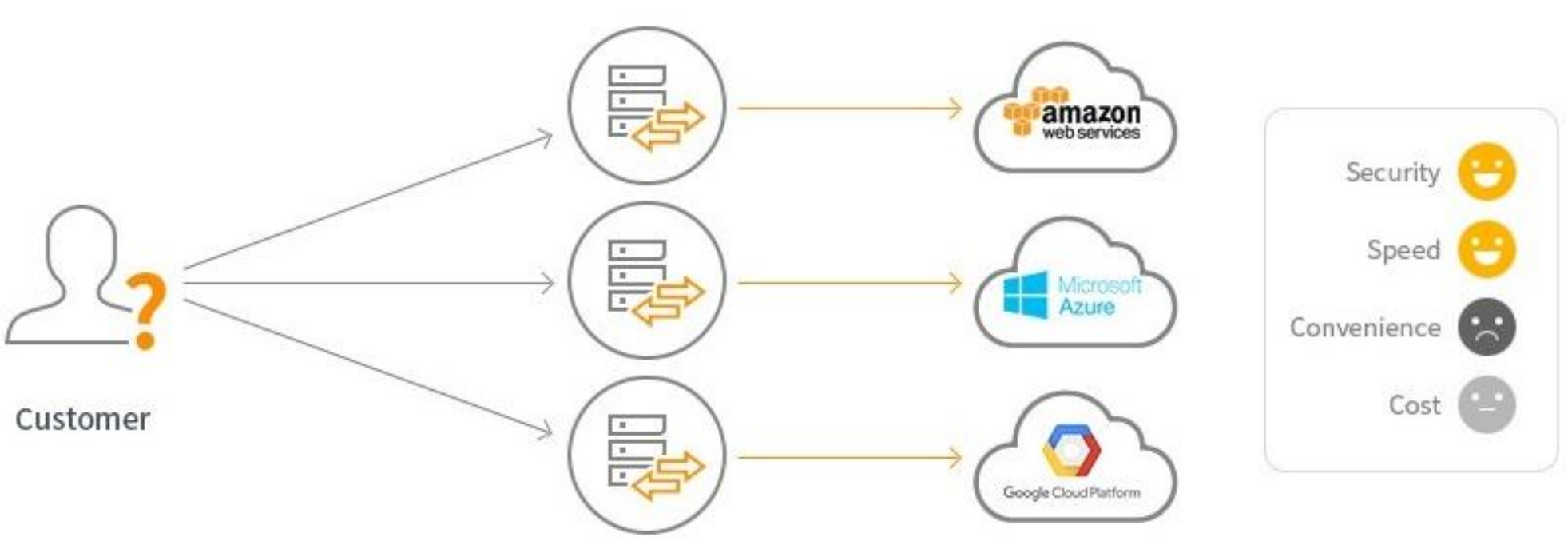
Virginia Information Technologies Agency

