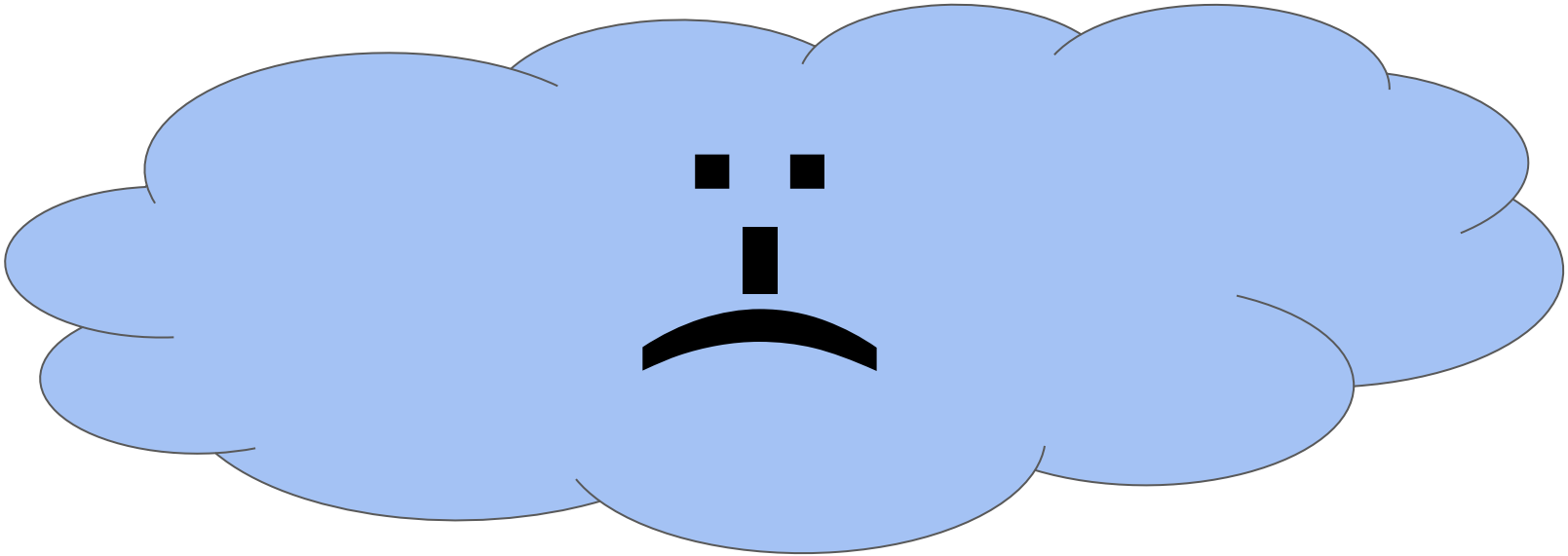


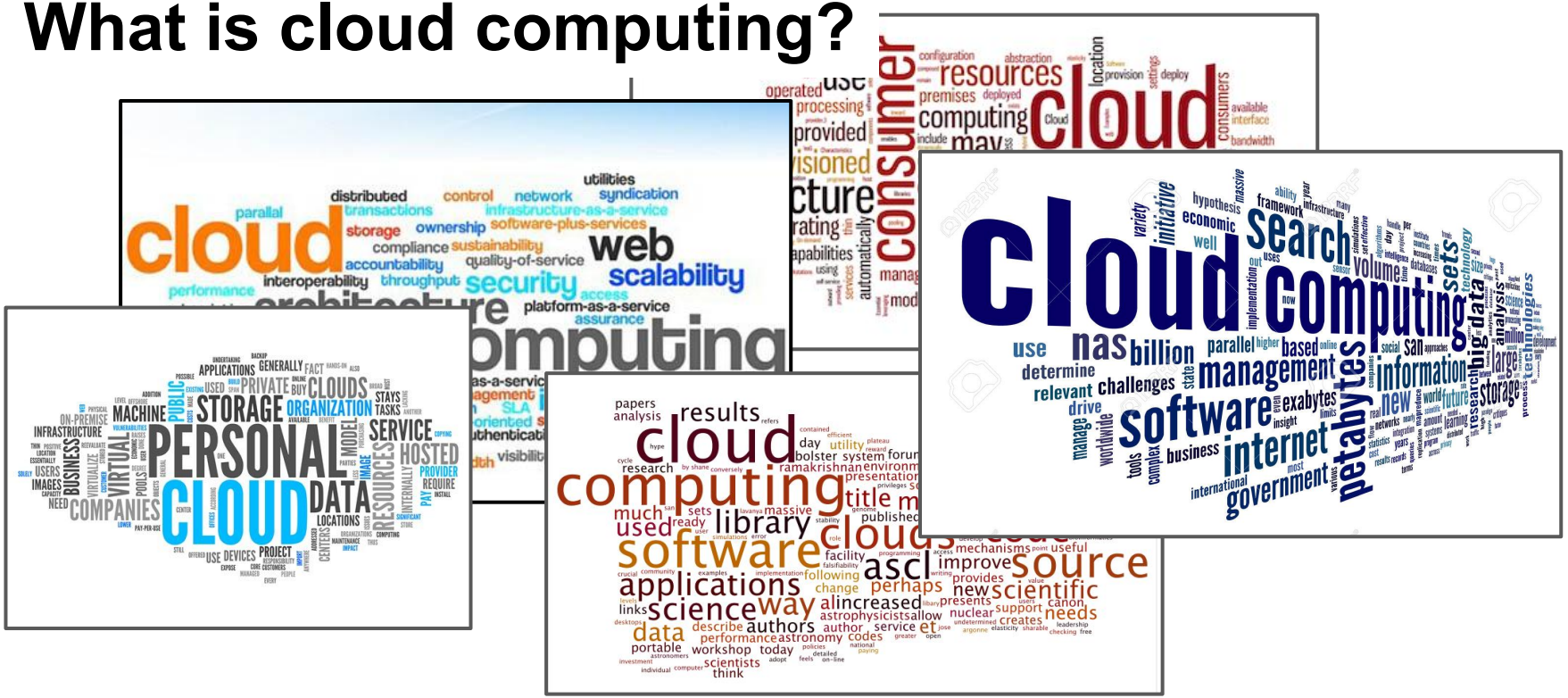
There is no cloud

"It's just someone else's computer"

Mini Master Class
Cloud Awareness

ICU October 2017

What is cloud computing?



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Types of cloud computing

SAAS - Google docs, Exact online, Office 365, Salesforce

PAAS - AWS S3 containers, Hadoop, Azure AppService / Functions, AWS Elastic Beanstalk

IAAS - AWS EC2, Google Compute Engine, Azure VM, Alibaba ECS

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Benefits, opportunities and challenges

