Cisco Collaboration Preferred Architectures

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Cisco is a leading innovator of collaboration technologies and solutions. To provide our partners and customers with expert design guidance and best practices for deploying collaboration solutions, we have developed and tested Preferred Architectures (PAs) for the following deployment scenarios:

- **On-premises deployment** — All collaboration services are deployed and managed on the customer’s premises.
- **Hybrid deployment** — Some collaboration services are deployed on-premises, while others are hosted in the cloud.

Cisco Preferred Architectures (PAs) provide tested and recommended deployment models for specific market segments based on common use cases. They incorporate a subset of products from the Cisco Collaboration portfolio that are best suited for the targeted market segment and defined use cases. These deployment models are prescriptive and built to scale with an organization as its business needs change. This prescriptive approach simplifies the integration of multiple system-level components and enables an organization to select the deployment model that best addresses its business needs.

The PAs service the following market segments:

- **Enterprise** — Large deployments with 1,000 or more users.
- **Midmarket** — Small to medium deployments with up to 1,000 users.
To help partners and customers decide which Preferred Architecture to choose, and to provide guidance on how best to deploy each PA, we have written the following types of documentation, as represented in Figure 1:

- **Design Overview Guides** — Describe the main components and their roles within the Preferred Architectures. They are pre-sales documents intended to help customers and sales teams select the Preferred Architecture that best fits their requirements.

- **Cisco Validated Design (CVD) Guides** — Are post-sales documents that describe the Preferred Architectures in detail, provide design and deployment recommendations and best practices, and outline the PA deployment procedures and steps at a high level.

- **Alternative Design Guides** — Are post-sales documents that describe optional designs that can be deployed as alternatives to the Preferred Architectures described in the PA overview guides and CVDs. The alternative design always starts with the main PA as a foundation and builds upon it; therefore, each alternative design guide should be used in conjunction with its corresponding PA overview guide and CVD.
Current Documents

The following documents describe the current Preferred Architecture.

PA for Enterprise Deployments

On-Premises Deployments

- Overview (pre-sales): Preferred Architecture for Cisco Collaboration 12.x On-Premises Deployments, Design Overview
- CVD (post-sales): Preferred Architecture for Cisco Collaboration 12.x Enterprise On-Premises Deployments, CVD

Hybrid Deployments

- Overview (pre-sales): Preferred Architecture for Cisco Webex Hybrid Services, Design Overview
- CVD (post-sales): Preferred Architecture for Cisco Webex Hybrid Services, CVD

PA for Midmarket On-Premises Deployments

- Overview (pre-sales): Preferred Architecture for Cisco Collaboration 12.x On-Premises Deployments, Design Overview
- CVDs (post-sales):
  - Unified Communications Using Cisco Business Edition 6000, CVD
  - Video Conferencing and Recording Using Cisco Business Edition 6000, CVD
  - Collaboration Edge Using Cisco Business Edition 6000, CVD
  - Help Desk Using Cisco Unified CCX, CVD
    Help Desk Scripts and Prompts - February 2014

Supplemental Design Documents

Supplemental design documents are post-sales documents that provide the following types of information that is outside the scope of the Preferred Architecture guides:

- Foundational design concepts that form the basis for the Preferred Architectures
- Optional features that are not part of the main Preferred Architecture but can be added to it

The Cisco Collaboration Solution Reference Network Design (SRND) guides are supplemental design documents that explain foundational design concepts employed in the Preferred Architectures. The latest version of the SRND is available at:

- Cisco Collaboration Solution Reference Network Design (SRND) Guides
Archive Documents

The following documents describe earlier versions of the Preferred Architectures.

Enterprise Deployments

Cisco Collaboration System Release (CSR) 11.6
- Cisco Preferred Architecture for Enterprise Collaboration 11.6, Design Overview
- Cisco Preferred Architecture for Enterprise Collaboration 11.6, CVD

Cisco Collaboration System Release (CSR) 11.0
- Cisco Preferred Architecture for Enterprise Collaboration 11.0, Design Overview
- Cisco Preferred Architecture for Enterprise Collaboration 11.0, CVD

Cisco Collaboration System Release (CSR) 10.x
- Cisco Preferred Architecture for Enterprise Collaboration 10.x, Design Overview
- Cisco Preferred Architecture for Enterprise Collaboration 10.x, CVD

Midmarket Deployments

Cisco Collaboration System Release (CSR) 11.6
Design overview guides:
- Cisco Preferred Architecture for Midmarket Collaboration 11.6, Design Overview - March 2017
- Cisco Preferred Architecture for Video 11.6, Design Overview - March 2017
- Cisco Preferred Architecture for Midmarket Voice 11.x, Design Overview - June 2016
Cisco Validated Design (CVD) guides:
- Video Conferencing and Recording Using Cisco Business Edition 6000, CVD - July 2017

Cisco Collaboration System Release (CSR) 11.5
Design overview guides:
- Cisco Preferred Architecture for Midmarket Collaboration 11.5, Design Overview - June 2016
- Cisco Preferred Architecture for Video 11.5, Design Overview - June 2016
- Cisco Preferred Architecture for Midmarket Voice 11.x, Design Overview - June 2016
Cisco Validated Design (CVD) guides:
Cisco Collaboration System Release (CSR) 10.x

Design overview guides:

- Cisco Preferred Architecture for Midmarket Collaboration, Design Overview - December 2014
- Cisco Preferred Architecture for Video, Design Overview - March 2015
- Cisco Preferred Architecture for Midmarket Voice, Design Overview - March 2015

Cisco Validated Design (CVD) guides:

- Unified Communications Using Cisco Business Edition 6000, CVD - October 2015
- Video Conferencing and Recording Using Cisco Business Edition 6000, CVD - October 2015