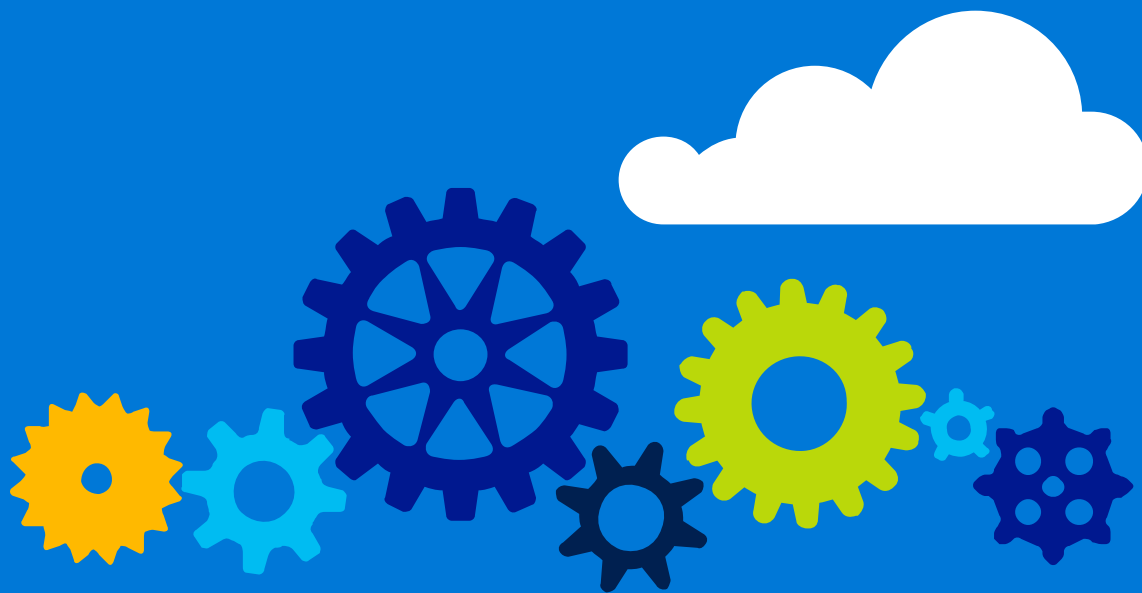


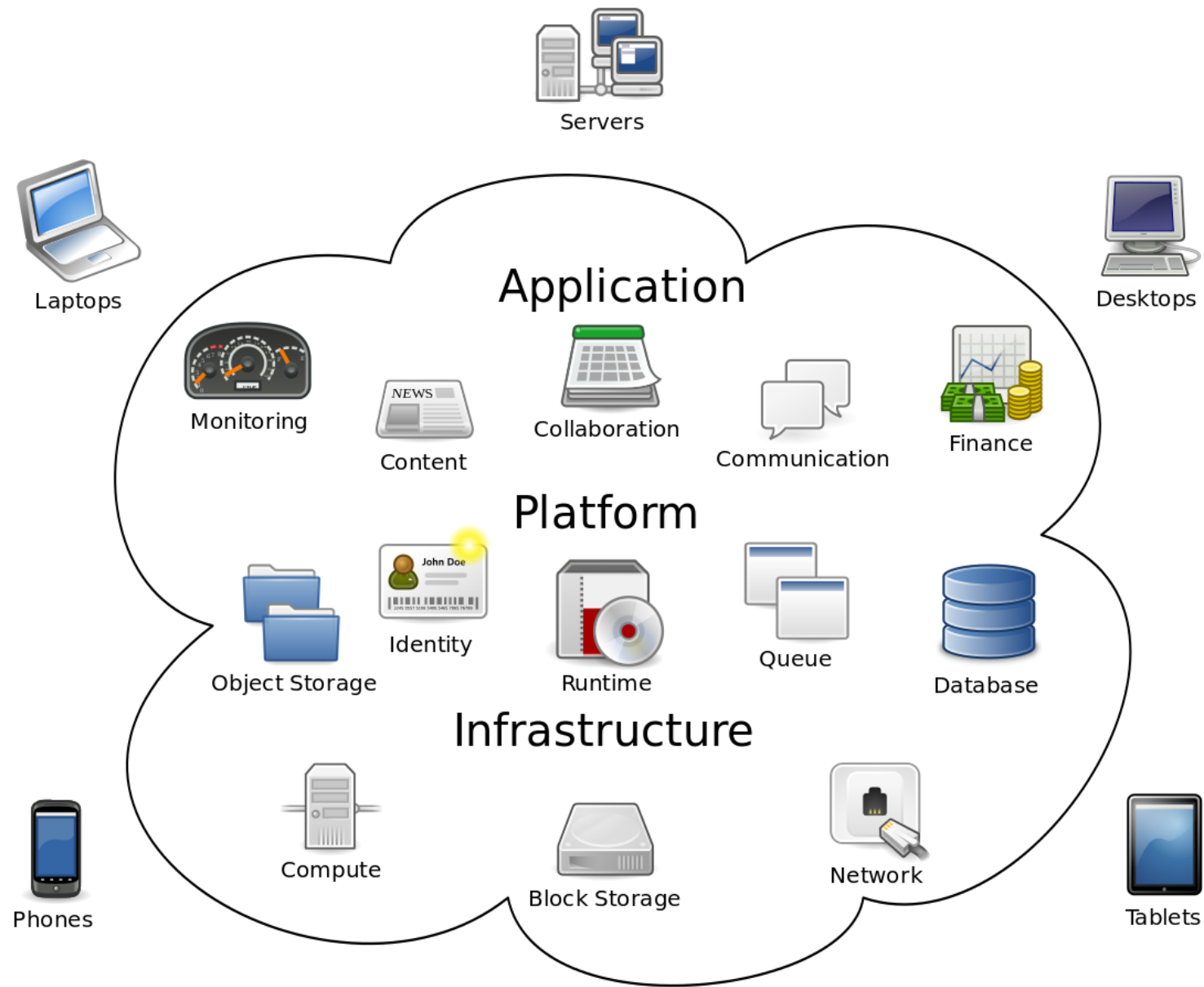
# 클라우드 컴퓨팅 소개

김은지

기술 에반젤리스트  
마이크로소프트



