

ESUCC

Technology Committee Meeting

Wednesday, September 7, 2016, 10:00 AM

Technology Committee Meeting ESU No. 10 76 Plaza Blvd. Kearney, NE NO DL Available,  
6949 South 110th Street, LaVista, NE 68128

Attendance Taken at 10:00 AM.

Bell ESU 10:	Present
Fisher ESU 04:	Absent
Jeff West (NE):	Absent
Dr Kraig Lofquist:	Present
Shoemake ESU 06:	Absent
Uhing ESU 01:	Present
Ted DeTurk (ESU 02):	Present

1. Call to Order

2. Roll call

3. Agenda Item

3.1. Tech Plan

3.1.1. ADVISER Update

3.1.2. K-12 Federation Update

3.1.3. Single Sign On Update

3.1.4. Tech Plan Progress Update

3.1.5. Approval Back-up Solutions Recommendation

3.2. Staff Reports

3.2.1. Scott Isaacson

3.2.2. Beth Kabes

3.2.3. Rhonda Eis

4. Next Meeting Agenda Items

5. Executive Session

6. Adjournment

{{Name: Agenda Item Name}}

{{Discussion: Agenda Item Discussion}}

{{Comments: Agenda Item Comments}}

{{Actions: Agenda Item Actions}}

# ESUCC: *Progress Update*

## *K12 Federation – Who is the K12 Federation?*

***K12 Organizations who serve K12 districts (Operators).***

***Collaborating to provide answers to K12 technology problems.***

***Working together, utilizing our strength in numbers.***

- An operator may be an individual school district, regional providers, state agencies or collection of districts that provide technology services to K12 districts.
- An operator may be a trailblazer in one or more technology services they provide, including infrastructure, SaaS, professional development, reporting, purchasing, and the like.
- The founding operators of the K12 Federation includes an individual school district, one statewide agency, one regional state agency, and a school district cooperative. Each are autonomous and contributing to a common cause that benefits their respective missions.



Founding  
Operators

# ESUCC: *Progress Update*

## *K12 Federation – Mission and Vision*

### **Mission**

The mission of the K12 Federation is to bring together a community of interest and expertise to share ideas, resources and innovate for K12 by K12

### **Vision**

The vision of the K12 Federation is to establish a community of operators whose shared knowledge, expertise and resources mitigate the cost, complexity and risk of implementing and supporting educational services such as, but not limited to, identity, rostering and access management systems in the emerging digital ecosystem.

# ESUCC: *Progress Update*

## *K12 Federation – How it will work*

- Operators come together around shared needs and vision
- Through MOUs and contracts, these operators share software assets, services, expertise, funds, projects, grant partnerships and other items of value
- Working together, groups of operators contribute development work, enhancements and new items of value to the community, multiplying the impact of the individual investments and enhancing software and other assets for everyone
- The K12 Federation story of collaboration and success will be communicated nationwide by team members through existing conferences and meetings.
- New members will enhance the community of collaboration
- The K12 Federation will be funded by membership fees, usage contributions based on value of shared assets, and at first, philanthropic contributions
- Self-sustainability is projected by 2019

# ESUCC: *Progress Update*

## *K12 Federation – Shared Assets Examples*

- Single Sign-On and Portal
  - IlliniCloud: Contributor
    - \$190,000 Value
  - Nebraska: Contributor and User
    - \$86,000 Value (NDE/ESUCC)
- SRS
  - Nebraska: Contributor
    - Approximate Value: \$2,000,000
  - IlliniCloud: User and Contributor (Research/Development)
  - Rogue Wave Software: Contributor (Zend Framework Holder)
- Coop Marketplace
  - Nebraska: Contributor
    - 20 plus years of Development
    - Approximate 5 year Value: \$600,000 (Software Contract)
- Ed-Fi Data Model
  - Nebraska and New York: Contributor
  - Nebraska Approximate Value: \$2,100,000
  - New York Approximate Value: ???

Vendor	Met Requirements	Maintenance Term	Storage Protected	Year 1 Cost	Year 2 Cost	Year 3 Cost	Year 4 Cost	Year 5 Cost	5-year Total Cost	Per-Year cost
OneNeck/EMC	Yes	5 years	10 TB	\$160,388	\$0	\$0	\$0	\$0	\$160,388	\$32,078
IlliniCloud/CommVault	Yes	1 year	10 TB	\$76,500	\$31,500	\$31,500	\$31,500	\$31,500	\$202,500	\$40,500
GovConnection/ArcServe	Yes	5 years	10 TB	\$125,803	\$0	\$0	\$0	\$0	\$125,803	\$25,161
Eagle/CommVault	Yes	5 years	10 TB	\$70,975	\$0	\$0	\$0	\$0	\$70,975	\$14,195

Scott Isaacson  
ESUCC of NE  
6949 South 110<sup>th</sup> St.  
La Vista, NE 68128

9/1/2016

Dear Scott,

DDI is pleased to offer this leasing proposal for the equipment and services you wish to acquire. We have been a leader in equipment financing for over 20 years and pride ourselves on our ability to provide aggressive rates, exceptional service and value added consultation and advice. Thank you for the opportunity!

**Lease Breakdown:**

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Lessor:	DDI Capital, Inc.
Lessee:	ESUCC of NE
Equipment Provider:	Eagle Technologies
Equipment:	PowerEdge   Commvault
Purchase Price:	\$70,974.85 (Excludes Tax & Shipping)
Lease Term:	3 annual payments @ \$25,985.00/yr.
Lease Type:	Capital
Commencement Date:	Upon Acceptance

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**General Terms and Conditions**

- 1) No payments due in advance.
- 2) No fees at signing.
- 3) Pricing contained within this proposal is valid for 30 days.
- 4) Proposed numbers are subject to credit approval and review of final equipment, software and services configuration.
- 5) For transactions over \$250,000, the above payments are based on like-term SWAP interest rates as published in the Federal Reserve daily update, and will adjust accordingly at time of lease execution to protect both parties.
- 6) This proposal is for discussion purposes only.

Kind Regards,

Mike Dolan  
Managing Director  
732-449-6474



RFP-Backup-2016-07-08



Jennifer Harmon  
Account Manger Eagle Technologies  
Office: 800-477-5432  
Mobile: 785-829-0360  
Email: [jenniferh@eagleinc.com](mailto:jenniferh@eagleinc.com)

Steve Weimer  
Enterprise Territory Manager, SLED/HC  
Office: 888-746-3849  
Mobile: 712-899-5811  
Email: [sweimer@commvault.com](mailto:sweimer@commvault.com)

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### Attachment A

#### Quotes

- 1yr. option (Commvault 1yr, servers 3 yrs.)
- 3yr. option (Commvault 3yrs, servers 3yrs)
- 5 yr. option (Commvault 5yrs, servers 5yrs)

### Attachment D Attachment E

#### Pricing Worksheet Eagle Information

## Transmittal Letter

Eagle Technologies is honored to offer the enclosed proposal for Nebraska ESU Coordinating Council. We have taken great care to understand your bid specifications in order to propose a solution that will meet those requirements and provide unsurpassed value. The proposal is signed by Dave Hiechel, President and CEO of Eagle Technologies who is the authorized signatory. This proposal will remain in effect until a contract has been finalized and a purchase order has been issued by ESUCC.

Our goal is to protect your entire environment with a single platform, making management seamless. This involves protecting local servers as well as remote sites, all while keeping in mind storage and network utilization. Commvault offers multiple flavors of data reduction, such as compression, source-side deduplication (key for remote sites), global deduplication (key for storage reduction), and DASH Auxiliary Copy (key for getting retention offsite). All of these data reduction features will be used in some capacity throughout your environment.

As for the hardware, the plan for the primary data center is to utilize the R730xd server as both the backup server as well as the target storage for retention. We will schedule Auxiliary Copies that will send the data offsite to another R730xd server at the secondary data center, in a WAN Optimized format (still compressed and de-duplicated) utilizing Commvault's DASH functionality.

