

Programming Guide

VMware Infrastructure Perl Toolkit 1.6



Programming Guide
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About This Book

This book, the *Programming Guide*, provides information about writing and running VMware® Infrastructure (VI) Perl Toolkit scripts on ESX Server or VirtualCenter Server systems. Because toolkit subroutines allow you to manage VI hosts using VMware Infrastructure API (VI API) calls, a brief description of the server-side VI object model is included. This guide focuses on explaining how to access and modify server-side objects using the VI Perl Toolkit and on discussing some programming techniques.

Revision History

This guide is revised with each release of the product or when necessary. A revised version can contain minor or major changes. [Table 1](#) summarizes the significant changes in each version of this guide.

Table 1. Revision History

Revision	Description
20070105	First version of the documentation for the VI Perl Toolkit 1.0.
20080110	Update for VI Perl Toolkit 1.5. Documentation bug fixes and some clarifications and additions.
20080725	Added information on using multiple sessions. Added Appendix A, "Appendix: Web Services for Management Perl Library," on page 49.

To view the most current version of this guide, go to http://www.vmware.com/support/pubs/sdk_pubs.html.

Intended Audience

This book is intended for administrators with different levels of Perl scripting experience:

- All administrators can use the utility applications and sample scripts included with the VI Perl Toolkit to manage and monitor the hosts in the VMware Infrastructure environment.
- Experienced Perl programmers can examine the source code for the available scripts. They can then modify those scripts or write new scripts using the VI Perl Toolkit subroutines to access the objects on the VMware Infrastructure host and manipulate those objects using Perl. This document includes a discussion of the VMware Infrastructure object model and explains how you can preview and retrieve those objects and their attributes and methods.

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