# 클라우드 컴퓨팅?



# Cloud computing

# 클라우드 컴퓨팅 특징

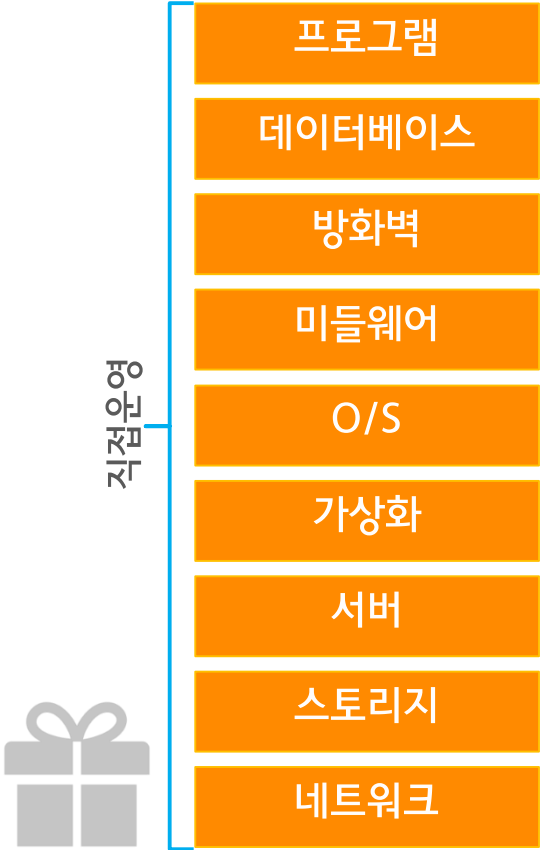
- 언제 어디서나
- 내가 필요할 때마다
- 사용한 만큼만
- 탄력적으로
- 공유되지만 나는 모르게

재미난 옛날 이야기...

