

## Xilinx Wiki Lttnng For Xilinx Zynq Linux

***Operating System Concepts continues to provide a solid theoretical foundation for understanding operating systems. The 8th Edition Update includes more coverage of the most current topics in the rapidly changing fields of operating systems and networking, including open-source operating systems. The use of simulators and operating system emulators is incorporated to allow operating system operation demonstrations and full programming projects. The text also includes improved conceptual coverage and additional content to bridge the gap between concepts and actual implementations. New end-of-chapter problems, exercises, review questions, and programming exercises help to further reinforce important concepts, while WileyPLUS continues to motivate students and offer comprehensive support for the material in an interactive format.***

***The Eclipse environment solves the problem of having to maintain your own Integrated Development Environment (IDE), which is time consuming and costly. Embedded tools can also be easily integrated into Eclipse. The C/C++CDT is ideal for the embedded community with more than 70% of embedded developers using this language to write embedded code. Eclipse simplifies embedded system development and then eases its integration into larger platforms and frameworks. In this book, Doug Abbott examines Eclipse, an IDE, which can be vital in saving money and time in the design and development of an embedded system. Eclipse was created by IBM in 2001 and then became an open-source project in 2004. Since then it has become the de-facto IDE for embedded developers. Virtually all of the major Linux vendors have adopted this platform, including MontaVista, LynuxWorks, and Wind River. \*Details the Eclipse Integrated Development Environment (IDE) essential to streamlining your embedded development process \*Overview of the latest C/C++ Developer's Toolkit (CDT) \*Includes case studies of Eclipse use including Monta Vista, LynuxWorks, and Wind River***

***This book contains the practical labs corresponding to the "Linux Kernel and Driver Development: Training Handouts" book from Bootlin. Get your hands on an embedded board based on an ARM processor (the Beagle Bone Black board), and apply what you learned: write a Device Tree to declare devices connected to your board, configure pin multiplexing, and implement drivers for I2C and serial devices. You will learn how to manage multiple devices with the same driver, to access and write hardware registers, to allocate memory, to register and manage interrupts, as well as how to debug your code and interpret the kernel error messages. You will also keep an eye on the board and CPU datasheets so that you will always understand the values that you feed to the kernel.***

***This book constitutes the proceedings of the 15th International Symposium on Applied Reconfigurable Computing, ARC 2019, held in Darmstadt, Germany, in April 2019. The 20 full papers and 7 short papers presented in this volume were carefully reviewed and selected from 52 submissions. In addition, the volume contains 1 invited paper. The papers were organized in topical sections named: Applications; partial reconfiguration and security; image/video processing; high-level synthesis; CGRAs and vector processing; architectures; design frameworks and methodology; convolutional neural networks.***

***Linux for Embedded and Real-time Applications***

***Faculty Development by Design***

***Linux Kernel in a Nutshell***

***Category Theory for Programmers (Scala Edition, Paperback)***

***Linux Kernel and Driver Development - Practical Labs***

***The GNU Source-level Debugger***

Practical Programming in Tcl/Tk, 4th edition Authoritative coverage of every Tcl and Tk command in the core toolkits State-of-the-art Tk GUI coverage for Tcl, Perl, Python, and Ruby developers Covers all key Tcl 8.4 enhancements: VFS, internationalization and performance improvements, new widgets, and much more Covers multi-threaded Tcl applications and Starkits, a revolutionary way to package and deploy Tcl applications The world's #1 guide to Tcl/Tk has been thoroughly updated to reflect Tcl/Tk8.4's powerful improvements in functionality, flexibility, and performance! Brent Welch, Ken Jones, and Jeffrey Hobbs, three of the world's leading Tcl/Tk experts, cover every facet of Tcl/Tk programming, including cross-platform scripting and GUI development, networking, enterprise application integration, and much more. Coverage includes: Systematic explanations and sample code for all Tcl/Tk 8.4 core commands Complete Tk GUI development guidance--perfect for developers working with Perl, Python, or Ruby Insider's insights into Tcl 8.4's key enhancements: VFS layer, internationalized font/character set support, new widgets, and more Definitive coverage of TclHttpd web server--written by its creator New ways to leverage Tcl/Tk 8.4's major performance improvements Advanced coverage: threading, Safe Tcl, Tcl script library, regular expressions, and namespaces Whether you're upgrading to Tcl/Tk 8.4, or building GUIs for applications created with other languages, or just searching for a better cross-platform scripting solution, Practical Programming in Tcl and Tk, Fourth Edition delivers all you need to get results!