We thank you for the opportunity to offer Nebraska ESU Coordinating Council with "best in class" solutions that align with your requirements. Our goal is to provide you with the best products and services available and then stand behind it with our ongoing support.

Sincerely,



**Dave Hiechel**

President and CEO | Eagle Technologies  
124 Indiana Avenue, Salina KS 67401  
Office: 800.477.5432 | Mobile: 785.493.1836  
[daveh@eagleinc.com](mailto:daveh@eagleinc.com) | <http://www.eagleinc.com>

**Required Features – Describe your ability to provide the following:**

- 24 x 7 vendor-provided support and procedures to obtain support – Requirement Met
- ESUCC staff must be trained on the operation of the backup system, including how to perform configuration, monitoring, backup and restore tasks – Knowledge Transfer included in scope of work / quote
- Full licensing for all proposed features – Requirement Met

**Preferred Features – Describe your ability to provide the following:**

- In addition to backup software agent services, ability to present local object storage to clients via the SWIFT/S3 API Multi-tenancy - A list of currently support platforms can be found here: [http://documentation.commvault.com/commvault/v11/article?p=features/cloud\\_storage/cloud\\_storage\\_support.htm](http://documentation.commvault.com/commvault/v11/article?p=features/cloud_storage/cloud_storage_support.htm)
- The ability to separately configure the backup system for multiple organizations while segregating the administrative control and access to backup data - Commvault allows you to run your environment like a service provider would. This allows you to service multiple segregated organizations, keeping their data separate and allowing them to control their own backups and restores. Additional information can be found here: <http://webdocs.commvault.com/assets/multi-tenancy-for-service-providers.pdf>
- Encryption of backup and catalog data at rest - You have the option of encrypting the data in flight (before it leaves the client) and/or at rest. This can apply to all clients or can be configured differently on selected clients.

**Technical Requirements - Describe your ability to provide the following:**

- Disk-based storage technology using source-side deduplication to minimize network traffic - Source-side deduplication is available, which will reduce the amount of data that is transferred across the network.
- Support for Hyper-V image/snapshot backup and granular restore capabilities - Hyper-V virtual machines can be protected as a whole VM/image. This allows us to quickly restore the whole VM or restore just a single file if needed.
- Support for Microsoft SQL server, Postgres and MySQL database snapshot backups and granular restore capabilities - We can protect

SQL, Postgres, and MySQL granularly as a normal streaming backup or via a SAN Snapshot with the Intellisnap feature.

- Support for Windows file system backups and file-level restoration - We can protect Windows, giving you the ability to restore the whole server or individual files.
- Backup catalog and snapshot maintenance to allow for retention times of up to 24-months, with variable retention plans for different sets of data.- Our solution is very flexible, allowing you to have the exact retention that you need for a specific server/job.
- Replication of de-duplicated backup storage to the secondary site- Our solution includes the ability to store your backup data at a secondary site. The data is sent offsite in a WAN optimized format (both deduped and compressed) to minimize load on the network.
- Encryption of data in-transit over the network - As mentioned above, you have the option to have the data encrypted. The Crypto Library module supports data encryption methods approved by the Federal Information Processing Standard (FIPS) as well as additional data encryption methods not approved by FIPS. You can read more about the encrypting algorithms here:  
[http://documentation.commvault.com/commvault/v11/article?p=features/data\\_encryption/r\\_data\\_encryption\\_algorithms.htm](http://documentation.commvault.com/commvault/v11/article?p=features/data_encryption/r_data_encryption_algorithms.htm)
- System(s) must be powered by standard 120/240V AC power and be corded to connect with a C13 or C19 receptacle – Requirement Met
- Vendor-provided hardware must be mountable in a standard 19-inch-wide equipment rack – Requirement Met
- Describe the hardware provided, including physical space (rack units), power requirements and expected consumption, network interfaces, cabling and any other physical requirements - Our solution will need 2U at each location. This consists of a physical server to with local storage for the retention. The server will come with two C13/14 power cables, and two quad-port 1Gb NICs. You will also need a Cat6 cable for the iDRAC management
- Describe all external server environment requirements for the system, such as virtual machines, operating system, Page 3 of 5 databases, web servers, and network - In addition to the physical backup servers that are included in our quote, we would like to install the Commserv

(brains of environment) as a virtual machine for increased flexibility and Disaster Recovery purposes. The resources needed are 4 vCPUS, 16GB of RAM, 150GB and a copy of Windows.

- Describe how, in the event of support termination, Nebraska data can be extracted and transferred to an alternate backup system or storage - The Commvault solution is hardware/platform agnostic, so you are not locked in to any platform. This allows you to migrate your data to another storage platform (either on-prem or in the cloud) as you see fit.

**Pricing – Please provide the following cost elements in the attached pricing worksheet:**

- Options for software and hardware maintenance coverage options for terms of 1-5 years – Quotes are broken out into 1, 3, and 5 year terms. Servers only come with 3 or 5 yrs. of support.
- Licensing costs for any add-on features or third-party software that would be required to meet the requirements outlined in this RFP – shown on price worksheet
- Costs (including billable expenses) for providing training recommended in the proposal- Requirement met shown on quote(s) included in Knowledge Transfer
- Available increments and cost for expansion of backup storage from the initial proposed solution -For 30 days of retention, we don't foresee you needing to expand your target storage anytime soon, but in the event that you need to, Commvault can utilize just about any storage platform and protocol for target storage (Commvault is hardware agnostic). This provides flexibility in expanding your target storage, as you can look to repurpose an existing storage array or purchase a new array that meets your budget needs.
- Available increments and cost for expansion of number of virtual and/or physical machines served by the backup solution– shown on price worksheet

**PROPOSAL SUBMISSION.** Proposals will be collected and accepted using the ESUCC IonWave procurement system. Interested vendors must register with the system at <https://esucc.ionwave.net> to receive and respond to the request for proposal. Proposals will be received by the IonWave system until 5:00 p.m. Central Daylight Time on July 29, 2016. Proposals shall include the following:

- A. Information as required by paragraph 2 above; - **Requirement Met**
- B. Cost of the backup system and any related charges (via attached pricing worksheet - **Requirement Met**)

### Vendors Experience

C. An indication of the Vendor's experience in similar or equivalent projects <https://www.youtube.com/watch?v=dTZAnA2fjCg>

- Eagle was established in 1981 on the campus of Kansas Wesleyan University in Salina Kansas with a beginning in development performance enhancement tools for the MV series of mainframe computers by Data General. With the technology shift to "open systems" in the 1990's Eagle discovered an industry need for data protection and storage strategies. Eagle leveraged their programming expertise and partnered with leading vendors to provide storage and backup solutions.
- Eagle headquarters are in Salina Kansas. Eagle has 24 employees with a 13 to 7 Engineer to Sales ratio.
- Eagle provides Level 1 Support for every Tier 1 product they sell 24/365.
- Eagle is the only VAR in North America to offer Level 1 support for Commvault Software.
- Eagle is one of 10 Commvault platinum partners worldwide.

### Completed Projects

D. A list of at least three (3) completed projects of similar size and magnitude – For additional specific information on each account please advise what details are needed.

- UNL Housing
- University of Nebraska Lincoln - ITS Dept.