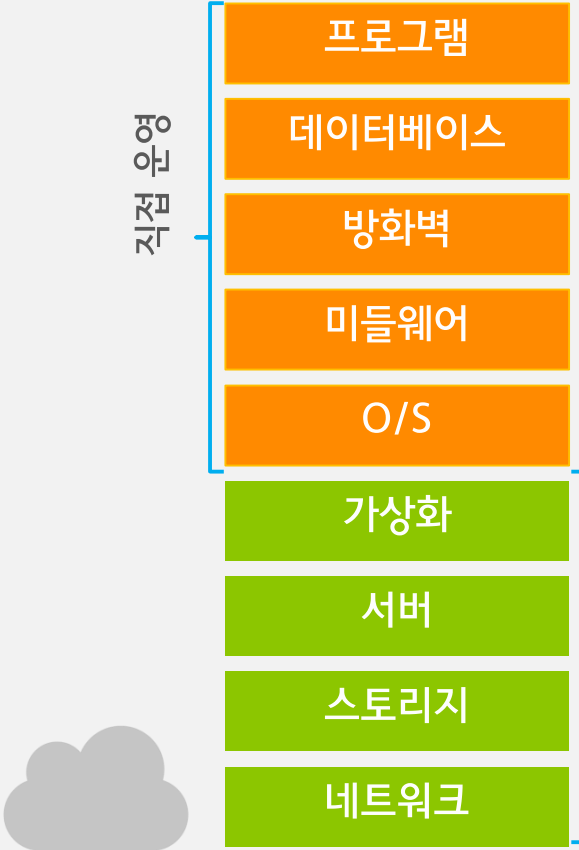
# 클라우드 컴퓨팅 이용사례

# 클라우드 서비스 모델

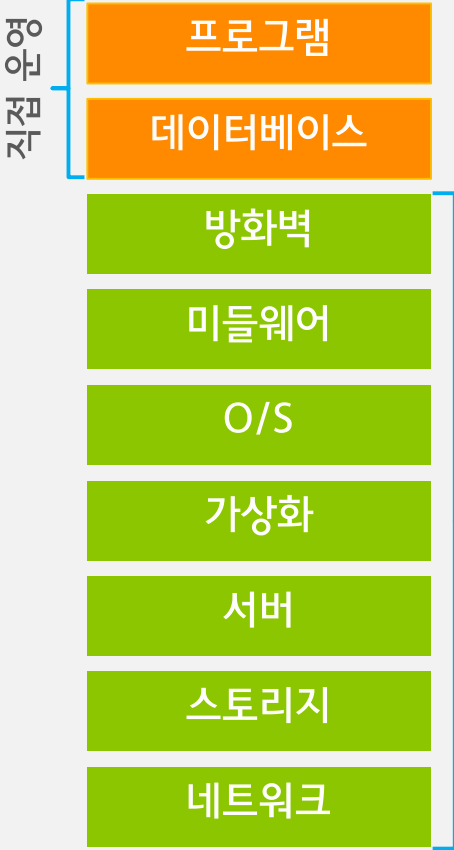
## 일반전산실 (자가소유)



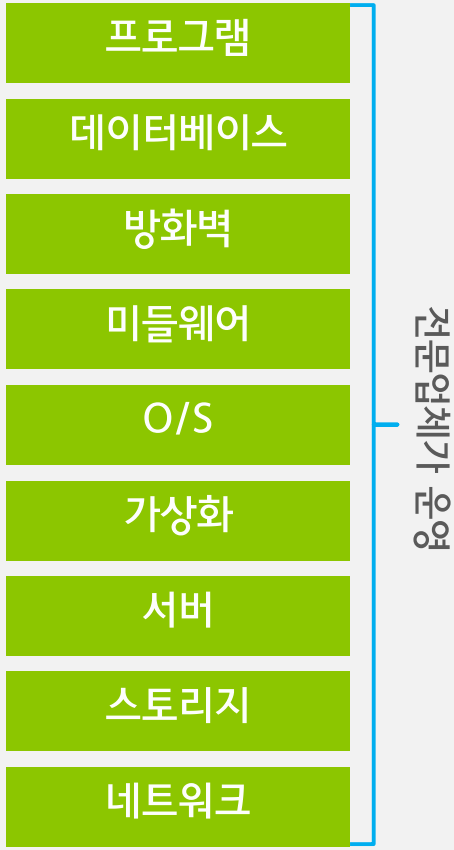
## Infrastructure (as a Service)