Benefits
pay per use
capacity on demand
high availability
everywhere available
scalable
modern infra
connectivity
secure :-)
device independent

Opportunities
redesign
new technology
connectivity
pay per use
focus on value delivery

Challenges
security
latency
compliancy
big data
control on expenses
lift & shift
cloud native designs
cloud agnostic

Gartner

Magic Quadrant for Cloud Infrastructure as a Service, Worldwide

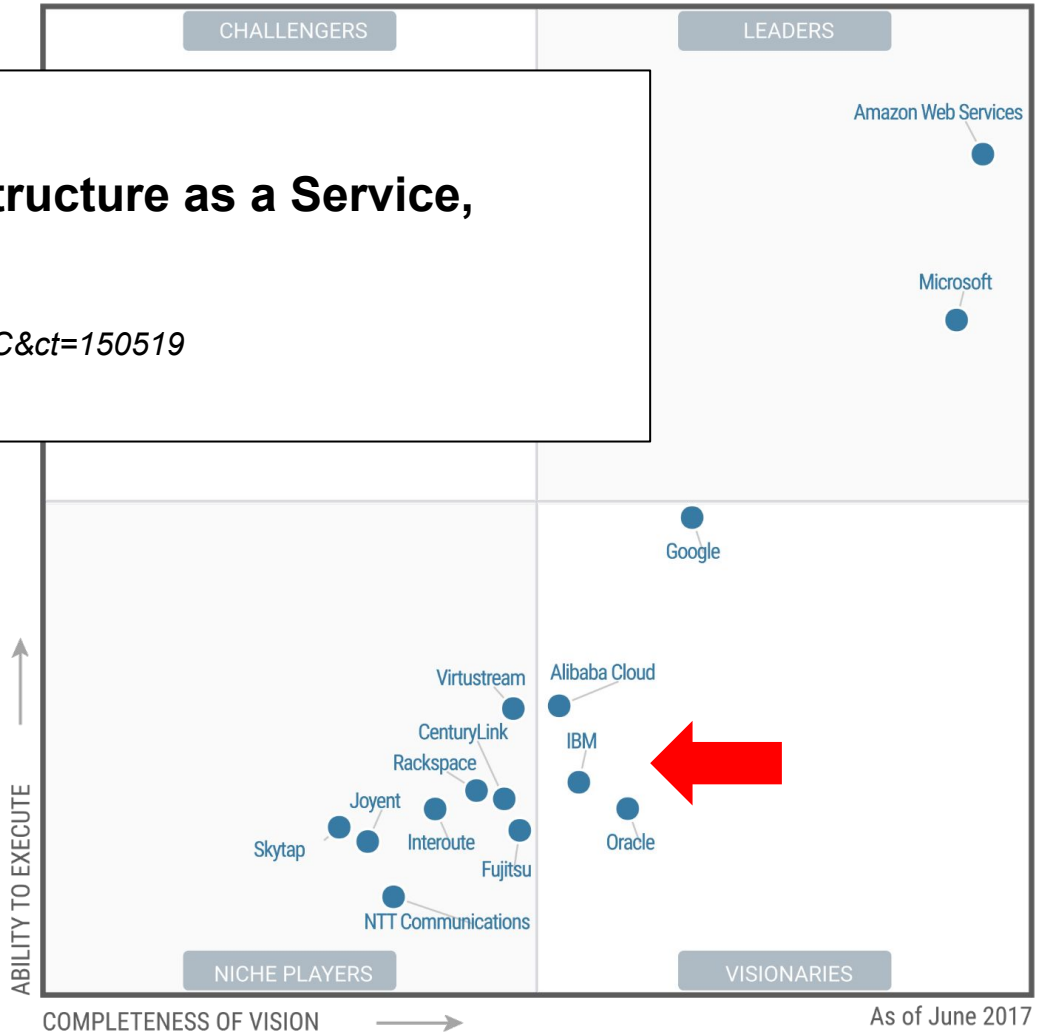
https://www.gartner.com/doc/reprints?id=1-2G2O5FC&ct=150519

