# 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 Remote Insight Board, Integrated Lights-Out, Integrated Lights-Out 2 or Integrated Lights-Out 3 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.