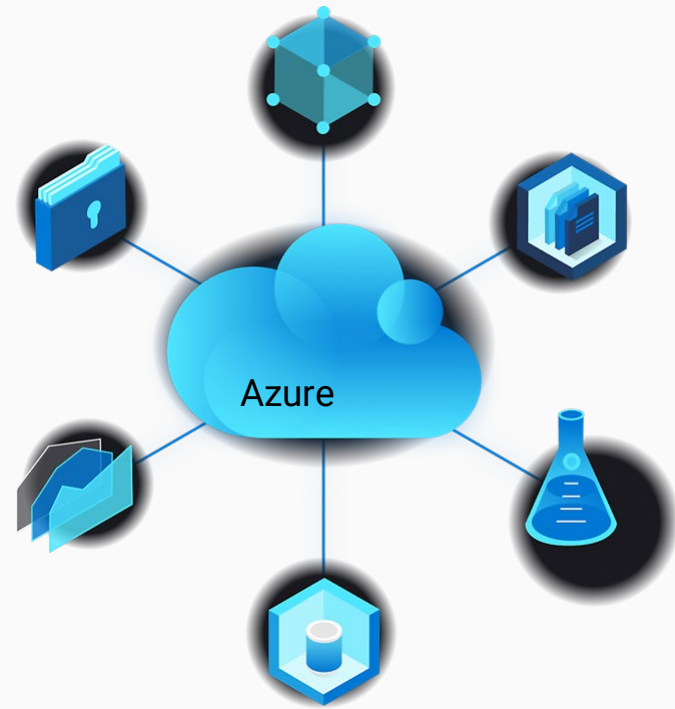# 101: AWS, cloud computing

May 2023
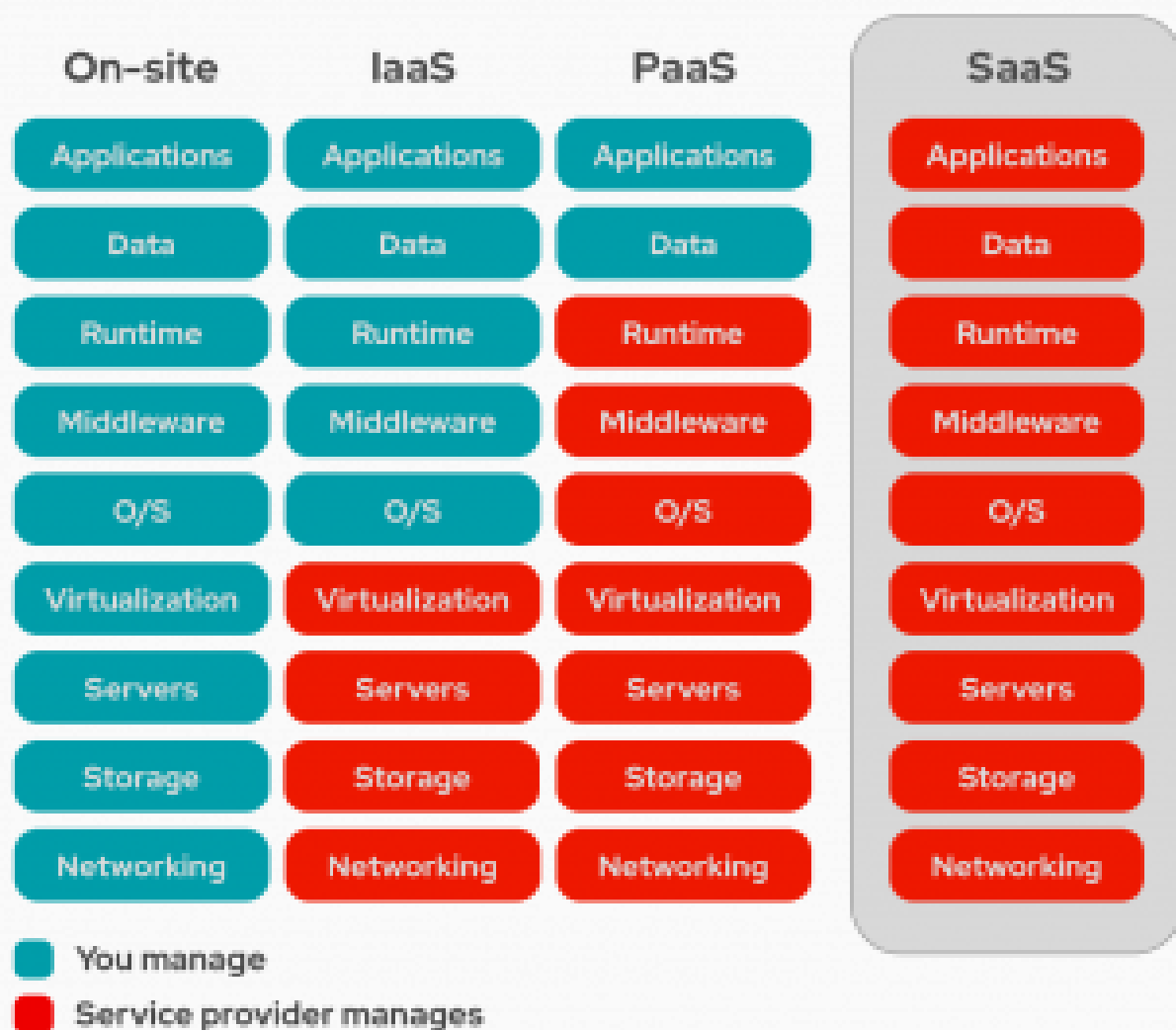
Other people's computers

- Cost
- Performance
- Reliability
- Security
- Scalability

Azure

Types

- Public cloud

- Private cloud

- Hybrid cloud

- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)
- Serverless

On-site	IaaS	PaaS	SaaS
Applications	Applications	Applications	Applications
Data	Data	Data	Data
Runtime	Runtime	Runtime	Runtime
Middleware	Middleware	Middleware	Middleware
O/S	O/S	O/S	O/S
Virtualization	Virtualization	Virtualization	Virtualization
Servers	Servers	Servers	Servers
Storage	Storage	Storage	Storage
Networking	Networking	Networking	Networking

You manage

Service provider manages

AWSサービス: 220種類 (2022)

- Amazon EC2
- AWS Auto Scaling
- AWS Lambda
- Elastic Container Service (ECS)
- Elastic Kubernetes Service (EKS)
- Elastic Load Balancing (ELB)
- Amazon RDS
- Amazon Aurora
- Amazon DynamoDB
- Amazon ElastiCache
- Database Migration Service (DMS)
- Amazon Route 53
- Amazon VPC
- Amazon CloudFront

- Amazon WorkSpaces
- Amazon Simple Email Service (SES)
- Amazon MQ
- Simple Notification Service (SNS)
- Simple Queue Service (SQS)
- AWS CloudTrail
- Amazon CloudWatch
- AWS Budgets
- AWS Cost Explorer
- Amazon Management Console
- AWS Identity and Access Management
- Amazon Simple Storage Service (S3)
- Amazon Elastic Block Store (EBS)