

Prevent outages and data-loss incidents on AWS



Challenges

Reliability Challenges in your AWS environment

In a highly complex multi-cloud environment, new services and features are introduced all the time. In maintaining cloud environments, in-house and third-party DevOps teams are all involved in executing changes and updates. Some of these new features, changes and updates, can negatively affect the environment in unpredicted ways, lead to misconfigurations and potentially, to downtime or data-loss incidents in the cloud environment.

Achieving reliability in your AWS environment under such conditions is a real challenge especially since it's almost impossible to manually identify misconfigurations that can lead to downtime and data-loss.



AvailabilityGuard NXG™ for AWS

Achieving reliability in your AWS environment

AvailabilityGuard NXG™ automatically and proactively detects misconfigurations that can lead to downtime and data-loss risks 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.

A built-in risk detection engine based on deep knowledge and utilizing machine learning algorithms identifies single-points-of-failure before they impact business. A detailed description of the problem and the recommended path for resolution are presented to the appropriate team so that they can take immediate remediation action.

Benefits

60% of the top US banks use our knowledge-driven IT configuration analysis to prevent outages and data-loss.



Prevent Outages

Prevent outages incidents for multi-cloud environments before they impact business.



Prevent Data-Loss

Identify misconfigurations and protect data before it is lost, unrecoverable, damaged, or stolen.



Shift Left on Cloud Infrastructure Availability

Eliminate risks as soon as possible as part of a modern CI/CD pipeline and reduce cost compared to fixing flaws in production.



Facilitate Automatic Healing

Facilitate automated self-healing to achieve greater reliability and decrease operational costs.

AvailabilityGuard NXG™ and AWS – Better Together

Companies whose cloud environments are based on AWS may see fewer disruptions and outages, but each one still has a significant impact on the business.

Although AWS does its part to maintain its infrastructure and services, it's the customers' responsibility to architect, assemble, configure and operate the environment properly as a cohesive solution and ensure its availability. However, this is practically impossible without automation.

AvailabilityGuard NXG™ solution automatically and proactively detect risks and misconfigurations across all components of your AWS environment leading to 80% reduction in unplanned infrastructure outages.

Features



Deep Knowledge

Our powerful risk detection engine runs analyses against an unequalled knowledge base of 300+ (and growing) rules of best practices from vendors, industry and power-users, and employs machine learning algorithms to gain visibility into the AWS environment and configuration. This process pinpoints problem areas and enables their repair before they erupt into costly disruptions to business.



Visibility and Control

IT executives are looking for ways to continuously improve reliability of their AWS environment, hence they need visibility and control that contribute to operational excellence and improving KPIs. The AvailabilityGuard NXG™ intuitive dashboard allow IT executives and team leaders to keep their finger on the pulse of multiple and geographically dispersed cloud environments. The dashboard provides immediate visibility into risks to availability and data throughout the enterprise's entire IT cloud infrastructures, along with the potential impact each risk may have on critical business services.

Case Study: A leading provider of financial technologies and services



Challenges

The customer was determined to deliver the highest levels of availability for their mission-critical workloads running on AWS. To address these resilience challenges Continuity Software was invited to initially check a subset of the production environment using our Free Trial plan over 14 days.



Solution

The environment scanned included 1 AWS account with 468 EC2 instances, 166 load balancers and 4 RDS instances. AvailabilityGuard NXG™ revealed 276 risks, including significant risks to downtime and data-loss.



Results

The customer is now expanding the AvailabilityGuard NXG™ deployment to continuously protect its entire production and staging environments. Using AvailabilityGuard NXG™, they are able to validate and improve the operational resilience of critical workloads, avoid data-loss and ensure that the highest levels of resilience will be continuously maintained.

Get started with AvailabilityGuard NXG™ for AWS

Visit [AvailabilityGuard NXG on AWS Marketplace](#) to subscribe or get started with a [Free Trial](#) today.