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SDN Concept

Software defined networks are a set of techniques, which aims to facilitate the implementation and deployment of network services in a deterministic and dynamic way.

Avoiding the network administrator to manage such services. This is achieved by separating the control plane (software) from the data plane (hardware)

Software defined networks seek to reduce the complexity of defined networks, that is, automate network functions, speed up the implementation of applications, services and simplify implementation and management of network resources

A software defined network allows:

- Facilitate the administrative burden and supply of functions such as quality of service and security
- Implement and expand more easily the functions of the network.
- Make better use of network resources.
- Implement a more effective security function.
- Reduce complexity.