1. osg-engage.renci.org
   a. runs VOMS, VOMRS
   b. this is a virtual machine hosted in the RENCI VMWare pool (general shared VMWare pool suppotring hundreds of various vm's for RENCI operations and sponsored projects)

2. engage-vmh.renci.org is a physical machine dedicated to OSG work, and is using Xen to host the following virtual machines:

   a. engage-central.renci.org
      i. central osgmm, verification and maintenance jobs
      ii. graphing, reporting, monitoring
   b. engage-submit.renci.org
      i. main submit machine for engaged users, where they have RENCI accounts to ssh into this machine (RENCI IT LDAP accounts). there are ~50 active accounts
      ii. non-trivial data issues. there is 500GB for local home directories, though a number of users with larger data requirements spill over into a separate mounted data system for large runs. this is becoming more and more common.
      iii. ideally, Engage would have on the order of 10 to 20 TB of storage to handle local storage needs for all users of the submit host – anything larger requires out of band effort (eg SE)
   c. engage-submit-test.renci.org
      i. close copy of engage-submit for testing (eg ITB testing)
   d. ligo-osgmm.renci.org
      i. to support LIGO matchmaking, Pegasus
   e. a few additional misc virtual machines (eg CE-Test)

3. www.eie4ci.org
   a. sharepoint project management system
   b. e-mail logs, VOSS project usage, CI-TEAM reporting, etc