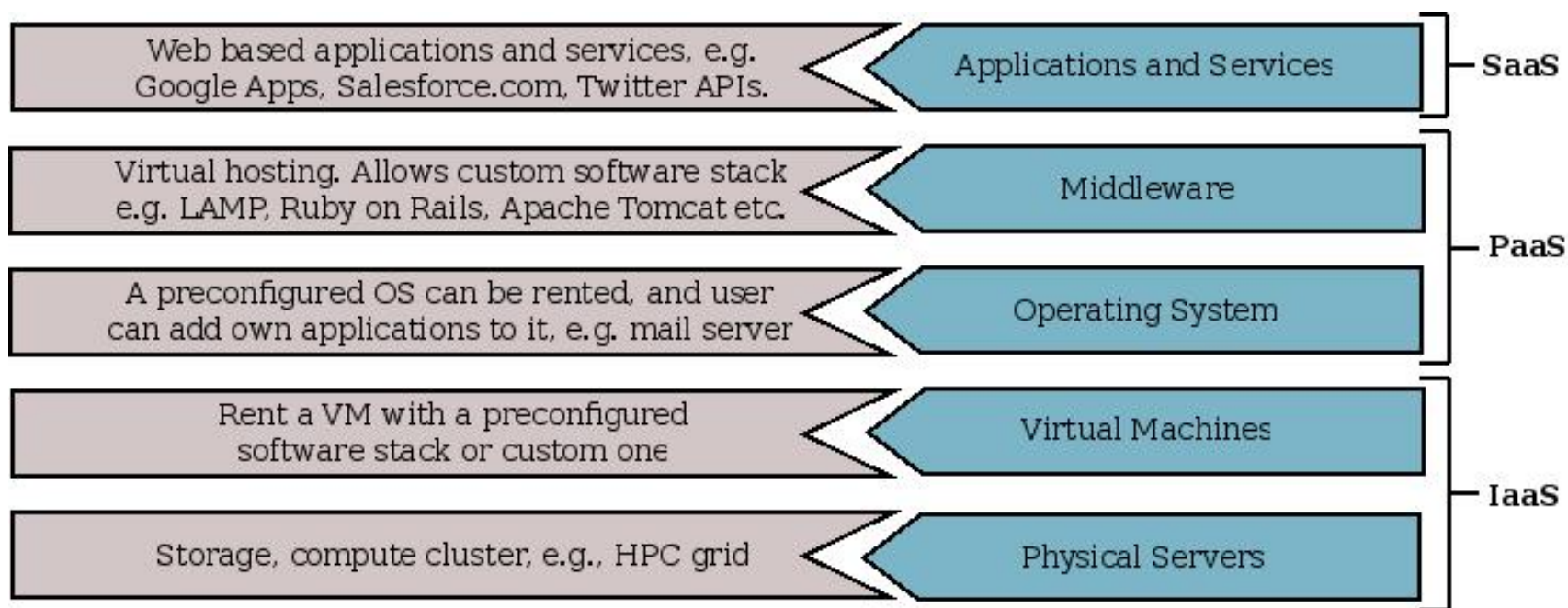
Cloud Classification

- Service model based
 - Depends on the cloud services being offered
 - Infrastructure as a Service (IaaS), e.g., AWS EC2
 - Platform as a Service (PaaS), e.g., Google App Engine
 - Software as a Service (SaaS), e.g., Salesforce.com
- Deployment model based
 - Depends on how a cloud is setup/deployed
 - Private → Operated by and for an individual entity
 - Public → Available to general public like a utility
 - Hybrid → Private and public connected together
 - Community → Setup by and for a group having shared goals

