vArmour

APPLICATION DEPENDENCY & RELATIONSHIP MAPPING SOLUTION BRIEF

Business Challenge: Securing and Managing Large Numbers of Enterprise Apps

Across the economy, organizations are responding to the increasing pace of business by running apps in public clouds, as well as in private data centers. This approach can reduce costs and enable an organization to only pay for what it uses. But such flexibility often comes at a price: walled gardens of data and information that are cut off from each other and a dangerously opaque enterprise architecture. An organization may not be aware of how the failure of one app can impact other apps.

In a complex multi-cloud environment, it can be expensive and time-consuming for an organization to manually audit its apps, resulting in inconsistent security policy and lengthy compliance assessments. Manual mapping of the enterprise architecture generally fails to identify app dependencies, leaving the organization uncertain about the knock-on effects of any incident or failure. The end result: significant security and compliance risks.

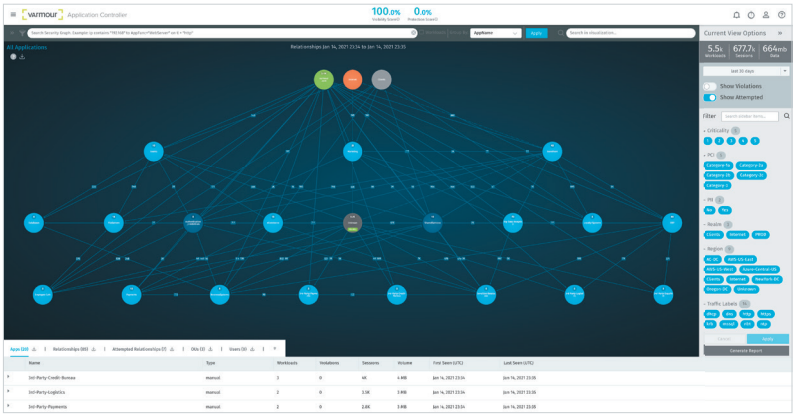

Figure 1. Visibility of app relationships and dependencies for real-time insights, assisting in secure cloud migrations, and increasing app resiliency.

Why vArmour?

Broad and deep

vArmour is the only solution available that can visualize app relationships across every environment with an unprecedented app-to-app view, supplemented by an ability to drill into apps of interest down to the individual workloads providing service.

Easy to deploy

Unlike solutions that rely on agents or appliances, vArmour is an agentless and agnostic platform that can be deployed in hours, and can be scaled across any environment without disruption.

Clear and comprehensive

vArmour is the only vendor that seamlessly processes and synthesizes disparate telemetry data from existing IT investments across multi-cloud environments. By generating a clear and easy-to-understand graph of apps' relationships, the Application Policy & Protection Module enables an organization to rapidly harness the power of its platforms.

Product and Module

Application Controller
Application Policy & Protection Module

vArmour's Application Dependency & Relationship Mapping Solution

Ideally, an organization should have a complete picture of its apps and how they interact across every cloud environment. vArmour's Application Controller includes a module that can quickly discover and visualize applications and their relationships across an entire IT estate in near real-time. The Application Policy & Protection Module can show every application in every environment, providing a uniquely comprehensive view of how apps interact with each other. With accurate, up-to-date insights into app relationships and dependencies, organizations can improve operational decision-making and reduce business risk and vulnerabilities across multi-cloud environments. As a result, their apps (and their revenues) will be more resilient.

Easy to deploy and scale without disruption to apps or users, the cost-effective module can quickly identify any security issues and ensure compliance with regulatory requirements. As well as saving significant time and resources, it provides fine-grained visibility and control from the entire app portfolio down to the individual workload. With flexible filters, search and contextual tools, the module begins to generate value from the moment it is installed.

Key use cases

Discovering and visualizing app relationships

Trying to manually map the relationships and dependencies between cloud-based apps can take months and the end-result is often incomplete. Errors creep in, resulting in business risk and security vulnerabilities.

By contrast, vArmour's highly-scalable solution can generate a comprehensive view of very large numbers of apps and their relationships in hours. Providing a near real-time continuous view of all the apps employed by an organization, the solution can be used to quickly drill down, filter and search for the individual workloads providing services.

Securely migrating apps to public clouds

Migrating apps to public clouds can unwittingly decouple apps that are dependent on each other, breaking functionality that is critical to the smooth operation of the business.

By enabling an organization to quickly visualize and understand app relationships and dependencies, vArmour's solution allows cloud migrations to be simulated in advance and the impact assessed up front. It can also be used to quickly identify dependent systems so they can all be moved together, speeding up the migration. Further, vArmour solution can be used to maintain consistent security policies and compliance across cloud environments.

Bolstering app resilience, availability and performance

If an organization is unaware of the relationships between its apps, making changes to a seemingly innocuous app can have major knock-on effects, curbing revenue and/or leading to compliance and policy violations.

As it can quickly visualize app relationships, vArmour's solution can be used to model and optimize recovery time objectives (RTOs) across the entire app estate. An organization can use the solution's visualization, alert and search functions to identify RTO mismatches, previously unknown workloads, and critical outstanding common vulnerabilities and exposures (CVEs). That information can be used to develop policies, such as where apps need to be located, and prioritize remediation to minimize the overall impact of an app failure on the business. The net result is more resilient and secure apps, a reduction in downtime and greater customer satisfaction.