tufin The Security Policy Company.

Tufin is a global cybersecurity specialist based in Boston and Tel Aviv.
The company provides visibility into security controls across on-premises, hybrid and multi-cloud environments. This approach allows clients to accelerate their cloud migration programs, inject security into DevOps pipelines, and centrally manage security policies across complex environments.

Industry

Security

Strategic priorities

- Cloud Infrastructure

VMware footprint

- VMware® Aria Automation™
- VMware Aria Operations™
- VMware Aria Universal Suite™
- VMware Professional Services

Tufin Improves IT Infrastructure by Empowering Developer Autonomy

Tufin simplifies the complexity of enterprise security for some of the world's largest companies, a task complicated by the rise of cloud platforms and the adoption of IoT. Tufin uses VMware Aria Automation and VMware Aria Operations to support a dynamic developer culture, fueling service innovation and feature refinements, yielding a business more closely integrated with its customers and uniquely poised to address new security vulnerabilities.

Protecting large enterprises from cyberattacks

To be a market leader in the technology sector, it's not enough to launch products in line with market demand. Companies need to be at the cutting-edge of innovation, pioneering next-generation solutions to mitigate challenges before the customer knows they exist. That's why at Tufin, R&D is at the heart of the business.

The company was founded in 2005 after identifying an opportunity to orchestrate enterprise security policies. Tufin provides security policy management for some of the world's largest companies. Its challenge is to keep up with customer demands as security requirements expand. This was a complex job in 2005 and it has grown considerably more complex since.

"Enterprises are rapidly adopting cloud and IoT," says Raj Motwane, senior vice president, global services and operations, Tufin. "The result is more complex, fragmented networks and a huge attack surface."

"For enterprise organizations, the cloud is not a strategic choice anymore, it's an imperative. We need the freedom to work in any cloud. The range of cloud-first features and functionality VMware is developing will enable us to work across a multi-cloud reality, today and into the future."

Raj Motwane, Senior Vice President, Global Services and Operations, Tufin

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The company's reputation hinges on being able to build solutions that address speed, scale and complexity. While there were few players in the space when the company was founded, today there's a world of competition and R&D needs to move quickly.

"We don't just want to sell a security management platform. We want to show our clients how to get the most out of the platform's features. The tighter we can integrate with a client, the stronger our business," says Motwane.

Tufin also wants to be the first to market with new features, which need to be thoroughly tested before moving to production. But the company's existing IT was not fast or agile enough to keep pace with R&D requirements. Slowed by high dependence on physical infrastructure and its operational complexity, the company needed a more dynamic approach to software development. "We need to strip out obstructions to the productivity of our IT and R&D teams," says Liat Shmuel, vice president of IT operations, Tufin. "Manually provisioning infrastructure was a time-consuming manual process, which was frustrating and increased errors and risk."

"A big portion of our environment is already built on VMware. The opportunity to move to managed services with VMware Aria Automation and VMware Aria Operations was a natural step."

Ohad Cohen, IT Infrastructure and Cloud Team Lead, Tufin

Self-service portal boosts developer autonomy

To reduce complexity and increase the productivity of its teams, Tufin worked with VMware to adopt a suite of solutions built on the VMware Aria family of products. The VMware solutions simplify IT management dramatically, adding flexibility to provisioning infrastructure on-premises or in the cloud. Using a menu of self-service templates, Tufin reduced infrastructure management time from hours to minutes. And the solutions allow Tufin to streamline and simplify security maintenance and updates.

Working with VMware Professional Services, Tufin built a self-service portal equipped with a menu of self-service templates that empowers software developers on the R&D team to automate and provision their own infrastructure resources. VMware Professional Services guided the platform design, build and deployment, which was key to a quick launch.

Built on VMware Aria Automation, the portal provides an automated, self-service environment to test and deliver new services. The team created a service catalog for developers and established a process for ongoing automation.

"The solution has simplified infrastructure management dramatically. By moving to VMware Aria Automation, we have the flexibility to provision infrastructure on-premises or in the public cloud without the dependency or boundaries of physical infrastructure," says Shmuel.

In addition, by moving to VMware Aria Automation cloud management, the company has reduced its maintenance overhead and has access to all the latest updates and features.

"A big portion of our environment is already built on VMware," says Ohad Cohen, lead of IT infrastructure and cloud, Tufin. "The opportunity to move to managed services with VMware Aria Automation and VMware Aria Operations was a natural step."

Tufin uses VMware Aria Operations to oversee platform activity, allowing the company to manage capacity, performance and costs, using predictive analytics to inform continuous refinement. VMware Aria Universal Suite adds flexibility to its VMware consumption.

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"We can create cloud-agnostic templates, whether they're provisioned on-premises or in AWS," Cohen says. "With the subscription nature of VMware Aria Universal Suite, we're providing developers with infrastructure as code. We're not looking at this as a one-time deployment. It is a live environment that will continue to evolve."

Automation and self-service to drive productivity

Time to market for new services—or refinements to existing products—is markedly faster. Tufin has reduced provisioning times for developers from 40 minutes to only a few minutes. Developers now have a menu of proven, self-services templates from which to choose, with the flexibility to deploy to any environment.

"We have fewer complaints, and thanks to the SaaS model we're kept up to date with the latest versions and features without having to worry about maintenance of upgrades," says Shmuel.

Developers work more efficiently and productively. Not only does this support the cadence of new work, but it also strengthens compliance by using only certified templates. New templates can be created, but these undergo strict reviews before being put into use.

"R&D infrastructure relies on VMware Aria Automation. The team has everything they need to execute multiple, automated test environments," says Cohen. "We no longer need to maintain, patch or upgrade the infrastructure. We just need to monitor who needs what and then allocate those resources."

"The solution has simplified infrastructure management dramatically. By moving to VMware Aria Automation, we have the flexibility to provision infrastructure on-premises or in the public cloud without the dependency or boundaries of physical infrastructure. It's a strategic advantage for us to deliver a multi-cloud."

Liat Shmuel, VP of IT Operations, Tufin

It is now easier for Tufin to provision separate, secure test environments for work on specific development projects. Developers can work on new features and then transition to production on-premises or in the cloud. This not only improves the speed of service delivery but will allow Tufin the flexibility to work in cloud platforms which its clients will use with VMware Aria Universal Suite in the future.

Motwane says the business needs to be ready to find growth outside of its existing, large enterprise customers: "We believe there are greenfield opportunities to grow among Forbes Global 2000 companies. Our advantage is that we can demonstrate an enterprise-ready solution."

Creating a strategic path to growth

Although early in its cloud journey, Tufin is excited for the future.

"A key to our future success will be flexibility and the ability to work how and where a client wishes," says Motwane. "We're working on templates with all major cloud providers in anticipation of the day it needs to support a multi-cloud environment. VMware Aria Universal Suite will act as a one-stop shop for everything a developer may need.

"For enterprise organizations, the cloud is not a strategic choice anymore, it's an imperative. We need the freedom to work in any cloud. The range of cloud-first features and functionality VMware is developing will enable us to work across a hybrid cloud reality, today and into the future."

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