

Lane County Technical Advisory Committee
Thursday, Feb 19, 2015 1:00 to 3:00 pm
Room 5, Lane ESD, 1200 Hwy 99N, Eugene

Lane County Technology Advisory Committee MINUTES

Present: Christina Okesson (LESD), Jason Dodge (LESD), Arne Berglund (LESD), Nathan Bowers (Lowell), Daniele McCallum (LESD), Sam Robinson (Ambient for Blachly SD & Marcola SD), Richard Reaksecker (Crow), Nathan Martin (Bethel), David Langan (4J), Steve Shining (4J), Ben Gernhart (Creswell), David Bolton (Bethel), Jesse Baber (South Lane), Michael Bateman (Fern Ridge), Jerry Pergamit (Pleasant Hill), David Nelson (4J)

Topic of the Month: ISP Services

1. Overview/Intro – LESD

Customized reports went out – we will be looking for feedback into how useful that is in the near future. Presentation by Jason Dodge. Lane ESD ISP RFP for 2015-17 with option to renew for an additional 2 yrs. Awarded to NERO. New ISP partnership with 4J means that all districts except Springfield participate in Lane ESD's ISP services. We wrote the RFP to accommodate both Eugene and Springfield if needed. LCC pays for bandwidth off of the LESD contract. Review of transport providers for district circuits. 2 cabinets at Oregon Hall and 2 at WIX. Jason can give a tour of either place if you want. Review of 2014-15 changes to district circuits. Review of constraints for Mapleton, McKenzie, Blachly, Crow, Marcola. Plans for upgrading to 10gbps circuit at the core, and switch/router upgrades. Handout – layout of Lane ESD WAN. Review of circuit connection and rate-limits. Outage procedures – report an outage by calling 541-461-8340, which forwards the message by email to NOC. Work with utility providers the majority of the time. Review of district contact info by the group. Currently evaluating circuit monitoring tools.

Bandwidth rates are for the commodity? Yes. We are oversubscribed by 100mbps. Not many districts are hitting their limit regularly. If you are experiencing issues that you think are rate limits, please let us know and we will investigate. NERO has many more signed agreements, so more traffic is peered. Jason confirmed Netflix and YouTube are both peered. If we selected another vendor, all of the traffic would be commodity and not peered.

2. Best Practices – Roundtable

South Lane is investigating whether they can get to 10gb. Looking at multimode. Upgrading wireless links to 700mbps.

Fern Ridge – ability to have capacity for redundancy in case of emergency is valuable. Springfield has asked LESD about this also. 4J has been looking at this also. Redundant equipment connections also.

3. Challenges - Roundtable

4. Changes you would like to see – Roundtable

Roundtable chat: Ideas for March Server Infrastructure panel

Next month presentation on server infrastructure with a panel discussion, feedback on what direction LCTAC would like to take. Respond with emails if you think of anything you would like to see covered, or if you have experiences to share.

1. Virtualization

VMWare vs HyperV. We are all involved in different aspects and projects, and have much to gain from each other. Most districts present are virtualized in one form or another. Physical infrastructure, best practices, etc. What are all the pieces involved in moving your data center? Disaster recovery. Upgrades, hardware refresh, managing a bond, daily management. Failures, and what you learned?

2. Active Directory

Management? Strategies used with students, software pushes, etc.

Upgrade schema planning?

3. Backup strategies?

Added items:

- David Langan – Apple @ 4J today with instructional technology. Bethel folks were there. iPads with student applications (example of Bingo app). Kids were very engaged. Stop motion animation videos. Bethel runs a JSS server to manage iPads. Need dedicated staff when you hit a critical mass (they are now at 800 iPads). Marist going one-to-one with iPads next year, provided them to all teachers this year. Portland rolled out one-to-one Chromebook. Creswell started using JSS software, difficulty with one-to-many. Jesse asked about Android tablets – Crow using them in SPED classroom. Managing individual accounts right now with generic email address. Fern Ridge did a pilot project with LearnPad (Android) with management software built-in, and a teacher portal. Didn't take off, but seemed complete for educational purposes. Stumbles with instructional language, vendor, support (models were for UK use). Used for very specific things, but not much else. iPads seem much more flexible. Bethel also did

the LearnPad demo. Came down to not wanting the administration on the teacher's plate. Michael mentioned teachers didn't make it over the hump of setup; really takes district support for teacher's to dedicate the time up front. Fern Ridge getting ready for Google Apps push.

- Jerry asked about OETC conference – Sam is on the waitlist. David Langan going to NCCE. ARIN conference in April, San Francisco. Cameron Yee from LESD is going to NCCE.

Next planned LCTAC meeting, March 19, 2015