

Healdsburg City Council Meeting

November 4, 2024



Sonoma-Marin Area Rail Transit District

Healdsburg Extension Update

November 4, 2024



Healdsburg Extension Update

- **September 2024**

- SMART Board awarded Healdsburg Project Cost Estimator contract to CoCoConsult for project delivery cost estimating and procurement support

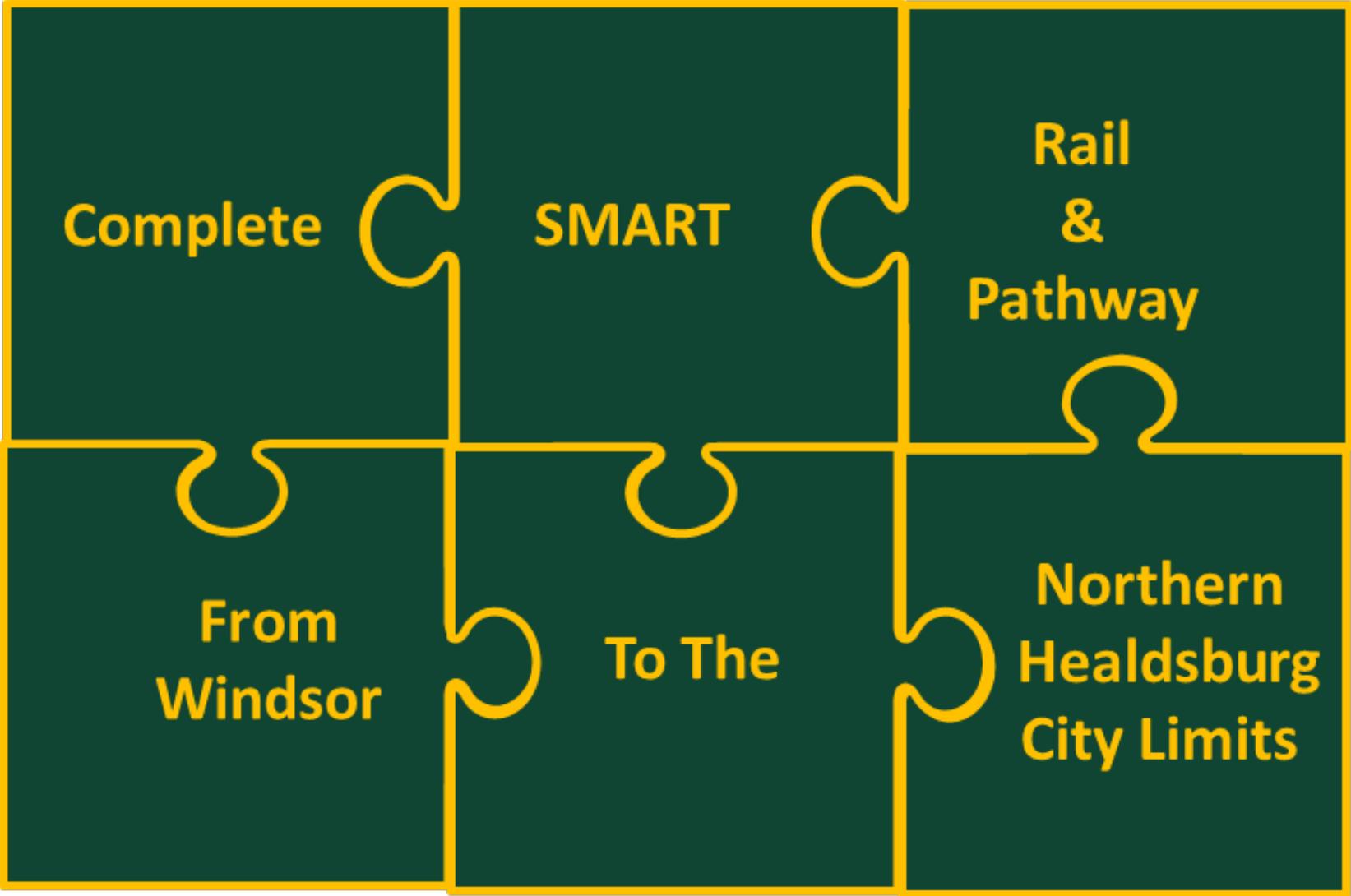
- **October 2024**

- Healdsburg Project Amended into Plan Bay Area 2050 by MTC Commission
- State of California awarded SMART \$81M Transit and Intercity Rail Capital Program Grant for the Healdsburg Project to the Northern City limits