- Central College
- City/ County of Salina Kansas

## References

E. References (including contact person, address, and telephone number)

**Agency: State of Nebraska**

**Contact Name:** Aaron Weaver, CIO

**Email:** [aaron.weaver@nebraska.gov](mailto:aaron.weaver@nebraska.gov)

**Phone:** (402) 471-8225

**Agency: Lincoln Public Schools**

**Contact Name:** Don Freeman, Infrastructure Manager

**Email:** [dfreeman@lps.org](mailto:dfreeman@lps.org)

**Phone:** (402) 458-3126

**Agency: Millard Public Schools**

**Contact Name:** John Dickey, District Network Specialist

**Email:** [ddickey@mpsomaha.org](mailto:ddickey@mpsomaha.org)

**Phone:** (402) 715-6279



**RFP-Backup-2016-07-08**

Prepared For:		Quote Information:	
<b>Name:</b>	Scott Isaacson	<b>Quote #:</b>	109502
<b>Company:</b>	ESUCC of NE	<b>Created:</b>	07/26/2016
<b>Address:</b>	6949 South 110th St. La Vista, NE 68128	<b>Expires:</b>	08/23/2016
<b>Phone:</b>	4025974866	<b>Rep:</b>	Eagle Sales
<b>Email:</b>	sisaacson@esucc.org	<b>Email:</b>	orders@eagleinc.com
		<b>Phone:</b>	800-477-5432

Backup Option 1 (Includes 1 YR Support for CV & 3 YR Support for Servers)	Price	Qty	Ext. Price
<b>PowerEdge R730xd Server</b> PE R730/xd Motherboard MLK ProSupport: 7x24 HW / SW Tech Support and Assistance, 3 Yr(s) ProSupport: NBD Onsite Service After Problem Diagnosis, 3 Yr(s) R730/xd PCIe Riser 2, Center & R730xd PCIe Riser 1 Filler Blank, Right Broadcom 5719 QP 1Gb Network Interface Card Broadcom 5720 QP 1Gb Network Daughter Card iDRAC8 Enterprise, integrated Dell Remote Access Controller, Ent Chassis w/up to 12, 3.5" Hard Drives & 2, 2.5" Flex Bay Hard Drives & Bezel PERC H730P Integrated RAID Controller, 2GB Cache Intel Xeon E5-2620 v4 2.1GHz,20M Cache,8.0GT/s QPI,Turbo,HT,8C/16T (85W) Max Mem 2133MHz 8GB RDIMM, 2400MT/s, Single Rank, x8 Data Width, Qty 4 2400MT/s RDIMMs 960GB Solid State Drive SATA Read Intensive TLC 6Gbps 2.5in Flex Bay Drive, PM863, Qty 2 2TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug Hard Drive,13G, Qty 12 Electronic System Documentation and OpenManage DVD Kit, PE R730/xd ReadyRails Sliding Rails With Cable Management Arm Dual, Hot-plug, Redundant Power Supply (1+1), 750W NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), PC, Qty 2 C13 to C14, PDU Style, 12 AMP, 6.5 Feet (2m) PC, Qty 2 Windows Server 2012R2 Standard Edition,Factory Installed, No Media, 2 Socket, 2 VMs,NO CALs Windows Server 2012R2 Standard, Media, FI Standard Ed Downgrade image DIMM Blanks for System with 1 Processor Standard Heatsink for PowerEdge R730/R730xd PCIe Slot Filler, R730/R730xd	\$10,520.59	2	\$21,041.18
<b>CVLT Operational Intelligence Foundation Package:</b> Commvault Operational Intelligence Foundation Package. The Package includes 10 Operating Instances of Active Disaster Recovery Suite, two gigabytes of Log Management, Data Analytics, Report Build Functionality, and software store access for shared templates. Perpetual license. 1 Package Per Customer.	\$0.00	1	\$0.00



**RFP-Backup-2016-07-08**

Backup Option 1 (Includes 1 YR Support for CV & 3 YR Support for Servers)	Price	Qty	Ext. Price
<b>CV VM Backup &amp; Recovery Advanced - Per VM (10PK)</b> Advanced VM solution set: INCLUDES FOUNDATION FUNCTIONALITY and adds Intellisnap, Cloud Connector, and Self-Service options to VM Foundation protection SB-cSIM-V-F-10 solution. Purchased on VM basis to match unique, active VM count, sold in 10-VM pack. (Quantity entered is per VM-10PK, No tiering.)	\$1,766.40	8	\$14,131.20
<b>Data Protection Advanced (DPA)</b> Data Protection Advanced (DPA) capacity bundle used in a dedicated CommCell for TB-based CLA customers; it cannot be combined with other CLA backup editions in the same cell. This provides 1TB (FET) of the DPA Protection-Enterprise capacity for a CommCell offering unlimited MediaAgent, File System, NAS client, Virtual Machine (VSA) and ApplicationClass1 clients matched with Enterprise class infrastructure features (Deduplication, Intellisnap and Encryption); purchase additional TB quantity to meet your Cell needs. Additional client types or other features can be purchased separately and applied to the DPA CLA cell, but all backup jobs will be scored as DPA TB usage. This edition can be upgraded to the full edition DP Enterprise capacity by purchasing the upgrade option. The cell can be combined with additional purchases of Data Archive or Search capacity. (Sold per Terabyte of Front-End Protection Size, Tiered Volume price)	\$5,437.50	1	\$5,437.50
<b>CommVault Level 1 Support and Maintenance; 12 months</b>	\$4,500.80	1	\$4,500.80

**Backup Option 1 (Includes 1 YR Support for CV & 3 YR Support for Servers) Subtotal \$45,110.68**

Eagle Services	Price	Qty	Ext. Price
<b>Eagle Professional Services - CV Install, OnSite</b> Eagle Engineer to Provide On Site Installation & Knowledge-Transfer for the CommVault backup solution quoted herein; T&E Included.	\$6,750.00	1	\$6,750.00
<b>1 Yr, Eagle Watch 7x24 Phone/Email Support</b> 7x24 Level-1 Support for all Qualifying Products; NO CHARGE to Customer for life of product so long as a mfg support agreement is kept current through Eagle.	\$0.00	1	\$0.00



RFP-Backup-2016-07-08

Eagle Services	Price	Qty	Ext. Price
<b>1 Yr, EagleWatch Remote Monitoring Service</b>	\$0.00	1	\$0.00
Remote Monitoring Service for Qualifying Products; Eagle Help Desk will receive and review nightly reports and critical alerts/notifications in effort to assist customer with proactively maintaining the health of the environment; This service is provide on a Best Effort basis and is intended to provide "another set of eyes" viewing reports and critical alerts. \$950/Yr			
<b>Eagle Services Subtotal</b>			<b>\$6,750.00</b>

Recap	Amount
Backup Option 1 (Includes 1 YR Support for CV & 3 YR Support for Servers)	\$45,110.68
Eagle Services	\$6,750.00
<b>Total</b>	<b>\$51,860.68</b>

Terms and Conditions: Pricing is valid for 30 days from the date of the quotation. Taxes will be added in accordance with state law. Shipping and Handling charges (FOB shipping point), freight charges, shipping insurance and administration fees may apply. All goods are Net 30 from ship date. Services are Net 30 from completion date. Pricing and availability are subject to change without notice. Purchaser acknowledges that, despite the best efforts and reasonable precautions of Eagle Technologies, products or services may be listed at an incorrect price or with incorrect information due to a typographical error or oversight. In such circumstances, Eagle Technologies reserves the right, prior to delivery, to cancel the transaction even though Purchaser acceptance may have been confirmed. All products are non-returnable unless otherwise provided by the Manufacturer's Return Policy. Purchaser also agrees that this transaction will be governed by the Manufacturer's Terms and Conditions of Sale if any.

