

YouTube Support

Seattle-Ops-201d14 Final Project

Marcus Nogueira - Jason Dallas - Jasmine Pressley - Christen Reinhart - Kevin Williams

Agenda

1. Team Member Introductions
2. Problem Domain & Project Overview
3. Team Process
4. Demonstration
5. Q&A



Our Team



Avalon Lake Tech

Team Members:

- **Marcus Nogueira**
- **Christen Reinhart**
- **Jason Dallas**
- **Kevin Williams**
- **Jasmine Pressley**
- **Yue Moua**

Marcus Nogueira



Cybersecurity Engineer

- US Army Veteran
- Skilled in a web application development.
- Security focused.
- Dedicated to combining coding understanding with cybersecurity measures for enhanced system resilience.

Jasmine Pressley



Cybersecurity Professional

- Background in healthcare and customer service
- Skills in data protection and regulatory compliance
- Desire to build a successful professional journey in cybersecurity
- Dedicated, adaptable, and enthusiastic about technology
- Aiming to contribute to protecting digital assets and ensuring security in alignment with industry standards

Yue Moua



Cybersecurity Professional

- US Navy Veteran
- Cybersecurity, Bash, PowerShell
- Disciplined, Detail-oriented, Responsible
- Eager to Contribute to Cybersecurity

Jason Dallas



Cyber Security Professional

- US Army Veteran
- IT Specialist of 6 years
- Intelligence Analytics
- Network Security Professional
- Effective Communicator
- Detail-Oriented Professional

Christen Reinhart



Cybersecurity Analyst

- Veteran with over a decade of military & contracting IT expertise.
- Specialized in network management, system administration, and satellite communications.
- Looking to advance my career by branching into cybersecurity.

Kevin Williams



Cybersecurity Analyst

- Navy Operations Specialist for 5 years
- Transitioning to cybersecurity
- Analytical skills
- Passionate about problem-solving and security
- Committed to excelling in cybersecurity.

Client Company

Objective:

Develop a comprehensive IT strategy for a growing, remote YouTube channel business with diverse tech needs, focusing on personalized hardware provision, cloud-based collaboration, and robust data storage solutions.



Client Requirements

- Employees include both **Windows** and **Linux** users
- Live Writing Collaboration over the **Cloud**
- Video editors will need a large **local backup solution**.
- **Cloud-based data storage** solution for video files.
- The company is entirely **remote**, and would like to stay that way.

OS Diversity

Custom Windows/Ubuntu ISO

- **Tailored Installations:** Avalon Lake Tech uses custom Windows/Ubuntu ISOs for quick, pre-configured installations, minimizing setup time by including commonly used software.
- **Efficient Onboarding:** Technicians swiftly set up user accounts and integrate new devices with company cloud services post-installation, ensuring a seamless onboarding process.



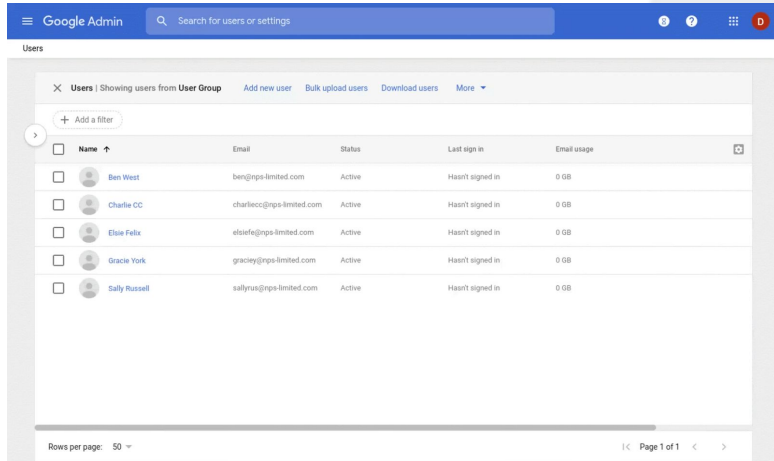
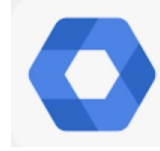
Collaboration

Google Workspace

zoom

 slack

User Provisioning

A screenshot of the Google Admin console 'Users' page. The page shows a list of users with columns for Name, Email, Status, Last sign in, and Email usage. There are five users listed: Ben West, Charlie CC, Elsie Felix, Gracie York, and Sally Russell. All users are 'Active' and have 'Hasn't signed in' for 'Last sign in' and '0 GB' for 'Email usage'. The page includes a search bar at the top, a filter button, and pagination controls at the bottom.