- **November 2024**

- Caltrans & MTC submitting Solutions for Congested Corridors Program grant for SMART Extension to Healdsburg (Award - June 2025)
- SMART submitting Local Partnership Program Competitive grant for SMART Extension to Healdsburg (Award – June 2025)

Project Funding Puzzle



Windsor to Healdsburg Funding



- Two additional grants pending to close the gap between Healdsburg and Windsor.
 - SCCP = \$56M
 - LPP = \$25M
- Healdsburg work underway today!
 - Not waiting future grant announcements
 - Currently preparing progressive design build contract documents
- Next Steps
 - Select contractor Summer 2025
 - Begin construction Summer 2026
 - Complete project by end of 2028
 - Continue progress to Cloverdale



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Questions?



www.sonomamarintrain.org



Customer Service:

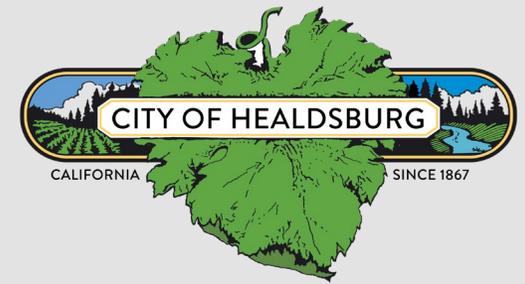
CustomerService@sonomamarintrain.org

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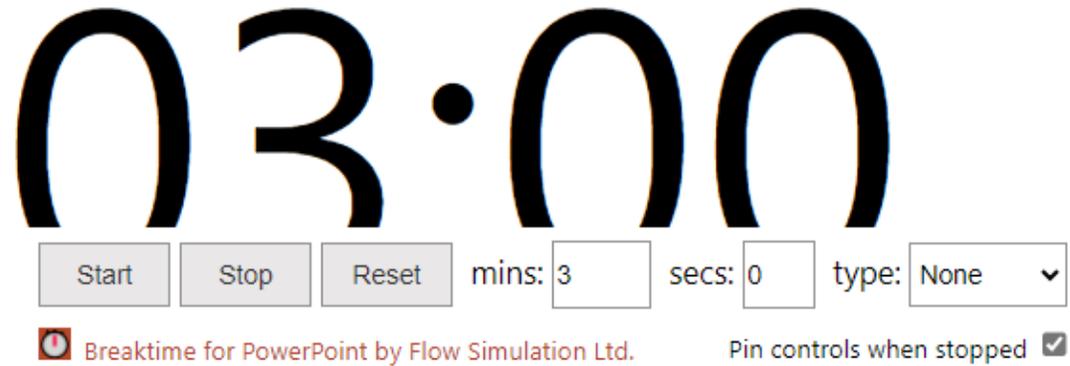
City Manager's Report

