

# CASE STUDY: MAVENIR

ConfD eliminated crashes and memory leaks, delivering consistent reliability across all deployments.

## About Mavenir

Mavenir is focused on accelerating software network transformation and redefining network economics for Communications Service Providers (CSPs) by offering a comprehensive end-to-end product portfolio across every layer of the network infrastructure stack. From 5G application/service layers to packet core and RAN – Mavenir leads the way in evolved, cloud-native networking solutions enabling innovative and secure experiences for end users.

## The Need to Simplify Configuration with NETCONF

Because Mavenir provides an end-to-end product portfolio across the entire network stack, its development team requires maximum flexibility and the ability to work with multiple varieties of configuration and management tasks. To enable their development team to work throughout the infrastructure from the radio to applications and its clients' devices, Mavenir elected to work primarily with NETCONF interfaces and YANG models. But the company needed an effective management tool to overcome the need for constant database infrastructure redesign while going through the development process.

## The Solution: ConfD from Tail-f

For Mavenir the ability to quickly deploy management configuration in their customers' infrastructure was the most important need to meet. Moreover, to maximize their investment, they also wanted a solution that was fully mature in the market, with a high degree of stability. While Mavenir already had a competing solution, the company decided to pursue something more innovative. Zeev Lubenski, VP of Product Management and NFV development for Mavenir, was familiar with Tail-f and the capabilities of ConfD.

Mavenir made the choice to upgrade its management configuration capabilities to ConfD because of the maturity of the platform, and also because of its optimized footprint. Processing and memory usage were better optimized in ConfD than in the other options at their disposal, providing a higher degree of reliability.

“Mavenir plans to integrate with additional tools such as Cisco's Network Services Orchestrator (NSO) and HP's Orchestrator, taking further advantage of ConfD's flexibility to streamline the integration process to enable the company to better meet the needs of customers and the development team.”

*– Zeev Lubenski, VP of Product Management*

## Organization Profile

**Mavenir**

**Website:** [mavenir.com](http://mavenir.com)

**Industry:** Network Software Provider

**Headquarters:** Richardson, TX

## The Results

The adoption of ConfD proceeded smoothly as Mavenir predicted, eliminating crashes and memory leaks for a superior configuration management experience. While Mavenir works with communication service providers of all sizes, ConfD delivers consistent reliability across all deployments. It provides seamless interfacing with NETCONF for app development, while also generating a graphical user interface in real time, saving the development team a significant amount of coding time.

ConfD also provides Mavenir with additional configuration flexibility for platforms such as ONAP, and the team uses the RESTCONF interface from ConfD to connect to other YANG enabled systems. Previously Mavenir would have had to hand code these interfaces, which would have increased the risk of introducing errors and the cost of the solution. In the future Mavenir plans to integrate with additional tools such as HP Orchestrator, taking further advantage of ConfD's flexibility to streamline the integration process to enable the company to better meet the needs of customers and the development team.

## Tail-f Solutions

### Why ConfD?

- A single data model handles all the northbound interfaces
- One set of callbacks serves all southbound interfaces
- API easy to use
- Lots of example code that runs out of the box



[www.tail-f.com](http://www.tail-f.com)

[info@tail-f.com](mailto:info@tail-f.com)

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#### Corporate Headquarters

Sveavagen 25  
111 34 Stockholm  
Sweden  
+46 8 21 37 40