



Board of County Commissioners Agenda Request

2P
Agenda Item #

Requested Meeting Date: 10 August 2021

Title of Item: Assureon Storage Server

<input type="checkbox"/> REGULAR AGENDA <input checked="" type="checkbox"/> CONSENT AGENDA <input type="checkbox"/> INFORMATION ONLY	Action Requested: <input checked="" type="checkbox"/> Approve/Deny Motion <input type="checkbox"/> Adopt Resolution (attach draft) <i>*provide copy of hearing notice that was published</i>	<input type="checkbox"/> Direction Requested <input type="checkbox"/> Discussion Item <input type="checkbox"/> Hold Public Hearing*
Submitted by: Christian Sutch		Department: IT
Presenter (Name and Title): Christian Sutch IT Manager		Estimated Time Needed: 5 minutes
Summary of Issue: <p>This is a scheduled replacement of the Nexsan Assureon Storage servers as approved in 2020's Capital Improvement Plan. These storage servers are utilized by Application Extender - the County's document management system. Many County departments, including the Recorders, HR, Land Department, GIS, Health and Human Services, Assessors, and Auditors use this for their Electronic document management, including Land Sale Records.</p> <p>These servers are installed in pairs, and replicate data between them to provide redundancy and protection. This equipment is essential to the proper functioning of these systems.</p>		
Alternatives, Options, Effects on Others/Comments:		
Recommended Action/Motion: Approve project purchase of AS-AXR4-32 in the amount of \$48,590 and authorize the use of Recorder's Compliance funds in the amount of \$18,590		
Financial Impact: Is there a cost associated with this request? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No What is the total cost, with tax and shipping? \$ 48,590.00 Is this budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Please Explain:</i> Approved in the 2020 CIP. Recorder Tech funds will be providing \$15,000. IT budgeted 15,000 from Levy. I would request the balance of \$18,590 to be paid from the Recorder Compliance funds.		

Legally binding agreements must have County Attorney approval prior to submission.



Special Offer if purchased by September 30
See below for details

3210 Fiechtner Dr. S
Fargo, ND 58103
T: 800-359-1048
www.iscimging.com

Assureon System Replacement Configuration and Pricing

The following is a proposal to replace the existing Assureon system with new versions of the Assureon data archiving system.



Description of System Configuration

Assureon AS-AX4-16 – This configuration will only use the Assureon model AS-AX4-16 that consists of (1) Assureon server with the server including a processing node and storage system combined in to a 2U chassis with 16 TB of usable available archive capacity in dual-write mode (after RAID, before formatting).

Assureon AS-AXR4-32 – This configuration will only use the Assureon model AS-AXR4-32 that consists of (2) Assureon servers with each server including a processing node and storage system combined in to a 2U chassis, for site 1 & 2, with 32 TB of usable available archive capacity in dual-write mode (after RAID, before formatting).

*** Save \$4,000.00 on AS-AXR4-32 if purchased by September 30**

Assureon Model Description and Purchase Cost

Model	AS-AX4-16	AS-AXR4-32	AS-AXR4-32 *
Archive capacity available per site in single-write mode (after raid, before formatting)	16 TB	32 TB	32 TB
Replicated Assureon Server, Includes processing node with storage	\$21,995.00	\$44,595.00	\$40,595.00
Annual Enterprise Onsite Support	\$2,995.00	\$4,995.00	\$4,995.00
Professional Services – Installation, Configuration and Data Migration	\$3,000.00	\$3,000.00	\$3,000.00
Total Cost	\$27,990.00	\$52,590.00	\$48,590.00

Assureon AS-AX4-16 Description of System Implementation and Operation

- The Assureon server should be installed in any available data center for best disaster recovery practices
- Customer will have their ApplicationXtender image file data stored on a Windows server (2008 R2, 2012 or 2016) partition
 - The Windows server hosting the ApplicationXtender image file data will be on premise
 - The Windows server partition space for the ApplicationXtender image file data should be equal to the amount of space used by ApplicationXtender at the time of the Assureon implementation
- An Assureon client will be installed on the Windows server hosting the ApplicationXtender image file data and will be used to monitor ApplicationXtender system activity and send the image file data to the appropriate Assureon System Server
- The Assureon Server's will replicate the ApplicationXtender image file data within the Assureon server
 - The Assureon replication process will insure that ApplicationXtender data is fully protected from data corruption and to address disaster recovery

ApplicationXtender Server



Assureon AS-AXR4-32 Description of System Implementation and Operation

- Each Assureon server should be installed in separate data centers for best disaster recovery practices
 - Assureon Server Site 1 will replicate all data to Assureon Server Site 2 if data is written first to Site 1
 - Assureon Server Site 2 will replicate all data to Assureon Server Site 1 if data is written first to Site 2
- Customer will have their ApplicationXtender image file data stored on a Windows server (2008 R2, 2012 or 2016) partition
 - The Windows server hosting the ApplicationXtender image file data will be on premise
 - The Windows server partition space for the ApplicationXtender image file data should be equal to the amount of space used by ApplicationXtender at the time of the Assureon implementation
- An Assureon client will be installed on the Windows server hosting the ApplicationXtender image file data and will be used to monitor ApplicationXtender system activity and send the image file data to the appropriate Assureon Server
 - The Assureon client will be installed from the Assureon Server installed and will send the ApplicationXtender image file data to the same Assureon Server (Site 1 or Site 2) from which the Assureon client is installed
- The Assureon Server's will replicate the ApplicationXtender image file data between each Site where Site 1 will replicate data to Site 2 and Site 2 will replicate data to Site 1
 - The Assureon replication process will insure that both Assureon Servers (Site 1 and Site 2) will have the exact same ApplicationXtender image file data on each Assureon Server

ApplicationXtender Server

