

Cisco three-layer hierarchical model pdf

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In this section, you will learn about the access, distribution, and core layers and their role in the hierarchical network model. The Three-Layered Hierarchical Model in Cisco divides a network into the following three layers: The Access Layer: Provides access points for hosts to connect to the network. The Distribution Layer: Acts as an intermediary between the Core Layer and the Access Layer, and keeps local traffic confined to local networks. The Core Layer: Backbone; The core layer is responsible for transporting traffic between different parts of the network. This three-layer model helps you design, implement, and maintain a scalable, reliable, and cost-effective network. Cisco defines three layers of hierarchy, as it is shown below, each with specific functions. Access layer b. Distribution layer c. Core layer. Each of layers has its own features and functionality, which reduces network complexity. Enterprise Network Campus Design () Figure Hierarchical Model's Three Layers Each hierarchical layer focuses on specific functions, thereby allowing the network designer to choose the right systems and features based on their function within the model. In this section, you will learn about the access, distribution, and core layers and their role in the hierarchical network model. The Three-Layered Hierarchical Model in Cisco divides a network into the following three layers: The Access Layer: Provides access points for hosts to connect to the network.

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