

DenyAll introduces User Reputation Scoring innovation

DenyAll announces new versions of its application security products. Innovations in ease of administration and security are at the core of this new generation of products. In the fight against online fraud and identity usurpation, User Reputation Scoring takes User Behavior Analysis to the next level, enhancing the ability to secure how Web applications are accessed and used.

As DenyAll gets ready to participate in several industry events, namely les Assises de la Sécurité in Monaco, it-sa in Nürnberg, Govware in Singapore and Gitex in Dubai, the application security vendor announces a series of new product releases:

- **DenyAll Vulnerability Manager 6.0** – released in September,
- **DenyAll Web Application Firewall 6.0** – released in October,
- **DenyAll Web Services Firewall 6.0** – released in October,
- **DenyAll Web Access Manager 6.0** – released in October,
- **DenyAll rWeb 4.2** – released in October,
- **DenyAll Cloud Protector 2.0** – released in Q4.

The common themes for new features delivered across these releases are ease of administration and security innovation.

Users Reputation Scoring: the next step in User Behavior Analysis

For years, DenyAll Web Application Firewalls (WAFs) have embedded advanced security features to block attacks targeting the applications' business logic. Referred to as **User Behavior Analysis**, the purpose of these features is to sort out robots from actual people and control how the latter use their access rights. Blocking legal yet malicious requests sent to web applications, *User Behavior Analysis* has proved to be effective at preventing application-layer denial of service attacks, authentication brute force, cookie theft, website defacement and other data theft attempts.

To increase the effectiveness of WAFs in the fight against online fraud and identity usurpation, DenyAll is taking the approach to the next level and embedding the concept of **User Reputation Scoring** in the fabric of its products. The idea is to assess the level of trust an organization can have in any given user, by computing a reputation score based on several data points, including the person's contextual behavior over time, and to enable policy decisions to be made based on that score. The calculation takes into consideration how the person is accessing and using the application (authentication method, accessed pages, time spent, geolocation, attempted attacks, etc), and threat intelligence data, such the reputation of the IP address used to connect to the application.

A user's reputation score will increase or decrease as their usage of an application evolves. For example, when a user's credentials are used to connect from an unusual location, the score may be slightly degraded. It will further decrease if the same credentials are used from several distant locations in a short period of time, or if the user is indeed attacking the application. As the reputation score reaches certain thresholds, the WAF will generate alerts and take defensive actions, such as redirecting, restricting or even denying access to that user, at least temporarily, until the situation is analyzed by a security professional and a more permanent decision is made.

“We believe User Reputation Scoring will be a key feature of NextGen WAFs, beyond what User Behavior Analysis has been able to offer until now”, says Stéphane de Saint Albin, DenyAll Chief Marketing Officer. **“The increased intelligence and ability to adjust to a changing user context and behavior will make application security more relevant than ever”,** said the DenyAll spokesperson. The User Reputation Scoring scheme is built into DenyAll rWeb 4.2 and will be added to version 6.1 of DenyAll Web Application Firewall, due to release in 6 months.

Ease of administration enables effective security

A number of improvements brought to the new product releases focus on ease of administration, a key differentiator for DenyAll, together with security innovation. New monitoring capabilities, based on a Web-based interface, are included in version 6.0 of DenyAll Web Application Firewall, DenyAll Web Services Firewall and DenyAll Web Access Manager. More monitoring and reporting enhancements will be made in upcoming releases. These products also leverage a new version of the CentOS-based DenyAll Operating System (DAOS), which provides increased flexibility for deployment in virtual environments.

DenyAll Vulnerability Manager version 6.0 delivers meaningful manageability enhancements for larger organizations dealing with multiple networks. Based on a large customer’s request, the concept of a local probe has been enabled, together with central deployment and reporting capabilities. The probes will scan networks, systems and applications locally, report to a central repository, inside the customers’ network.

Upcoming Webinars

Vincent Maury, DenyAll CTO, will be discussing the *User Reputation Scoring* innovation during a new **CTO Talk Webinar Series** on October 21 and 22. Please register on www.denyall.com.

About DenyAll

DenyAll is a software vendor and an expert in application security. Building on 15 years of experience securing web applications and services, the company keeps on innovating to meet the needs of organizations of all sizes, worldwide. Its products **detect** IT vulnerabilities, **protect** infrastructures against modern attacks targeting the application layer and **connect** users to the applications which allows them to create and share information. The company leverages an ecosystem of value-added resellers, outsourcers, hosters and cloud providers. A member of the Hexatrust alliance, DenyAll partners with other vendors to deliver innovative, integrated solutions. Look for more information on www.denyall.com.

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