Two Clouds Initially
Portfolio Advantages

- Discounts on AWS and Azure
- Flexible invoicing
- More favorable contract terms
  - FERPA Terms
  - HIPAA Terms
- Optional support
- Access to secure government cloud
Some Initial Data

• Currently three accounts online
  – Travel app
  – Video archive
  – Hadoop and R for mobility analytics

• Five more accounts are in process
Current Process

Service Desk Ticket → SME Evaluation

Issue a PO → Assign Account
Service Desk Ticket

• 13-16 question form
  – Use (what, how, why, how long)
  – Data (type, source, audience)
  – Billing (how much, what account)
  – Housekeeping (contacts, policy acknowledgement)

• Copy automatically provided to Information Security

• Routes internally to subject matter expert (SME)
SME Evaluation

• Cloud services team member receives request
• Request is reviewed
  – Check for completeness
  – Check pricing estimate is reasonable
• An account is reserved
PO Issued

- SME coordinates creation of requisition with department fiscal officer (FO)
- Requisition flows through standard KFS workflow
  - Approvals
  - Research spend routed to CGA
  - Purchasing issues PO
- Contract reviews, accessibility reviews, security reviews skipped.
Assign Account

- Account/subscription matched to PO
- IAM/resource credentials issued
- Welcome letter sent to customer
Opportunities

• Coordinating requisition can be further streamlined
  – Templates/reference requisitions may reduce question volume
Updated Process (8/1- AWS)

- Service Desk Ticket
- SME Evaluation
- Issue a PO
- Put P-Card on File
- Assign Account
Future Improvements

• More Clouds
  – Investigating Google cloud platform
  – May add Heroku/Bluemix based on demand

• Further Security Enhancements
  – SSO/Shibboleth integration
  – Two-factor
  – VPC tunneling to campus network

• Managed Offerings
  – Machine images

• Add additional SME Resources
Cloud Maturity Model

- **Standardize**
  - Lower Cost
  - Consistent Use of Technology

- **Combine**
  - Normalize Assets
  - Improve Efficiency
  - Improve Governance
  - Improve Management

- **Virtualize**
  - Lower Cost
  - Delayed Provisioning
  - Improved Resource Management

- **Automate**
  - Self Provisioning
  - Automated Governance

- **Orchestrate**
  - Self Adapting
  - Aligned to Business

- **Cloud Innovator**

- **Cloud User**

- **Preparing**

**Business Value**

**Time**
SPARTANS WILL.

WE WILL.