City Council, November 4, 2024



Public Comment on Non Agenda Items

Comentarios del
público sobre
puntos no
incluidos en la
agenda de la
reunión



2024 IT Project Updates

City Managers Office

November 4th, 2024

Adam McKenna – Chief Information and Security Officer

Greg McHugh – Geographical Information Systems Specialist



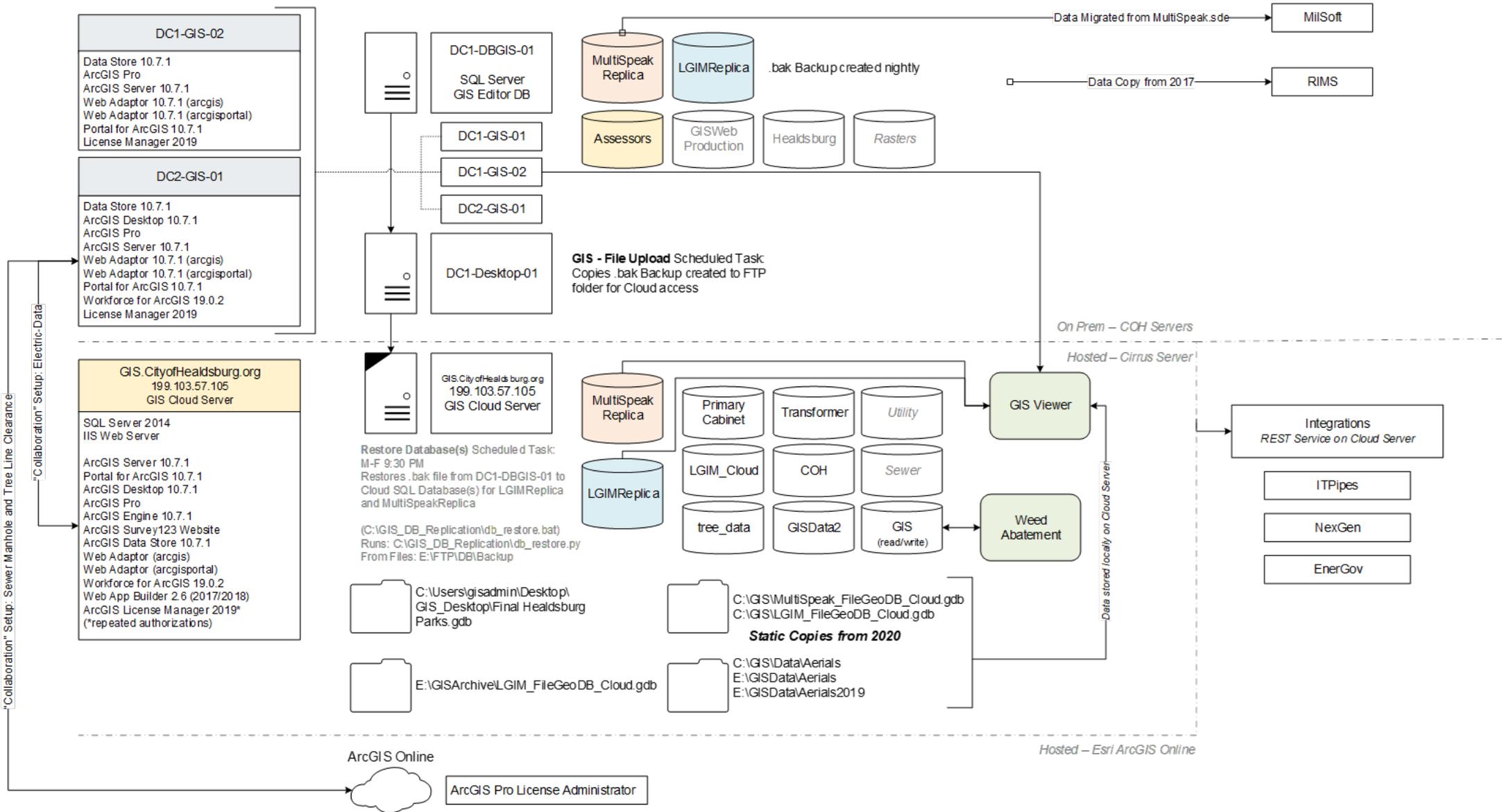
Overview

- GIS Rebuild Project
- Sonic Dark Fiber
- Plaza Wi-Fi
- Cyber Security

GIS Rebuild

- 9-Month rebuild
- Interviews with all City Departments
- Migrated all existing GIS Data and Applications
- GIS Servers, Systems, and Data Structures were redesigned and rebuilt, simplified, and modernized from the ground up

GIS Rebuild – Antiquated and Inefficient Design



GIS Rebuild – Portal

The screenshot shows a web browser window displaying the GIS Map Portal. The browser's address bar shows the URL `maps.healdsburg.gov/portal/home/index.html`. The navigation menu includes [Home](#), [Gallery](#), [Groups](#), [Content](#), and [Organization](#). The user profile is identified as Gregory Mchugh (GMchugh). The main banner features a photograph of a park with a gazebo and the text "GIS Map Portal" with a City of Healdsburg logo. Below the banner is the "COH GIS Gallery" section, which lists various GIS applications and documents:

- Electric GIS Viewer**: Web Mapping Application, Electric GIS Viewer, Electric GIS Viewer Web Mapping Application.
- Electric GIS Viewer PDF**: PDF, Electric GIS Viewer PDF Doc, Electric GIS Viewer PDF Documentation.
- Evacuation Checks Dashboard**: Dashboard, Evacuation Checks Dashboard, Evacuation Checks Dashboard.
- GIS Viewer**: Web Mapping Application, GIS Viewer, GIS Viewer Web Mapping Application.
- GIS PDF**: PDF, GIS.
- Public Works GIS**: PDF, Public Works GIS.

