Cloud Computing and Mobility

Dr. Mark Boutwell
SCCE Conference
February 2020

Internet

Wireless Access Point

Gateway Router

Remote Access

Clients

BYOD Employees

Visitors Vendors Guests

Remote Access Gateway Router

Internet

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Key Points

Advances in Software Development
Technology Convergence
Robust Training Program
Cloud Computing

Privacy
Data Integrity
Monitoring and Auditing
Mobility

Remote Access
Monitoring and Auditing
Device and User Preferences
Challenges to the Security Framework
Compliance

Complex Regulations
Overlapping and Conflicting Guidance
Lack of Standardization
Private and Public Clouds
Compliance and Cybersecurity Convergence
Cybersecurity

Network Architecture
Mobile Device Security
Software Applications
Training

Robust Threat Landscape
Delivery Methods
Training Design
Additional Topics

Internet of Things
Edge Computing
Vendor Security
BYOD
“A culture of collaboration is essential between the workforce and the compliance, cybersecurity, and training programs to achieve positive change.”
- Dr. Mark Boutwell