Over 100 great recipes to effectively learn Tcl/Tk 8.5.

The only book to offer special coverage of the fundamentals of multicore DSP for implementation on the TMS320C66xx SoC This unique book provides readers with an understanding of the TMS320C66xx SoC as well as its constraints. It offers critical analysis of each element, which not only broadens their knowledge of the subject, but aids them in gaining a better understanding of how these elements work so well together. Written by Texas Instruments ' First DSP Educator Award winner, Naim Dahoun, the book teaches readers how to use the development tools, take advantage of the maximum performance and functionality of this processor and have an understanding of the rich content which spans from architecture, development tools and programming models, such as OpenCL and OpenMP, to debugging tools. It also covers various multicore audio and image applications in detail. Additionally, this one-of-a-kind book is supplemented with: A rich set of tested laboratory exercises and solutions Audio and Image processing applications source code for the Code Composer Studio (integrated development environment from Texas Instruments) Multiple tables and illustrations With no other book on the market offering any coverage at all on the subject and its rich content with twenty chapters, Multicore DSP: From Algorithms to Real-time Implementation on the TMS320C66x SoC is a rare and much-needed source of information for undergraduates and postgraduates in the field that allows them to make real-time applications work in a relatively short period of time. It is also incredibly beneficial to hardware and software engineers involved in programming real-time embedded systems.

Using the training lecture materials from Bootlin, learn how to build an embedded Linux entirely from scratch, using the same tools and resources as the embedded Linux community. Make you own cross-compiling toolchain, compile and install your bootloader and Linux kernel, make a custom root filesystem, manage your storage in an efficient and reliable way, cross-compile extra open-source component together with your own applications, implement real-time requirements and quickly get a working prototype! To run the practical labs, you will need an affordable electronic board, and volume 2 - "Training labs".

Spectrum Test Prep, Grade 1

Real-World Wireless Sensor Networks

Towards Ubiquitous Low-power Image Processing Platforms

Haptic and Audio Interaction Design

Korean

Open Source Systems

**Gerrard's Legacy A collection of powerful magical artifacts is the only defense against the forces of evil that are arrayed against Dominaria. Gerrard, the heir to the Legacy, together with Sisay, captain of the flying ship Weatherlight, has sought out many parts of the Legacy. Gerrard's Quest Sisay has been kidnapped by Volrath, ruler of the plane of Rath. Gerrard stands at a crossroads. His companion is in danger, the Legacy may be lost forever. Only he—with the loyal crew of the Weatherlight— can rescue Sisay and recover the Legacy.**

**This fascinating book features an introduction by maker and industrial designer, Daniel Charny, alongside contributions from international authors that explore contemporary attitudes towards skill, and the potential that skilled making offer the arts and creative industries. Seemingly disparate objects are brought together in a 'cabinet of curiosities' to unite and reinforce creative, cultural, social and educational points of view - all offering different ways of understanding the potent power that comes with making. The book poses incisive questions about the increasing distance people have from making, and the impact that deskilling and the deterioration of making knowledge may have on cultural production and society.**

**Presents an overview of kernel configuration and building for version 2.6 of the Linux kernel.**

**Build a Django content management system, blog, and social networking site with James Bennett as he introduces version 1.1 of the popular Django framework. You'll work through the development of each project, implementing and running the applications while learning new features along the way. Web frameworks are playing a major role in the creation of today's most compelling web applications, because they automate many of the tedious tasks, allowing developers to instead focus on providing users with creative and powerful features.**

**Python developers have been particularly fortunate in this area, having been able to take advantage of Django, a very popular open-source web framework whose stated goal is to "make it easier to build better web applications more quickly with less code." Practical Django Projects introduces this popular framework by way of a series of real-world projects.**

**Readers follow along with the development of each project, implementing and running each application while learning new features along the way. This edition is updated for Django 1.1 and includes an all-new chapter covering practical development tools and techniques you'll be able to apply to your own development workflow.**

**Practical Django Projects**

**Embedded Linux System Development**

**Training Handouts**

**17th IFIP WG 2.13 International Conference, OSS 2021, Virtual Event, May 12–13, 2021, Proceedings**

**Operating System Concepts**

**Software Technologies for Embedded and Ubiquitous Systems**

**This is the Scala edition of Category Theory for Programmers by Bartosz Milewski. This book contains code snippets in both Haskell and Scala.**

This book constitutes the refereed proceedings of the 17th IFIP WG 2.13 International Conference on Open Source Systems, OSS 2021, held virtually in May 2021. The 4 full papers and 3 short papers presented were carefully reviewed and selected from 23 submissions. The papers cover a wide range of topics in the field of free/libre open source software (FLOSS) and discuss theories, practices, experiences, and tools on development and applications of OSS systems, with a specific focus on two aspects:(a) the development of open source systems and the underlying technical, social, and economic issue, (b) the adoption of OSS solutions and the implications of such adoption both in the public and in the private sector.

