Using PERL to Send XML scripts to an iLO Management Processor

The Remote Insight XML scripting interface allows administrators to manage virtually every aspect of the Integrated Lights-Out 2, Integrated Lights-Out 3 or Integrated Lights-Out 4 Management Processor in an automated fashion. HP currently provides the Lights-Out Configuration Utility (cpqlocfg.exe) to assist deployment efforts. This utility is a Windows command-line utility that sends XML scripts to Lights-Out devices.

Administrators may also use PERL scripts to send XML scripts to the Lights-Out devices or use PERL to perform more complex tasks than cpqlocfg.exe can perform by itself.

The basic method used to send scripts to a Lights-Out device is to send the XML script to the device over an SSL socket. To accomplish this in PERL, you must have OpenSSL (http://www.openssl.org/) installed, as well as the PERL modules Net::SSLeay and IO::Socket::SSL (both available from http://www.cpan.org/). Most Linux distributions already have OpenSSL installed; however you will need to install the PERL modules yourself.

Example 1: Building your own CPQLOCFG with PERL:
The locfg.pl provided in this package shows how to create an SSL socket and send the XML script to the Lights-Out device. It also includes special case code to update the firmware. This example provides a near-replacement for the CPQLOCFG utility.