

CASE STUDY

Secure Migration of California's Leading Property Tax Platform to Azure GovCloud

AIS Network has been a longtime partner of Megabyte Systems, providing secure hosting, full-stack operations, and maintenance for MPTS. AISN migrated the platform from a private cloud to a hybrid Azure GovCloud environment and added serverless components to the VM stack, improving performance, security, and regulatory compliance while ensuring uninterrupted service for county governments. The environment aligns with NIST 800-53, CIS benchmarks, and California standards, with tailored security policies and ongoing vulnerability assessments, penetration testing, and support.

Client

For over 40 years, Megabyte Systems has provided California's leading property tax software, the Megabyte Property Tax System (MPTS), used by over 35 counties to manage property assessments and collections. Handling billions in annual tax revenue, MPTS is critical to county-level fiscal operations across California.

Challenge

To meet evolving regulatory mandates and support growth, Megabyte needed to transition MPTS to the security and resilience of Azure GovCloud, while maintaining performance and high-availability. Key requirements included robust access controls, disaster recovery, and vulnerability management aligned with NIST 800-53, CIS benchmarks, and California cybersecurity standards. With more than 35 California counties relying on MPTS daily, zero downtime was imperative.

Solution

AISN assessed MPTS's architecture, usage patterns, and dependencies to design a robust Azure GovCloud platform that integrates a serverless architecture with hardened virtual machines, a segmented network, and Azure-native tools for backup, logging, and threat detection. The team used a non-production system to validate functionality, performance, and security before a flawless production cutover that ensured no disruption to county services. AISN implemented role-based access controls, reCAPTCHA, endpoint protection, and ongoing patching and vulnerability assessments, and delivered comprehensive documentation and training.

Results

MPTS now operates securely and efficiently in Azure GovCloud, delivering improved scalability, resilience, and adherence to public sector standards. The migration was completed with minimal downtime, maintaining full service for more than 35 counties. MPTS benefits from a modernized cloud platform with real-time monitoring, automated backups, and proactive vulnerability remediation. With AISN's continuous full-stack operations and cybersecurity support, Megabyte is poised to scale MPTS and meet California's evolving tax administration needs in the years ahead.

