Rice University

Learning to Juggle Containers
Starting with the basics

- Docker swarm environment
  - 3 master nodes
  - 5 worker nodes
- GUI for swarm management
  - [https://portainer.io](https://portainer.io)
- Reverse proxy for internal traffic routing
  - [https://traefik.io](https://traefik.io)
Getting production-ready

- Customize base TIER images
- Convert external monitoring to internal health checks
- Setting up logging to Splunk
Dropping the ball

- Netscaler hw load balancers and traefik
- Stopped containers keeping volumes alive
Current State & the Future

- Shibboleth IdP containers in production, alongside existing standalone VMs
- Grouper UI & WS containers ready to go
- Close to a functional Grouper Pspng configuration
- Setting up a test environment for Kubernetes & Rancher