GIS Rebuild – Viewer

The screenshot displays a web browser window with the URL `maps.healdsburg.gov/portal/apps/webappviewer/index.html?id=edb1bf63caa74efaa99fc1fd016edeab`. The application interface includes a search bar at the top left, a 'Map Layers' panel on the left, and a popup window for a selected location.

Map Layers Panel:

- Contours (Feet)
- Waterways
- Parks
- Geotracker
- Easements
- Planning
- Character Areas
- General Plan - Land Use
 - VLR - VERY LOW DENSITY (0-1 UPA)
 - LR - LOW DENSITY (1-3 UPA)
 - MR - MEDIUM DENSITY (3-6 UPA)
 - MHR - MEDIUM HIGH DENSITY (6-10 UPA)
 - HR - HIGH DENSITY (10-20 UPA)
 - DR - DOWNTOWN (3-8 UPA)
 - TR - TRANSIT RESIDENTIAL (10-30 UPA)
 - GMU - GROVE STREET MIXED USE
 - MU - MIXED USE (10-16 UPA)
 - O/HR - OFFICE / HIGH DENSITY RESIDENTIAL (8-16 UPA)
 - DC - DOWNTOWN COMMERCIAL
 - SC - SERVICE COMMERCIAL
 - MO - MEDICAL OFFICE
 - I - INDUSTRIAL
 - PQP - PUBLIC / QUASI PUBLIC
 - OS - OPEN SPACE
 - RS - RIPARIAN SETBACK
- Zoning Districts
- Nearmap (6/25/2024)
- Nearmap (7/3/2023)
- Nearmap (5/13/2022)
- Nearmap (5/18/2021)
- Nearmap (7/3/2020)

Popup Window (3 of 4):

Name	3 North St
ConstructionStatus	Built
Number of Stories	2
Building Height	
Facility Site Code	C
Area	14814.70
SqFt	
CAD Layer	Retail
CAD Elevation	0
Drain Basin	S
FEMA Code	A
Comment	

[Zoom to](#)

The map shows a street grid with various colored overlays representing land use and zoning. A popup window is open over a location on North St, displaying detailed information about the building at 3 North St. The map also shows several residential units labeled with numbers and letters (e.g., Unit A, Unit B, Unit C, Unit D, Unit E, Unit F, Unit G, Unit A-J).

GIS Rebuild Phase 2

With the foundation complete...

What's Next?

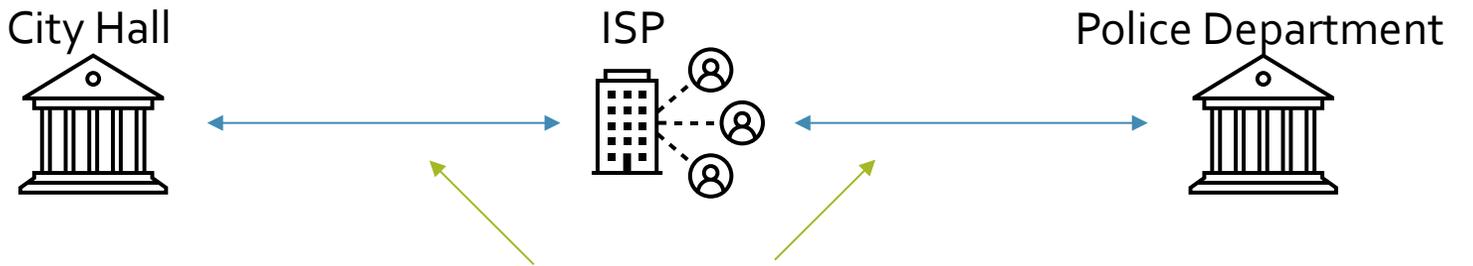
- Systematic Data Clean up and review of all data throughout the system
- Enhance Functionality and Usage of GIS System via new Apps and Dashboards
 - Weed Abatement
 - Affordable Housing Dashboard
 - Emergency Services Dashboards, Zones, and Maps

Sonic Dark Fiber

What is Dark Fiber?

