

Cloud Computing Definition



On-demand self-service

No human intervention needed to get resources



Broad network access

Access from anywhere



Resource pooling

Provider shares resources to customers



Rapid elasticity

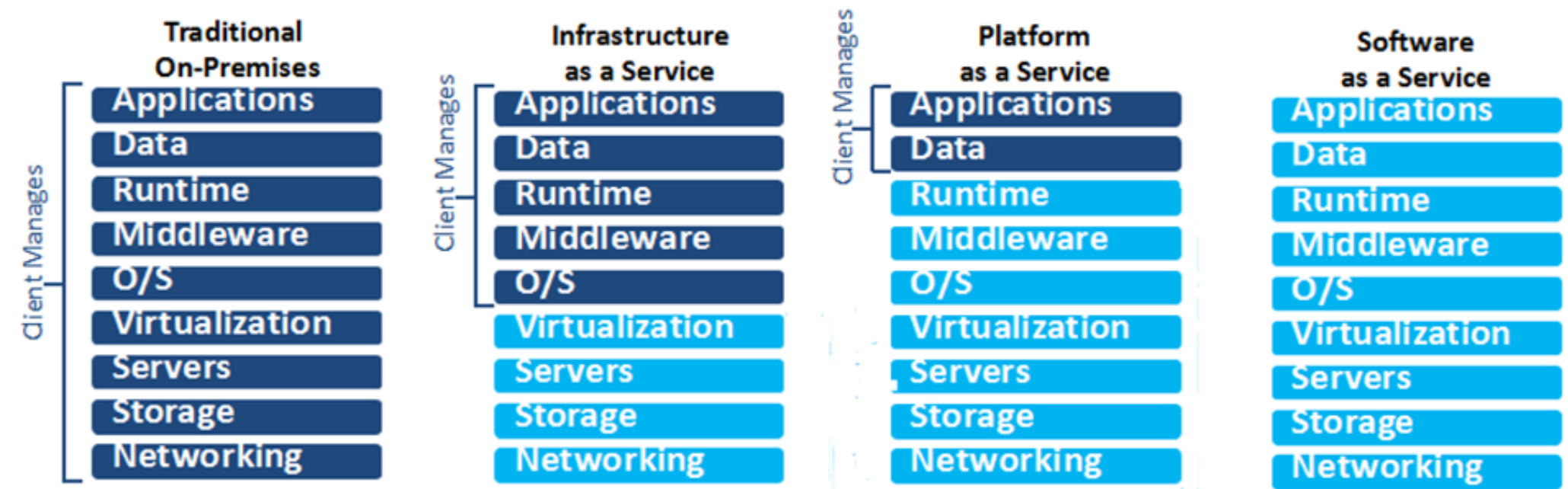
Get more resources quickly as needed



Measured service

Pay only for what you consume

Cloud Service Models



Cloud Deployment Model



PUBLIC CLOUD

- Offered by third-party providers
- Available to anyone over the public internet
- Scales quickly & convenient



PRIVATE CLOUD

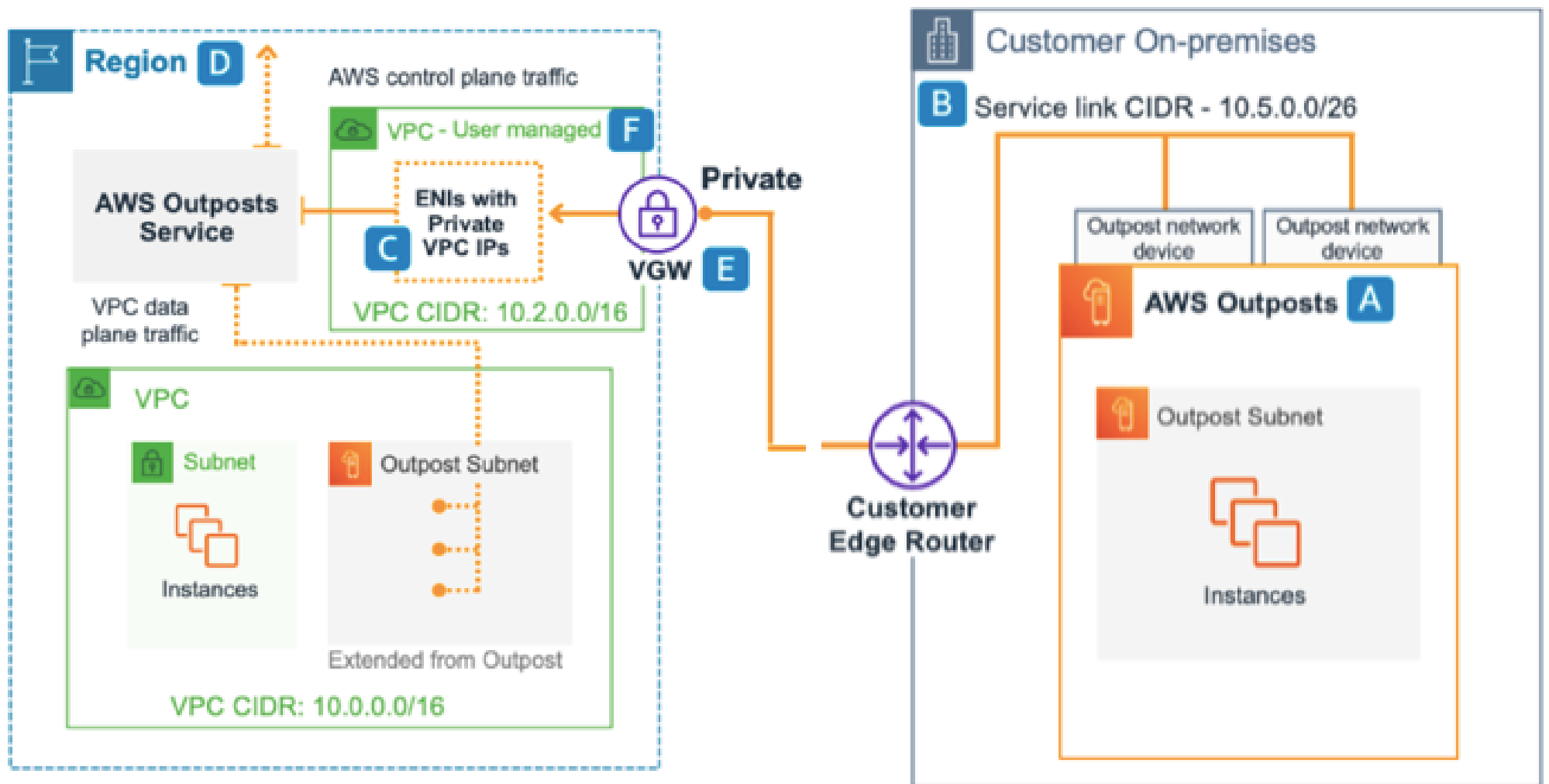
- Offered to select users over the internet or a private internal network
- Provides greater security controls
- Requires traditional data center staffing & maintenance



