



PROFESSIONAL LINUX CONSULTING & TRAINING

CURSO PERL AVANZADO

OBJETIVO

Que el estudiante entienda y aplique de manera efectiva las técnicas avanzadas de desarrollo de sistemas en Perl: programación segura, depuración, estadísticas, desempeño, configuración, manejo de errores, persistencia de datos y documentación

TEMARIO

- Advanced Regular Expressions
 - References to Regular Expressions
 - Noncapturing Grouping, (?:PATTERN)
 - Readable Regexes, /x and (?#...)
 - Global Matching
 - Lookarounds
 - Deciphering Regular Expressions
- Secure Programming Techniques
 - Bad Data Can Ruin Your Day
 - Taint Checking
 - Untainting Data
 - List Forms of system and exec
- Debugging Perl
 - Before You Waste Too Much Time
 - The Best Debugger in the World
 - perl5db.pl
 - Alternative Debuggers
 - Other Debuggers
- Profiling Perl
 - Finding the Culprit
 - The General Approach
 - Profiling DBI
 - Devel::DProf
 - Writing My Own Profiler
 - Profiling Test Suites
- Benchmarking Perl
 - Benchmarking Theory
 - Benchmarking Time
 - Comparing Code
 - Don't Turn Off Your Thinking Cap
 - Memory Use
 - The perlbench Tool



- Cleaning Up Perl
 - Good Style
 - perltidy
 - De-Obfuscation
 - Perl::Critic
- Symbol Tables and Typeglobs
 - Package and Lexical Variables
 - The Symbol Table
- Dynamic Subroutines
 - Subroutines As Data
 - Creating and Replacing Named Subroutines
 - Symbolic References
 - Iterating Through Subroutine Lists
 - Processing Pipelines
 - Method Lists
 - Subroutines As Arguments
 - Autoloaded Methods
 - Hashes As Objects
 - AutoSplit
- Modifying and Jury-Rigging Modules
 - Choosing the Right Solution
 - Replacing Module Parts
 - Subclassing
 - Wrapping Subroutines
- Configuring Perl Programs
 - Things Not to Do
 - Better Ways
 - Command-Line Switches
 - Configuration Files
 - Scripts with a Different Name
 - Interactive and Noninteractive Programs
 - perl's Config
- Detecting and Reporting Errors
 - Perl Error Basics
 - Reporting Module Errors
 - Exceptions
- Loggin
 - Recording Errors and Other Information
 - Log4perl
- Data Persistence
 - Flat Files
 - Storable
 - DBM Files
- Working with Pod
 - The Pod Format
 - Translating Pod
 - Testing Pod
- The Magic of Tied Variables
 - They Look Like Normal Variables
 - At the User Level
 - Behind the Curtain
 - Scalars
 - Arrays
 - Hashes
 - Filehandles
- Modules As Programs
 - The main Thing
 - Backing Up
 - Who's Calling?
 - Testing the Program
 - Distributing the Programs



Duración: 30 horas
Material: DVD de Fedora Core Linux y CD de
programas y utilerías de Perl
Documentación: Mastering Perl