Spectrum Test Prep Grade 1 includes strategy-based activities for language arts and math, test tips to help answer questions, and critical thinking and reasoning. The Spectrum Test Prep series for grades 1 to 8 was developed by experts in education and was created to help students improve and strengthen their test-taking skills. The activities in each book not only feature essential practice in reading, math, and language arts test areas, but also prepare students to take standardized tests. Students learn how to follow directions, understand different test formats, use effective strategies to avoid common mistakes, and budget their time wisely. Step-by-step solutions in the answer key are included. These comprehensive workbooks are an excellent resource for developing skills for assessment success. Spectrum, the best-selling workbook series, is proud to provide quality educational materials that support your students' learning achievement and success.

This book contains the practical labs corresponding to the "Embedded Linux System Development: Training Handouts" book from Bootlin. Get your hands on an embedded board based on an ARM processor (the Atmel/Microchip SAMA5D3 Xplained board), and apply what you learned to: make your own cross-compiling toolchain, compile and install your bootloader and Linux kernel, make a custom root filesystem, manage your storage in an efficient and reliable way, cross-compile extra open-source component together with your own applications, implement real-time requirements so that you can quickly turn your ideas into a working prototype!

Essential Node.js Security

Integrating Technology in Higher Education

Embedded Linux Development Using Eclipse

White Night Before a Manifesto

Modern Perl

Rath and Storm

Harness the power of Linux to create versatile and robust embedded solutions  
Key Features  
Learn how to develop and configure robust embedded Linux devices  
Explore the new features of Linux 5.4 and the Yocto Project 3.1 (Dunfell)  
Discover different ways to debug and profile your code in both user space and the Linux kernel  
Book Description  
Embedded Linux runs many of the devices we use every day. From smart TVs and Wi-Fi routers to test equipment and industrial controllers, all of them have Linux at their heart. The Linux OS is one of the foundational technologies comprising the core of the Internet of Things (IoT). This book starts by breaking down the fundamental elements that underpin all embedded Linux projects: the toolchain, the bootloader, the kernel, and the root filesystem. After that, you will learn how to create each of these elements from scratch and automate the process using Buildroot and the Yocto Project. As you progress, the book explains how to implement an effective storage strategy for flash memory chips and install updates to a device remotely once it's deployed. You'll also learn about the key aspects of writing code for embedded Linux, such as how to access hardware from apps, the implications of writing multi-threaded code, and techniques to manage memory in an efficient way. The final chapters demonstrate how to debug your code, whether it resides in apps or in the Linux kernel itself. You'll also cover the different tracers and profilers that are available for Linux so that you can quickly pinpoint any performance bottlenecks in your system. By the end of this Linux book, you'll be able to create efficient and secure embedded devices using Linux. What you will learn  
Use Buildroot and the Yocto Project to create embedded Linux systems  
Troubleshoot BitBake build failures and streamline your Yocto development workflow  
Update IoT devices securely in the field using Mender or balena  
Prototype peripheral additions by reading schematics, modifying device trees, soldering breakout boards, and probing pins with a logic analyzer  
Interact with hardware without having to write kernel device drivers  
Divide your system up into services supervised by BusyBox runit  
Debug devices remotely using GDB and measure the performance of systems using tools such as perf, ftrace, eBPF, and Callgrind  
Who this book is for  
If you're a systems software engineer or system administrator who wants to learn Linux implementation on embedded devices, then this book is for you. Embedded systems engineers accustomed to programming for low-power microcontrollers can use this book to help make the leap to high-speed systems on chips that can run Linux. Anyone responsible for developing new hardware that needs to run Linux will also find this book useful. Basic working knowledge of the POSIX standard, C programming, and shell scripting is assumed.

In parallel to the printed book, each new volume is published electronically in LNCS Online.