HYBRID CLOUD

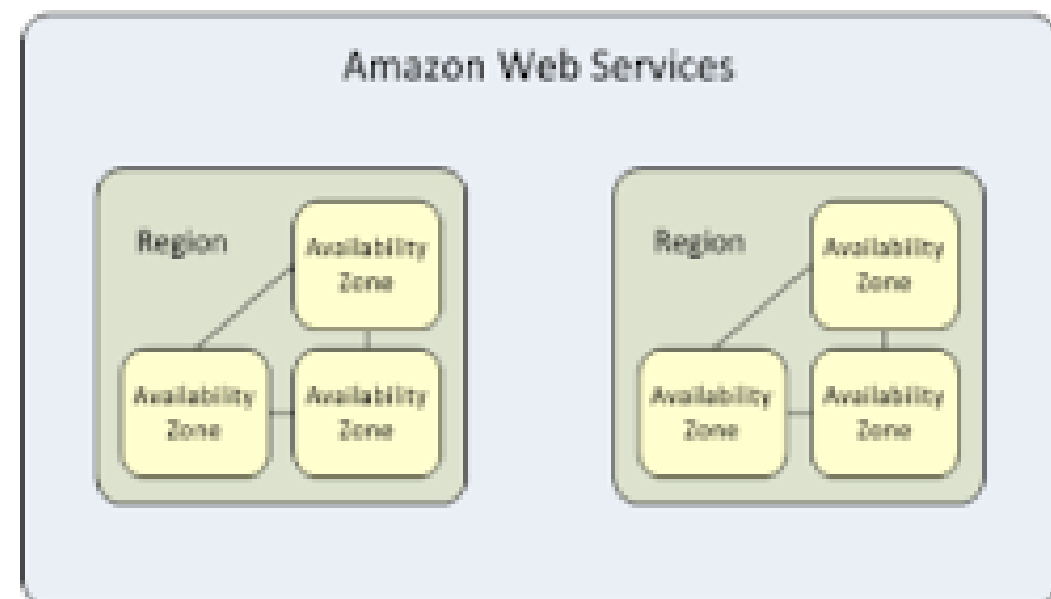
- Combination of both public & private cloud
- Shared security responsibility
- Helps maintain tighter controls over sensitive data & process

Cloud Deployment Model



Global Infrastructure

AWS Zones



AWS Services

Deployment & Management

Application Services



Amazon
SQS



Amazon
Elastic Transcoder



Amazon
SES



Amazon
AppStream



Amazon
Cloud Search

Mobile Services



Amazon
Cognito



Amazon
Mobile Analytics



Amazon SNS

Enterprise Applications



Amazon
WorkDocs



Amazon
WorkSpaces



Amazon
WorkMail

Application Services

Administration & Security



AWS
Directory Service



AWS
Identity & Access
Management



AWS
Trusted Adviser



AWS
Config



AWS
CloudTrail



Amazon
CloudWatch

Deployment & Management



AWS
CloudFormation



AWS
OpsWorks



AWS
CodeDeploy

Analytics



Amazon
Kinesis



AWS
Data Pipeline



Amazon
EMR

Foundation Services

Compute



Amazon
EC2



AWS
Lambda

Storage & Content Delivery



Amazon
CloudFront



Amazon
Glacier



AWS
Storage Gateway



Amazon
Content Delivery

Database



Amazon
DynamoDB



Amazon
RDS



Amazon
Redshift



Amazon
Elastic Cache

Networking



Amazon
Route 53



Amazon
VPC



AWS
Direct Connect

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