



RAILWAYS



Active Directory Transitions

Company

SMART—Sonoma–Marin Area Rail Transit

Headquarters

Petaluma, California, USA

Industry

Railways / Public Transportation

Customer Overview

Sonoma-Marín Area Rail Transit (SMART) is the San Francisco Bay Area's newest transportation option for travel, offering passengers with rail service in Sonoma and Marin counties. SMART's initial 43 miles of rail corridor includes 10 stations while they plan to extend it to 70 miles of passenger rail service, connecting SMART passengers with jobs, education centers, retail hubs and housing along the Sonoma-Marín corridor, that also includes a bicycle-pedestrian pathway.

About Netwoven

Netwoven is a Professional Services firm specializing in the Microsoft Cloud. The company works in several areas including Intelligent Communication, Data and AI, ERP and CRM, Cloud Infrastructure, and Cloud Applications to deliver solutions to Large and Medium sized customers.

Business Situation and Challenges

As a transportation company, SMART required a reliable, responsive and updated infrastructure to provide optimal services to public commuters. Their internal collaboration and infrastructure required constant monitoring and up keeping so that their employees could focus on their main business – **'Transportation'**.

Netwoven has been a long-standing partner to SMART for almost a decade and stood all along their transitions from their Native On-premise Infrastructure to Hybrid Public Cloud Infrastructure. We have been successful in making key implementations and help achieve higher ROI for their Infrastructure costs in the following areas.

- Upgrade domain and forest level of AD domain from Windows 2008 to Windows 2012 R2
- Decommission out of warranty PDC and another DC in the process
- Transition with no or minimal downtime



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Netwoven has proven to be an outstanding partner in envisioning and implementing creative solutions for our Agency. They consistently deliver projects on time and on budget making planning much simpler. Netwoven's reliability and expertise on multiple levels has enriched our relatively small IT staff's ability to maintain a productive environment.

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Dan Hurlbutt

IT Manager,
Sonoma Marin Area Rail Transit

Business Needs

- DHCP and Primary Domain Controller (PDC) migration with scope, reservations, and leases
- PDC having operating system Windows 2012
- Presence of Multiple location wise Domain Controllers with Windows 2012 R2
- Issues with Directory sync in certain locations
- The risk for Time Sync issue with NTP

Solutions

- Prepare and configure Windows Server 2016 and make it PDC
- Export DHCP from Old PDC to New Windows 2016 PDC with scope, reservations, and leases
- Domain and Forest Roles Migration from Old PDC to New Windows 2016 DC
- Demote Old PDC and Demote another DC as planned
- Upgrading functional level of new Windows 2016 DC

Results

- Robust, up to date Active Directory infrastructure
- Upgraded Physical infrastructure for better business continuity.
- Getting rid of persistent issues with higher reliability and uptime.
- Enhanced Directory features now available to SMART IT.