

OIT User Conference Unified Network Services

November 2014

Welcome and Introductions

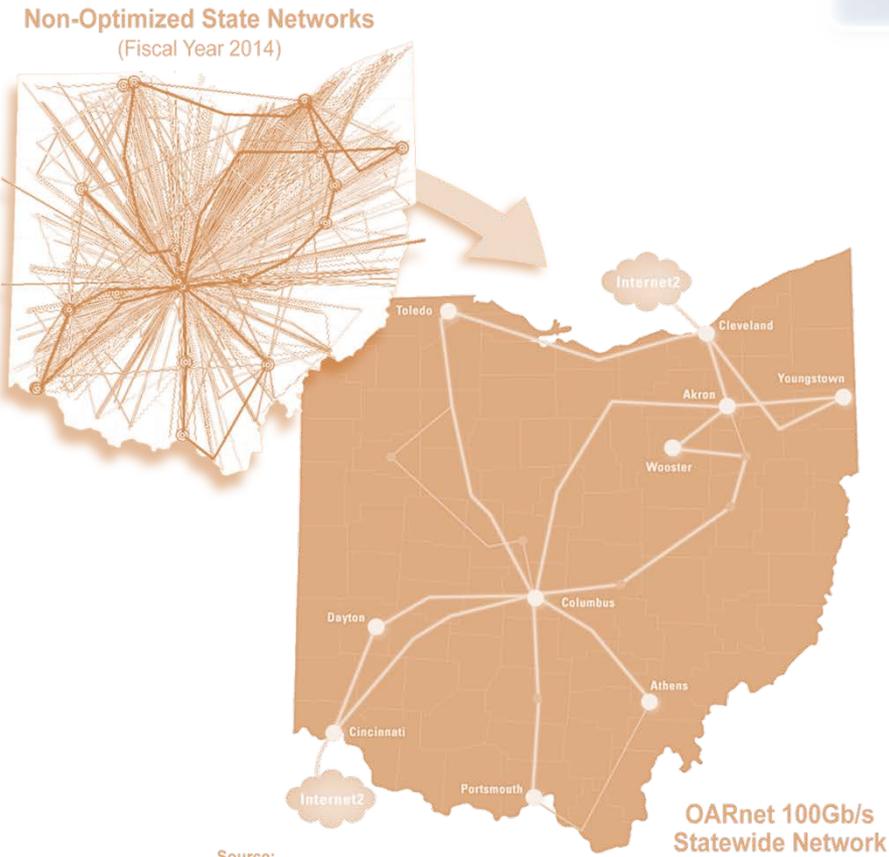
Agenda

- Introductions
- IT Optimization
- Current Environment
- Next 3 – 6 Months
- Future Network Vision

IT Optimization

IT Optimization

Increase Efficiency, Improve Service
Reduce Complexity, Realize Savings



Source: OARnet

Driving Savings through Optimized Network Services

25%
IT Optimization Savings Target:
Circuit Costs, Equipment, Repairs/Maintenance

9,600
Managed Network Devices

\$54M+
FY14 Network Spend

3,700
Core Network Circuits

2,550
Locations Served

Network Planning for Fiscal Year 2015

In Fiscal 2015 we will expand the network consolidation to the Ohio One Network, started in Fiscal Year 2014, that will result in both savings to State agencies, increases in service capability and quality, and a diminished risk profile from a security and access perspective.

FY15

- Savings/Consolidation Targets Identified
- Metro Columbus Network Consolidation
- Statewide Migration to Ohio One Network Commences

One Network Objectives

- Optimize Network Spending
 - Network Equipment
 - Network Bandwidth
 - Network Personnel



One Network

One Network WAN Core

- State Data Center
- OARnet
- Aggregate Connections
- Internet



One Network Aggregate Connections

- State Building Locations
- Optimizing Bandwidth



One Network

One Network Internet

- OARnet Provider
- Redundant Connectivity
 - 10 GBPS (Each)



One Network

One Network Edge

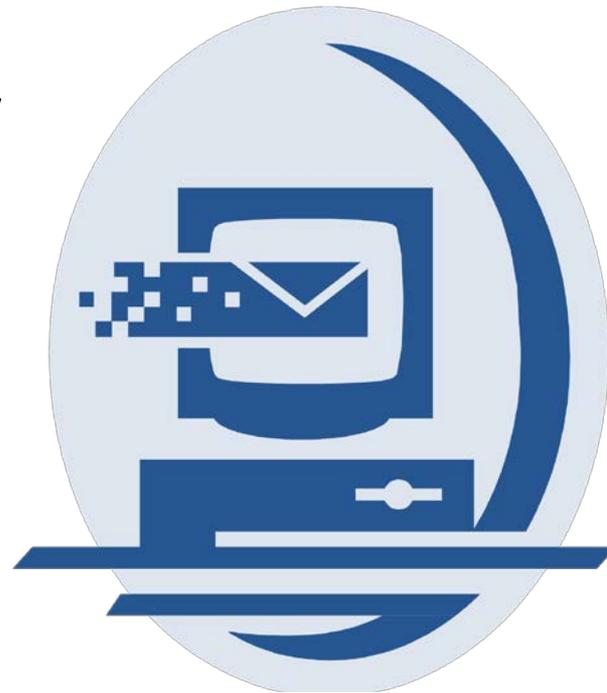
- Agency Network Connectivity
 - OARnet
 - Carrier Provided
 - Agency Location Equipment

- DAS/OIT Managed
 - Juniper EX3300
 - Router
 - Switch/POE/WAP

- Agency Managed
 - Wiring
 - Desktop
 - Laptop

One Network SOCC Network Diversity

- Carrier Diversity
- OARnet Diversity
- UNS Network Diversity



SOCC Network Diversity

- Network Rooms 1 & 2
- Risers
 - Connectivity
 - Power
- Floor
 - Connectivity
 - Power

One Network DDI

- Domain Name System (DNS)
- Dynamic Host Configuration Protocol (DHCP)
- Internet Protocol Address Management (IPAM)
- Design Driven Innovation(DDI)networking solution

One Network DDI Upgrade Objectives

- Connectivity and Capacity
- Security
- Backup and Recovery

One Network Benefits

- Less Complexity
 - Easier to Manage
 - More Reliable
- Redundancy
- Updated Network Equipment
- High Bandwidth Capability
 - Expandable to Increased Demand

Network Vision for the Future



Questions or Suggestions?

