



An Overview of Network Orchestration

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Software-defined networking is another name for the orchestration of networks. It is a method for automatically programming the behavior of a network. This is done so that the network may operate in tandem with the software and hardware to support the services and applications. The fundamental idea behind network service orchestration is to separate network services from network components while still automatically configuring the network according to the specified service criteria. With that in mind, here is more detail on what network service orchestration is, explaining why it's so crucial.

What Is the Importance of Orchestration?

You do not have to orchestrate your network while deploying a software-defined environment. You can still run SDN without orchestration by virtualizing functions through network function virtualization. These virtual servers can be spun up and down manually, going through all of the processes in the process. However, just because you don't [require network orchestration](#) doesn't mean you should ignore it! There are a number of strong reasons why this is the best option. If your primary purpose and ambition is to automate and digitize, orchestration is important to achieving this goal faster and more efficiently. It makes deploying the essential functionality easier and faster for you. You'll also be able to resolve issues without taking essential systems offline for days or hours, and you'll be able to quickly launch new products to customers.

Examining the Business Advantages

As previously stated, there are numerous advantages to using network service orchestration. One of the most obvious advantages is that your company will be able to run more efficiently, allowing your employees to concentrate on key business responsibilities. This is because network and IT management staff will not have to spend as much time on mundane activities, freeing resources and allowing your employees to focus on projects that will propel your company forward. Some firms will wish to reallocate personnel to programming and planning departments as they grow and rely increasingly on artificial intelligence and automation.

You should also examine a number of other advantages of an orchestration business strategy. This includes operational improvements, a faster time to market for new products and services, a better network managed through automation and fast remediation, and a better customer experience. Don't forget about better budget management. In domains like security, where processes can be monitored and automated, orchestration is critical. It also plays an important part in DevOps, allowing for the streamlined and automated completion of multiple activities for speedier development.

It's also necessary to think about the advantages of integration and flexibility. Traditional service deployment is typically based on OSS and BSS, and it is typically isolated due to the lack of a feasible means to link separate components. Customer software is usually required to bring them together, which is not viable in many cases. Service components will become interoperable thanks to standardized APIs, removing networking hurdles. On-premises and cloud systems will integrate smoothly, resulting in the elimination or reduction of reliance on specific hardware resources. What was once a collection of loosely coupled networks can now be combined into a single network with subnetworks as needed.

Author

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