**Demos, Demos, Demos**

* **What is Mesos?**
  + **An open source project under the Apache Software Foundation**
  + **Cluster Manager (how utilize my resources) and a Scheduler (how and where do I place my tasks. What if a node dies?)**
* **What makes Mesos special?**
  + **Mesos Framework – custom scheduler for Applications**
    - **App needs HA – place each instance on a different node. Or rack.**
    - **App requires complex computations – Need a GPU**
  + **Offer/Accept Model**
    - **Use picture to review how this works**
  + **Mesos implements this Offer/Accept via Frameworks**
    - **Scheduler**
    - **Executor (a Container or collection of Containers)**
    - **Marathon is a Framework!**
      * **Generic Apps**
* **ScaleIO Framework**
  + **Specifically deploys, configs, and monitors ScaleIO deployments**

**Demo**

* **Review AWS Config – No 1GB drives**
* **Marathon UI**
* **Deploy Framework w/ cURL + JSON**
* **Framework UI Status**
* **Tell story of Apps that fix themselves**
  + **Change the infrastructure they even sit on**
  + **New instance or new HD**
* **Signal to Postman to full up storage**
* **Wait and watch for adding HDs**
* **Look at Framework UI for more capacity!**