To accept this quote, please sign and return to:

Email: [orders@eagleinc.com](mailto:orders@eagleinc.com)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



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Prepared For:		Quote Information:	
<b>Name:</b>	Scott Isaacson	<b>Quote #:</b>	109502
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<b>Address:</b>	6949 South 110th St. La Vista, NE 68128	<b>Expires:</b>	08/23/2016
<b>Phone:</b>	4025974866	<b>Rep:</b>	Eagle Sales
<b>Email:</b>	sisaacson@esucc.org	<b>Email:</b>	orders@eagleinc.com
		<b>Phone:</b>	800-477-5432

Backup Option 2 (Includes 3 YR Support for CV & 3 YR Support for Servers)	Price	Qty	Ext. Price
<b>PowerEdge R730xd Server</b> PE R730/xd Motherboard MLK ProSupport: 7x24 HW / SW Tech Support and Assistance, 3 Yr(s) ProSupport: NBD Onsite Service After Problem Diagnosis, 3 Yr(s) R730/xd PCIe Riser 2, Center & R730xd PCIe Riser 1 Filler Blank, Right Broadcom 5719 QP 1Gb Network Interface Card Broadcom 5720 QP 1Gb Network Daughter Card iDRAC8 Enterprise, integrated Dell Remote Access Controller, Ent Chassis w/up to 12, 3.5" Hard Drives & 2, 2.5" Flex Bay Hard Drives & Bezel PERC H730P Integrated RAID Controller, 2GB Cache Intel Xeon E5-2620 v4 2.1GHz,20M Cache,8.0GT/s QPI,Turbo,HT,8C/16T (85W) Max Mem 2133MHz 8GB RDIMM, 2400MT/s, Single Rank, x8 Data Width, Qty 4 2400MT/s RDIMMs 960GB Solid State Drive SATA Read Intensive TLC 6Gbps 2.5in Flex Bay Drive, PM863, Qty 2 2TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug Hard Drive,13G, Qty 12 Electronic System Documentation and OpenManage DVD Kit, PE R730/xd ReadyRails Sliding Rails With Cable Management Arm Dual, Hot-plug, Redundant Power Supply (1+1), 750W NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), PC, Qty 2 C13 to C14, PDU Style, 12 AMP, 6.5 Feet (2m) PC, Qty 2 Windows Server 2012R2 Standard Edition,Factory Installed, No Media, 2 Socket, 2 VMs,NO CALs Windows Server 2012R2 Standard, Media, FI Standard Ed Downgrade image DIMM Blanks for System with 1 Processor Standard Heatsink for PowerEdge R730/R730xd PCIe Slot Filler, R730/R730xd	\$10,520.59	2	\$21,041.18
<b>CVLT Operational Intelligence Foundation Package:</b> Commvault Operational Intelligence Foundation Package. The Package includes 10 Operating Instances of Active Disaster Recovery Suite, two gigabytes of Log Management, Data Analytics, Report Build Functionality, and software store access for shared templates. Perpetual license. 1 Package Per Customer.	\$0.00	1	\$0.00



RFP-Backup-2016-07-08

Backup Option 2 (Includes 3 YR Support for CV & 3 YR Support for Servers)	Price	Qty	Ext. Price
<b>CV VM Backup &amp; Recovery Advanced - Per VM (10PK)</b> Advanced VM solution set: INCLUDES FOUNDATION FUNCTIONALITY and adds Intellisnap, Cloud Connector, and Self-Service options to VM Foundation protection SB-cSIM-V-F-10 solution. Purchased on VM basis to match unique, active VM count, sold in 10-VM pack. (Quantity entered is per VM-10PK, No tiering.)	\$1,766.40	8	\$14,131.20
<b>Data Protection Advanced (DPA)</b> Data Protection Advanced (DPA) capacity bundle used in a dedicated CommCell for TB-based CLA customers; it cannot be combined with other CLA backup editions in the same cell. This provides 1TB (FET) of the DPA Protection-Enterprise capacity for a CommCell offering unlimited MediaAgent, File System, NAS client, Virtual Machine (VSA) and ApplicationClass1 clients matched with Enterprise class infrastructure features (Deduplication, Intellisnap and Encryption); purchase additional TB quantity to meet your Cell needs. Additional client types or other features can be purchased separately and applied to the DPA CLA cell, but all backup jobs will be scored as DPA TB usage. This edition can be upgraded to the full edition DP Enterprise capacity by purchasing the upgrade option. The cell can be combined with additional purchases of Data Archive or Search capacity. (Sold per Terabyte of Front-End Protection Size, Tiered Volume price)	\$5,437.50	1	\$5,437.50
<b>CommVault Level 1 Support and Maintenance; 36 months</b>	\$13,502.40	1	\$13,502.40

**Backup Option 2 (Includes 3 YR Support for CV & 3 YR Support for Servers) Subtotal**

**\$54,112.28**

Eagle Services	Price	Qty	Ext. Price
<b>Eagle Professional Services - CV Install, OnSite</b> Eagle Engineer to Provide On Site Installation & Knowledge-Transfer for the CommVault backup solution quoted herein; T&E Included.	\$6,750.00	1	\$6,750.00
<b>1 Yr, Eagle Watch 7x24 Phone/Email Support</b> 7x24 Level-1 Support for all Qualifying Products; NO CHARGE to Customer for life of product so long as a mfg support agreement is kept current through Eagle.	\$0.00	1	\$0.00



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Eagle Services	Price	Qty	Ext. Price
<b>1 Yr, EagleWatch Remote Monitoring Service</b>	\$0.00	1	\$0.00
Remote Monitoring Service for Qualifying Products; Eagle Help Desk will receive and review nightly reports and critical alerts/notifications in effort to assist customer with proactively maintaining the health of the environment; This service is provide on a Best Effort basis and is intended to provide "another set of eyes" viewing reports and critical alerts. \$950/Yr			
<b>Eagle Services Subtotal</b>			<b>\$6,750.00</b>

Recap	Amount
Backup Option 2 (Includes 3 YR Support for CV & 3 YR Support for Servers)	\$54,112.28
Eagle Services	\$6,750.00
<b>Total</b>	<b>\$60,862.28</b>

Terms and Conditions: Pricing is valid for 30 days from the date of the quotation. Taxes will be added in accordance with state law. Shipping and Handling charges (FOB shipping point), freight charges, shipping insurance and administration fees may apply. All goods are Net 30 from ship date. Services are Net 30 from completion date. Pricing and availability are subject to change without notice. Purchaser acknowledges that, despite the best efforts and reasonable precautions of Eagle Technologies, products or services may be listed at an incorrect price or with incorrect information due to a typographical error or oversight. In such circumstances, Eagle Technologies reserves the right, prior to delivery, to cancel the transaction even though Purchaser acceptance may have been confirmed. All products are non-returnable unless otherwise provided by the Manufacturer's Return Policy. Purchaser also agrees that this transaction will be governed by the Manufacturer's Terms and Conditions of Sale if any.

To accept this quote, please sign and return to:

Email: [orders@eagleinc.com](mailto:orders@eagleinc.com)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



RFP-Backup-2016-07-08

Prepared For:		Quote Information:	
<b>Name:</b>	Scott Isaacson	<b>Quote #:</b>	109502
<b>Company:</b>	ESUCC of NE	<b>Created:</b>	07/26/2016
<b>Address:</b>	6949 South 110th St. La Vista, NE 68128	<b>Expires:</b>	08/23/2016
<b>Phone:</b>	4025974866	<b>Rep:</b>	Eagle Sales
<b>Email:</b>	sisaacson@esucc.org	<b>Email:</b>	orders@eagleinc.com
		<b>Phone:</b>	800-477-5432

Backup Option 3 (Includes 5 YR Support for CV & 5 YR Support for Servers)	Price	Qty	Ext. Price
<b>PowerEdge R730xd Server</b> PE R730/xd Motherboard MLK ProSupport: 7x24 HW / SW Tech Support and Assistance, 5 Yrs ProSupport: Next Business Day Onsite Service After Problem Diagnosis, 5 Yrs R730/xd PCIe Riser 2, Center & R730xd PCIe Riser 1 Filler Blank, Right Broadcom 5719 QP 1Gb Network Interface Card Broadcom 5720 QP 1Gb Network Daughter Card iDRAC8 Enterprise, integrated Dell Remote Access Controller, Ent Chassis w/up to 12, 3.5" Hard Drives & 2, 2.5" Flex Bay Hard Drives & Bezel PERC H730P Integrated RAID Controller, 2GB Cache Intel Xeon E5-2620 v4 2.1GHz,20M Cache,8.0GT/s QPI,Turbo,HT,8C/16T (85W) Max Mem 2133MHz 8GB RDIMM, 2400MT/s, Single Rank, x8 Data Width, Qty 4 2400MT/s RDIMMs 2TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug Hard Drive,13G, Qty 12 960GB Solid State Drive SATA Read Intensive TLC 6Gbps 2.5in Flex Bay Drive, PM863e, Qty 2 Electronic System Documentation and OpenManage DVD Kit, PE R730/xd ReadyRails Sliding Rails With Cable Management Arm Dual, Hot-plug, Redundant Power Supply (1+1), 750W NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), PC, Qty 2 C13 to C14, PDU Style, 12 AMP, 6.5 Feet (2m) PC, Qty 2 Windows Server 2012R2 Standard Edition,Factory Installed, No Media, 2 Socket, 2 VMs,NO CALs Windows Server 2012R2 Standard, Media, FI Standard Ed Downgrade image DIMM Blanks for System with 1 Processor Standard Heatsink for PowerEdge R730/R730xd PCIe Slot Filler, R730/R730xd	\$11,076.05	2	\$22,152.10
<b>CVLT Operational Intelligence Foundation Package:</b> Commvault Operational Intelligence Foundation Package. The Package includes 10 Operating Instances of Active Disaster Recovery Suite, two gigabytes of Log Management, Data Analytics, Report Build Functionality, and software store access for shared templates. Perpetual license. 1 Package Per Customer.	\$0.00	1	\$0.00