- While most connections provided by an ISP have at least 1 ISP stop between Point A and Point B – dark fiber directly connects our facilities with no third-party stop in the middle

Traditional ISP Site to Site Connection



Dark Fiber



Sonic Dark Fiber

<u>Internet Connections</u>	Speed Increase	Sonic Speed and Connection	Status
City Hall Internet	5x	5Gb/s (5000Mb/s)	Completed 10/24
Police Department Internet	5x	5Gb/s (5000Mb/s)	Completed 10/24
<u>Site-to-Site Dark Fiber</u>			
Police Department Data Center <-> City Hall Data Center (2x)	20x plus second	10Gb/s (10,000Mb/s) 10Gb/s (10,000Mb/s)	Completed 10/24
Fire Department <-> City Hall	100x	10Gb/s (10,000Mb/s)	Pending Turn-up
Corporation Yard <-> City Hall	100x	10Gb/s (10,000Mb/s)	~1 month
Senior Center <-> City Hall	200x	10Gb/s (10,000Mb/s)	Completed 10/24
Swim Center <-> City Hall	200x	10Gb/s (10,000Mb/s)	Review
Community Center <-> City Hall	100x	10Gb/s (10,000Mb/s)	Pending Turn-up
Gauntlett Tower <-> City Hall	New	10Gb/s (10,000Mb/s)	Pending Turn-up
Gauntlett Tower <-> Police Department	New	10Gb/s (10,000Mb/s)	Pending Turn-up
Plaza Park <-> City Hall	40x-300x	10Gb/s (10,000Mb/s)	Completed 10/24

Plaza Wi-Fi

Enhanced Plaza Wi-Fi

Released to Public on 10/18/24

Goal: replace old aging equipment and deliver high-speed internet to the plaza

Design Options: Multiple including Gazebo

Solution: 5 wireless APs directly connected to the internet on lightpoles

Speed: Increases of >40x with burst speeds >300x

Plaza Wi-Fi

“WIFIHEALDSBURG”



Plaza Wi-Fi

“WIFIHEALDSBURG”