<input type="checkbox"/>	Name ↑	Email	Status	Last sign in	Email usage
<input type="checkbox"/>	Ben West	ben@nps-limited.com	Active	Hasn't signed in	0 GB
<input type="checkbox"/>	Charlie CC	charlecc@nps-limited.com	Active	Hasn't signed in	0 GB
<input type="checkbox"/>	Elsie Felix	elsief@nps-limited.com	Active	Hasn't signed in	0 GB
<input type="checkbox"/>	Gracie York	gracieg@nps-limited.com	Active	Hasn't signed in	0 GB
<input type="checkbox"/>	Sally Russell	sallyrus@nps-limited.com	Active	Hasn't signed in	0 GB

- **User Provisioning:** Admin Console facilitates swift creation, modification, and deactivation of Google Workspace user accounts.
- **Access Management:** Control user access to Google services, ensuring appropriate permissions for each individual.
- **Automated Provisioning:** Integration with identity management enables automated user provisioning, ensuring consistency.



Back Ups



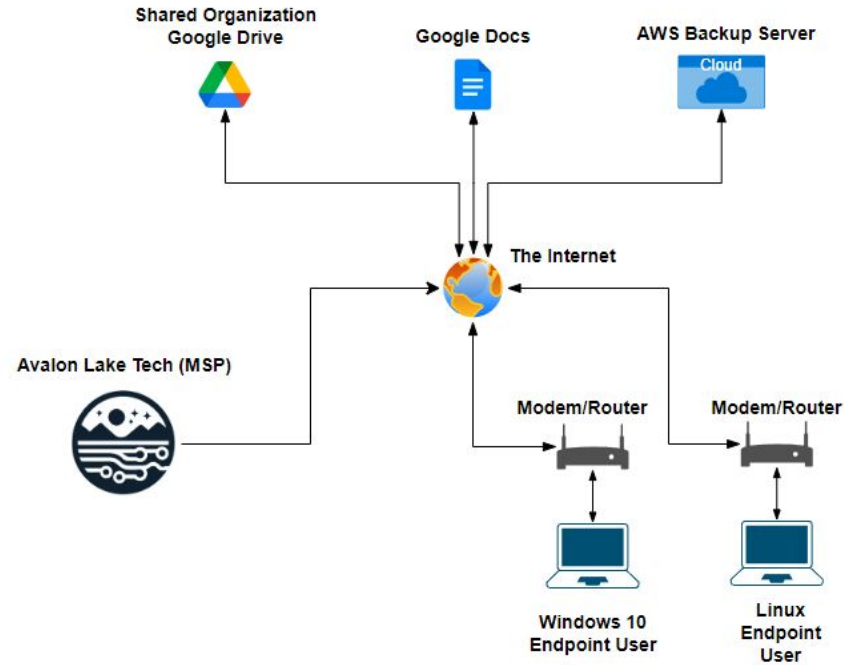
- **Selective Folder Backup:** Users can easily choose specific folders for continuous synchronization with Google Drive, ensuring regular cloud backups.
- **Automated and Seamless:** Once configured, the tool ensures a seamless and automated backup process, keeping selected files and folders consistently up-to-date in Google Drive.

