



Boeing Cloud Adoption

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Which Cloud?

- Google
- Microsoft Azure Public
- Microsoft Azure Government
- Amazon AWS Public
- Amazon AWS Government
- Skytap
- Rackspace
- IBM SmartCloud
- CenturyLink Cloud
- OpenStack on premise
- Cloud Foundry on premise

Steps for Cloud Adoption

- Security
- Digital Transformation
- Architecture
- Select Cloud Architecture

Security

- Company Security Data Classifications
 - Public, Business Sensitive, Business Critical, Personal Information, Regulatory
 - Security controls: Basic, Enhanced, Special
 - Information owner: Person, Organization or Department
- Connectivity from your company to the cloud
 - Network Architecture, egress or ingress data, geographical
 - Company standard perimeter services
- Regulatory

Digital Transformation

- Model company business processes with measureable KPI's
 - Know the KPI's of the world class leaders or your competitors
 - Identify the innovation task to beat the world class leaders
- Identify the technology(s), applications, services, gaps in the go forward vision
- Architect the information model to support current, migration and future apps/services
 - Data warehouse, Data lake, Object store, Streaming data, or partner software

Architecture

- Service based, Containers
- If some business functions or data cannot leave the company perimeter => Hybrid cloud
- MUST be loose coupled architecture
- Cost/Finance models
- Geo-location (Region) of the cloud data centers

Which Cloud?

- Which best fits your security, architecture, deployment and finance?
- Cloud vendors are commodity treat them that way