Logical View of Cloud Computing



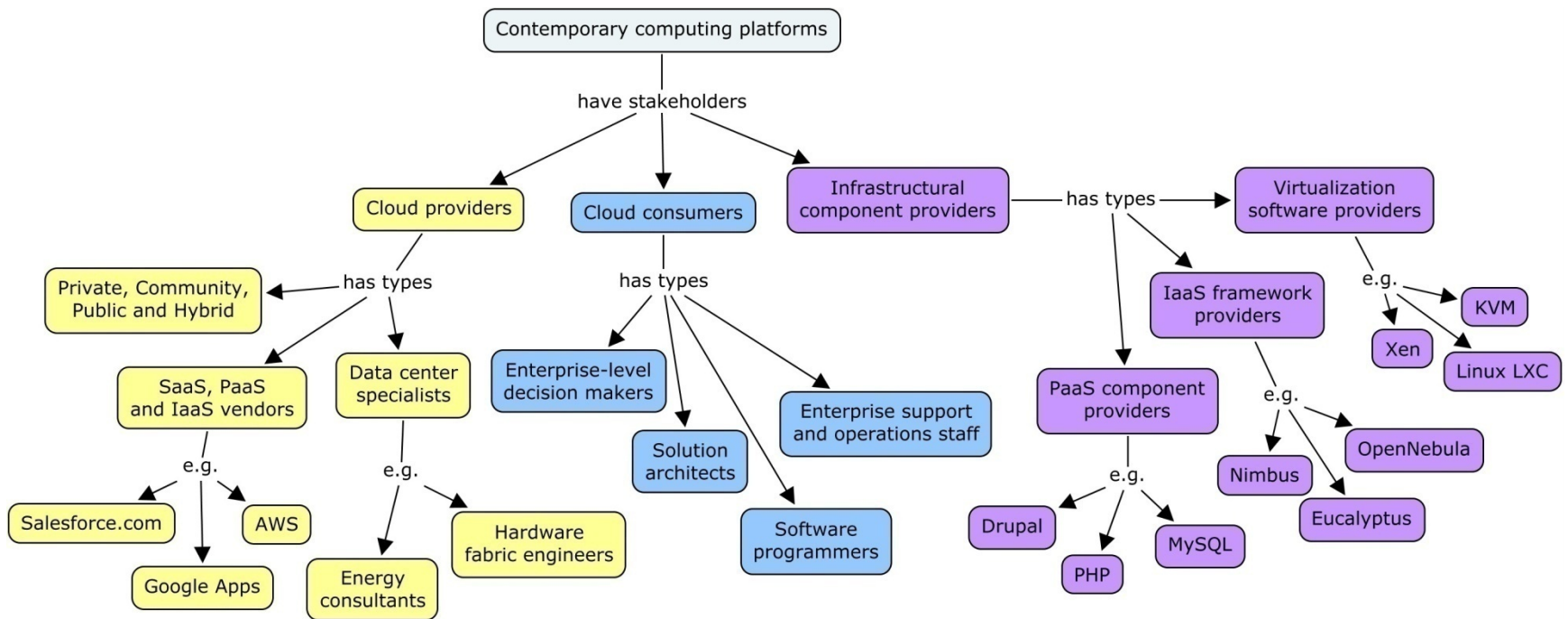
Logical View of Cloud Computing



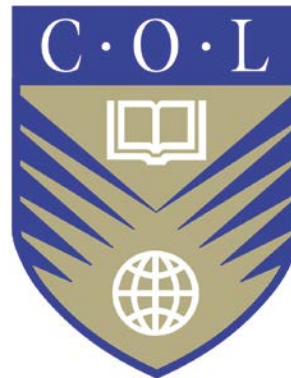
Characteristics Common To All Variants

- Programmatic and Self-service provisioning of resources
- Multi-tenancy → Shared underlying computing infrastructure
- Lack of absolute control/custody of data and computing assets
- Computing as a utility accessible over the network
- Measured service
- Political/legal/geographic location can be transparent to clients
- Different structure for software licensing
- Potential to abuse the relative anonymity behind registration and usage models

Various Stakeholders In Cloud



THANK YOU



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