

Redjack for Utilities

The insight you need to protect your organization and customers

Cybersecurity is an increasing concern for utility companies, extending beyond the organizational level to the national level. Utilities—including water, energy, communications, and other essential services—are classified as critical infrastructure by the U.S. Cybersecurity and Infrastructure Security Agency (CISA). The recent National Security Memorandum on Critical Infrastructure Security and Resilience, issued by the White House on April 30, 2024, underscores the critical importance of safeguarding America’s vital infrastructure. In fact, according to the [IBM X-Force Threat Intelligence Index 2024](#), 69.6% of attacks that X-Force responded to in 2023 were against critical infrastructure organizations.

Utilities face several significant cybersecurity challenges. They contend with state-sponsored actors employing advanced persistent threats (APTs) and ransomware. Supply chain vulnerabilities pose another threat, as dependencies on third-party vendors and suppliers create exploitable weak points. Additionally, legacy systems and infrastructure, often outdated and unpatched, lack modern security controls and comprehensive oversight. Operational technology (OT) security is also a concern, as systems originally designed without internet connectivity are now online, leaving them inadequately protected. Furthermore, the increasing concern over cyberattacks has led to a rise in compliance and regulatory requirements, adding another layer of complexity to utility companies’ cybersecurity efforts.

Redjack gives you the comprehensive view of assets and dependencies you need to empower your cybersecurity, compliance, and digital transformation efforts and create a more cyber-resilient organization.

Highlights

- Revolutionize asset inventory by adopting a business function perspective
- Lightweight sensors quickly compile a comprehensive list of assets
- Prioritize assets based on their resilience and criticality
- Identify potential points of failure within your environment
- Restore essential functions effectively in the face of incidents or disasters

How does it work?

Redjack revolutionizes asset inventory by adopting a business function perspective. It works by deploying lightweight sensors across your IT infrastructure, including cloud and on-premises. These sensors analyze communication patterns and device behavior, enabling comprehensive asset discovery and gathering detailed dependency data. The platform aligns assets with your critical business functions, shifting your focus from IT-centric asset management to a business-centric perspective. Redjack prioritizes assets based on their resilience and criticality, facilitating rapid recovery and business continuity planning. By continuously monitoring changes in the IT environment, Redjack ensures decision-makers have the real-time insight they need for informed, timely decisions, ultimately enhancing organizational resilience and reducing risk.



Superior Asset Visibility

The asset inventory is dynamically updated in real-time for both internal and external assets whether in the cloud, on-premises, or containers.



Build Effective Cyber Resilience

AI-enabled critical business function and asset mapping, based on observed behavior, helps you prioritize your security efforts and allocate resources accordingly.



Spot Risks

Identify dependencies, unsecured assets, shadow IT, and other risks and prioritize them based on business impact.



Lightweight & Massively Scalable

Built for the enterprise it is massively scalable, quick to deploy, has a minimal footprint, and supports complex and evolving hybrid environments.

Product Features

Comprehensive asset discovery

Redjack sensors are compatible with various environments, including cloud platforms (Microsoft Azure, AWS, GCP), hybrid, on-premises, and containerized environments like Kubernetes and VMware. These sensors efficiently collect communication data to identify assets and their dependencies, thereby eliminating the need for manual asset discovery. Since the sensors operate independently of agents installed on assets, they can detect any asset communicating within your environment, including legacy systems and OT devices.

Identify asset resilience & criticality

Redjack assigns both a resilience score and a criticality score to assess the importance of assets and business functions, as well as to understand their potential business impact in case of downtime.

The resilience score measures three key factors: isolation (how difficult the asset is to access), hardness (how easy it is to compromise once accessed), and redundancy (how well the network would continue to function if the asset goes down). These scores can be improved by implementing mitigation strategies.

The criticality score, on the other hand, evaluates the importance of an asset to the overall business function. Assets with high criticality and low resilience scores should be prioritized in disaster recovery, patch management, triage planning, and other business continuity-related exercises.

Identify connections to third parties

Redjack identifies all assets communicating with your environment, including third-party systems, addressing a critical concern for utilities: supply chain vulnerabilities. These vulnerabilities pose significant threats, as dependencies on third-party vendors and suppliers create exploitable weak points. By identifying these connections, Redjack gives you the visibility you need to mitigate the risks associated with supply chain dependencies, enhancing the security and resilience of your infrastructure.

The screenshot displays the Redjack interface for an asset named 'scontent.cdninstagram.com'. The interface includes a sidebar with navigation options like 'Business Functions', 'Assets', 'Rule Management', and 'General'. The main content area shows the asset's details, including its first and last seen dates, IP address, OS, ports, and responsible party. Below this, there are three key metrics: Resilience (54, Medium), Criticality (#489 out of 2340), and communication statistics (400,000 bytes per day Total, 250,000 bytes per day Inbound, and 100,000 bytes per day Outbound). A 'Relationships' section shows a connection to 'Database Services' and a 'Change Log' table at the bottom.

Name	Date	Actions

Benefits

Identify points of failure

The Redjack platform identifies potential points of failure within your environment, ensuring that you are alerted to points where a vulnerability or disruption could significantly impact your operations. This allows you to address critical issues before they escalate, helping you maintain the stability and resilience of your infrastructure.

Evidence-based proof

When making strategic decisions, having evidence-based information is crucial. The Redjack platform provides insights grounded in solid evidence. It also gives you visibility into your connections with external organizations with verifiable data so that you can assess third-party risk. Unlike other solutions that lack substantiation, Redjack ensures transparency by providing proof to support all claims made within the platform.

Enable resilience

The Redjack platform provides you with evidence-based data about how your environment truly functions, enabling you to conduct live disaster recovery tests. It allows you to seamlessly restore critical business functions involving thousands of IT assets in the event of a disaster. The Redjack platform empowers you to maintain operations and restore essential functions effectively in the face of incidents or disasters.



“If you want to know how the environment works, the last place you should look is the shared drive for the system administrator. Figure out for yourself what’s going on because the people who manage it don’t know.”

— Executive Vice President of Risk,
Retail Industry Customer

About Redjack

Redjack delivers total asset and dependency visibility and AI-powered business insights for cyber resilience. Our platform empowers enterprises to safeguard vital business functions, meet cyber regulatory standards, and digitally transform to align with business objectives.

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