

ACOS Virtual Chassis System



ACOS Virtual Chassis System (aVCS) enables you to manage multiple ACOS devices as a single, virtual chassis. One ACOS device in the virtual chassis is the virtual master (vMaster). The other ACOS devices are virtual blades (vBlades) within the virtual chassis, and are managed by the vMaster.

aVCS, as a management tool, provides high availability functionality on the ACOS device with the help of VRRP-A and High Availability across two or more ACOS devices.

In an aVCS chassis, there is a single point of management, and the vMaster acts as a controller for vBlades. The vMaster controller provides centralized storage of the entire ACOS device configuration. Any configuration changes from the vMaster controller are automatically propagated to the vBlades.

Depending on the ACOS series model, with the help of VRRP-A, aVCS can support a maximum 7 additional blades. aVCS requires that all devices in the same virtual switch have the same number of CPUs and are the same ACOS device model.



This chapter describes aVCS and how to configure it.

For deployment and upgrade instructions, see the following sections:

- [“Deploying a Virtual Chassis \(first-time deployment only\)” on page 471](#)
- [“Upgrading a Virtual Chassis” on page 493](#)
- [“Adding a Configured ACOS Device to a Virtual Chassis” on page 493](#)
- [“Replacing a Device in a Virtual Chassis” on page 500](#)

Caution: If you use the *system-reset* command to restore an ACOS device to its factory default state, the command affects *all* ACOS devices in the virtual chassis. The command erases any saved configuration profiles (including startup-config), as well as system files such as SSL certificates and keys, aFlex policies, black/white lists, and system logs. The management IP address and admin-configured admin and enable passwords are also removed. The only workaround is to reload the system from a saved configuration or configure the device once again.