

SERVICE BRIEF

ARUBA CX 10000 DISTRIBUTED SERVICES SWITCH QUICKSTART SERVICE

Accelerate deployment of the next-gen
Distributed Services Switch for data center

The Aruba CX 10000 Distributed Services Switch QuickStart Service accelerates the implementation of CX 10000 features into your environment, so that your organization can operate next-generation architectures that simplify, accelerate, and scale network and security services across your enterprise or provider edge colocation.

Realizing the full business value of your technology investments quickly is imperative in times of highly competitive and fast-moving business objectives. With proven engineering services from Aruba, this service will help you successfully design, build, and operate your data center switching solution as part of your technology platform. We complement the skills of your IT team, accelerating your environment to a fully functional CX switch solution, and reduce risks by using documented Aruba best practices.

Our Professional Services engineers leverage their extensive knowledge to help you ramp up on the next generation of distributed services and to assist in the preparation for operational support. They will consult with your IT staff to design and deploy CX 10000 Series switching capabilities which are then easily expanded upon to facilitate more complex use cases.

In this service, our Professional Services engineers will:

- lead the architecture and design of an Aruba distributed services architecture in the data center
- provide startup support including initial deployment of Aruba Fabric Composer (AFC) and Pensando Policy and Services Manager (PSM)

- conduct initial switch configuration of accelerated stateful firewall, zero trust segmentation, ERSPAN, telemetry, and DDoS protection
- use our best practices to develop and implement the baseline configuration(s) needed to support the deployment

Our team will work collaboratively with your engineers and project managers to assist in requirements development, configuration, and testing of the CX Series switch solution and the AFC and Pensando PSM management platforms based on approved topologies and use cases.

SERVICE FEATURES

This QuickStart service includes the following:

Architecture and Design

- Define the wired architecture/high-level design (HLD)
- Review the requirements and included use cases
- Review the pre-installation requirements

Startup Support

- Provide provisioning instructions (including recommended code versions and upgrade procedures) for AFC, PSM, and physical switching nodes
- Assist with provisioning and software upgrades for in-scope devices
- Review Aruba Support Portal features including documentation library, ticketing, and software upgrades

Design and Configuration Development

- Apply baseline configurations¹ for up to two leaf switches, up to two spine switches, and one management stack (maximum of 4 nodes)
- Onboard the Aruba CX 10000 Series switch into AFC and PSM

¹ Two (2) NTP servers, (1) syslog server, two (2) DNS servers, one (1) local user account, five (5) VLANs with IP addresses (if applicable)



- Onboard supported management switch stack into AFC
- Configure the CX leaf switches with two-node VSX aggregation
 - Configure the CX management layer with one of the following:
 - ◊ One edge chassis
 - ◊ Up to a four-node VSF management switch stack
- Create VXLAN spine-leaf fabric underlay and up to 20 overlay network segments in one customer VRF
- Configure leaf for border role with either OSPF or eBGP relationship with up to two external routers
- Configure DSS firewall services on up to five (5) network segments (200 ACE in total)
- Configure baseline AFC and PSM integration
- Configure up to eight (8) server edge ports with LACP or single attach according to HPE Aruba Networking best practice

Validation Testing

- Provide a standard Aruba validation checklist
- Assist with the execution of each test in the checklist to validate the use cases, defined in the Architecture and Design phase, are being met

As-built Documentation

- A topology diagram describing the logical interconnection of the in-scope Aruba devices
- A list of configured IP addresses for in-scope devices used during the configuration phase

Project Management Oversight

Aruba consultants will assist your engineers and project managers in the following areas:

- Schedule appropriate staff in a timely manner and coordinate HPE Aruba Networking technical resources
- Participate in scheduled project review meetings or conference calls, if required
- Provide a weekly activity report

CONCLUSION

As you deploy the next generation Aruba CX 10000 Distributed Services Switch for the first time, our proven engineering services ensure you successfully design, build, and operate your data center switching solution as part of your technology platform. We complement the skills of your IT team, accelerating your time to a fully functional solution and reducing risks by using documented Aruba best practices.

Please contact your Aruba account team or authorized resale partner for more information.

ABOUT ARUBA SERVICES

HPE Services–Aruba Networking simplifies and accelerates the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what we have to offer at:

arubanetworks.com/services