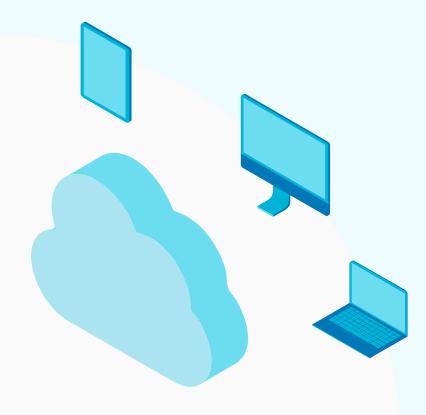
# Cloud Computing & Data Centers

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# **Technology Overview**



### **Cloud Computing**

- Computing services delivered over the internet or "cloud"
- On demand
- Rapid elasticity

#### **Data Center**

- Facility of networked computers
- Storage
- Infrastructure

### **Applications** laaS SaaS PaaS aws sales*f*orce

- Computing
  resources
- Virtual machines
- Networking infrastructure

- Application development
- Databases
- Middleware

- Software applications
- Email
- Office suites
- CRM

## **Applications cont.**

#### Data Storage & Backup

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- Scalable
- Cost effective
- Reduced storage infrastructure

### Big Data Analytics



- Cloud facilitates
  processing and analysis
- Cloud provides computing power and storage

#### Internet of Things



- Wearables
- Smart Home
- Autonomous Vehicles

# **Market Opportunities**





### Digital Transformation

- Modernizing IT infrastructure
- Adopting cloud technologies



### **Edge Computing**

- Reduced
  latency
- Internet of Things
- Autonomous systems

### **Enterprise Cloud**

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- Increased
  efficiency
- Better
  security
- Cost savings



- Personalized Customer Experience
- Resource
  Management
- Provide Security Solution

### **Strengths & Benefits**

### **Reliability & Recovery**

- Data backups
- Recovery solutions
- Redundancies

#### **Cost Efficiency**

- Pay as you go
- Reduced hardware



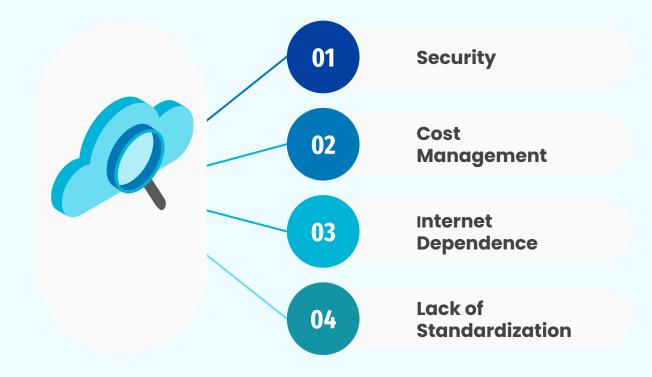
### Accessibility

- Remote access
- Collaboration

### Scalability

- Adjust to demand
- Efficient resource use

### **Problems & Challenges**



### **Future Trends**



**AI:** With artificial intelligence growing rapidly, more data is being processed, resulting in more storage being needed.

**Enhanced Data Storage:** Data storage capacities are constantly growing, making it easier/cheaper for businesses to store their data.

**Security:** Cloud providers are improving security measures with stricter controls on who has access to data and how it can be used.

**Multi-cloud/Hybrid:** Businesses are increasingly using multiple public/private clouds, taking advantage of the best features in each provider.

### Conclusion

#### **The Future**

- Challenges will contribute to the immediate enhancement of cloud technologies
- Lay the foundation for sophisticated cloud infrastructures
- This will shape the trajectory for years to come.



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### Q&A

- Why would you think some are afraid to use Cloud?
- To you, what makes Cloud more attractive than a in-house computing?