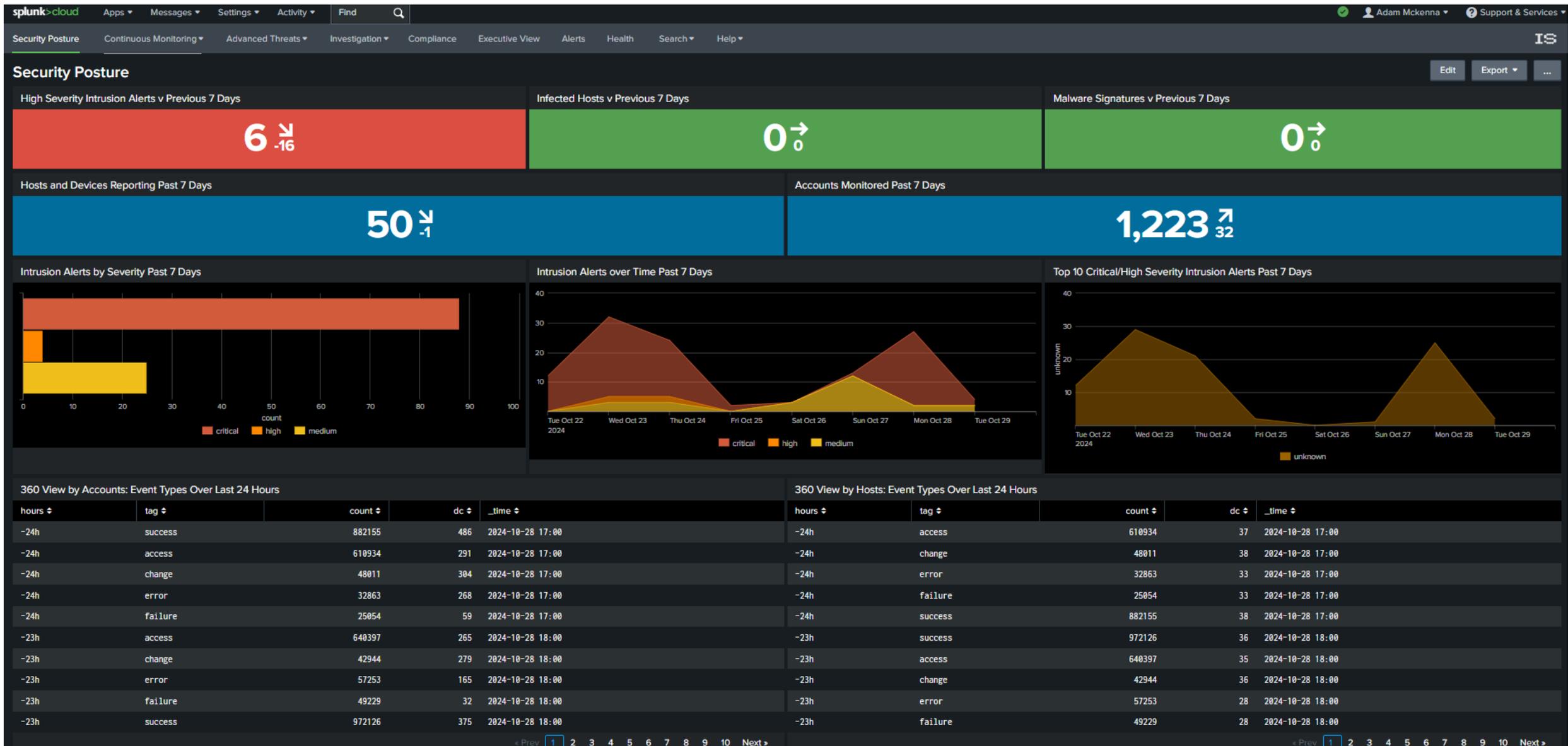
Cyber Security

- The number of local agencies breached continues to grow; so does downtime and remediation costs
- Cyber Liability Insurance Requirements
- Healdsburg sees thousands of potential security events each week
- We should not assume “if” but instead “when”

Cyber Security Projects

- Security Implementations
 - Okta SSO and Duo MFA
 - Change Tracker/Baseline Tools
 - Cisco – ISE (Identity Services Engine)
 - Splunk SIEM (Security Information & Event Management)
 - Cisco – XDR (Extended Detection and Response)
- 3rd Party Penetration Testing
 - IT Process and Procedures Security Analysis
 - External – Could not bypass Firewall
 - Internal – Blocked by ISE. Vulnerabilities found once inside
 - Staff Action
- 18 IT/Security Policies
- Cyber Incident Response Planning
- Immutable Off-Site Cloud Backup
- Staff Training

Cyber Security – Security Information & Event Management



Cyber Security – Extended Detection and Response

← Incidents

1000 Open **Series of Events Leading to Potential Internal Security Violation**

Reported by [Cisco XDR Analytics \(healdsburg\)](#) on Oct 9, 2024 @ 12:06 PM PDT

[View detailed description](#)

This incident traverses from July 18, 2023, at **19:38:18 UTC**, culminating on October 9, 2024, at **17:56:38 UTC**. The series of events reflected repeated attempts at internal port scanning, with anomaly patterns of workstation behavior and connections both internal and external to the network. Multiple devices triggered these events, often linked to suspicious IP addresses and hostnames. The incident's key components were new external connections, internal connection spikes and watchlist hits, and an unusual amount of Server Message Block (SMB) traffic. AI-generated [less](#)

Overview Detection Response Worklog Report

AI Driven Summary of Events

Event Log

Events

Type Source Severity Important only 47 matching results

First seen	Severity	Source	Indicators	Observables
• Oct 21, 2024 @ 4:17 PM PDT	High	XDR Network	Internal Port Scanner	
• Oct 10, 2024 @ 11:55 AM PDT	High	XDR Network	Internal Port Scanner	
• Oct 9, 2024 @ 10:56 AM PDT	High	XDR Network	Internal Port Scanner	
• Oct 9, 2024 @ 10:56 AM PDT	High	Cisco XDR Analytics (heald...)	Internal Port Scanner	
• Oct 9, 2024 @ 10:56 AM PDT	High	XDR Network	Internal Port Scanner	
• Oct 9, 2024 @ 10:56 AM PDT	High	Cisco XDR Analytics (heald...)	Internal Port Scanner	
• Oct 3, 2024 @ 9:59 AM PDT	High	XDR Network	Anomalous Windows Workstation	

Internal Port Scanner on dc1-ise-...

Severity **High**

Reported by [XDR Network](#)

First seen Oct 21, 2024 @ 4:17 PM PDT

Summary

Device scanned a large number of ports.

Description

Observation Type [Internal Port Scanner](#)

Description Device scanned a large number of ports.

