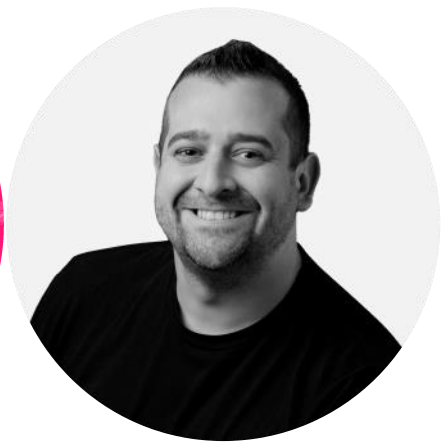


# Microsoft Security, Compliance, and Identity Fundamentals: Concepts

## Cloud Computing: Who Secures What?



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# Overview



## Types of cloud computing services

- IaaS Vs. PaaS Vs. SaaS

## Cloud computing: who secures what?

- The shared responsibility model



# Cloud Computing: Who Secures What?



# Types of Cloud Computing Services

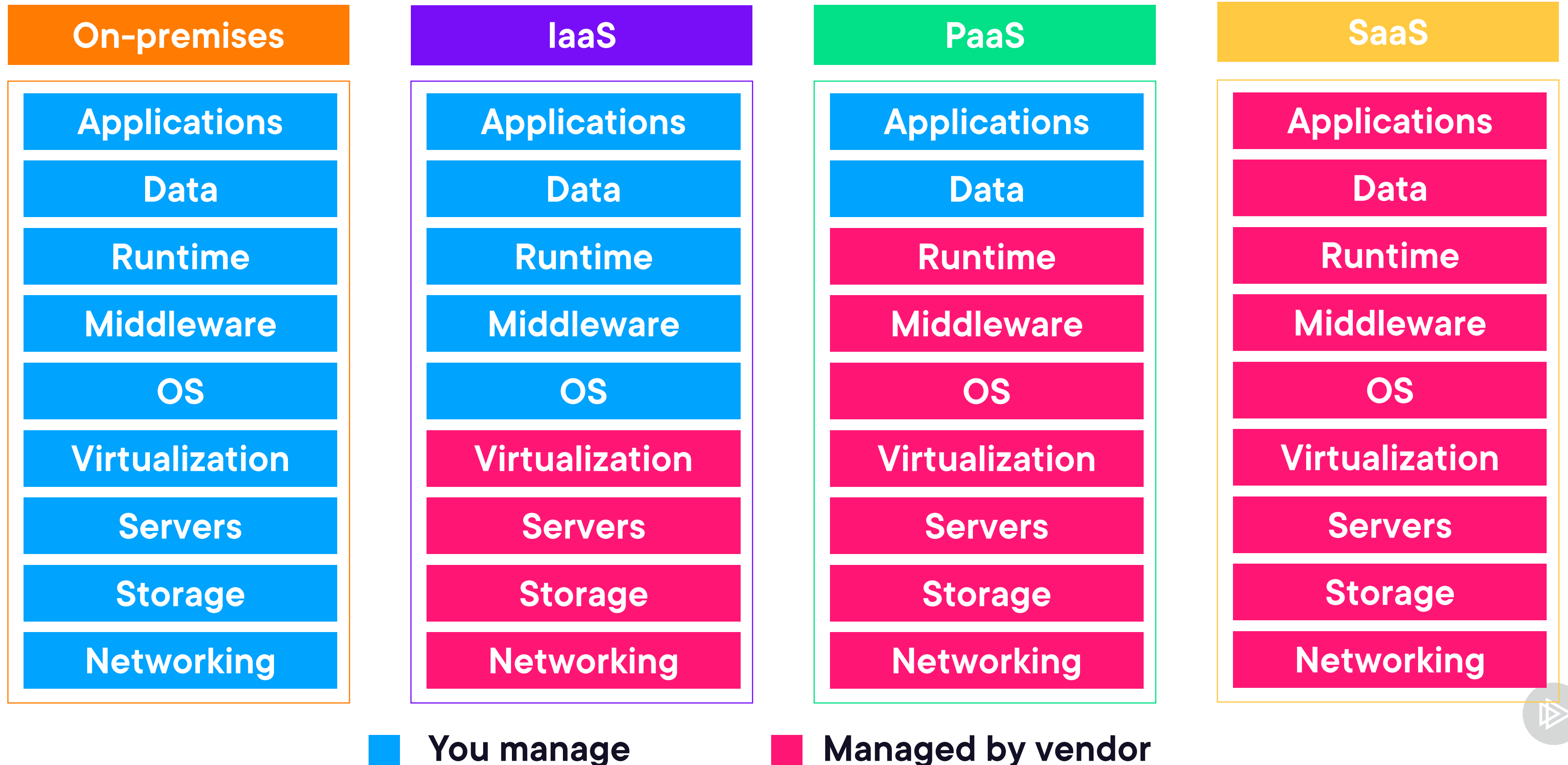
**Infrastructure  
as a Service  
(IaaS)**