AnyDesk

- **Remote Accessibility:** Allows users to access their computers remotely
- **High Performance:** low-latency connections, smooth and responsive
- **Security Features:** data protection through encryption protocols



Topology



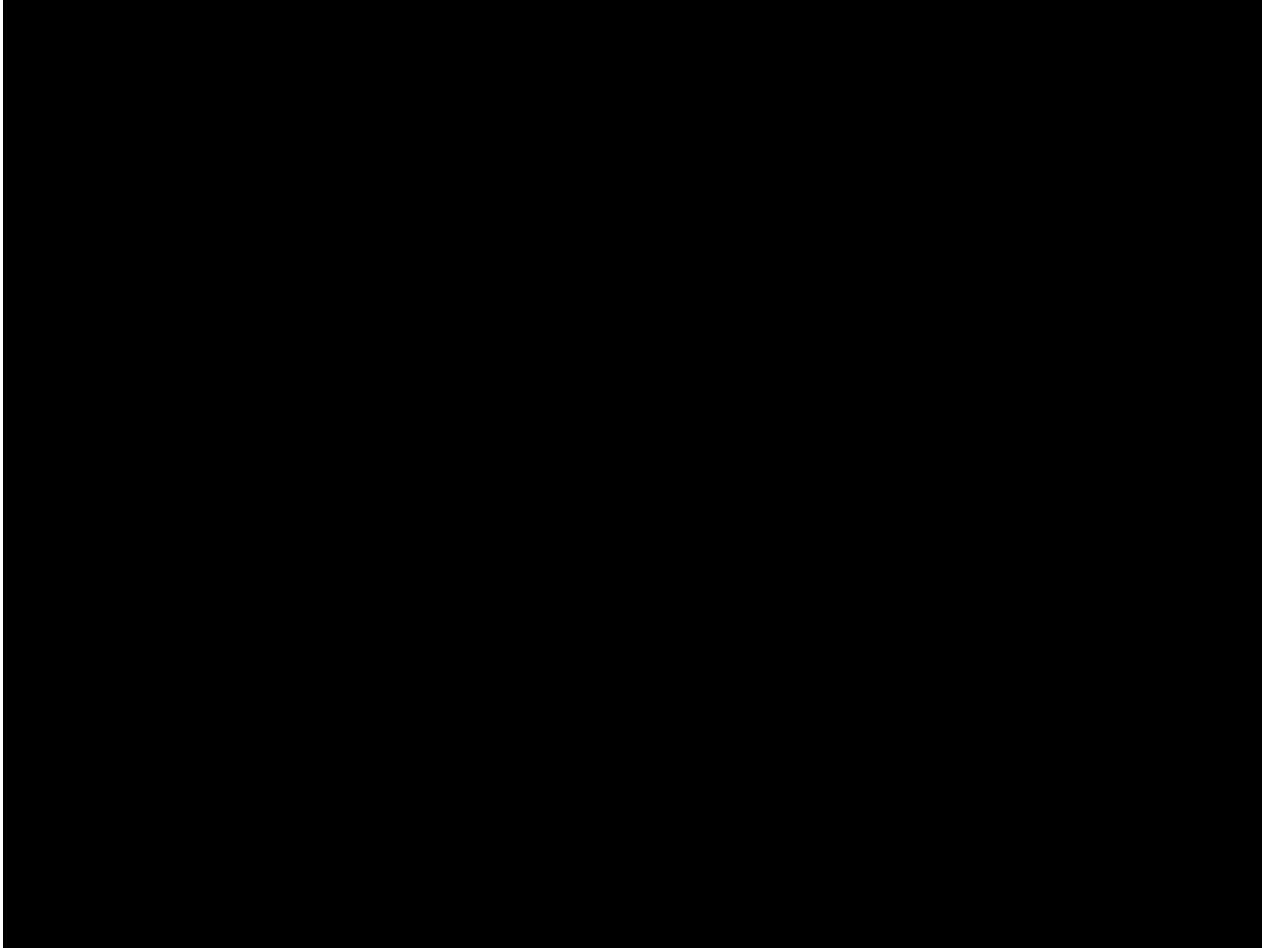


Demo!

Windows Endpoint



Google Workspace User Provisioning



Linux File Recovery Demo



AnyDesk Demo

Resources & Thanks

- Christen Reinhart [Linkedin](#) [Github](#)
- Marcus Nogueira [Linkedin](#) [Github](#)
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Questions?
