



## Elastic Services Controller Overview

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Cisco Elastic Services Controller (ESC) is a Virtual Network Functions Manager (VNFM), performing life cycle management of Virtual Network Functions (VNFs). ESC provides agentless and multi vendor VNF management by provisioning the virtual services, and monitoring their health and load. ESC provides the flexibility to define rules for monitoring, and associate actions to be triggered based on the outcome of these rules. Based on the monitoring results, ESC performs scale in or scale out on the VNFs. It also supports automatic VM recovery when a VM fails.

ESC fully integrates with Cisco and other third party applications. As a standalone product, the Elastic Services Controller can be deployed as a VNF Manager. ESC integrates with Cisco Network Services Orchestrator (NSO) to provide VNF management along with orchestration. Elastic Services Controller as a VNF Manager targets the virtually managed services and all service provider NFV deployments such as virtual video, WiFi, authentication and others.

ESC can manage both basic and complex services. Basic services include a single VM such as an NTP, DHCP, or DNS server.

Complex services include multiple VMs that are orchestrated as a single service with dependencies between them. These multiple VMs are managed as a single entity, for example, virtually Managed Services (vMS) 1.0.

