



# Why People Like Cloud?

- Globally accessible
- Scalable
  - Illusion of Infinite Resources
- Elastic
  - Scale Up and Down Whenever
- Low cost
  - Pay by the Hour
  - 1K servers x 1 hr == 1 server x 1K hours
- Can be secure

# That Makes it Great For:

- Large One-off or Periodic Jobs
  - Like Hadoop/MapReduce
- Startups/Prototyping
- Research at Scale
- Mobile Applications
  - mobile device as UI, compute/store “in the cloud”
- Disaster Recovery

# Our Goal

- Provide a structured and standardized solution to manage the educational, administrative and research compute demands campus wide
- Facilitate access to increased (and flexible) storage, server, and capacity for MSU stakeholders

# Gartner Magic Quadrant



# Approach

- Conducted an RFP in March 2016.
- Received responses from 12 suppliers.

| Criteria   | DLT (AWS) | Azure | IBM | Heroku | Relu s (AWS) | Rackspac e | Strategic (AWS) |
|------------|-----------|-------|-----|--------|--------------|------------|-----------------|
| Platform   | ✓         | ✓     | ✓   | ✓      | ✓            | ✓          | ✓               |
| Management | ✓         | ✓     | ✓   | ✓      | ✗            | ✓          | ✗               |
| Compliance | ✓         | ✓     | ✓   | ✗      | ✓            | ✗          | ✓               |
| SLA        | ✓         | ✓     | ✓   | ✓      | ✓            | —          | ✓               |
| Support    | ✓         | ✓     | ✓   | ✓      | —            | ✓          | ✗               |
| Pricing    | ✓         | ✓     | ✓   | ✓      | ✗            | ✗          | ✗               |

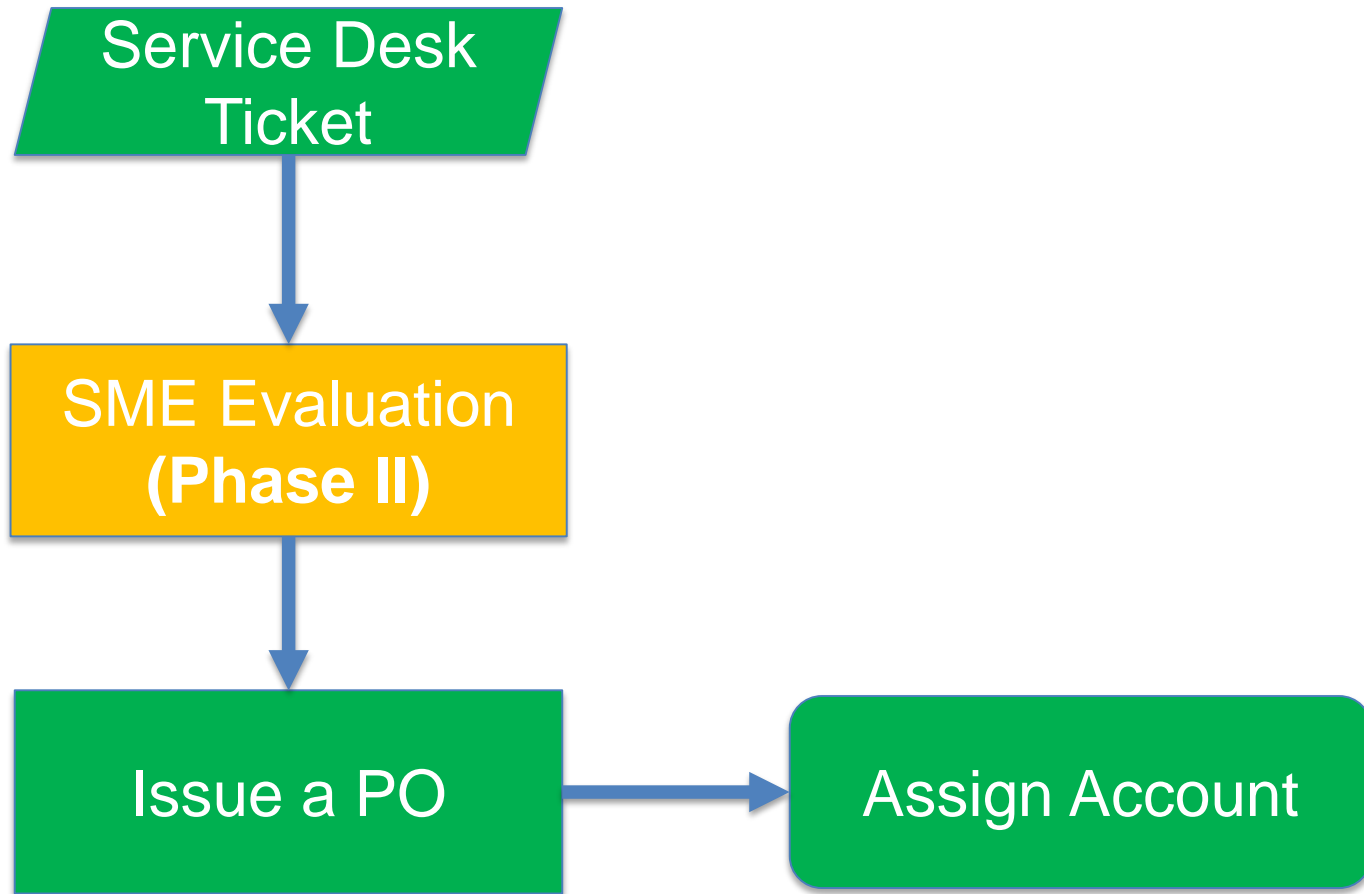
# What Clouds?



# Portfolio Advantages

- **Discounts** on AWS and Azure
- **Flexible** Invoicing
- More Favorable **Contract Terms**
  - FERPA Terms
  - HIPAA Terms
- Optional Support
- Access to Secure Government Cloud

# How to Get It?





# Timeline

| Phase   | Ideal Use                             | Target Release                  |
|---|---------------------------------------|---------------------------------|
| <b>Phase I:<br/>Unmanaged (User<br/>accepts all<br/>responsibility)</b> | Public Data<br>Development<br>Systems | Piloting now<br>Target mid-June |
| <b>Phase II: Managed<br/>and Unmanaged<br/>Environment</b>              | Phase I and<br>Confidential Data      | TBD                             |

# Questions



**SPARTANS WILL.**

**WE WILL.**

