

CURSO PERL AVANZADO

Descripción General

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

Información

Duración

30 Horas

Requisitos

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TEMARIO

1. Advanced Regular Expressions
 - 1.1. References to Regular Expressions
 - 1.2. Noncapturing Grouping, (?:PATTERN)
 - 1.3. Readable Regexes, /x and (?#...)
 - 1.4. Global Matching
 - 1.5. Lookarounds
 - 1.6. Deciphering Regular Expressions
1. Secure Programming Techniques
 - 1.1. Bad Data Can Ruin Your Day
 - 1.2. Taint Checking
 - 1.3. Untainting Data
 - 1.4. List Forms of system and exec
1. Debugging Perl
 - 1.1. Before You Waste Too Much Time
 - 1.2. The Best Debugger in the World
 - 1.3. perl5db.pl
 - 1.4. Alternative Debuggers
 - 1.5. Other Debuggers
1. Profiling Perl
 - 1.1. Finding the Culprit
 - 1.2. The General Approach
 - 1.3. Profiling DBI
 - 1.4. Devel::DProf
 - 1.5. Writing My Own Profiler
 - 1.6. Profiling Test Suites
1. Benchmarking Perl
 - 1.1. Benchmarking Theory
 - 1.2. Benchmarking Time
 - 1.3. Comparing Code
 - 1.4. Don t Turn Off Your Thinking Cap ☒
 - 1.5. Memory Use
 - 1.6. The perlbench Tool
1. Cleaning Up Perl
 2. Good Style
 3. perltidy
 4. DeObfuscation

- 5. Perl::Critic
- 1. Symbol Tables and Typeglobs
 - 1.1. Package and Lexical Variables
 - 1.2. The Symbol Table
- 1. Dynamic Subroutines
 - 1.1. Subroutines As Data
 - 1.2. Creating and Replacing Named Subroutines
 - 1.3. Symbolic References
 - 1.4. Iterating Through Subroutine Lists
 - 1.5. Processing Pipelines
 - 1.6. Method Lists
 - 1.7. Subroutines As Arguments
 - 1.8. Autoloaded Methods
 - 1.9. Hashes As Objects
 - 1.10. AutoSplit
- 1. Modifying and JuryRigging Modules
 - 1.1. Choosing the Right Solution
 - 1.2. Replacing Module Parts
 - 1.3. Subclassing
 - 1.4. Wrapping Subroutines
- 1. Configuring Perl Programs
 - 1.1. Things Not to Do
 - 1.2. Better Ways
 - 1.3. CommandLine Switches
 - 1.4. Configuration Files
 - 1.5. Scripts with a Different Name
 - 1.6. Interactive and Noninteractive Programs
 - 1.7. perl s Config ☒
- 1. Detecting and Reporting Errors
 - 1.1. Perl Error Basics
 - 1.2. Reporting Module Errors
 - 1.3. Exceptions
- 1. Loggin
 - 1.1. Recording Errors and Other Information
 - 1.2. Log4perl
- 1. Data Persistence
 - 1.1. Flat Files
 - 1.2. Storable
 - 1.3. DBM Files
- 1. Working with Pod

- 1.1. The Pod Format
- 1.2. Translating Pod
- 1.3. Testing Pod
- 1. The Magic of Tied Variables
 - 1.1. They Look Like Normal Variables
 - 1.2. At the User Level
 - 1.3. Behind the Curtain
 - 1.4. Scalars
 - 1.5. Arrays
 - 1.6. Hashes
 - 1.7. Filehandles
- 1. Modules As Programs
 - 1.1. The main Thing
 - 1.2. Backing Up
 - 1.3. Who s Calling? 
 - 1.4. Testing the Program
 - 1.5. Distributing the Programs