

1. Record Nr.	UNINA9910966582303321
Autore	Kocjan Wojciech
Titolo	Tcl 8.5 network programming : build network-aware applications using Tcl, a powerful dynamic programming language / / Wojciech Kocjan, Piotr Beltowski
Pubbl/distr/stampa	Birmingham, U.K., : Packt Open Source, 2010
ISBN	9786612663628 9781282663626 1282663623 9781849510974 1849510970
Edizione	[1st edition]
Descrizione fisica	1 online resource (589 p.)
Altri autori (Persone)	BeltowskiPiotr
Disciplina	005.133
Soggetti	Tcl (Computer program language) Computer networks Application software - Development Programming languages (Electronic computers) CGI (Computer network protocol)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Authors; About the Reviewers; Table of Contents; Preface; Chapter 1: Introducing Tcl; What is Tcl/Tk; Extensions; Tk; Installation; Windows; Unix-like systems; Installation of additional Tcl packages; Additional tools; Eclipse; Komodo; tkcon - an alternate Tcl shell; Tcl syntax; Tcl commands documentation syntax; Running the script; Running commands directly in the tclsh interpreter; Variables; Grouping; Nesting commands; Data types; Lists; Arrays; Dictionaries; Mathematical expressions-expr; Flow control and loop instructions; Defining your own commands SummaryChapter 2: Advanced Tcl Features; Tcl features; Working with time and date; Tcl data types; Global, namespace, and local variables; Stack frames; Object-oriented programming; Class definition; Inheritance; Object definitions; Using mixins; Forwarding methods; Additional information; Accessing files; Reading and writing files;

Configuring channel options; File management; Filename related operations; File information; Listing files; Current working directory; Packages in Tcl; Package loading; Creating a package; Tcl modules; Event-driven programming; Tcl event types  
Entering the event loopEvents and stack frames; Channel events; Timer and idle events; Robust scheduling with tclcron; Multithreaded applications; Managing threads; Shared variables; Transferring channels; Summary; Chapter 3: Tcl Standalone Binaries; Understanding the executable file structure; Learning the Metakit database; Working with MetaKit from Tcl; Learning more about virtual file systems; Getting into the details of VFS and Metakit; Learning Tclkit; Starkit and SDX; Creating a Starkit file; Internal structure of starkits; Using resource files in starkits  
Putting additional packages into a starkitFormat of the starkit file; Interactions between different starkit files; Knowing the Starpack technology; Practical example-the Hibernator application; Advanced topics-self updating; Other solutions; Summary; Chapter 4: Troubleshooting Tcl applications; Logging; Log package; Initialization; Available log levels; Enabling or disabling log levels; Replacing the default implementation of the logging command; Recap of the log package; Logger package; Initialization; Available log levels; Enabling or disabling log levels; Tracing  
Changing the implementation of the logging / tracing commandAppenders; Recap of the logger package; Audit; Recap of the audit package; Debugging; Tcl Dev Kit Inspector; Tcl Dev Kit Debugger; Local Debugging; Remote debugging; Recap of the Tcl Dev Kit Debugger; TclPro Debugger; Summary; Chapter 5: Data Storage; Internationalizations; Encoding issues; Translating your application into different languages; Using SQL and databases in Tcl; Connecting to MySQL; Connecting to PostgreSQL; Using SQLite; Managing databases from SQLiteStudio; Other databases; Handling XML in Tcl; Storing raw Tcl values  
Summary

---

#### Sommario/riassunto

Build network-aware applications using Tcl, a powerful dynamic programming language

---