**Platform  
as a Service  
(PaaS)**

**Software  
as a Service  
(SaaS)**



# Types of Cloud Computing Services



# Pizza as a Service

 You manage

 Managed by vendor



# Most Companies Use Products from Each Service Type

## IaaS

**Azure Compute  
(Virtual  
Machines)**

**Azure Storage**

## PaaS

**Azure Logic Apps**

**Azure Functions**

**Azure  
Web Apps**

**Azure  
Automation**

## SaaS

**SharePoint**

**OneDrive for  
Business**

**Microsoft Teams**



# Security in the Cloud Is a Partnership



**The cloud provider operates and secures**

- The base infrastructure
- Host operating system layers

**You control and secure**

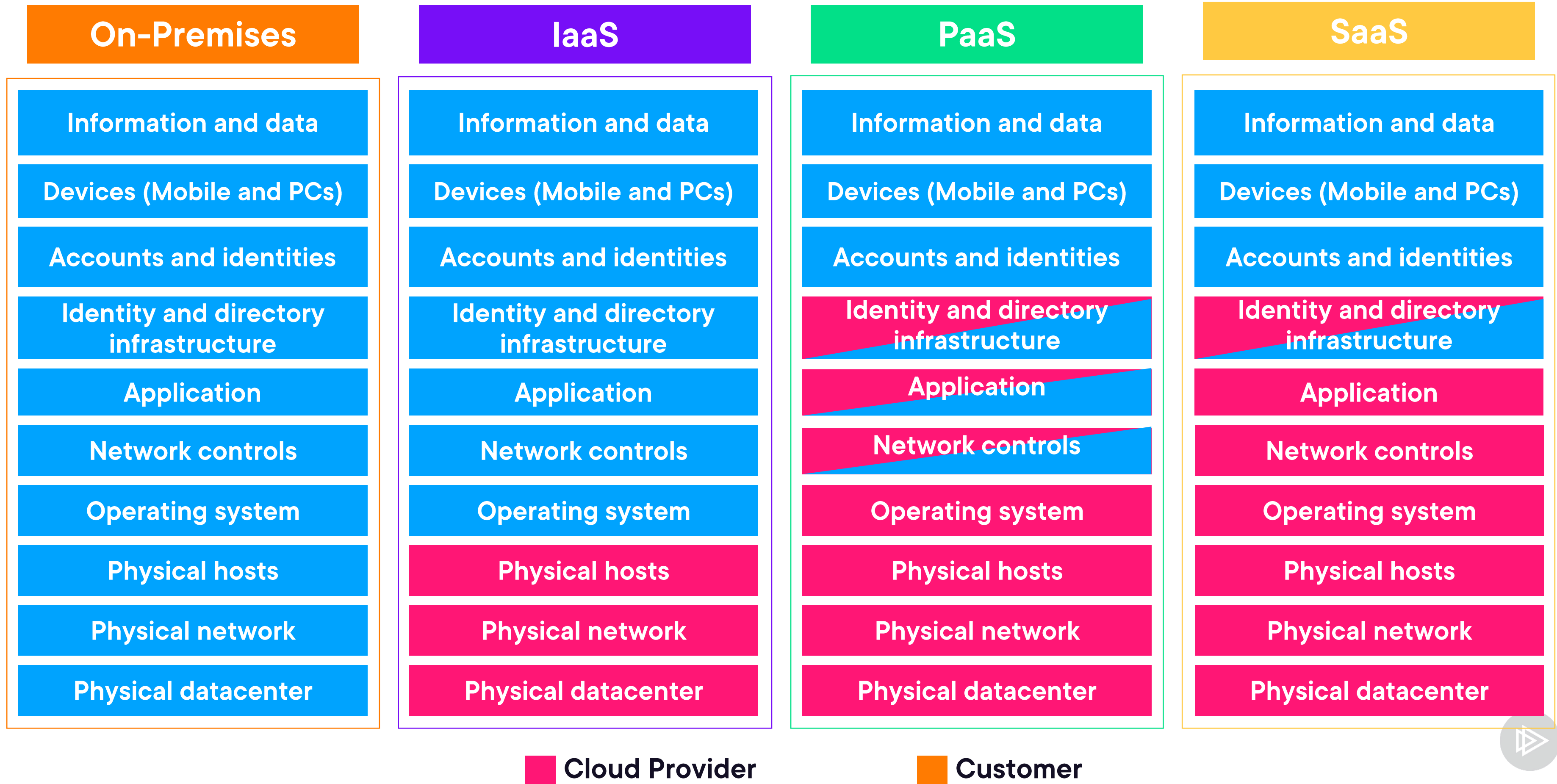
- Identities
- Additional application settings (ex: MFA)

**The responsibilities and controls for the security of applications and networks vary by the service type**





# Who Secures What? – The Shared Responsibility Model



**It's your duty to know what  
your security  
responsibilities are for each  
type of workload you  
leverage in the cloud**



# Module Conclusion



## Types of cloud computing services

- Infrastructure as a Service
- Platform as a Service
- Software as a Service

## Shared responsibility model

- Different responsibilities depending on cloud service type
- Some responsibilities are **always** retained by the customer!
  - Information and data
  - Devices
  - Accounts and identities



**Up Next:**

# **Security Concepts and Methodologies in the Microsoft Cloud**

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