



**Lane County Technology Advisory Committee
Tuesday, September 19, 2017, 9:30am-12:30pm
Lane ESD Room 1**

MINUTES

Present: Daniele McCallum (LESD), Travis Burnside (LESD), Jason Dodge (LESD), Christina Okesson (LESD), Roger Morris (Eugene SD 4J), David Langan (Eugene SD 4J), David Bolton (Bethel SD 52), Nathan Crompton (Ambient for Marcola SD 79J & Blachly SD 90), Dave Howard (VMware), Jeremy DeBrine (VMware), Ron Wingert (VMware), Aaron Ramirez (VMware), Steve Shininger (Eugene SD 4J), Michael Bateman (Fern Ridge SD 28J), David Nelson (Eugene SD 4J), Jesse Baber (South Lane SD 45J3)

Presentation – Guest speaker Ron Wingert, VMware

- NSX
- VSAN
- Workspace1

Modern approach: managing the identity of the person, mobile centric, aligned with business delivery. Any application, any device, any time. Centralized management, decentralized function.

Workspace One portal: All-encompassing end user solution for VMware. Web applications, Office applications, Citrix, ThinApp, etc. Can customize branding. Conditional access available on apps (displays a lockbox on the icon). Username and AD credentials to log in. Bookmarks are for favorites, Catalog contains everything available. Office 365 works well, you can keep your on-premise AD instead of going with Azure. Workspace One application for mobile phones. Will sync with Touch ID. David Langan asked about single sign-on with Google credentials? Yes, any application that can be authenticated into. Use VDI for Windows applications. Three components of the solution presented. Identity and AirWatch are the core components of Workspace One. VDI piece is the enterprise version of Workspace One, can be purchased separately if needed. David Langan asked about other licenses for products? Not for identity and AirWatch components. VDI includes the VMware licenses. You would need the licensing for any products you are using (Adobe, Microsoft, etc). 40% discount on VMware licenses for educational entities. VMware offers an ELA (end-user licensing agreement). May be an opportunity to do a county-wide ELA for purchasing if through the ESD. Have to qualify for an ELA, the gate is around 110k over 3 years. In the process of finalizing an ELA with Vancouver SD through OETC. Daniele McCallum asked about license tracking/management? Example of Adobe licensing. Licensing still needs to be available for the users accessing them. If not, they won't be able to access the app from the catalog (conditional access).

Any VDI initiatives in Lane County districts? Eugene has in the past. David Bolton indicated that it seems to be cost-prohibitive (licensing). A lot has changed in the last couple of years, so might be good to look into again. Cost savings are seen on efficiency and people-time. VMware has a lab site to try products (HOL, Hands-On Labs). Also FeatureWalk. AirWatch has device management component, includes auditing and tracking. Will walk through the admin console at the end of the meeting.



LANE EDUCATION SERVICE DISTRICT

1200 Highway 99 North
Eugene, OR 97402

541.461.8200
541.461.8298 [Fax]

www.lesd.k12.or.us

EQUITY COMMITMENT LEADERSHIP COLLABORATION INTEGRITY

VSAN: Chemeketa, Oregon State University, UofO. Right way to start thinking about storage, a little different than traditional methods. Hyper-Converged Infrastructure. RDMA (Remote Direct Memory Access), controller-based virtual machine. VSAN Data Store: direct-attached storage, no RAID controllers. Overview of architecture of VSAN. Software licensing can be a challenge and David Bolton voiced some past frustration about licensing issues. Features of the admin side of VSAN data store: Encryption, de-dupe, compression, backup (VDAP snapshot-based). If you are interested in VSAN, VMware can run an assessment. Infrastructure Planner tool to pull data sets and create a report. Dell DPACK is another option.

NSX: Qualified for e-rate funding. Software-defined networking. Layer 2-4 inspection can be provided within Hypervisor in the virtual environment. High throughput rates per hosts, east-west routing and firewalling, native platform integration. Review of NSX customer use cases. City of Springfield planning for deployment of NSX. Portland Public Schools and Portland Community College currently.

Demo of VMware Hands-On Labs and Vsphere presentation can be rescheduled by conference call, if desired.

The following agenda items are moved to next month's meeting, due to a lack of time:

Recurring Items

- Service Incidents — *A review of LESD service interruptions since last meeting*
- E-Rate — *Quick recap of any news this month*
 - 2017-18 year: PIA review for applications. Funding commitments have been coming out over the summer.
 - 2018-19 year: New ISP consortium forms for district superintendents to sign next month. Districts can start applications now in EPC portal, there is a new Form 470 version.
- Professional Development
 - VMUG Usercon Portland November 7 (VMWare User Group)
 - Stormwinds available to all districts

Next Month Items

- Review of LESD email service and Link Protect (Travis Burnside)
- Responses to poll to LCTAC about remote access via VPN (Daniele McCallum)

Round Table

- Video-camera, surveillance installs
- Helpdesk email addresses for districts

Next planned LCTAC meeting, October 19, 2017, 1pm-3:30pm, at Lane ESD