

OARtech Minutes  
June 11, 2008

Introductions

Governance changes  
Pankaj Shah

Chancellor Fingerhut put up a directive that went into place 5/29/2008. It is the tactical 10 year plan for the State of Ohio. The ten year plan addresses technology and emphasizes sharing of resources. OhioLink and OLN have been merged and their boards have become advisory boards. OSCnet has a new board with appointed members. Osteer as a part of this directive has been dissolved. Slides from the Osteer presentation are on the web site. Pankaj passed out a copy of a letter from the chancellor to Osteer that names the structure of the new governing board. There are 2 more named members not listed in the letter.

OARtech is still in existence but no longer has Osteer to report to. We should summarize our tasks and projects and pass that summary to Pankaj.

The change was not made because of something wrong with OSCnet. The reason the change was made was because they were doing a good job and have expanded their tasks to other state agencies. There has to be inclusiveness in the network with a body at a high level that can make the necessary decisions. The change was a strategic decision. Education currently has 50% representation on the new board.

Will there be any changes in the OARtech? After the announcement of the change, Pankaj was describing the other committees and was told that the sharing of information should continue. We could continue meeting as we are.

What about the sharing of resources? He is not sure. The tactical picture has to be converted to reality. OSCnet is considered a "Center of Excellence" and sites should use that expertise. He doesn't see a problem with sharing of resources, but it would have to be considered as each item comes up.

What about taking advantage of the licensing and discounts? Any kind of joint project or collaboration will be welcome.

Don't hesitate if you have questions, to ask OSC staff.

OSCnet Networking Update  
Christine Dorsey

The gear for closing ring 4 has been put into place and is expected to be finish by the end of this week. The Broadband Ohio project is continuing and includes several Cisco 7600 and Juniper routers.

Current gateways are running at 61%. NewNet peering frequently reaches 2.2Gbps and will need to be increased. They are leveraging new portals with the state. Current Phase 0 is completed and they will begin phase 1 this summer.

MERIT connection is up and peering is scheduled. Pittsburgh connection gear is here and the PoP move is almost complete. The fiber move issues have been found not to be resolved. There is nothing new with I2 and NLR.

OSCnet stats collection and processing is coming along. Intra-Ohio stats will now be available. If you have questions or suggestions email [support@oar.net](mailto:support@oar.net). The infrastructure has being put into place for other reporting customer/destination/protocols/departments. The

site is <https://nfstats.oar.net> using the normal username/password. She showed some examples of the stats graphs that were available.

Engineering has hired 3 new people.

Packetshaping could be a problem as sites increase bandwidth to hardware limit. Intra-Ohio bandwidth measurements are important as you look at these issues. Sites will begin to ask OSCnet what they can do to help.

OSCnet Client Service Update

Ann Zimmerman

Slides are available on the OARtech web site.

10 schools have increased bandwidth since the beginning of the year. They have done 35 school visits and increased bandwidth to 263 Mb of I1. Ruckus at OSU uses OSC's server.

New co-location facility has 8 current customers with 4 new academic members. See slides for details.

New FTE price quotes sent on June 6th. Worksheets have been sent out.

4 schools have completed Ethernet connections and 1 gig connection completed. Rio Grande is replacing GIGaman with GIG Opteman. Marietta is also looking at GIG Opteman services for their campus.

OSC is increasing collaboration efforts by combining efforts with OLN, OhioLink, and eTECH. There is video collaboration with OIT, eTech, and OSC. They are looking at a PoP at OCLC. This will make OCLC Intra-Ohio traffic. Ashland U is looking to connect a remote location through MERIT.

Ann showed the new I2 pricing model. No membership fee, Just member rates. See slides for details.

Client Services participated in OHECC and I2 day at OU, and sponsored an IT Works preconference in support of women in IT.

New FTE Pricing model has unlimited Intra-Ohio bandwidth. They have several research, video conference, and vendor initiatives. They are also working on remote campus connectivity.

Ann again summarized the regions for each of the customer representatives.

Partner Program Update

Denis Walsh

Slides are available on the OARtech web site.

The partner program mission: To identify organizations and service providers with goal of developing backbone services to improve life for all Ohioans. (See slides for details) Their mission has been expanded out. They are to help with broadband deployment, improve economic environment, increase education opportunities, improve healthcare, and support innovation in the state. One of the partners is Connect Ohio to identify the needs within a community to encourage expansion of broadband services. They will be developing a map that shows where broadband is available in the state. They have worked with 2 hospitals in Columbus and Adena in neonatal consultations in the southern part of the state. The support working with research projects like Honda and OSU on transportation research.

All state agencies will be added to the network: OIT, DoE, DoDev, eTech, and Management council of Ohio Ed computer network (DA sites). There are 30 of these entities in the state. One Community from the northern part of the state is building a digital community and there are major partners in the healthcare industry. They have grants for healthcare used in Southern Ohio and in Northeast Ohio to tie them

into the state and national networks. They are working with local governments and the service providers to find cost effective ways to connect to the network.

Projects include FCC Rural Healthcare Pilot Project with a goal to link community and economic development within healthcare. They are also working to expand the Children's Hospital Neo-Natal program. The healthcare organizations have been directed to begin using I2 and are expanding the projects nationally. K-12 are also being directed to be added to I2. All of these expansions should drive the cost of the network down.

OSC is working with Ohio Broadband Council to support the outreach and developments for local government focusing on delivery of internet and intranet services. Now looking at the next generation of the old SOMACs contract with OIT to focus on Ethernet services and are designed to facilitate affordable broadband services for all users.

With the I2, and no Osteer in existence, what is happening here? The logic is the OSC members pay the FTE rate. Non-OSC members are charged 10% markup based on the current tier structure. This spreads the cost over multiple entities.

#### Open Discussion

Is anything happening with VoIP? Denis indicated that would be included in network plans. The software licensing will be on the end user.

If there are ideas for topics, please let Ann or the new chair (Cal Frye) know. The following ideas came from the discussion about possible future topics.

What about bringing in multiple companies on Campus Emergency notification?

- Spam management? Ironport?
- Security base practices for an academic community?
- Round robin or panel discussions?
- If any campus has a project that is working well, then sites can do a presentation.

An example is that for some sites Cisco NAC is causing some problems.

A discussion on how sites are dealing with these issues might be appropriate. Another vendor might be Impulse point. The point is software is more corporate based and we don't have control of all machines on our nets. We also have to deal with odd devices. Best practices that can be used in an academic environment.

- We also have changes to charges and mission due to the changes with Osteer and the new board.
- Maybe we can talk about virtualizations and what people are doing with them.
- Uses of the co-location sites
- How are campuses dealing with Identity theft and how to control who has what and where?
- Identity management?

Note: U of Florida has announced that student names and other information has been available from their website.

- Authentication project from OSU?
- General 2 factor authentication technology and federated authentication technology (e.g. shibboleth)?
- Have OhioLink come in and talk about their status and the federation memberships needed or is available?

Lunch will be meet and eat. We will pass the leadership at the beginning of the August meeting.

Meeting was adjourned.

