Instant Buildroot

Daniel Manchón Vizuete

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In Detail

Nowadays, there is a computer in almost any device that you can imagine. These low power,task-specific machines are programmed usually to execute very specific tasks. The most common way to build this software is using Linux, but some fine-tuning is needed to fit your specifications in such restrained machines. This is where Buildroot really comes into its ownas a great tool to generate and configure a Linux system, as it allows you to tune your system in every way to be small, fast, efficient, and safe.

Instant Buildroot is a practical, hands-on guide that provides you with a number of clear, step-by-step recipes which will help you to build your own custom embedded system that meets all of your requirements in terms of size, speed, and software functionality.

Instant Buildroot uses practical examples and step-by-step recipes to help you generate, configure, and deploy a Linux system in any target machine. This book will get you started with generating your system depending on your target hardware and will help you compile and configure the right bootloader options that fit your requirements. You will also learn how to add support to your board peripherals using Linux modules and finally how to install common software packages like QT GUI or a light web server.

Approach

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. A concise guide full of step-by-step recipes to help you learn how to generate and configure an embedded Linux system using Buildroot.

Who this book is for

Instant Buildroot is for developers who want to know how to use Buildroot tools to generate and configure their own embedded system. It is assumed that the reader has some experience with Linux and basic programming and is familiar with basic hardware development boards.

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Shawn Hodgin:

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Wanda Woods:

Typically the book Instant Buildroot has a lot of knowledge on it. So when you check out this book you can get a lot of profit. The book was written by the very famous author. The writer makes some research previous to write this book. This kind of book very easy to read you can find the point easily after reading this book.

Nicole Dilbeck:

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