



Preface

This document details the overall proven reference architecture, design guidelines and recommendations behind the Cisco Backup-as-a-Service (BaaS) reference architecture solution leveraging Cisco UCS and Commvault® Simpana® software. The document describes the BaaS solution scope, approach and architectural resources within the Commvault and Cisco Cloud Architecture (CCA) data center environments.

Purpose

This document provides design recommendations and describes the architecture of the Commvault BaaS solution within the Cisco CCA architecture. This document is based on the in-lab validation of the BaaS reference architecture solution using Commvault in a Cisco CCA test environment.

Scope

This validated design guide discusses multiple Cisco technologies and products that are part of the CCA reference architecture and also Commvault Simpana software and technologies.

Audience

This guide is intended for, but not limited to, system architects, network/compute/storage design engineers, systems engineers, field consultants, advanced services specialists, and customers wanting to understand how to design, operate, manage or consume a BaaS architecture leveraging Cisco and Commvault technologies. This guide assumes that the reader is familiar with the basic concepts of backup, restore, IP protocols, Quality of Service (QoS), High Availability (HA), Layer 4 (L4) - Layer 7 (L7) services, DC platforms and technologies, SAN, as well as Microsoft Hyper-V, VMware ESXi hypervisors, and OpenStack cloud virtualization. This guide also assumes that the reader is aware of general system requirements and has knowledge of Enterprise or Service Provider network and DC architectures, platforms, and virtualization technologies.

