



Resilience Assurance for Public Cloud

Outages, Data Loss and Security Breaches Can Be Prevented

Our SaaS offering proactively detects misconfigurations and eliminates outages across your public cloud environments

Cloud environments are the new normal. The data bear this out and show that 94% of companies use the public cloud, 69% make use of at least one public and one private cloud, while 84% of enterprises have a multi-cloud strategy.* The cloud makes it simpler than ever to set up, grow and manage environments, develop applications, and deliver services.

But, as IT professionals well know, the cloud's ease and simplicity cover enabling technology that is complex, multi-layered and interdependent. Assuring reliability and security of these environments is a multi-faceted challenge and one for which the enterprise, not the cloud provider, is ultimately responsible.

All major cloud providers keep pushing new improvements, innovative features, capabilities and services at a pace not seen before. Practically, it is impossible for human IT teams to be aware of all recent vendor and industry best practices, and to know how changes impact uptime, resilience and security, especially since it is unfeasible to test the stability and quality of each change.

In this kind of highly complex technology environment, with a large volume of ongoing changes and thousands of ever-evolving best practices, it's almost impossible to manually identify risks, and thus, misconfigurations are a natural result.

Challenges to resilience, resulting from technology, must be resolved by technology. Continuity Software's AvailabilityGuard NXG™ solution tackles and solves the challenges to resilience described here. It automatically and proactively detects risks and misconfigurations across all layers including virtual machines, containers, networks, load balancers, databases, cloud storage, DNS, and more *before* they lead to service disruptions or outages and impact business. AvailabilityGuard NXG's powerful risk detection engine runs analyses against an unequalled knowledge base of hundreds (and growing) of best practices from vendors, industry and power-users, and employs machine learning algorithms to gain visibility into the public cloud environment and configuration. This process pinpoints problem areas and enables their repair before they erupt into full-blown costly disruptions to business. It's secured, non-intrusive and proactive.

* RightScale, 2019 State of the Cloud Report.

Technology Partners



Key Solution Benefits

- Prevent outages and data-loss incidents for multi-cloud environments before they impact business
- Proactive resilience validation as part of a modern CI/CD pipeline
- Facilitate automated self-healing to achieve greater reliability and security and decrease operational costs
- Ensure secured configuration



Used by Leading Enterprises Worldwide, AvailabilityGuard NGX™ is Built on Four Pillars



Continuous & Proactive Resilience Assurance for Public Cloud

Continuity Software's best-in-class resilience assurance solution proactively scans the entire public cloud environment to detect risks to resilience and single points of failure. This continuous and event-driven process improves reliability and ensures the highest levels of availability since risks are detected and resolved in a timely manner, before they escalate into costly service incidents.



Support for Multi-Cloud Environments

Our solution meets the challenges of ever more complex multi-cloud environments that can include AWS, Azure or a mix of these. The solution automatically scans and inspects for cross-domain and in-layer resiliency risks and conducts checks for misconfigurations that could affect availability and recoverability. The solution is agentless, secured and non-intrusive, and executed in read-only mode, ensuring that customer data is undisturbed.

About Continuity Software

Founded in 2005, Continuity Software helps the world's leading organizations, including 6 of the top 10 US banks, to achieve resilience in every type of IT environment. Our solutions proactively prevent outages and data loss incidents on critical IT infrastructure. As a result, unplanned infrastructure outages are reduced by an average of 80% and configuration errors are resolved before they turn into costly service incidents. Our proven technology and methodology now encompass cyber resilience. Our solutions protect mission-critical data residing in vulnerable storage systems against cyberattacks, prevent data loss, and ensure data recoverability.



Deep Knowledge

Information gathered in the scan process is compared against a vast knowledge base of hundreds of industry, vendor and community-driven best practices to support continuous uptime and availability. Use of a massive and comprehensive knowledge base is based on proven methodology successfully implemented in our solutions. Here, too, the knowledge base continually accumulates more best practices and user input so that risks to uptime inherent in increasingly complex multi-cloud and hybrid environments can be easily pinpointed and resolved.



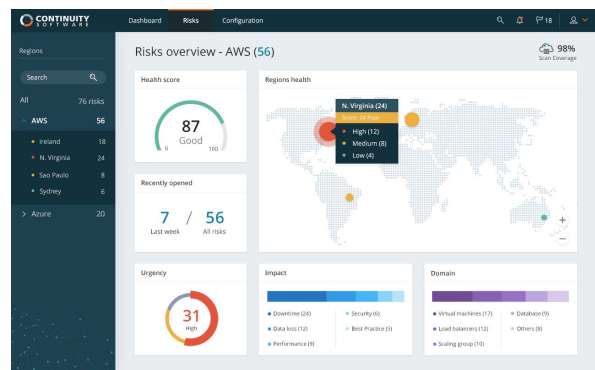
Visibility & Control

Managers, DevOps and Application Dev teams gain visibility and control in three major ways, all of which contribute to operational excellence and improving key performance indicators.

First, a clear, intuitive dashboard provides an enterprise-wide view of resilience and health scores, and includes drill-down ability. Risks are ranked in terms of urgency and impact to business, performance, and more.

Second, information about risks discovered are automatically delivered to relevant teams and business owners, along with guidance for repair. Incidents can be integrated with existing ITSM tools.

Third, automatic resilience validation becomes an integral part of CI/CD and DevOps processes, and new apps and services implementations.



Dashboard: Resilience risks by region and business impact.