**RFP-Backup-2016-07-08**

Backup Option 3 (Includes 5 YR Support for CV & 5 YR Support for Servers)	Price	Qty	Ext. Price
<b>CV VM Backup &amp; Recovery Advanced - Per VM (10PK)</b> Advanced VM solution set: INCLUDES FOUNDATION FUNCTIONALITY and adds Intellisnap, Cloud Connector, and Self-Service options to VM Foundation protection SB-cSIM-V-F-10 solution. Purchased on VM basis to match unique, active VM count, sold in 10-VM pack. (Quantity entered is per VM-10PK, No tiering.)	\$1,766.40	8	\$14,131.20
<b>Data Protection Advanced (DPA)</b> Data Protection Advanced (DPA) capacity bundle used in a dedicated CommCell for TB-based CLA customers; it cannot be combined with other CLA backup editions in the same cell. This provides 1TB (FET) of the DPA Protection-Enterprise capacity for a CommCell offering unlimited MediaAgent, File System, NAS client, Virtual Machine (VSA) and ApplicationClass1 clients matched with Enterprise class infrastructure features (Deduplication, Intellisnap and Encryption); purchase additional TB quantity to meet your Cell needs. Additional client types or other features can be purchased separately and applied to the DPA CLA cell, but all backup jobs will be scored as DPA TB usage. This edition can be upgraded to the full edition DP Enterprise capacity by purchasing the upgrade option. The cell can be combined with additional purchases of Data Archive or Search capacity. (Sold per Terabyte of Front-End Protection Size, Tiered Volume price)	\$5,437.50	1	\$5,437.50
<b>CommVault Level 1 Support and Maintenance; 60 months</b>	\$22,504.05	1	\$22,504.05

**Backup Option 3 (Includes 5 YR Support for CV & 5 YR Support for Servers) Subtotal \$64,224.85**

Eagle Services	Price	Qty	Ext. Price
<b>Eagle Professional Services - CV Install, OnSite</b> Eagle Engineer to Provide On Site Installation & Knowledge-Transfer for the CommVault backup solution quoted herein; T&E Included.	\$6,750.00	1	\$6,750.00
<b>1 Yr, Eagle Watch 7x24 Phone/Email Support</b> 7x24 Level-1 Support for all Qualifying Products; NO CHARGE to Customer for life of product so long as a mfg support agreement is kept current through Eagle.	\$0.00	1	\$0.00



RFP-Backup-2016-07-08

Eagle Services	Price	Qty	Ext. Price
<b>1 Yr, EagleWatch Remote Monitoring Service</b>	\$0.00	1	\$0.00
Remote Monitoring Service for Qualifying Products; Eagle Help Desk will receive and review nightly reports and critical alerts/notifications in effort to assist customer with proactively maintaining the health of the environment; This service is provide on a Best Effort basis and is intended to provide "another set of eyes" viewing reports and critical alerts. \$950/Yr			
<b>Eagle Services Subtotal</b>			<b>\$6,750.00</b>

Recap	Amount
Backup Option 3 (Includes 5 YR Support for CV & 5 YR Support for Servers)	\$64,224.85
Eagle Services	\$6,750.00
<b>Total</b>	<b>\$70,974.85</b>

Terms and Conditions: Pricing is valid for 30 days from the date of the quotation. Taxes will be added in accordance with state law. Shipping and Handling charges (FOB shipping point), freight charges, shipping insurance and administration fees may apply. All goods are Net 30 from ship date. Services are Net 30 from completion date. Pricing and availability are subject to change without notice. Purchaser acknowledges that, despite the best efforts and reasonable precautions of Eagle Technologies, products or services may be listed at an incorrect price or with incorrect information due to a typographical error or oversight. In such circumstances, Eagle Technologies reserves the right, prior to delivery, to cancel the transaction even though Purchaser acceptance may have been confirmed. All products are non-returnable unless otherwise provided by the Manufacturer's Return Policy. Purchaser also agrees that this transaction will be governed by the Manufacturer's Terms and Conditions of Sale if any.

To accept this quote, please sign and return to:

Email: [orders@eagleinc.com](mailto:orders@eagleinc.com)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**PRICING WORKSHEET  
FOR ESUCC  
BACKUP SYSTEM RFP**

1. Options for software and hardware maintenance coverage options for terms of 1-5 years:

<b>Maintenance Option</b>	<b>1 year</b>	<b>2 years</b>	<b>3 years</b>	<b>4 years</b>	<b>5 years</b>
Commvault Software	\$4,500.80	\$9,001.60	\$13,502.40	\$18,003.20	\$22,504.00
Servers/Hardware	NA	NA	\$1,679.00	\$2,000.00	\$2,569.00

\*\*\* Per year cost based on software licenses quoted \$4,500.80

2. Licensing costs for any add-on features or third-party software that would be required to meet the requirements outlined in this RFP:

<b>Add-on/Feature</b>	<b>Option</b>	<b>Pricing</b>
NA	NA	NA
NA	NA	NA

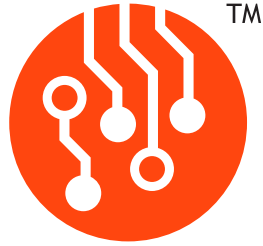
\*\*\* No add on features or third party software is required.

3. Costs (including billable expenses) for providing training recommended in the proposal: **Knowledge Transfer and Training is included in Install.**
4. Available increments and cost for expansion of backup storage from initial proposed solution:

<b>Additional Storage</b>	<b>Additional Cost for Hardware</b>	<b>Additional Cost for Software</b>	<b>Additional Cost for Maintenance</b>
Additional storage can be added	Varies depending on capacity needs	NA	Varies depending on capacity needs
Additional storage can be added	Varies depending on capacity needs	NA	Varies depending on capacity needs
Additional storage can be added	Varies depending on capacity needs	NA	Varies depending on capacity needs

5. Available increments and cost for expansion of number of virtual and/or physical machines served by the backup solution:

<b>Additional Virtual Machines</b>	<b>Additional Physical CPU Sockets or Physical Servers</b>	<b>Additional Cost for Software</b>	<b>Additional Cost for Maintenance</b>
Per 10 pack	NA	\$1,766.40	\$408.00
Physical servers	NA	\$5,437.50/ TB	\$1,250.63



# eagle

People making technology easy.

## solutions



Best of breed  
datacenter solutions.  
Tried, tested  
and approved.

## services



Expert guidance  
to align your  
business goals  
and IT resources.

## support



A single  
point of contact  
when you  
need support.

Eagle Technologies is a recognized leader in the design, deployment and support of storage environments. With the right people and the right solutions, Eagle takes a visionary approach to helping customers maximize their business goals. We understand that your data is at the heart of your organization's success. We pair innovative technologies with our outstanding services and support to provide solutions that exceed your expectations.