Earliest observation time 2024-10-21T23:17:31Z

Latest observation time 2024-10-21T23:17:31Z

Associated Alert [Internal Port Scanner #8847](#)

Relations

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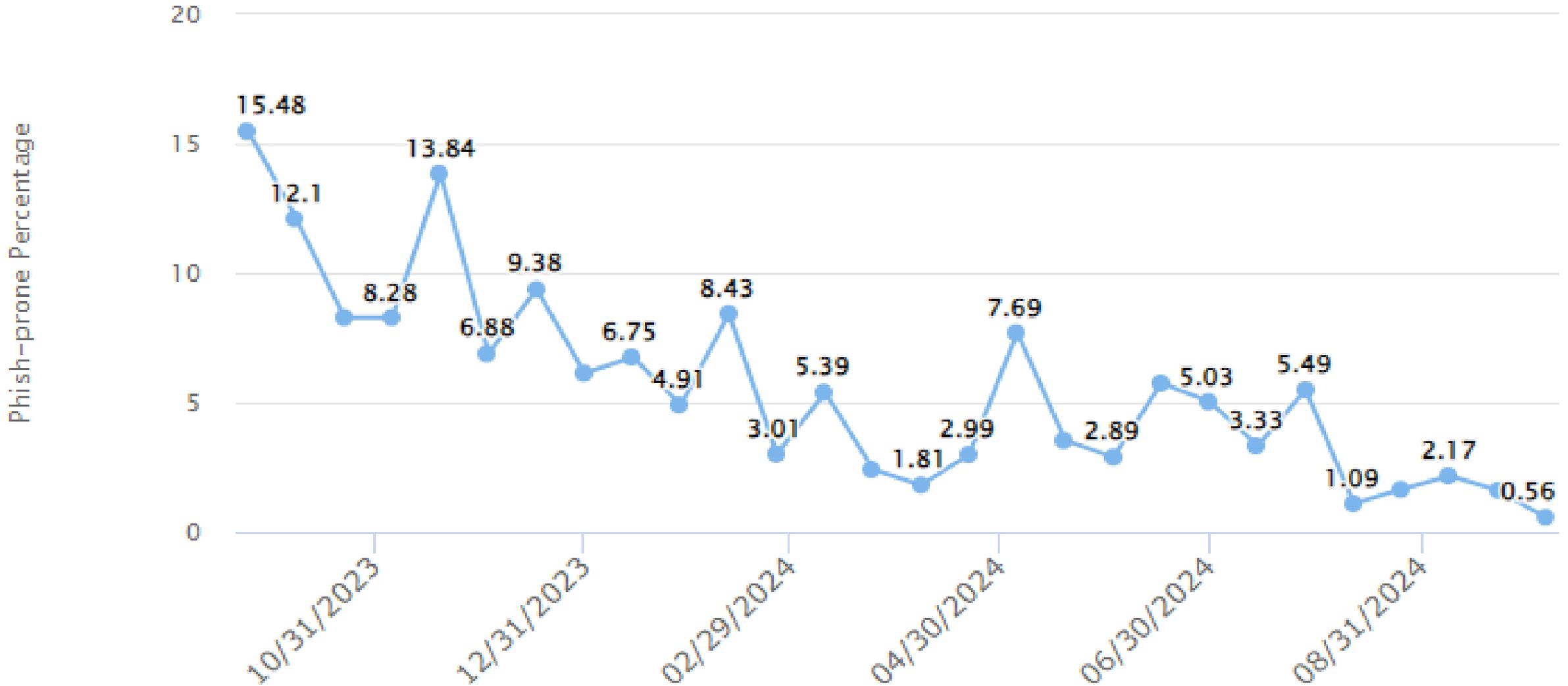
Indicators

1

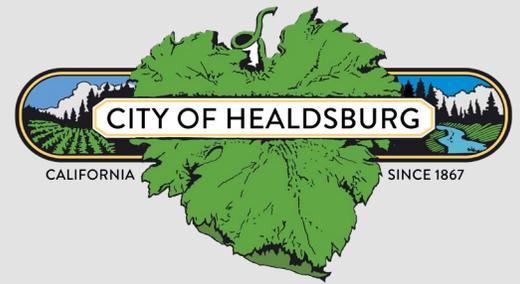


Phish-prone % Over Time

Click and drag in the plot area to zoom in



Discussion, Feedback, and Questions



Public
Comment

Comentarios
del público

03:00

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 Breaktime for PowerPoint by Flow Simulation Ltd.

Pin controls when stopped