

UC Irvine Health: Securing Tomorrow's Healthcare, Today

Proactively Shielding Patient Data across a Complex Cloud, SaaS, and On-Prem Terrain

UCI Health

INDUSTRY

Healthcare

PRODUCTS

- Enterprise Data Protection
- Microsoft 365 Protection
- Anomaly Detection
- Sensitive Data Monitoring
- Threat Hunting

CHALLENGES

- Balancing modern IT adoption with the introduction of new vulnerabilities
- The threat of cyberattacks compromising patient care continuity
- Ensuring rapid data recovery in case of incidents

RESULTS

- Effective data protection and recovery with Rubrik
- Regular tabletop exercises enhancing preparedness
- Streamlined recovery processes based on run books and real-time simulation

UC Irvine Health, a premier Level I trauma center located in Orange County, California, serves over three million patients with a robust array of medical services. Facing the critical imperative of maintaining seamless patient care while mitigating cyber threats, UC Irvine Health's approach to cyber resilience offers a blueprint for healthcare organizations navigating the digital age.

MODERNIZING HEALTHCARE WITHOUT COMPROMISING SECURITY

The biggest challenge for healthcare organizations like UC Irvine Health is balancing the adoption of modern IT systems with the risk of introducing new vulnerabilities. As Jim Davis, Chief Technology Officer and VP of Technology at UC Irvine Health, succinctly puts it, "The healthcare sector's rapid IT development means that both operational improvements and cyber risk mitigation must occur concurrently. As IT departments deploy new technologies, understanding and addressing potential risks immediately becomes imperative. Failing to do so can lead to sleepless nights fraught with the threat of cyber intrusion and data loss, which could endanger patients from receiving critical healthcare."

To bolster its defenses, UC Irvine Health has embraced advanced cybersecurity solutions that prioritize quick recovery and minimal disruption. Davis underscores the pivotal role of Rubrik's data protection platform in their strategy. "Rubrik stands out as the key star within our portfolio. Its capabilities, especially SaaS Data Protection for Microsoft 365, have transformed not only how we manage data backup and recovery, but also data security and cyber resilience. Whether it's a malicious incident or not, we have a tool now that can save us and make IT heroes."

Rubrik offers UC Irvine Health a robust mechanism for safeguarding data and ensuring rapid recovery. With Rubrik SaaS Data Protection for Microsoft 365, the hospital can swiftly recover data, even in scenarios where typical measures fall short. For instance, when a physician accidentally deleted all their emails and went on vacation, Rubrik allowed a complete recovery of a decade's worth of critical emails near-instantaneously upon their return.

CYBERSECURITY IN ACTION: SIMULATING, PREPARING, AND RESPONDING

Rubrik has significantly strengthened UC Irvine Health's cybersecurity posture. The hospital's preparedness is further augmented through regular tabletop exercises that simulate various cyber-attack scenarios. "We conduct active tabletop exercises involving not just IT, but security and operational groups as well," Davis explains. "This helps us identify challenges, address gaps, and understand the real timelines for recovery."

These exercises serve multiple purposes: training teams, identifying vulnerabilities, and establishing a clear recovery protocol. The hands-on experience of these drills ensures that all departments are aligned and ready to act swiftly during a real incident.

Moreover, prioritizing essential systems is a critical aspect of UC Irvine Health's strategy. Davis elaborates, "We categorize applications from tier zero, like power or water,

which are essential. This helps us restore crucial services first and maintain operational continuity for our patients."

UC Irvine Health's comprehensive approach to cyber resilience is rounded off by strong collaborative efforts between security and IT teams. "It's crucial to work together, and putting differences aside to come together as one team ensures we can deliver those critical services quickly and effectively," concludes Davis.

“Rubrik’s platform offers us the confidence to quickly recover and maintain our commitment to patient care, making it a cornerstone of our cyber resilience strategy.”

Jim Davis,
Chief Technology Officer and VP of Technology, UC Irvine Health



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Rubrik (NYSE: RBRK) is on a mission to secure the world's data. With Zero Trust Data Security™, we help organizations achieve business resilience against cyberattacks, malicious insiders, and operational disruptions. Rubrik Security Cloud, powered by machine learning, secures data across enterprise, cloud, and SaaS applications. We help organizations uphold data integrity, deliver data availability that withstands adverse conditions, continuously monitor data risks and threats, and restore businesses with their data when infrastructure is attacked.

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