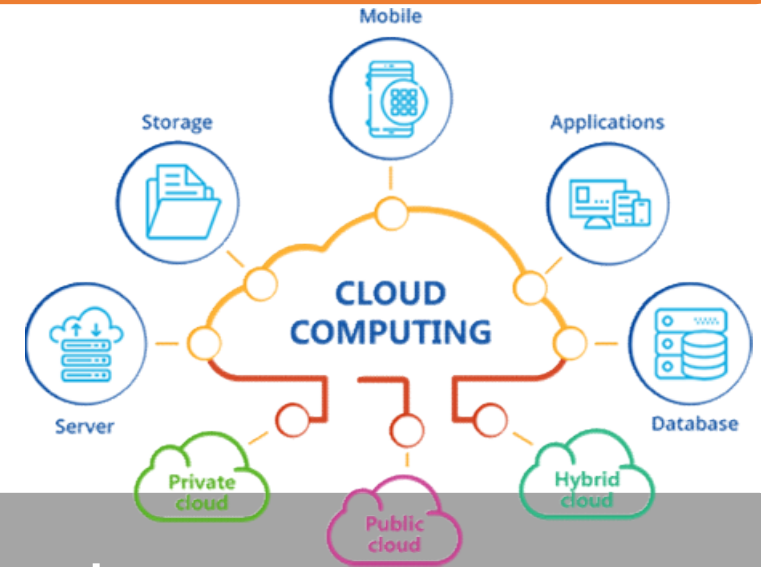# Azure Cloud Computing

# Cloud Computing

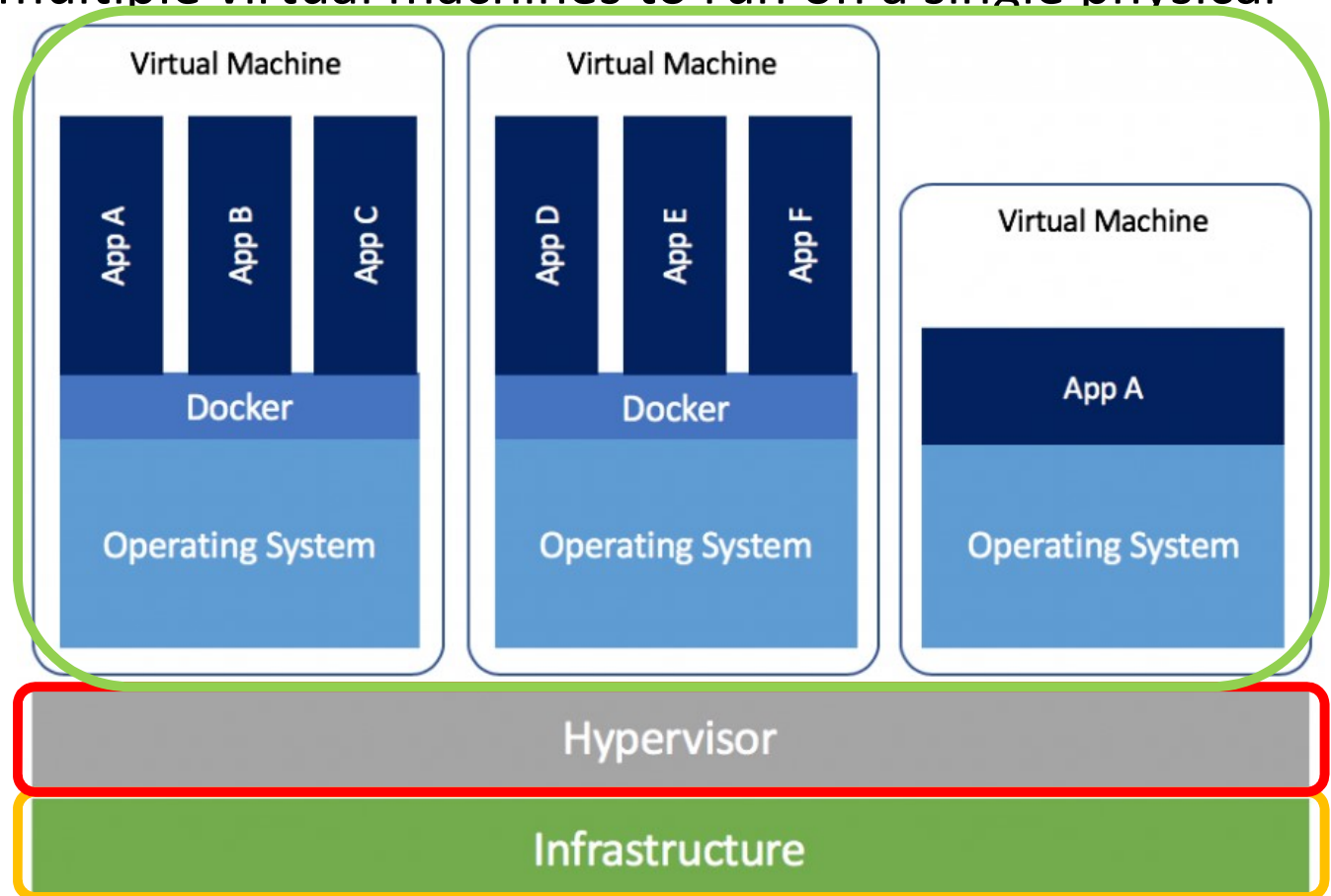## Enables network access to computing resources:

- Networks,
- Servers,
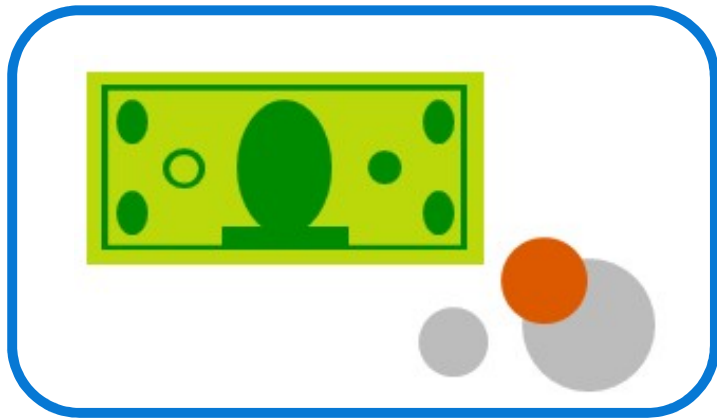- Storage,
- Applications
- Services

## Resources can be rapidly provisioned

# Virtual Machines

- VM technology allows multiple virtual machines to run on a single physical machine
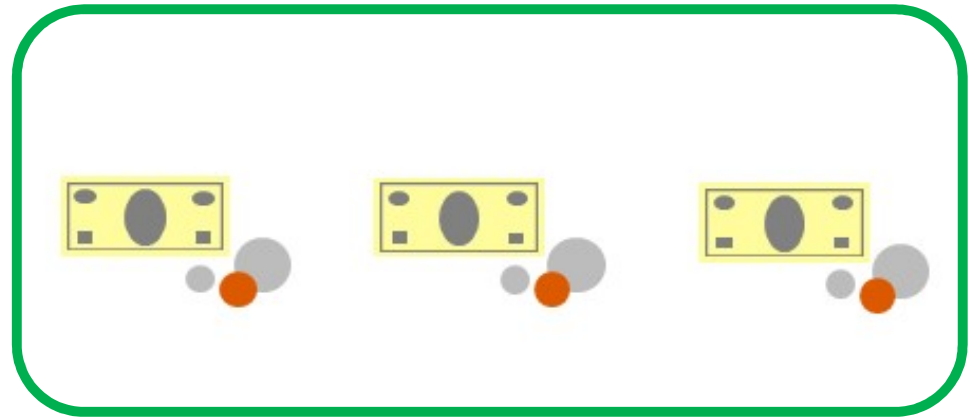
# Compare CapEx vs. OpEx



