OARtech Meeting
Wednesday, August 10, 2011

Updates

The Ohio Middle Mile Consortium has been active working with CommNet and Horizon. Oarnet has some funding coming which will enable the completion of the 10gig capable rings. Oarnet provides 18Gigabit of Internet Service throughout the state. They are exchanging wave services for dark fiber. Frontier agreement renewals are coming up in a few years.

Meshnet upgrade: ring 0 and 4 complete, ring 1 is nearing completion, ring 2 will be completed within 12 months, and rings 3 and 5 will be completed within 18 months. This allows the network to be considered as one ring when providing services.

Virtual Computer Lab project (VCL): This project is looking for participants. IBM has provided SPSS for the VCL and they are hosting Matlab and Microsoft Office. Is this a way to provide more seats, better access? Participate and find out.

Internet 2: Some schools have dropped out of I2 due to costs.
Participants are asking I2 to reconsider their rate structure. Oarnet is using a rainy day fund to hold the line. We may see rates increase.

Oarnet is talking with a cloud service (BlueMile) to provide 10gig service. Bowling Green is also working with BlueMile as a colocation site.

Quotes for services were high and bills were lower. Hooray!

Several schools are upgrading services. More schools have moved to 10gig.

ServiceNow has replaced Remedy for ticket handling. It should be available this month to allow schools to open tickets directly.

VMWare day will be held September 28 with several tracks available.
They are hoping for 200 participants.

I2 info: Moving ....Day from February to May to accommodate more international participants. Marshall has become a segp school in West Virginia.

VMWorld is at the end of August. All their new products will be added to the Oarnet contract.

Federated Identity program, Mark Beadles: everyone expects to need to implement it due to federal government programs. Oarnet is trying to provide a simpler on-ramp in the form of tools and services to get into federated identity. Pilots will begin over the next few months:
roaming wireless, OhioLink, and the virtual computing lab. Mark will be looking for participants.

Gartner group has excellent resources, half-day free seminar in Columbus on the 23rd, Cincinnati on the 25th.

The technology committee is exploring security-based shared services being investigated to complement network services.

Everyone is busy doing projects. There is interest in watching the Sungard/Datatel merger. Is there interest in a wiki showing each of our equipment so that we know who to talk to with similar stuff? Yes. Network Engineer sharing? Have your network engineer shadow one at another school?

Guest Presentation: EDUROAM
Presented via video conference by Phillippe Hanset from the University of Tennessee. The slides from the program are available on the OARtech web site: www.oar.net/about/oartech/.

Europe has been using eduroam since 2005. Some schools are only offering wireless via eduroam. Thus the visitors' home school must provide eduroam. See the website for slides on how it works (www.eduroamus.org = eduroam.us, www.eduroam.org). Passwords do not go over the wire. Networks provide encryption information and either accept or reject.

Eduroam is EAP method insensitive. Using RADIUS, 802.1x, SSL/TTLS and WPA2. Logging is provided per region to enable local help. It uses WI-FI because phone data charges are too high. 1800 institutions are on eduroam now. Radius uses UDP with a limit of 2048 bytes, set fragment to 1400 on home radius server. It's growing in the United States; it's very widespread in Europe. It is not HelpDesk intensive but there is the expectation that you help visitors at your institution. There is interest in expanding the concept to non-community members.

Mark Beadles will work toward setting up a RADIUS hierarchy. Any school could peer directly with the eduroam.org site. Sporting events bring lots of visitors to our schools. This could be a way of meeting that demand for wireless.

The website has configurations for several RADIUS servers including Cisco and Freeradius. Currently there is no charge and they expect it to remain free for I2 schools with a small charge for non-I2 in the future. Many schools are provisioning guests to provide access to some campus resources. Some have public guest SSIDs which are considered off-campus. Some allow anyone to sponsor a guest account; sponsor accepts responsibility. OSU locks down guest usage to particular spaces.

Is anyone looking at pico cells to boost cellular coverage? Is it the campus' responsibility to improve cellular coverage? Maybe. You might be able to look at providing tower space to providers.

RIAA complaints are down. One school is seeing lower accuracy.

As wireless improves wired requirements drop. Wooster is 802.1x only so no gaming consoles; gaming consoles stay on the wire.

Shared penetration testing? Shared baseline security policy? Traffic analysis on the rings? REN-ISAC is a good resource. Conversations with them are not public record whereas everything with Oarnet is public record.

The next meeting will be at Stark State College 10/12/11.
Thanks to Charlie Reitsma for the minutes.
_____

Oartech mailing list
Oartech@lists.oar.net
http://lists.oar.net/mailman/listinfo/oartech