## solutions

We are unique because we only offer the best technology available in today's market. Our engineering team is diligent about researching new products. Before we recommend a solution, we have tested it, and are certified and trained to integrate the solution for optimum results.

Whether your data resides on premise, in our cloud, or a combination of the two, we have the know-how to help you align IT to your business needs. Our solutions include:

- Storage
- Backup
- Disaster Recovery
- Cloud Services
- Managed Services
- Virtualization



## services

Today, customers manage complex datacenters, strapped by budgets and challenged by changing demands. Our philosophy: simplify the process and make all the pieces fit.

We provide expert guidance including analysis, discovery, planning and implementation to provide customers with solutions and tools for an optimized datacenter. Our services include:

- Assessment Services
- Planning and Design
- Solution Integration
- Support Services



## support

Our customers value the outstanding support they experience with our technical team. We thoroughly monitor customer systems—analyzing daily reports and critical alerts to troubleshoot problems and address support issues. Our techs are certified and trained to be up to date on every technology we offer. We provide value because we are a single point of contact for every product within your solution. Keeping our customers up and running is our top priority.

Through **Eagle Watch**, we offer extended support service options including remote and onsite administration of an environment.

Contact us today for more information on our products, services and support offerings.





## Data protection... now in the cloud.

As organizations shift towards IT-as-a-service models, there is a critical need to protect data residing across physical, virtual, and now cloud environments. Eagle offers cross-platform, highly available solutions that protect your data in a variety of ways, based on your business needs. Eagle has more than 30 years of experience in protecting customer data, and our services leverage our expertise and engineering resources to provide superior cloud solutions and support.

At Eagle we believe in using the right tools for the job. We work closely with our customers to understand specific organizational needs. The result is a solid data protection and disaster recovery plan. Because we take an agnostic approach to determine how to best protect your data, Eagle is uniquely positioned to build a tailored strategy, with the proper solutions to fit those needs. This personalized service is what sets us apart from other cloud solution providers. In short, we will help you determine if the cloud is right for you!

Eagle Cloud offers the following core solutions:

**Backups as a Service** Eagle offers fully managed backup solutions that leverage CommVault Simpana, the industry's leading enterprise backup product. We then utilize Eagle's expertise to provide a worry-free, fully managed and monitored appliance-based solution. This solution can also replicate data into Eagle's cloud for remote data protection and DR.

**DASH as a Service** For existing CommVault Simpana users, Eagle offers the ability to send backup copies to Eagle's cloud (known as "DASH" within Simpana). As a customer, you will be able to continue leveraging your investment in the industry's leading enterprise backup product, while gaining the capability to eliminate tape and/or keep a copy of your data offsite in our secure and resilient remote data center.

**Replication as a Service** For customers hosting data on their own storage array, Eagle offers the ability to replicate data into Eagle Cloud, using the block-based replication features built into your storage array. This is a very affordable and worry-free method for ensuring your data is copied offsite.

**Compliance as a Service** For customers challenged with regulatory requirements (HIPAA, CFTC 1.31, e-CFR and more), data integrity, or long-term archiving and retention policies, Eagle Cloud provides a host of services to fulfill your needs. These services provide turnkey solutions for fixed content data like document archiving, email archiving, medical/PACS archiving and the general archiving of all unstructured data.

For more information, contact us today at 800.477.5432.



eagle

People making technology easy.



## Eagle Customers by Vertical

<u>Technology</u>	<u>Healthcare</u>	<u>Energy</u>	<u>Banking Finance &amp; Insurance</u>	<u>Agriculture</u>	<u>Engineering</u>	<u>Education</u>	<u>Retail</u>
							
							
							
							

**REQUEST FOR PROPOSALS (RFP)**  
**ESUCC**  
**BACKUP SYSTEM**

**1. OVERVIEW.** The Educational Service Unit Coordinating Council (ESUCC) is a Nebraska political subdivision tasked with coordinating statewide efforts to provide the most cost-effective services for the students, teachers, and school districts in each educational service unit (ESU). The ESUCC is composed of one administrator from each of the 17 ESUs that provide a statewide network of educational opportunities to approximately 245 school districts and more than 300,000 students. The ESUCC's duties include, but are not limited to: (a) Preparation of strategic plans to assure the cost-efficient and equitable delivery of services across the state; (b) Administration of statewide initiatives and provision of statewide services; and (c) Coordination of distance education. More information about the ESUCC can be found at <http://www.esucc.org>.

**2. SPECIFICATIONS.** The ESUCC is requesting proposals from qualified vendors (Vendor) to provide a two-site, on-premise backup system. This system will be used by the ESUCC and potentially in the future by other educational entities. The primary site is the ESUCC equipment area at the Nebraska Hall Data Center on the University of Nebraska Lincoln campus. The secondary site will be selected by ESUCC and is preferred to be co-located with an existing Nebraska Educational Service Unit or school district having sufficient network connectivity to support data replication. If available, solutions which enhance or extend a Vendor's existing solution already in place at a Nebraska ESU or school district while meeting ESUCC requirements for a second site will be preferred.

ESUCC uses Microsoft Hyper-V virtualization on 8 physical servers to host currently 78 virtual machines in a combination of Windows server and Linux server operating systems, with VM images using 5TB of storage. Microsoft SQL, MySQL and Postgres databases are part of the environment, accounting for 1 TB of disk storage. Finally, shared Windows file system data utilizes 4 TB of storage, for a total of 10TB of utilized online storage. The proposed solution must accommodate this environment with granular data restoration capabilities. We currently anticipate a 10% rate of annual growth in utilized storage.

**A. Required Features – Describe your ability to provide the following:**

- i. 24 x 7 vendor-provided support and procedures to obtain support

- ii. ESUCC staff must be trained on the operation of the backup system, including how to perform configuration, monitoring, backup and restore tasks
- iii. Full licensing for all proposed features

**B. Preferred Features – Describe your ability to provide the following:**

- i. In addition to backup software agent services, ability to present local object storage to clients via the SWIFT/S3 API
- ii. Multi-tenancy – the ability to separately configure the backup system for multiple organizations while segregating the administrative control and access to backup data
- iii. Encryption of backup and catalog data at rest

**C. Technical Requirements - Describe your ability to provide the following:**

- i. Disk-based storage technology using source-side de-duplication to minimize network traffic
- ii. Support for Hyper-V image/snapshot backup and granular restore capabilities
- iii. Support for Microsoft SQL server, Postgres and MySQL database snapshot backups and granular restore capabilities
- iv. Support for Windows file system backups and file-level restoration
- v. Backup catalog and snapshot maintenance to allow for retention times of up to 24-months, with variable retention plans for different sets of data.
- vi. Replication of de-duplicated backup storage to the secondary site
- vii. Encryption of data in-transit over the network
- viii. System(s) must be powered by standard 120/240V AC power and be corded to connect with a C13 or C19 receptacle
- ix. Vendor-provided hardware must be mountable in a standard 19-inch-wide equipment rack
- x. Describe the hardware provided, including physical space (rack units), power requirements and expected consumption, network interfaces, cabling and any other physical requirements
- xi. Describe all external server environment requirements for the system, such as virtual machines, operating system,

- databases, web servers, and network
- xii. Describe how, in the event of support termination, Nebraska data can be extracted and transferred to an alternate backup system or storage

**D. Pricing – Please provide the following cost elements in the attached pricing worksheet:**

- i. Options for software and hardware maintenance coverage options for terms of 1-5 years
- ii. Licensing costs for any add-on features or third-party software that would be required to meet the requirements outlined in this RFP
- iii. Costs (including billable expenses) for providing training recommended in the proposal
- iv. Available increments and cost for expansion of backup storage from the initial proposed solution
- v. Available increments and cost for expansion of number of virtual and/or physical machines served by the backup solution

**3. PRESENTATION.** Presentations are not scheduled at this time, but may be scheduled during the evaluation of proposals if needed.