Korean: A Comprehensive Grammar is a reference to Korean grammar, and presents a thorough overview of the language, concentrating on the real patterns of use in modern Korean. The book moves from the alphabet and pronunciation through morphology and word classes to a detailed analysis of sentence structures and semantic features such as aspect, tense, speech styles and negation. Updated and revised, this new edition includes lively descriptions of Korean grammar, taking into account the latest research in Korean linguistics. More lower-frequency grammar patterns have been added, and extra

examples have been included throughout the text. The unrivalled depth and range of this updated edition of *Korean: A Comprehensive Grammar* makes it an essential reference source on the Korean language.

This edited book presents the results of the 5th Workshop on Real-world Wireless Sensor Networks (REALWSN). The purpose of this workshop was to bring together researchers and practitioners working in the area of sensor networks, with focus on real-world experiments or deployments of wireless sensor networks. Included were, nonetheless, emerging forms of sensing such as those that leverage smart phones, Internet of Things, RFIDs, and robots. Indeed, when working with real-world experiments or deployments, many new or unforeseen issues may arise: the network environment may be composed of a variety of different technologies, leading to very heterogeneous network structures; software development for large scale networks poses new types of problems; the performance of prototype networks may differ significantly from the deployed system; whereas actual sensor network deployments may need a complex combination of autonomous and manual configuration. Furthermore, results obtained through simulation are typically not directly applicable to operational networks; it is therefore imperative for the community to produce results from experimental research. The workshop collected the state of the art in emerging and current research trends dealing with Real-world Wireless Sensor Networks, with the aim of representing a stepping stone for future research in this field.

The Vidur-gita

15th International Symposium, ARC 2019, Darmstadt, Germany, April 9-11, 2019, Proceedings

Power of Making

The Maze of Ingenuity

Mastering Linux Device Driver Development

The Importance of Being Skilled

This book attempts to offer not just a bird's-eye view of the communities of designers project, but also to help identify broad themes and issues that can inform discussions and policies of technology integration at other institutions.

Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

From cathedrals to star wars, Arnold Pacey looks at the interaction of technologies and society over the last thousand years and uses that survey to argue for a more humane form of future technological development.

Linux® is being adopted by an increasing number of embedded systems developers, who have been won over by its sophisticated scheduling and networking, its cost-free license, its open development model, and the support offered by rich and powerful programming tools. While there is a great deal of hype surrounding the use of Linux in embedded systems, there is not a lot of practical information. *Building Embedded Linux Systems* is the first in-depth, hard-core guide to putting together an embedded system based on the Linux kernel. This indispensable book features arcane and previously undocumented procedures for: Building your own GNU development toolchain Using an efficient embedded development framework Selecting, configuring, building, and installing a target-specific kernel Creating a complete target root filesystem Setting up, manipulating, and using solid-state storage devices Installing and configuring a bootloader for the target Cross-compiling a slew of utilities and packages Debugging your embedded system using a plethora of tools and techniques Details are provided for various target architectures and hardware configurations, including a thorough review of Linux's support for embedded hardware. All explanations rely on the use of open source and free software packages. By presenting how to build the operating system components from pristine sources and how to find more documentation or help, this book greatly simplifies the task of keeping complete control over one's embedded operating system, whether it be for technical or sound financial reasons. Author Karim Yaghmour, a well-known designer and speaker who is responsible for the Linux Trace Toolkit, starts by discussing the strengths and weaknesses of Linux as an embedded operating system. Licensing issues are included, followed by a discussion of the basics of building embedded Linux systems. The configuration, setup, and use of over forty different open source and free software packages commonly used in embedded Linux systems are also covered. uClibc, BusyBox, U-Boot, OpenSSH, tftpd, tftp, strace, and gdb are among the packages discussed.

Practical Programming in Tcl/Tk

Proceedings of the 5th International Workshop, REALWSN 2013, Como (Italy), September 19-20, 2013

6th IFIP WG 10.2 International Workshop, SEUS 2008, Anacapri, Capri Island, Italy, October 1-3, 2008, Revised Papers

14th International Symposium, ARC 2018, Santorini, Greece, May 2-4, 2018, Proceedings

Ideas and Idealism in the Development of Technology

A Comprehensive Grammar

Hands-on and abundant with source code for a practical guide to Securing Node.js web applications. This book is intended to be a hands-on thorough guide for securing web applications based on Node.js and the ExpressJS web application framework. Many of the concepts, tools and practices in this book are primarily based on open source libraries and the author leverages these projects and highlights them. The main objective of the book is to equip the reader with practical solutions to real world problems, and so this book is heavily saturated with source code examples as well as a high level description of the risks involved with any security topic, and the practical solution to prevent or mitigate it.

