Dying Gasp

This chapter describes the Dying-Gasp feature for the Cisco Industrial Ethernet 5000 series switch.

Dying Gasp resides on a hardware component on the High-performance WAN Interface Card (HWIC) and supports Gigabit Ethernet interfaces. The networking devices rely on a temporary back-up power supply on a capacitor, that allows for a graceful shutdown and the generation of the dying-gasp message. This temporary power supply is designed to last from 10 to 20 milliseconds to perform these tasks.

Dying-Gasp packets are created when you configure the host by using the **dying-gasp** configuration command. The **show dying-gasp packets** command displays the detailed information about the created packets.

The SNMP server for the SNMP Dying Gasp message is specified through the **snmp-server host** configuration command. The syslog server sending the syslog Dying Gasp message is specified through the **logging host hostname-or-ipaddress transport udp** command. The Ethernet-OAM Dying Gasp packets are created for interfaces where Ethernet-OAM is enabled.

Dying Gasp packets can be sent to a maximum number of 5 servers for each notification type.

For more information about configuring Dying Gasp, see the Configuring Dying Gasp chapter of the System Management guide at this URL:
http://www.cisco.com/c/en/us/td/docs/switches/connectedgrid/cg-switch-sw-master/software/configuration/guide/sysmgmt/CGS_1000_Sysmgmt/cgs_dying_gasp.html