**4. PROPOSAL SUBMISSION.** Proposals will be collected and accepted using the ESUCC IonWave procurement system. Interested vendors must register with the system at <https://esucc.ionwave.net> to receive and respond to the request for proposal. Proposals will be received by the IonWave system until 5:00 p.m. Central Daylight Time on July 29, 2016. Proposals shall include the following:

- A.** Information as required by paragraph 2 above;
- B.** Cost of the backup system and any related charges (via attached pricing worksheet);
- C.** An indication of the Vendor's experience in similar or equivalent projects;
- D.** A list of at least three (3) completed projects of similar size and magnitude;
- E.** References (including contact person, address, and telephone number); and
- F.** Any proposed contract modifications. (See contract template)

**5. WITHDRAWAL OF PROPOSAL.** A request to withdraw a proposal must be made in writing and filed with the ESUCC prior to the time set for the opening of proposals. No proposal may be withdrawn following the opening of proposals.

**6. CONTACT WITH BIDDERS.** ESUCC reserves the right to conduct discussions with any or all Vendors for the purpose of clarification and modification. Discussion and negotiation may include, but is not limited to, the scope of the work, delivery schedule, and pricing.

**7. DISQUALIFICATION OF BIDDERS.** Vendors may be disqualified and their proposals disregarded for reasons which include but are not limited to the following:

- A. The ESUCC has reason to believe that Vendors have engaged in collusion.
- B. The Vendor being interested in any litigation against the ESUCC or any of its ESUs or their member school districts.
- C. The Vendor is in arrears on any existing contract or has defaulted on a previous contract.
- D. The Vendor has uncompleted work which, in the judgment of the ESUCC, will prevent or hinder its ability to complete this project, if it were awarded to the Vendor.

**8. SELECTION PROCEDURE.** The ESUCC will award a contract to one bidder who provides the best proposal to meet the ESUCC's needs and requirements.

**9. OPENING OF PROPOSALS.** Proposals will be opened publicly and simultaneously in the presence of the proposer and/or their representatives beginning at 9:00 a.m. (Central Time) on Monday, August 1, 2016, or as soon as possible thereafter, in the office of Scott Isaacson, ESU 3, 6949 South 110<sup>th</sup> St., LaVista, NE 68128.

**10. CONTRACT.** The ESUCC will negotiate the terms of a contract with the selected Vendor. If an agreement is reached, the Vendor will enter into a written contract and will perform all work pursuant to that contract. **Please see attached. Any proposed changes or modifications to the contract document must be presented in the bidder's proposal.** The Proposal does not constitute an agreement or contract with the ESUCC, and the ESUCC reserves the right to not enter into any agreement with any Vendor.

**11. NON-RESPONSIVE PROPOSALS.** A Vendor that fails to respond to any request for information may be deemed non-responsive and its proposal may not be considered for the award.

**12. CONTACT/CONFERENCE WITH PROPOSERS.** ESUCC reserves the right to contact, conduct discussions, or to hold conferences with any or all proposers for the purpose of clarification, modification, and refinement of any proposals.

**13. NOTICE.** By submitting a proposal, the Vendor agrees to waive any claim it has, or may have, against ESUCC and its employees, arising out of, or in connection with, the administration, evaluation, or recommendation of any proposal; waiver of any requirements under the proposal documents or the contract documents; acceptance or rejection of any proposals; and award of the contract.

**14. DEBARMENT.** Submission of a proposal in response to this RFP is certification that you, your company, and any subcontractor is not currently debarred, suspended, proposed for debarment, declared ineligible, or otherwise excluded from submitting proposals to any State or Federal department or agency or any political subdivision of the State of Nebraska.

**15. REJECTION OF PROPOSALS.** ESUCC reserves the right (a) to terminate the proposal process at any time; (b) to reject any or all proposals; and (c) to waive formalities and minor irregularities in the proposals received. ESUCC further reserves the right to conduct a pre-award survey of any Vendor under consideration to confirm any of the information furnished by the firm or to require other evidence of managerial, financial, technical and other capabilities, the positive establishment of which is determined by ESUCC to be necessary for the successful performance of the contract. ESUCC further reserves the right to cancel or amend this RFP at any time and will notify all recipients accordingly.

**16. INQUIRIES.** Submit all questions, inquiries, or requests for clarification in writing via e-mail to Scott Isaacson at [sisaacson@esucc.org](mailto:sisaacson@esucc.org). The subject of the e-mail should be "RFP-Backup-2016-07-08 Questions".

# Technology Committee Update

*Scott Isaacson*

September 7, 2016

## Statewide Technology Plan

### **Nebraska Cloud Infrastructure Support**

The purpose of this effort is to seek the best way of providing statewide technology services through balancing efficiency, cost effectiveness, data protection, support and staffing. The more school districts and ESUs approach these needs together, the more we will all be able to improve service and reduce costs. I have begun to compile the ESUCC's current server sustainability costs and next will analyze different hosting models from the perspectives of cost, staffing, security, and politics. The analysis will aid discussion of options with leaders and stakeholders and in setting a direction.

### **Server Hardware Operations**

The SAN continued to encounter failures during the summer and was returned for replacement. The vendor is building and testing a new unit and we expect to have it returned to us and in testing during the month of September.

### **Backup Service**

The RFP for a backup solution is complete and the proposal is submitted for your approval today. The proposed solution provides hardware and software to perform backups of the ESUCC Nebraska Hall server environment and replicate backup data to the ESU 3 data center. The proposal is from Commvault and Eagle Technologies for hardware, software, and 5 years of maintenance and support. Payment is in 3 annual payments of \$25,985.00 per year, for a total of \$77,955.00. This is the lowest-cost proposal and meets our requirements.

### **Single Sign-On (SSO) and App Launch Portal**

The production single sign-on and portal environments were upgraded this summer with the most current versions of software and the addition of load balancing capabilities. Thirty-eight districts and ESUs are live in the production single sign-on framework and we are working with three districts to roll out the production app launch portal. Andy Boell (NNNC), Craig Hicks (ESU 13), Adam Zheng and Ron Cone (ESU 10) are all working with us on rolling out and improving these systems.

### **Multi-State Collaboration (K12 Federation)**

The remaining grant funds for the first phase of K12 Federation work are funding some research projects to help improve the app launch portal software (uPortal), integration of applications and data, data dashboard enhancements, collaboration between K12 districts and state education agencies, and user account provisioning automation. The group is developing strategy for grant proposal(s) for next phase funding this fall and long-term strategy for self-sustainability.

## **LMS**

All accounts in the ANGEL system were deactivated and we are working with a small number of users who are retrieving their content as they transition to another system. One district did not move to another system before the change and are in process of making that transition now.

## **ADVISER Ed-Fi Dashboard**

A PowerSchool-oriented training was held at ESU 10 on August 25th for ESU virtual support team members. EAP II districts will begin connecting soon this fall. Pilot and EAP I districts are completing ADVISER roll-over activities for 2016-17. Regular calls for the EAP districts, production districts and VST are being scheduled.

## **SRS**

Mike Danahy, Wade Fruhling and MindShine Technologies are working on three areas: converting legacy pages of the application to the Zend framework, developing data import and export processes for district data exchange, and responding to problem reports and application changes as needed. MindShine Technologies is assisting with the last Zend conversion activities and expected to complete that work this fall. The database and code are in need of modernizing and we are determining the most efficient approach to accomplish this following the Zend conversion work.



## Committee Report

**PROJECT NAME:** BlendEd and Distance Ed

**PROJECT DIRECTOR:** Beth Kabes

**REPORT PERIOD:** September, 2016

### **COMMITTEE REPORT:**

BlendEd Committee continues to meet every Friday morning at 9 a.m. over zoom. Discussion items include since July:

[August 26, 2016 - Fall Ed Tech, PDO](#)

[August 21, 2016 - ad hoc planning for PDO](#)

[August 19, 2016 - Fall Ed Tech, CBE, Blended Pilot](#)

[August 12, 2016 - ESU10 Blended Model, PDO, Blended Pilot](#)

[August 5, 2016 - Blended Coaching, ISTE, NAG](#)

Invited Ryan Foor, NDE representative to join the meeting.