amazon web services

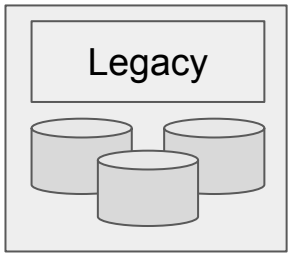
Microsoft Azure

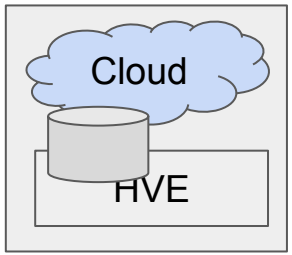
Google Cloud Platform

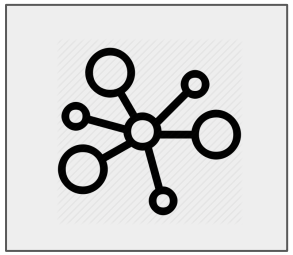
Alibaba Cloud

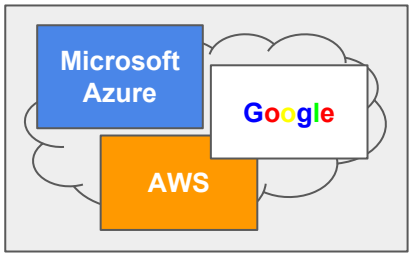


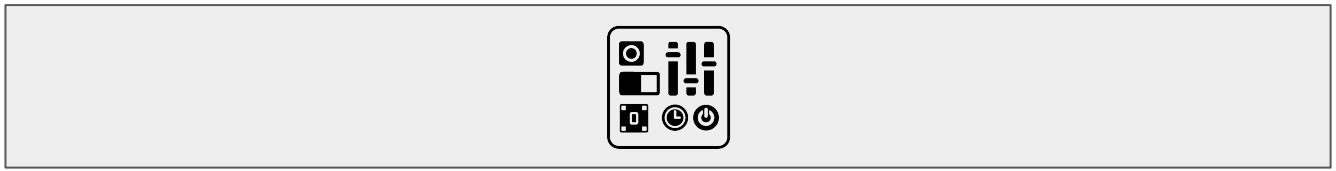
Customers hybrid environment

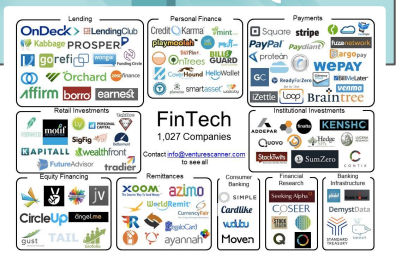












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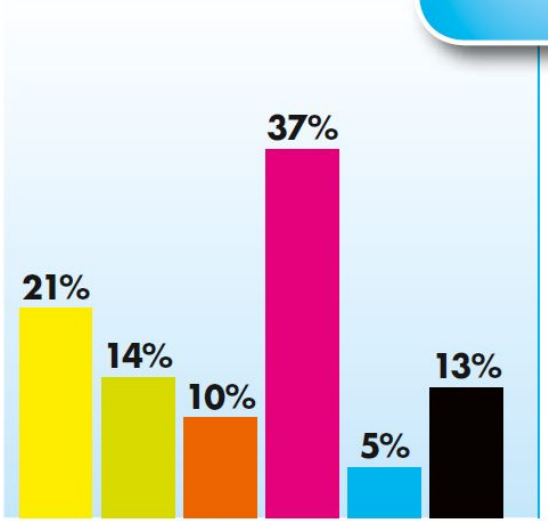
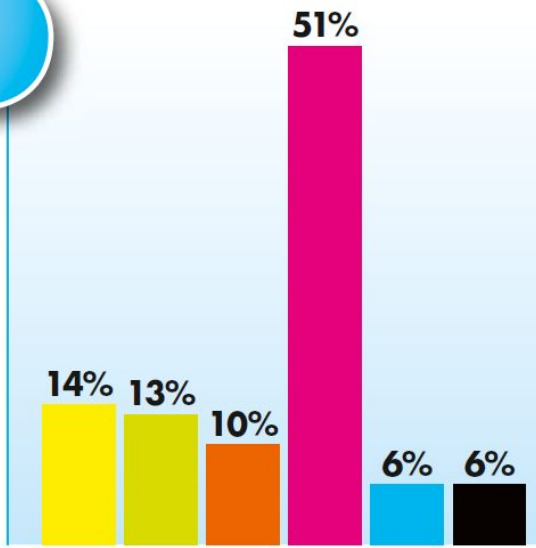
Hybrid Cloud Journey IT Barometer 2017 (Computable)

Welk model voor cloud deployment hanteert jouw organisatie



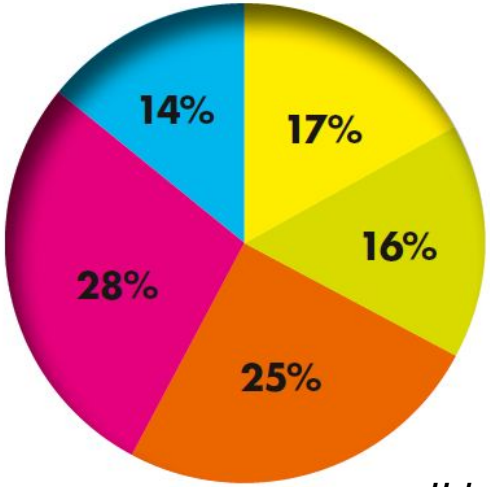
- Private (on premise) cloud – binnen de muren van mijn data center
- Hosted private – een dedicated private cloud oplossing die wordt geleverd binnen de infrastructuur van een service provider
- Public – vanuit een gedeelde pool aan resources (zoals applicaties en storage) die beschikbaar zijn gesteld aan het publiek door een hyperscaler (zoals MS Azure of Amazon Web Services)
- Hybrid – een combinatie van private en public
