MISSION-CRITICAL INFRASTRUCTURE MODERNIZATION

Securing Host Integration & Legacy Terminal Emulation with Rocket Software (Rumba)

Executive Overview: TECBOMO partnered with the Maryland Health Benefit Exchange (MHBE) to modernize host integration workflows and ensure secure terminal emulation across mission-critical systems. By deploying and optimizing Rocket Software's Rumba solutions, TECBOMO helped MHBE maintain high-availability mainframe access, comply with rigorous health data security policies, and enhance caseworker productivity.

OPERATIONAL & TECHNICAL CHALLENGES

- **Continuous Data Availability:** State caseworkers and technical personnel require uninterrupted, low-latency access to core backend host architectures to process eligibility and health plan enrollment.
- **Strict Security & Compliance Mandates:** Operating a state health marketplace requires adherence to strict data privacy and zero-trust guidelines (including HIPAA), necessitating encrypted transport and centralized access governance.
- **Legacy Interoperability:** MHBE required a modernization path that bridged legacy mainframe infrastructure with modern desktop environments without system disruption or workflow latency.

THE TECBOMO SOLUTION

- **End-to-End Rumba Emulation Deployment:** Configured and delivered Rocket Software (Rumba) terminal emulation software, ensuring high-fidelity host communications across enterprise environments.
- **Hardened Security & Transport Encryption:** Enabled modern encryption layers and role-based access protections to safeguard sensitive beneficiary records in transit.
- **Optimized Caseworker Workflows:** Streamlined terminal navigation and automated recurring operations, reducing human error and accelerating citizen case resolution.
- **Lifecycle Governance & Procurement:** Provided seamless software procurement, license alignment, and deployment assurance to optimize operational total cost of ownership (TCO).

BUSINESS IMPACT & OUTCOMES

KEY AREA	RESULT & VALUE DELIVERED
Regulatory Compliance	Upgraded connection security with modern cryptographic protocols, directly satisfying state-level health data privacy standards.
Operational Continuity	Delivered zero-downtime transition, supporting 24/7 reliability during high-volume Open Enrollment cycles.
User Productivity	Standardized terminal interface across teams, cutting navigation steps and accelerating claim/eligibility lookups.
Future-Proofed Architecture	Established a stable, secure bridge between state legacy host backends and expanding cloud workflows.

TECBOMO bridges complex enterprise backends with citizen-first government delivery—enabling state agencies to maintain compliance, enhance uptime, and optimize technical investments.