



OARnet

An **OH·TECH** Consortium Member

OARsec

OARnet Security Working Group

21 October 2015

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Agenda

- Call to Order & Introductions
- Federated Identity Management
- DDoS
- Vendor Briefs
- Security Priorities for 2016
- Election of Member Chairperson



Federated Identity

- OARnet service package for enabling Federated IAM
- Available now:
 - IdP VM server InCommon (shibboleth)/Eduroam (RADIUS)
 - Eduroam hosted RADIUS proxy server
 - Installation/implementation/design services
 - InCommon/Ohio approved participant agreement
 - Eduroam registration & membership
- Coming soon:
 - InCommon registration & membership

DDoS (Distributed Denial of Service) Protection

- Possible network-based solutions:
 - Reactive measures (upon customer notification)
 - Application of rate limiting
 - “Black-hole routing” RTBH
 - BGP to redirect traffic to discard interface
 - *BGP Flowspec (RFC 5575)?*
 - Proactive measures (upon customer request)
 - *Application of pre-set rate limiting?*
 - Advanced measures (with partners)
 - Arbor Networks (K12 ITC’s)
 - Hybrid (local device + cloud scrubbing)
 - Triggered by BGP, implemented in GRE tunnel



Vendor Briefs

- Duo
- Splunk
- Palo Alto
- Arbor
- InCommon



Security Priorities for 2016

- DDoS
- Federated Identity
 - OhioLINK
 - OARnet
- Resources
 - REN-ISAC
 - Educause
 - SANS Securing the Human
- Security Incident Response



Security Priorities for 2016

- Resources
 - REN-ISAC
 - Educause
 - SANS Securing the Human
 - Purchase window December 1, 2015 through January 31, 2016
 - <https://www.sans.org/partnership/education/>
 - <https://www.sans.org/partnership/cis/>



Security Priorities for 2016

Federated Incident Response

- OARnet
- State of Ohio
- SIRTFI
 - <http://goo.gl/2xnf2G>
- CIC
 - https://www.cic.net/docs/default-source/technology/federated_security_incident_response.pdf



Security Priorities for 2016

- Group Discussion





Election of Member Chairperson





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Thank you!