- Enterprise shared – een shared cloud oplossing die wordt geleverd binnen de infrastructuur van een Nederlandse service provider
- Wij maken geen gebruik van cloud deployment

Welk model voor cloud deployment vind je het meest geschikt voor jouw organisatie



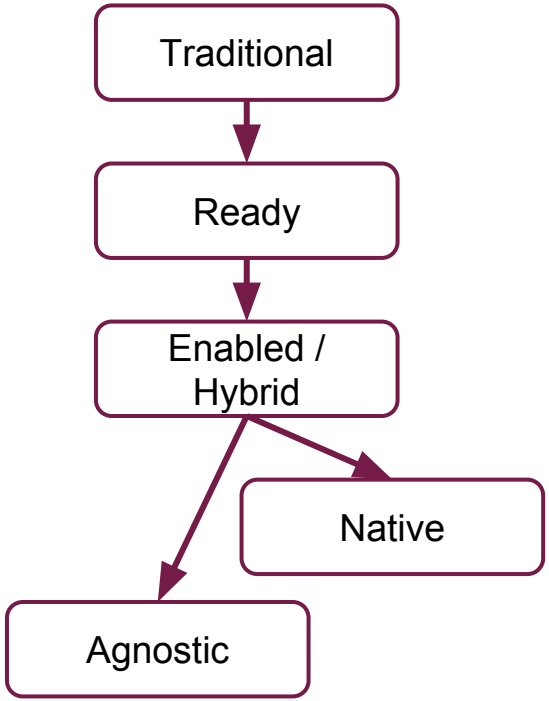
Readiness

Waar staat jouw organisatie op dit moment?



- Standaardisatie van IT – het standaardiseren van de IT-infrastructuur en processen
- Consolidatie van IT – consolideren / samenvoegen van de IT infrastructuur (waaronder fysiek datacenter, minder datacenter, minder remote office IT)
- Virtualisatie van IT – virtualiseren van de IT infrastructuur (onderdelen)
- Automation (Automatisering van repeterende taken) - de koppeling van verschillende systemen en software zodanig zodat ze automatisch werken of zelfregulerend zijn
- Orchestration - het integreren van geautomatiseerde taken en self service beschikbaar stellen naar eindgebruikers

Hybrid Cloud Journey IT Barometer 2017 (Computable)



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