The Mass Open Cloud Initiative
and
The University of Massachusetts
Collaboration Opportunities

November 19, 2015
The University of Massachusetts

Mission

The University’s mission is to provide an affordable and accessible education of high quality and to conduct programs of research and public service that advance knowledge and improve the lives of the people of the Commonwealth, the nation and the world.
What is UITS?

- University Information Technology Services is the Shared Services department within the UMass System Office that supports a wide range of constituents including the five universities within UMass, the UMass President’s Office and private and public higher education institutions across the state.

Services provided to over 90K+ students, faculty and staff

- Application Management
- Hosted Services
- Cloud Integration Services
- Information Security Management and Operations
- Identity and Access Management
- Web and Collaborative Services
- Research Computing
- Network Services
- Communications and Training
MITI – Research & Education Network (REN)

- What is MITI?
  - The Massachusetts Information Turnpike Initiative provides access to education and research services throughout Massachusetts through a state of the art network infrastructure

- Services provided today to UMass campuses, state colleges and universities, community colleges, libraries, and state agencies
  - ISP, Network consulting, Dark Fiber, EVPL
  - Transport
  - Colocation
  - DNS
The Network Today

- 420 miles of leased fiber
- 11 optical sites
- Active wavelengths: 4-100G, 33-10G
- Optical – Ciena 6500 DWDM
- Carrier Ethernet – Ciena
- Routing – Juniper MX480
How can we work together?

- Colocation
- Infrastructure as a Service
- WAN Transport
- Platform as a Service
- Internet
- Storage and Archiving
- DNS
- Backup and Recovery
- Information Security
- Hardware as a Service
- 7x24 Monitoring
- Exchange Hardware etc.
- Operational Support