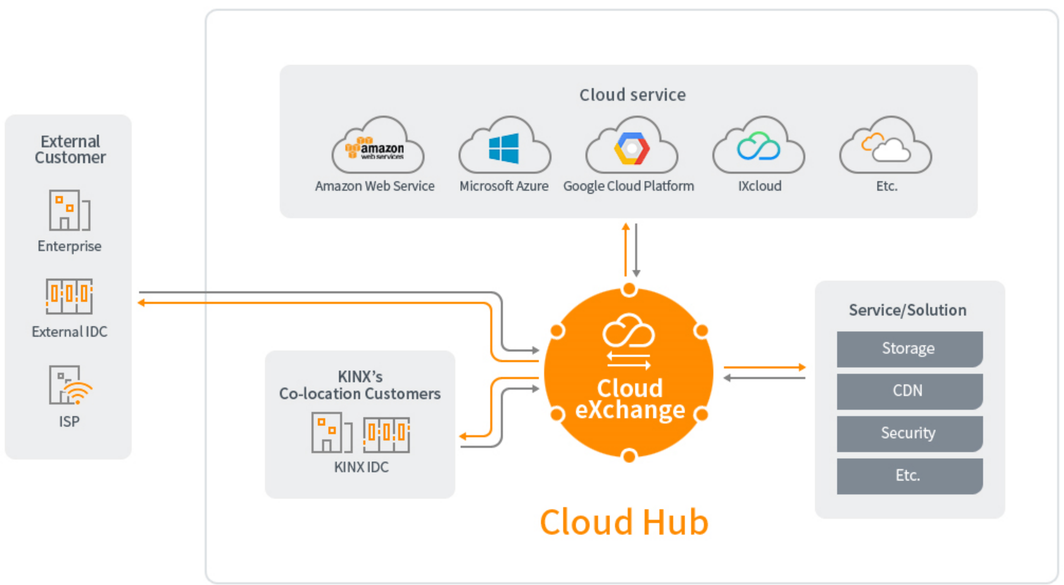
Cloud Exchange / Hub

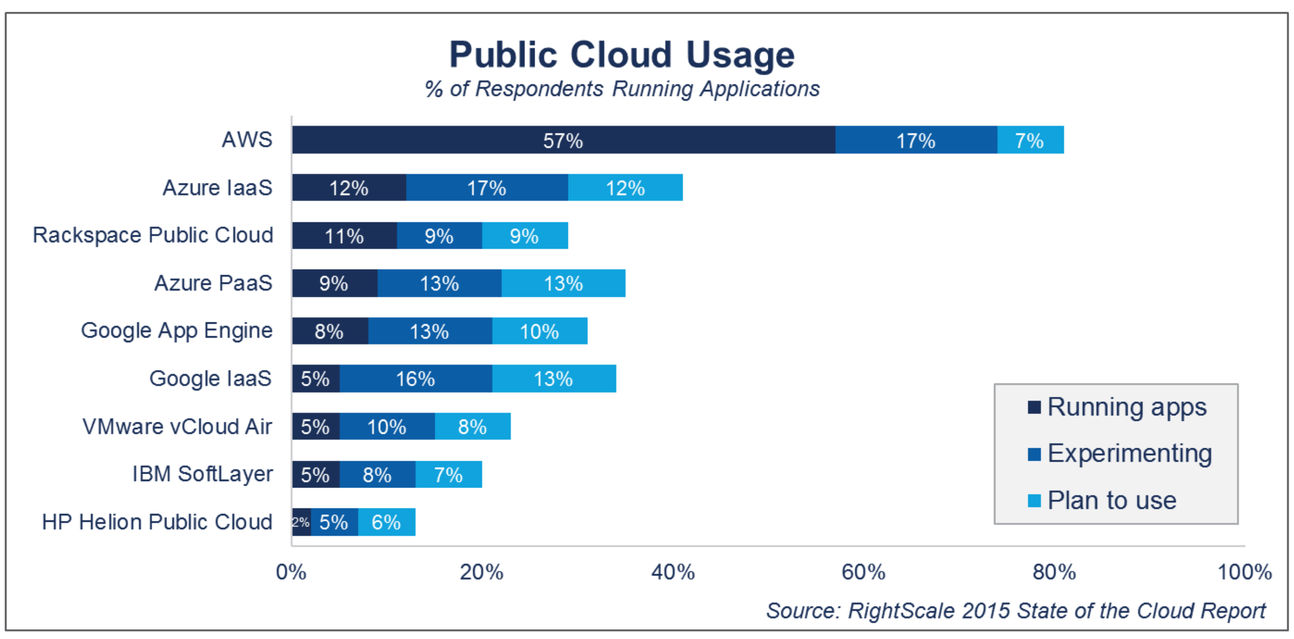


* Service Comparison Table

Items	Using Individual Dedicate Lines	Using Cloud Hub	Using general internet service
Multi-Cloud	Suitable	Suitable	Unsuitable
Application Process	Need to inquire each providers	Intergrated support from KINX	Configure individually
Line management	By each provider	With a single line	Not available
Cost	Cross- Connect cost for each services + Private cloud transmission cost (High)	Cloud Hub cost + Private cloud Transmission cost (Low)	Internet fee (High) + Cloud transmission cost (High)
Transmission Performance (Throughput, Latency)	Stable & High quality	Stable & High quality	Depending on Internet environment
Security	Safe (dedicated line)	Safe (dedicated line)	Weak (Public Internet environment)

‘Cloud Hub’ enables access to Multi-Cloud
and even various services and solutions, over a single connection.





PURPOSE: To generate understanding of what a cloud exchange means for the VITA enterprise. Other names associated with a cloud exchange include: Cloud Broker, AWS Direct Connect, MS Azure ExpressRoute, Google Cloud Interconnect, Verizon Secure Cloud Interconnect (SCI), Zayo's CloudLink, Digital Reality Cloud Service Exchange, Equinix Cloud Exchange, NTT Multi-Cloud Connect Services, AlohaNAP Cloud Connect service, AT&T NetBond Cloud Connectivity Service, RCS Interconnect Hub, Kinx Cloud Hub, etc. **Version 042817-1330**

Robert Kowalke ~ Enterprise Architecture ~ robert.kowalke@vita.virginia.gov
Relationship Management & Governance (RM&G) @ Virginia Information Technologies Agency (VITA)
Commonwealth Enterprise Solutions Center (CESC)