Overview of the Configuration Model

Overview of Cisco 9800 Series Configuration Model

Cisco Catalyst 9800 Series Wireless Controllers are the next generation of wireless controllers built for intent-based networking.

These controllers can be deployed in physical and virtual (private and public cloud) form factors and can be managed through Cisco Digital Networking Architecture (DNA) Center, NETCONF-YANG, Cisco Prime Infrastructure, web-based GUI, or CLI.

The Cisco Catalyst 9800 Series configuration model is based on profiles and tags. Profiles group a set of features and functionalities, and tags allow you to assign these features and functionalities to access points (APs).

This model helps the client or AP devices to derive their configurations from the profiles that are contained within the tags. AP devices can be mapped to the tags either statically or as part of a rule engine that runs on the controller and comes into effect during the AP join process. Configuration objects are modularized as objects that help in the reuse of the configuration. In addition, a flat tag-based configuration model eliminates the complexities associated with inheritance and container-based grouping, leading to a simpler and flexible configuration that can ease change management.