

Linux Programming By Example The Fundamentals

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Linux Programming By Example The

Overview A processor understands bytecode instructions specific to that architecture. We as humans use mnemonics to make building these instructions easier than remembering a bunch of binary codes.

Linux X86 Assembly - How to Build a Hello World Program in NASM

BPF lets programmers execute custom bytecode within the kernel without having to change the kernel or load kernel modules. In this article, we will review what eBPF is, what it does, and how it

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works.

A Gentle Introduction to eBPF

Although bash scripts are regularly maligned, they do have a certain simplicity and ease of creation that makes them hard to resist. But sometimes you really need to do some heavy lifting in ...

Linux Fu: Mixing Bash And Python

Red Hat's community Linux distribution Fedora has always been popular with open-source and Linux developers, but this latest release, Fedora 34 seems to be something special. As Matthew Miller, Fedora ...

The most popular Fedora Linux in years rolls out

But one that has surprised me for good is The Passage, a 2D platformer with a programming component. Logically, this is not a game to learn to program complicated applications or advanced scripts, but ...

The Passage, the result of mixing 2D platforms with programming

Commentary: It's not really very interesting that University of Minnesota researchers introduced bugs into the Linux kernel. What matters is what would have happened next.

Linux kernel security uproar: What some people missed

XNU in Linux userspace. Contribute to meme/limbo development by creating an account on GitHub.

XNU in Linux userspace

One of the event's significant announcements was Red Hat's plan to deliver the first functionally safe, continuously certified Linux platform for vehicles.

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Red Hat's Virtual Summit Aims Latest Linux Technology

These days, embedded systems often have networks and that can make them significantly more complex. Networks are usually pretty nondeterministic and there are a variety of oddball conditions. For ...

Linux Fu: A Little Bit Of (Network) History Repeating Itself

You can use it for free, and even distribute it as part of your products at no charge. The developers of Rclone accept donations through GitHub sponsorships, PayPal, Patreon, Bitcoin, and Liberapay.

Rclone: What is it, and should you use this service?

The University of Minnesota's path to banishment was long, turbulent, and full of emotion On the evening of April 6th, a student emailed a patch to a list of developers. Fifteen days later, the ...

How a university got itself banned from the Linux kernel

In this guide, we'll look into the most interesting new features and changes available in the last four previews of Windows 10, including build 21364, 21359, 21354, and 21343.

Windows 10 build 21364 (earlier): Everything you need to know

Open-source software giant Red Hat Inc. is positioning its flagship operating system as the basis for multiple types of computing workloads at the edge of the network. The company said today the ...

Red Hat extends its focus to the network edge

After bringing support for the systems programming language ... To show where Rust can benefit Linux kernel developers, Google has developed an example driver called 'semaphore'. " ...

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Google backs effort to bring Rust to the Linux kernel

Google and The Linux Foundation recently announced that Google will ... start building technology that can prevent entire classes of issues." A great example here is programming with memory-safe

...

Google's Vested Interest in Linux Security

In this post, we discuss some technical aspects of this work using a few simple examples," he wrote. Android uses a modified Linux kernel ... a wonderful thing for programming simplicity, it's ...

Rust support in Linux may be possible by 5.14 release: Torvalds

Members of the Windows Insider program running build 21364 or later can enable support for Linux GUI apps by either ... and buy something on Amazon, for example, we'll get a small commission).

Microsoft brings desktop Linux apps to Windows 10 Insiders, GUI and all

Red Hat, Inc., the world's leading provider of open source solutions, today announced that it has expanded Red Hat Insights, its predictive analytics offering, across the open hybrid cloud with the

...

Red Hat Reduces Cost and Complexity of Managing Hybrid Clouds with Expanded Red Hat Insights

One of the best examples of a community of interest coming together to create safety-critical applications and systems is the Linux Foundation's ELISA (Enabling Linux in Safety Applications) Project.

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