

NoviFlow Partners With Fortinet to Deliver SDN-Optimized Cybersecurity Solution

Solution brings together NoviFlow and Fortinet technologies for high throughput and dynamically scalable security services in a programmable SDN environment



MONTREAL, QUEBEC, CANADA,
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NoviFlow® Inc., a leading vendor of high-performance SDN network operating software (NOS), cybersecurity middleware and programmable network solutions, today announced a joint solution with Fortinet to efficiently address even the largest deployments and enable cost-effective dynamic scaling to smoothly right-size capacity for even the most highly variable demand.



NoviFlow's NoviWare forwarding planes and the Fortinet Security Fabric provide a compelling SDN-based cybersecurity solution with unprecedented price performance and scalability."

Dominique Jodoin, President and CEO, NoviFlow Inc.

Recent years have seen a tremendous and accelerating increase in demand for data networking capacity from carriers and enterprises. The multiplication of mobile and connected devices, the proliferation of streaming video-based applications, and now the internet of things (IoT) will only increase the challenge of delivering capacity and ensuring quality as data moves from web to mobile to machines. The challenge is even greater for companies seeking to protect data, infrastructure, and identities by cost-effectively inspecting, analyzing and mitigating cyber threats in an age of social networks, automated BOT networks, and machine-learning-driven malware.

In partnership with Fortinet, NoviFlow integrates the [CyberMapper](#) SDN-enhanced forwarding plane with the [Fortinet Security Fabric](#), effectively incorporating these services in the SDN-enabled network, while reducing total customer network CAPEX and OPEX. The Fortinet Security Fabric provides broad, automated and integrated security, and has open application programming interfaces (APIs), open authentication technology, and standardized telemetry data that enable NoviFlow CyberMapper to integrate Fortinet's security services and appliances into NoviFlow's programmable fabric. The resulting joint solution delivers high throughput and dynamically scalable security services in a programmable SDN networking environment.

"To remain competitive, companies need to address exponentially increasing data volume, networking capacity demands, and the need for effectively protecting their deployments against today's sophisticated cyberthreats," said John Maddison, SVP of products and solutions at Fortinet. "We welcome NoviFlow into Fortinet's Technology Alliance Partner Program and its open ecosystem with unparalleled protection provided by the Fortinet Security Fabric."

Dominique Jodoin, President, and CEO of NoviFlow explained, "NoviFlow's NoviWare forwarding planes and the Fortinet Security Fabric were made for each other. The alliance between Fortinet and NoviFlow provides a compelling new SDN-based option for the deployment of cybersecurity solutions, in both existing and greenfield networks, with unprecedented price performance and

scalability. It also extends the radical CAPEX and OPEX benefits of SDN-based programmable forwarding planes to the Cybersecurity segment.”

Solution Benefits:

- Allows stacking of Virtual Network Functions and appliances to achieve total throughput capability in the Terabit range
- Significantly reduces the periodic loss of security capacity due to rehashing and restoring of state when right-sizing or replacing downed security devices
- All traffic types experience lower latency as traffic is filtered and load-balanced at line-rate in the switch
- CyberMapper provides a feedback channel enabling Fortinet cybersecurity applications to adjust network behavior in real-time (for mitigation and automation of security in machine time)

- Protects “State” in Fail-over (minimize recovery time from equipment/link failures)
- Dynamic Scaling processes work transparently with both appliances and VM-based security services
- Replaces high-end, expensive load balancers
- Increases throughput of existing Fortinet cluster

The Fortinet and NoviFlow integrated solution scales effectively to address high-throughput use cases in large-scale deployments. By implementing security functions in the forwarding plane, traffic directed to each security device is greatly reduced and optimized so that security functions are more efficiently utilized. The solution can be easily scaled when demand fluctuates, while preserving stateful security information and minimizing gaps in coverage, and reduces total capital expenses and operational costs.

The [Fortinet Security Fabric/CyberMapper joint solution](#) will be demonstrated at the NoviFlow booth (A8) and at the Fortinet booth (B4-B9), October 8-12, 2018 at the SDN NFV World Congress in The Hague, Netherlands.

ABOUT NOVIFLOW

NoviFlow Inc. provides high-performance OpenFlow-based switching solutions to network carriers, data center operators, government agencies and enterprises seeking greater control, security and flexibility over their networks. NoviFlow has offices in Montreal, Boston, Sunnyvale and Seattle, and representatives in the Asia Pacific, Europe, and the Middle East. For more information, visit <http://noviflow.com/>. Follow NoviFlow on Twitter @NoviFlowInc.

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