Preface

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

Purpose

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

Scope

This solution design guide discusses multiple Cisco technologies and products that are part of the CCA-MCP 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.