

WOU Mutual Aid for Cybersecurity



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Community Strength is one of the Four Pillars of our Strategic Plan

- Participation in All-Hands Leadership Group for Monmouth-Independence Community
 - Participants include:
 - City of Monmouth
 - City of Independence
 - Polk County
 - Polk County Fire District # 1
 - SEDCOR (Our Region's Economic Development Organization)
 - Central School District
 - Western Oregon University
 - Senator Patterson's Office
 - Representative Evans Office



Western Oregon University Mutual Aid to Central School District After Ransomware Attack

- Central School District on February 7, 2024 to request assistance after the School District realized they were a victim of ransomware attack. The attack locked School District staff and students out of critical systems and disabled the district network.
- Within a couple of days Western Oregon University Computing Solutions team supplied hot spots to district staff to gain critical internet access and opened a computer lab on campus so that Central School District staff could access cloud-based programs to prepare and print teaching materials.
- In all, students only lost two days of instruction while the district switched to non-learning.

Top 5 cyber threats to WOU

- Insider Threat (x2)
- Systems Outage (power, network, storage, portal, etc...)
- APT (Advanced Persistent Threat, State Sponsored)
 - Social Engineering
 - Phishing/Smishing
 - Ransomware x4 : Ransomware, Data Theft, DDoS, User Extortion



WOU CYBERSECURITY INVESTMENTS

- redWOLF3 – A team effort

redWOLF³

- Collaboration



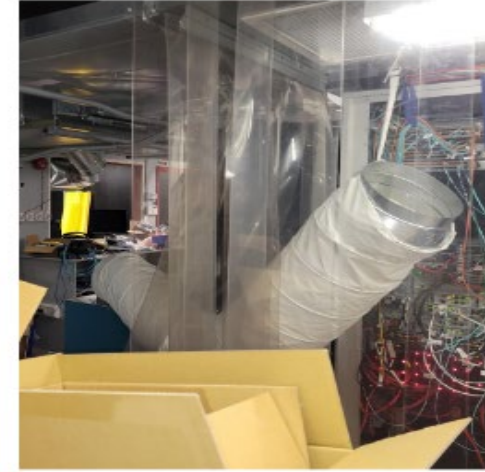
- CIS Cyber Framework & NCSR



- Private networks



Set aside fund laungure for deferred maintainece



ITC South, current server room, being cooled by added fans and dehumidifiers



Server room has ad hoc duct work moving air around the room to keep space cool, but with this comes the added need for dust mitigation and dehumidifiers.



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WOU Data Center

State Request: \$13.1M (\$12.4M XI-Q, \$0.7M XI-G)

Matching Funds: \$0.7M

Eliminated Deferred Maintenance: \$5.3M

Overview:

- The project will replace six outdated modular classrooms and a restroom facility with a state-of-the-art, secure computing and data center.
- A well-designed and efficient data center will enhance the stability of WOU's computer infrastructure, classroom technologies, and student services.
- The existing data center is located in an old masonry structure that lacks sufficient HVAC, dust control, and seismic safety features.

Impact on Students:

- Provides students with direct access to a micro-cloud computing environment, helping to alleviate the intimidation often associated with digital careers.
- Facilitates technology grants, which can speed up research timelines in fields such as big data and machine learning.
- Inspires student creativity and fuels innovative research.
- Positions WOU to be at the forefront of innovation.



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THANK YOU!

QUESTIONS?



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