

SD-WAN opens up digital perspectives

More power for the Internet: Siemens uses SD-WAN as the backbone of its IT strategy

Reference project:

SIEMENS

“The Internet will be the new enterprise network.”

Siemens AG

Siemens AG is a global technology powerhouse with a primary focus on the areas of power generation and distribution, smart infrastructures for buildings and decentralized energy systems, and automation and digitalization in the process and manufacturing industries. With its independently managed subsidiary Siemens Mobility, one of the leading providers of intelligent mobility solutions for rail and road traffic, Siemens also helps shape the global market for passenger and freight transport. Through its majority holdings in listed companies Siemens Healthineers and Siemens Gamesa Renewable Energy, Siemens is also one of the leading global providers of medical technology and digital healthcare services, as well as environmentally friendly solutions for onshore and offshore wind power generation. In the 2018 fiscal year, Siemens generated revenues of 83 billion euros and after-tax profits of 6.1 billion euros. The company had some 379,000 employees at the end of September 2018. In this competitive environment, the power to innovate is essential, which is why Siemens AG is resolutely pursuing its digital transformation. And not only with regard to the services it offers on the market, but also for their internal positioning for the future. „The Internet will be the new enterprise network“ – that’s the credo of the IT managers at Siemens. Enterprises that increasingly use cloud applications also need the right networks to promote fast, agile use cases.

At a glance

With its planned digital transformation, Siemens is positioning itself to handle the challenges of the future. The company knows: if you’re pursuing digitalization, you need a powerful network foundation, one that meets the highest demands for security. With SD-WAN from T-Systems, the technology group now has a powerful foundation for its future agile positioning.

- Powerful automation
- Simple network management
- Greater dynamism for application use
- Increasing innovative strength
- Higher business agility

T · Systems ·

Let’s power
higher performance

Reference in detail

The challenge

Today, 60 percent of network traffic in the WAN at Siemens AG is Internet traffic, 160 TB every day. The IT managers at Siemens have chosen a pioneering path for their IT strategy. Digitalization is paving the way for extensive flexibility and dynamism through cloud services. With this strategy, the company is setting up an agile foundation for the future and future competitors. But extensive digitalization also needs a network that rises up to meet new challenges. And can offer a higher level of security. In other words, high-performance networks that enable efficient, dynamic IT provisioning – not only with higher bandwidths and greater transparency, but also with enhanced management functions that help to reduce complexity.

The solution

For Siemens, the move to a software-defined wide area network (SD-WAN) was purely logical. SD-WAN gives the company the dynamism and agility that a network needs in the age of digitalization. Enhanced management functions – such as application performance management and application-aware networking – help managers adapt network capacities to business needs automatically. It will also simplify the rollout of new endpoints, such as devices for virtual reality, augmented reality, and other IoT applications. At the same time, the new SD-WAN also offers higher total bandwidth and an increased level of security – key factors for a company that intends to shift increasing numbers of workloads to the Internet. A console gives the team full control over all network activities.

Customer benefits

With the implementation of SD-WAN, Siemens is paving the foundation for its digital transformation. SD-WAN will become a strategic component for the company, as it enables the comprehensive use of cloud services. Siemens will get a secure, reliable basis for the company's development and a foundation for conducting agile innovation projects. Management of the WAN will be simplified, even though its design options are becoming more flexible. Other advantages:

- Higher bandwidths
- Reduced costs
- Greater information security
- Improved transparency and manageability of the WAN
- Dynamic foundation for executing the company's strategy



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