**Capital Expenditure (CapEx)**
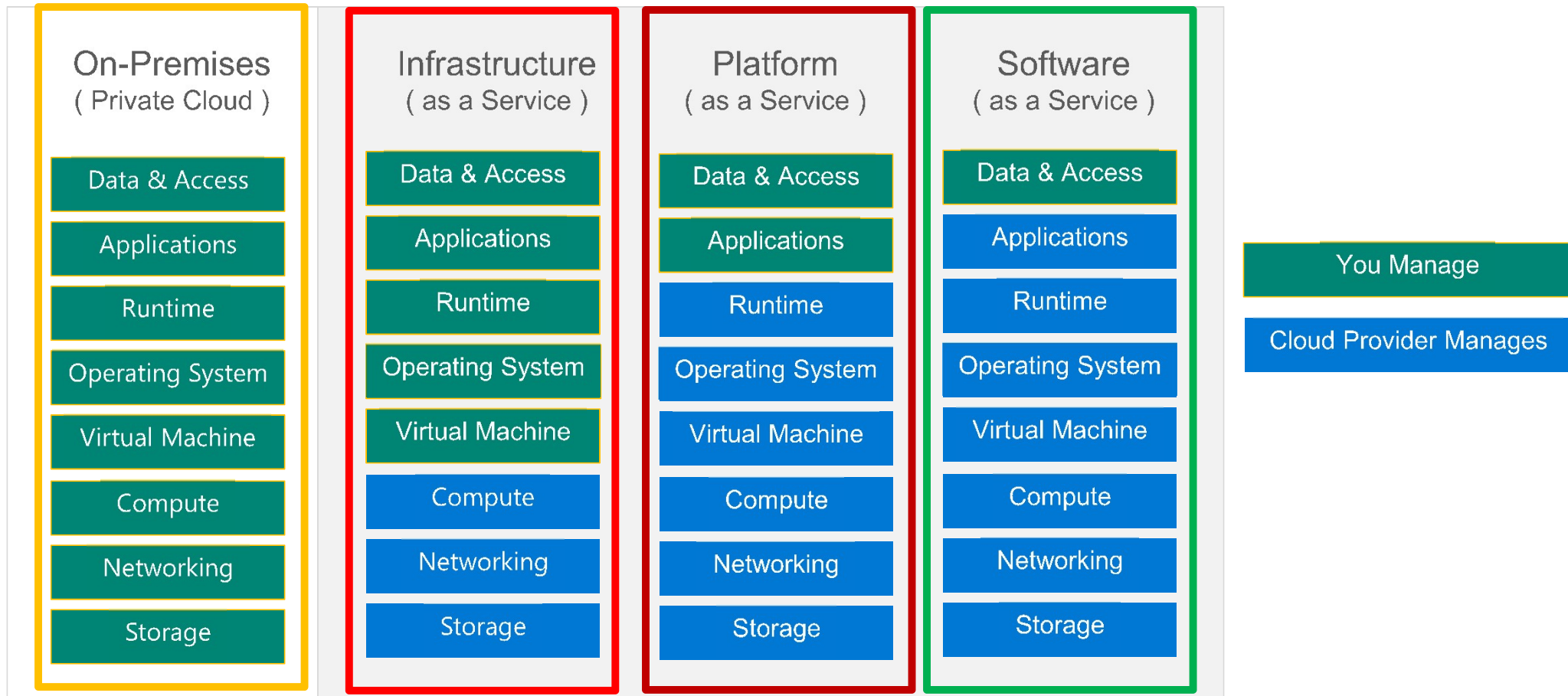
- High upfront cost
- Value of investment reduces over time.

**Operational Expenditure (OpEx)**

- Spend as needed.
- No upfront cost, pay-as-you use.

# Discuss shared responsibility model



| On-Premises<br>( Private Cloud ) | Infrastructure<br>( as a Service ) | Platform<br>( as a Service ) | Software<br>( as a Service ) |
|---|---|---|---|
| Data & Access | Data & Access | Data & Access | Data & Access |
| Applications | Applications | Applications | Applications |
| Runtime | Runtime | Runtime | Runtime |
| Operating System | Operating System | Operating System | Operating System |
| Virtual Machine | Virtual Machine | Virtual Machine | Virtual Machine |
| Compute | Compute | Compute | Compute |
| Networking | Networking | Networking | Networking |
| Storage | Storage | Storage | Storage |

You Manage

Cloud Provider Manages

# Hands-on: Create a Virtual Machine

# Thanks