

TAC Meeting

July 18, 2024

Attendance: Jim Stewart, Troy Jessup, David Long, Greg Scherer, Jonathan Karras, Joe Breen, Spencer Jenkins, James Deaton, Barry Bryson, Lynne Yocom,

- Welcome
- Discussion – Follow up from Tech Summit
 - Doing meshing
 - UTEN has redundancy on the backbone but is not part of the edge strategy
 - The criticality of the network is huge
 - Some alternative options for people who request beyond fiber
 - Wireless and other techniques
 - Not a full strategy at this time
 - UDoT has alternative fibers with Telcom's that might be options
 - Prioritize aggregation sites
 - More redundancy options for aggregation sites
 - UDoT has a lot of fiber options
 - **ACTION** – Set up a meeting with Kevin Quire/ Lynne/Joe Clyde to look at options to see what can help SLC libraries/Juan Diego to see if there are inexpensive options to get some redundancies.
- Discussion – Guidance on future tech discussions (Spencer)
 - Invite Andy Bender from
 - Invite John Rusho to do a presentation about what he is doing with Sizenet
 - University challenges with AI
 - SCIPTE grant – research and remote sensing
- Discussion – WildWEST - SCIEP
 - Received an award for SCIEP from NSF. A grant focused on people/professional development
 - Collaboration with NV, AZ, and UT focuses on field science.
 - Being able to connect field science research and move data that can be looked at across regions
 - All working together to support field research in the area as well as build up each other's skills
 - Regional backbones and contacts are enablers of research
 - Collaboration at the regional level with other states allows more seamless research at a regional level, especially on long-term research projects
 - Security is important for this research
 - Ties into AI because the data that the Internet of Things is bringing will start to be at scale
 - AI can train on different large datasets, and we can start to ask questions about it
 - Has this data been offered to other universities?
 - Yes, started to talk to faculty at different universities
 - Chief Academic Officers might be a good place to reach out
 - This should be investigated more and follow-up on this topic
 - UDoT has a lot of infrastructure that can help (utility poles, cameras, fiber, rural areas with cameras)
 - Hat Ranch Wireless Workshop
 - Lynne does research projects with universities,
 - Each school might eat up this topic
 - This should be investigated more and follow-up on this topic
- Discussion – Recent security issues
 - PortScanning is constant (millions and millions per day)
 - Looking for underconfigured devices
 - Targeted vulnerability
 - Webscanning and organization charts

- TOR sourced recon attempts
 - Looking for organization charts and contacts
 - Pre-Attack indicator for phishing and social attacks
 - Remote Access Services Attacks
 - VPN service scanning
 - Brute force attacks using common passwords
 - Use of breached credentials
 - Anatomy of how this works
 - How the AT&T breach can play into this
 - Breached passwords refreshed
 - Breached Credential Attacks
 - Now becoming more common than standard brute force
 - Targeting business emails
 - Route Security Lessons Learned (story)
 - Higher Ed needs to review its IP space
 - WestNet addresses need to be reviewed
 - Darknet use of WestNet address space
 - UETN became the carrier of the technical WestNET IP space
 - Troy has been speaking with Steve Wallace on this issue.
 - Log and alert on all internet access portals
- Discussion – Wireless update; Core trials, BCSD installation; Carrier Collaborations
 - Didn't get to this topic
- Discussion – Member roundtable (time permitting)
 - Didn't get to this topic
- Adjourn