BlendEd Pilot:

- Held training across the state with Dawn F, Nick Z, Craig H and myself leading the training sessions
- ESU Blended Coaches met in August to review the progress and process of supporting pilot schools/districts. Will be meeting again at ESUPDO Unconference Breakout.
- Blended Coaches are working with schools/districts in supporting teachers through coaching as well as with learning modules.
- Blended Coaches are asked to record observations throughout the year to use for data collection to evaluate the effectiveness of the project

Craig Hicks, Linda Dickeson and myself presented at a Poster Session at ISTE in Denver this last June. Had a number of interested people stop by to ask how NE is progressing with the initiative. Also have been approved for presentations at iNACOL in October and AESA in December.

Beth attending Competency Based Education (CBE) training sponsored by NDE on September 6-7. The framework for CBE as presented by REL from Marzano Labs is similar to the Blended model that has been promoted.

Beth is visiting the Blended Pilot schools. To date, she has visited:  
OPS, Wilson Focus Middle School

Westside Community Schools  
Bennington Community Schools

NROC/EdReady

Throughout the summer, NDE and ESUCC have been collaborating with NROC and the 8 ACT Pilot schools to identify Use Case studies that can be studied for data to share about EdReady effectiveness. Currently, Scottsbluff, Sidney, Hastings have met with NROC to develop a plan for implementation. Schools that have shown interest but have yet to meet with NROC are Columbus, Lincoln and Gering.

**DEAC REPORT:**

- In conjunction with NDLA, DEAC is sponsoring a Virtual Field Trip Providers workshop at Lincoln Public Schools Administration Building on November 8.
- Meetings are now combined with TLT. First one for 2016-2017 will be on September 15.
- Courses have been added to NVIS for 2016-2017. Will be checking with DL Coordinators to be sure that all courses have been posted.
- Asking DL Coordinators for update recommendations to NVIS to be proposed to ESUCC.

**OLD BUSINESS:**

NVIS –

No changes to report.

BlendEd

The Advisory continues to meet on Friday morning at 9 a.m. CT  
Blended Pilot is progressing

NROC/EdReady

See above

LOR Sub-Committee

Met with Amazon Inspire on August 26. Rhonda's report will have more information/details

**NEW BUSINESS:**

BlendEd

- Submitted proposals for NAMLE presentation in October.
- Asked ESU staff to co-present and lead the one-hour session at ESUPDO in September. Goal is to increase the number of leaders sharing and promoting across NE at both PDO and conferences.

Joint Imat/DEAC/TAG group – Teaching and Learning with Technology (TLT)  
Meeting September 15, 2016 TLT meeting.

Agenda developed by Co-Chairs Wade Gibson and Dawn Ferreyra. TLT Leadership Team: Chris Good, Patty Finney, Eileen Barks, BJ Peters, reviewed, edited and approved the agenda. Rhonda Eis, Deb Hericks and myself were also present at this meeting.

TLT will have a training on November 16-17 in Omaha on LMS development and use. Will be taking time to build mini-lessons to share with all of TLT.





# IS THE LEARNING IN OUR SCHOOLS *Personal?*

The best learning is driven by the learner. **It's personal.**  
Right now, our students have strong skills & are prepared  
to personalize learning.



**75%**

of Nebraska students find it  
easy or very easy to  
collaborate on online  
documents.



**70%**

of Nebraska students are  
reading online content  
weekly in their personal  
lives.

**However,**

many of the learning  
environments in our schools  
aren't keeping pace with  
these skills.

*In 2014, only 10% of students were asked to review  
online information by their teachers.*

**🔍 This year, only 37%**

of students are asked to review online  
information by their teachers.

*In 2014, only 9% of students are asked to write  
online at least monthly by their teachers.*

**✍️ This year, only 29%**

of students are asked to write online  
at least monthly by their teachers.

**Nebraska  
educators are  
ready to  
remedy this  
issue and make  
this shift.**



**9 out of 10  
educators**  
believe that technology  
use in class can enhance  
student learning.

**65%**

Over 65% of all teachers in Nebraska receive  
**less than 8 hours of professional  
development** on instructional technology and  
personalized learning in a school year.

**It's personal.**



This statistically significant data across the state of Nebraska proves that the **BLENDED INITIATIVE** is needed now more than ever. Closely monitoring the impact of blended learning models over time at the statewide level can affect change for teachers and students in our schools like never before.

*This data is accurate as of March 2016.  
This report represents 176 districts from across Nebraska.*

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 **BrightBytes**

The leading research and data organization that  
enables you to track, measure and drive learning over time.



## Committee Report

**PROJECT NAME:** Projects – Instructional Materials/Resources

**PROJECT DIRECTOR:** Rhonda Eis

**REPORT PERIOD:** September 2016

### Media on Demand - Learn360

- 2016-17 (Year 2 of 3) - \$112,000
- 2017-18 (Year 3 of 3) - \$119,000
- TLT Resources focus group (IMat) to review usage: [2015-16 State Usage Report](#)
- Provide additional training of new and improved platform

### LOR

- **Nebraska licensed titles –available through the Learn60 platform**
  - 589 licensed titles – video format must be mp4 to be accessible through Learn360 platform and many of the titles needed to be re-encoded
    - 200+ titles were added this summer
    - 200+ titles are also licensed by Learn360 and are available
    - Remaining titles will be added as time permits (those that expire in 2017 will not be added unless the license is renewed)
- **OER - Amazon Inspire – (Postponed availability – Fall/Winter?)**
  - On August 25<sup>th</sup>, LOR sub-committee members - Linda Dickeson, Craig Hicks, Scott Isaacson, Beth Kabes, Rhonda Eis and Brent Gaswick met with Amazon Inspire representatives Kyler Mapstead and Jill Florant. We met to discuss status of the service and next steps for Nebraska.
  - Currently, Amazon Inspire remains in beta and a public release date has been delayed until later in the year. They have suspended the upload and download functions of the beta service as they make system updates and address copyright concerns of uploaded resources.
  - We could get early access for our districts during the continued beta period with a provided access code, but that isn't available just yet. Some protection of content would be available at the district or state level if accounts are created with these access codes. SSO is on the roadmap for future release, but won't be ready with the public release later in the year.

- **Follow-up meetings with Amazon Inspire, dates TBA**
  - Tech roadmap – LMS, SSO, Learning Registry – tentative – September 23
  - PD Support – materials and webinar/conference support for key rollout strategies
  - Content Ingestion

### **Teaching and Learning with Technology (TLT)**

- May 3 – TLT (joint IMat/DEAC/TAG group)
  - The group met to develop a vision and mission, discuss membership, meetings, governance and leadership. Freida Lange and Sue Anderson facilitated the process of defining a mission statement. SDA By-Laws were used as an example to help model the draft By-Laws of TLT.
  - TLT Leadership Team:
    - Wade Gibson (Co-chair--1-year term)
    - Dawn Ferreyra (Co-chair--1-year term)
    - Patty Finney (2-year term)
    - Chris Good (2-year term)
    - BJ Peters (3-year term)
    - Eileen Barks (3-year term)
    - Beth Kabes and Rhonda Eis – ESUCC
  - TLT Leadership Team met four times this summer to craft a final mission statement from the work of the May 3 meeting, draft By-Laws, create the agenda for the September meeting and plan a training event for November 16 & 17.
  - Next Leadership meeting is September 14, 2016 - 4:30PM - 7:00PM
- September 15 – TLT Meeting
  - [Agenda](#)
  - Vote to approve the TLT Mission Statement that will be presented to the Technology Committee in October for approval.
    - *“The mission of TLT is to connect educators with resources, best practices, and emerging technologies to transform teaching and learning.”*
  - Review the by-laws and provide brief updates on projects.
  - Focus groups will break out for approximately 90 minutes to discuss priority needs and determine need for additional collaborative meeting to keep on projects on task.