# Advanced Programming in the UNIX Environment

**Third Edition** 

W. Richard Stevens Stephen A. Rago

# **Advanced Unix Programming Warren W Gay**

**Greg Lehey** 

### **Advanced Unix Programming Warren W Gay:**

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<u>Linux Socket Programming by Example</u> Warren Gay,2000 This guide for beginning to intermediate programmers offers step by step instructions as well as advice on protecting servers from attack writing programs to determine socket buffer sizes setting the TCP IP keep alive feature understanding the differences between connection and connectionless oriented protocols and selecting the most effective client and server interface \*\*Raspberry Pi System Software Reference\* Warren Gay,2014-11-24 Raspberry Pi is Linux but it s a unique flavor of Linux specifically for the ARM based Pi Raspberry Pi Software Reference guides you through the boot process including options for tweaking HDMI memory and other boot options You ll learn the details of run levels and creating new services and how to use the custom command vogencmd for

doing things like reporting temperature clock speeds and voltage And while there are cross compilers available for some flavors of Linux one of the most important things you ll get from Raspberry Pi Software Reference is how to build your own Raspberry Pi cross compiler on your Mac OSX Linux or Windows computer Exploring the Raspberry Pi 2 with C++ Warren Gay, 2015-11-26 You have a Pi 2 but what exactly can you do with it This book takes you on a tour of the Pi 2 hardware and all of the fantastic things that you can do to create innovative and useful projects with your Pi Start with creating a workstation that does actual work and move into installing a custom kernel creating a clock learning the installing acustom kernel creating acreating acrea outs of the GPIO interface and pick up some useful C skills along the way Warren Gay author of Mastering the Raspberry Pi takes you through a set of experiments to show just what the Pi 2 is capable of and how you can use it to make your own fantastic creations What You Will Learn How to create an experimenter's workstation for the Pi 2 complete with breadboard and even Arduino All the details of GPIO including a custom command for working with it Useful projects like a general purpose clock and the PiSpy Quick intro to C for the Pi How to make a multi core webserver Who this book is for Intermediate electronics enthusiasts and Pi fans makers students teachers and everyone who wants to know how to make the Pi really work **Advanced Raspberry Pi** Warren Gay, 2018-10-24 Jump right into the pro level guts of the Raspberry Pi with complete schematics and detailed hardware explanations as your guide You ll tinker with runlevels reporting voltages and temperatures and work on a variety of project examples that you can tune for your own project ideas This book is fully updated for the latest Pi boards with three chapters dedicated to GPIO to help you master key aspects of the Raspberry Pi You ll work with Linux driver information and explore the different Raspberry Pi models including the Pi Zero Pi Zero W Pi 2 Pi3 B and Pi3 B You ll also review a variety of project examples that you can tune for your own project ideas Other topics covered include the 1 Wire driver interface how to configure a serial Linux console and cross compile code including the Linux kernel You ll find yourself turning to Advanced Raspberry Pi over and over again for both inspiration and reference Whether you re an electronics professional an entrepreneurial maker or just looking for more detailed information on the Raspberry Pi this is exactly the book for you What You ll Learn Master I2C and SPI communications from Raspbian Linux in C Program USB peripherals such as a 5 inch LCD panel with touch control and the Pi camera Study GPIO hardware the sysfs driver interface and direct access from C programs Use and program the UART serial device Who This Book Is For Advanced Raspberry Pi users who have experience doing basic projects and want to take their projects further **Book Review Index** ,2003 Vols 8 10 of the 1965 1984 master cumulation constitute a title index Mastering the Raspberry Pi Warren Gay, 2014-09-17 You probably already know that the Raspberry Pi is an excellent teaching tool If you want to teach Linux basics or Python programming or basic electronics it s a great place to start But what if you are an electronics engineer or a Linux systems administrator or a very experienced maker You want to know all of the details and inner working of the Raspberry Pi how to figuratively or maybe even literally make it get up and dance without wading through basics and

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