



# Computing Posture & Strategy Update

## Department of Information Technology

Board Of Supervisors IT Committee

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## ENTERPRISE COMPUTING ARCHITECTURE



### **BUSINESS AGILITY, CONTINUITY, HYBRID COMPUTING**

RELIABILITY, PRODUCTIVITY, SCALABILITY, & SECURITY

## **FAIRFAX COMPUTING STRATEGY**

- HYBRID CLOUD
  - MULTIPLE ON-PREMISE PRIVATE DATACENTERS & PUBLIC CLOUDS
- CLOUD EXCHANGE
  - CONNECTING SECURELY TO ANY CLOUD SERVICE PROVIDERS
- BUSINESS CONTINUITY
  - ABILITY TO FAILOVER BETWEEN PRIVATE & PUBLIC CLOUD ENVIRONMENTS



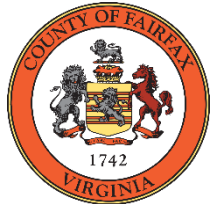
# ENTERPRISE HYBRID ARCHITECTURE



## HYPERCONVERGED INFRASTRUCTURE (FAIRFAX PRIVATE CLOUD & PUBLIC CLOUD)

VIRTUALIZATION, APPLICATION FAILOVER, AUTOMATION, SECURITY

Corporate Applications  
Virtual Infrastructure  
Backup Systems



Private  
Datacenter

**PRIVATE CLOUD**

Corporate Applications  
Virtual Infrastructure  
Backup Systems



Commercial  
Datacenter

**HYBRID CLOUD**

Corporate Applications  
Virtual Infrastructure  
Backup Systems



Commercial  
Cloud

**PUBLIC CLOUD**



## PRINCIPLES OF CLOUD COMPUTING STRATEGY

### **OPERATIONAL EFFICIENCIES**

Ability to respond to meet the growing changes of business needs

### **SECURITY, RELIABILITY & BUSINESS CONTINUITY**

Uptime guaranteed, data backup, datacenter failover by design, and ability to scale up resources on demand

### **PRODUCTIVITY - SCALABLE & FLEXIBLE**

Rapid deployment of applications and server computing, leveraging existing IT teams on R&D activities





# Questions & Discussion