This book summarizes the key scientific outcomes of the Horizon 2020 research project TULIPP: Towards Ubiquitous Low-power Image Processing Platforms. The main focus lies on the development of high-performance, energy-efficient embedded systems for the growing range of increasingly complex image processing applications. The holistic TULIPP approach is described in the book, which addresses hardware platforms, programming tools and embedded operating systems. Several of the results are available as open-source hardware/software for the community. The results are evaluated with several use cases taken from real-world applications in key domains such as Unmanned Aerial Vehicles (UAVs), robotics, space and medicine. Discusses the development of high-performance, energy-efficient embedded systems for the growing range of increasingly complex image processing applications; Covers the hardware architecture of embedded image processing systems, novel methods, tools and libraries for programming those systems as well as embedded operating systems to manage those systems; Demonstrates results

with several challenging applications, such as medical systems, robotics, drones and automotive.

Master the art of developing customized device drivers for your embedded Linux systems  
Key Features Stay up to date with the Linux PCI, ASoC, and V4L2 subsystems and write device drivers for them  
Get to grips with the Linux kernel power management infrastructure  
Adopt a practical approach to customizing your Linux environment using best practices  
Book Description Linux is one of the fastest-growing operating systems around the world, and in the last few years, the Linux kernel has evolved significantly to support a wide variety of embedded devices with its improved subsystems and a range of new features. With this book, you'll find out how you can enhance your skills to write custom device drivers for your Linux operating system. Mastering Linux Device Driver Development provides complete coverage of kernel topics, including video and audio frameworks, that usually go unaddressed. You'll work with some of the most complex and impactful Linux kernel frameworks, such as PCI, ALSA for SoC, and Video4Linux2, and discover expert tips and best practices along the way. In addition to this, you'll understand how to make the most of frameworks such as NVMEM and Watchdog. Once you've got to grips with Linux kernel helpers, you'll advance to working with special device types such as Multi-Function Devices (MFD) followed by video and audio device drivers. By the end of this book, you'll be able to write feature-rich device drivers and integrate them with some of the most complex Linux kernel frameworks, including V4L2 and ALSA for SoC. What you will learn  
Explore and adopt Linux kernel helpers for locking, work deferral, and interrupt management  
Understand the Regmap subsystem to manage memory accesses and work with the IRQ subsystem  
Get to grips with the PCI subsystem and write reliable drivers for PCI devices  
Write full multimedia device drivers using ALSA SoC and the V4L2 framework  
Build power-aware device drivers using the kernel power management framework  
Find out how to get the most out of miscellaneous kernel subsystems such as NVMEM and Watchdog  
Who this book is for This book is for embedded developers, Linux system engineers, and system programmers who want to explore Linux kernel frameworks and subsystems. C programming skills and a basic understanding of driver development are necessary to get started with this book.

In this applications-oriented reference, Doug Abbott shows how to put Linux to work in embedded and real-time applications. Among the topics Abbott discusses include memory management, device drivers, interrupt handling, kernel instrumentation, bootloaders, embedded networking, inter-task communications, periodic vs. "one shot" timing, POSIX threads, hardware abstraction layers, and program debugging. Abbott uses numerous real-world examples to show how implement a variety of embedded applications using Linux. Abbott discusses the strengths and weaknesses for embedded applications of different implementations of Linux, and he also examines the different real-time extensions for Linux. This book incorporates many programming exercises with solutions. All code listings are provided on the accompanying CD-ROM, as well as an electronic version of the text. \*Fully describes the use of Linux operating system for embedded and real-time applications \*Covers advanced topics such as device drivers, kernel implementation, POSIX threads \*The CD accompanying the book includes an electronic version of the book as well as related software tools and code listings

Tcl/Tk 8.5 Programming Cookbook

Man the Masterpiece Or Plain Truths Plainly Told

Write custom device drivers to support computer peripherals in Linux operating systems

Building Embedded Linux Systems

Linux Kernel and Driver Development: Training Handouts

The Performance of Open Source Applications

The following list describes what you can get from this book: Information that lets you get set up to develop using the Yocto Project. Information to help developers who are new to the open source environment and to the distributed revision control system Git, which the Yocto Project uses. An understanding of common end-to-end development models and tasks. Information about common development tasks generally used during image development for embedded devices. Information on using the Yocto Project integration of the QuickEMUlator (QEMU), which lets you simulate running on hardware an image you have built using the OpenEmbedded build system. Many references to other sources of related information.

