



# Enterprise builds airgapped Azure environment for business continuity

Enterprise client proactively engaged to build tertiary airgapped environment to safeguard against ransomware threats. Bonelli Systems built 50+ servers from ground up across 20+ fully segmented virtual networks, deployed complete Microsoft Defender XDR and Sentinel stack,

implemented Entra Domain Services, Intune, CIS Benchmarks, and Purview compliance, and migrated 100TB of database data to Azure SQL Managed Instances — all in completely isolated environment. Result: comprehensive ransomware resilience with unified security operations.

## At a glance

**Customer:** Enterprise Financial Services Organization

**Website:** Confidential

**Customer size:** 3,000+ employees

**Country:** United States

**Industry:** Financial Services

**Products and services:** Microsoft Azure, Microsoft Defender XDR, Microsoft Sentinel, Azure SQL Managed Instances, Entra Domain Services, Microsoft Intune, Microsoft Purview



**Bonelli Systems**

<https://bonellisystems.com> | [sales@bonellisystems.com](mailto:sales@bonellisystems.com) | 469-518-6987

18383 Preston Road, #202, Dallas, TX 75252

# Bonelli Systems, Enterprise Client, and Microsoft Azure Security

## Customer challenges

Enterprise needed proactive business continuity strategy to safeguard against ransomware threats. Firm required complete tertiary environment — fully airgapped from production — that could serve as secure fallback. This environment needed its own identity infrastructure, security stack, compliance controls, and database capacity, built from scratch in fully isolated Azure deployment. Zero downtime requirement for mission-critical operations.

## Partner solution

Bonelli Systems designed and built complete airgapped environment: 50+ servers across 20+ segmented vNETs, Entra Active Directory Domain Services for identity, full Defender XDR suite (Endpoint, Identity, Office 365, Cloud Apps), Sentinel for SIEM/SOAR, Intune for device management, CIS Benchmark enforcement, and Purview for data classification and compliance. 100TB of data migrated to Azure SQL Managed Instances with redundancy. Complete isolation maintained throughout.

## Customer benefits

Enterprise gained fully operational tertiary environment completely airgapped from production, providing robust ransomware resilience. Environment includes its own identity, security, compliance, and data infrastructure — all built to CIS Benchmark standards with complete Microsoft security stack deployed and operational. Full restore capability validated. Unified security operations enabled rapid threat detection and response. Business continuity assured.

- ✓ 50+ production servers built from ground up in fully airgapped Azure environment with 20+ segmented vNETs for complete isolation and micro-segmentation.
- ✓ 100TB of database data migrated to Azure SQL Managed Instances with full redundancy and backup automation. Compliance controls enforced throughout.
- ✓ Complete Microsoft security stack deployed: Defender XDR, Sentinel SIEM/SOAR, Intune, CIS Benchmarks, Purview. Unified operations established.



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