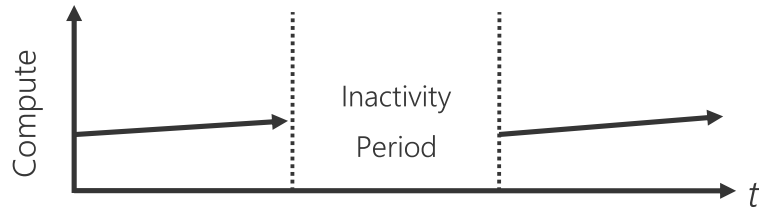
## Platform (as a Service)



## Software (as a Service)

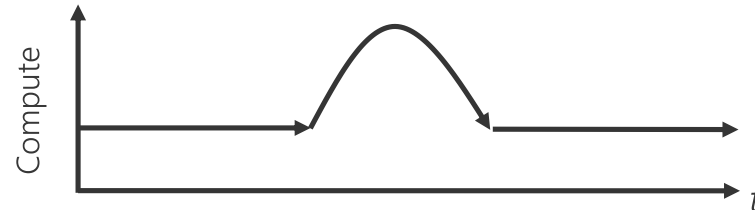


# 클라우드 컴퓨팅 이용 패턴



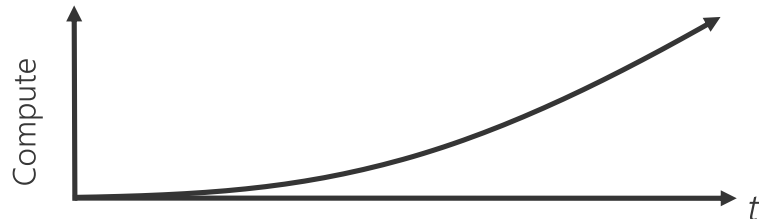
## On and Off

On & off workloads (e.g. batch job)  
Over provisioned capacity is wasted  
Time to market can be cumbersome



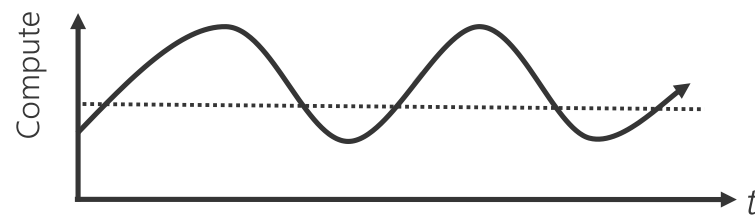
## Unpredictable Bursts

Unexpected/unplanned peak in demand  
Sudden spike impacts performance  
Can't over provision for extreme cases



## Growing Fast

Successful services needs to grow/scale  
Keeping up w/ growth is big IT challenge  
Cannot provision hardware fast enough



## Predictable Bursts

Services with micro seasonality trends  
Peaks due to periodic increased demand  
IT complexity and wasted capacity



# Microsoft Azure

Platform Services

Security & Management

- Portal
- Active Directory
- Multi-Factor Authentication
- Automation
- Key Vault
- Store / Marketplace
- VM Image Gallery & VM Depot

Compute

- Cloud Services
- Service Fabric
- Batch
- Remote App

Web and Mobile

- Web Apps
- API Apps
- API Management
- Mobile Apps
- Logic Apps
- Notification Hubs

Developer Services

- Visual Studio
- Azure SDK
- Team Project
- Application Insights

Hybrid Operations

- Azure AD Connect Health
- AD Privileged Identity Management
- Backup
- Operational Insights
- Import/Export
- Site Recovery
- StorSimple

Integration

- Storage Queues
- Biztalk Services
- Hybrid Connections
- Service Bus

Analytics & IoT

- HDInsight
- Machine Learning
- Data Factory
- Event Hubs
- Stream Analytics
- Mobile Engagement

Data

- SQL Database
- SQL Data Warehouse
- Redis Cache
- Search
- DocumentDB
- Tables

Media & CDN

- Media Services
- Content Delivery Network (CDN)

Infrastructure Services

Compute

- Virtual Machines
- Containers

Storage

- BLOB Storage
- Azure Files
- Premium Storage

Networking

- Virtual Network
- Load Balancer
- DNS
- Express Route
- Traffic Manager
- VPN Gateway
- Application Gateway

Datacenter Infrastructure (34 Regions)



# Demo #1

Azure Portal 설명