Using the training lecture materials from Bootlin, learn how to make the Linux kernel support new hardware, both for driving new devices and for supporting a new board. You will get familiar with how Linux abstracts the hardware and how it uses buses to bind devices to drivers. This book also covers the infrastructure that Linux offers to support device driver development: managing memory, mapping registers, registering interrupt handlers, locking and debugging primitives. To run the practical labs, you will need an affordable electronic board, and the corresponding - "Training Labs" booklet.

Yocto Project Development Manual

This book includes selected papers of the 6th IFIP WG 10.2 International Workshop on Software Technologies for Future Embedded and Ubiquitous Systems, SEUS 2008, held on Capri, Italy, in October 2008. The 38 revised full papers presented were carefully reviewed and selected. The papers are organized in topical sections on model-driven development; middleware; real time; quality of service and performance; applications; pervasive and mobile systems: wireless embedded systems; synthesis, verification and protection.

5th International Workshop, HAID 2010, Copenhagen, Denmark, September 16-17, 2010, Proceedings

Precalculus with Limits: A Graphing Approach, AP\* Edition

Speed Precision, and a Bit of Serendipity

## Multicore DSP

Create fast and reliable embedded solutions with Linux 5.4 and the Yocto Project 3.1 (Dunfell)

In 1974, Donald Knuth wrote, "We should forget about small efficiencies, say about 97%% of the time: premature optimization is the root of all evil."

With computers available now that are millions of times faster than those available then, today's programmers have even less reason to worry about shaving cycles and saving bytes than those a generation ago. But "less" isn't "none": every once in a while, squeezing the last ounce of performance out

of the machine really does matter. This book is written by over a dozen developers who have grappled with slow code, memory leaks, or uncontrollable latency in open source software. They share their mistakes and successes, and give the reader an over-the-shoulder view of how they approached their specific challenges. With examples from bioinformatics research code to web browsers, the solutions are as varied as the problems. This book will help junior and senior developers alike understand how their colleagues think about performance.

This book constitutes the proceedings of the 14th International Conference on Applied Reconfigurable Computing, ARC 2018, held in Santorini, Greece, in May 2018. The 29 full papers and 22 short presented in this volume were carefully reviewed and selected from 78 submissions. In addition, the volume contains 9 contributions from research projects. The papers were organized in topical sections named: machine learning and neural networks; FPGA-based design and CGRA optimizations; applications and surveys; fault-tolerance, security and communication architectures; reconfigurable and adaptive architectures; design methods and fast prototyping; FPGA-based design and applications; and special session: research projects.

A Perl expert can solve a problem in a few lines of well-tested code. Now you can unlock these powers for yourself. Modern Perl teaches you how Perl really works. It's the only book that explains Perl thoroughly, from its philosophical roots to the pragmatic decisions that help you solve real problems--and keep them solved. You'll understand how the language fits together and discover the secrets used by the global Perl community. This beloved guide is now completely updated for Perl 5.22. When you have to solve a problem now, reach for Perl. When you have to solve a problem right, reach for Modern Perl. Discover how to scale your skills from one-liners to asynchronous Unicode-aware web services and everything in between. Modern Perl will take you from novice to proficient Perl hacker. You'll see which features of modern Perl will make you more productive, and which features of this well-loved language are best left in the past. Along the way, you'll take advantage of Perl to write well-tested, clear, maintainable code that evolves with you. Learn how the language works, how to take advantage of the CPAN's immense trove of time-tested solutions, and how to write clear, concise, powerful code that runs everywhere. Specific coverage explains how to use Moose, how to write testable code, and how to deploy and maintain real-world Perl applications. This new edition covers the new features of Perl 5.20 and Perl 5.22, including all the new operators, standard library changes, bug and security fixes, and productivity enhancements. It gives you what you need to use the most up-to-date Perl most effectively, all day, every day. What You Need: Perl 5.16 or newer (Perl 5.20 or 5.22 preferred). Installation/upgrade instructions included.

Yocto Project Development Manual

Practical Labs

Applied Reconfigurable Computing. Architectures, Tools, and Applications

Debugging with GDB

Mastering Embedded Linux Programming

From Algorithms to Real-time Implementation on the TMS320C66x SoC