Introducing nmrcOS

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Scope

Hackers
System administrators
Distro builders
Overall goals for the project

Stable, secure, trusted system
Intended users
Intended uses
History of the Project

Initial approach
Analysis of problems
Solution

How nmrcOS changed to solve these problems
Rationale for these choices
Noted Features of nmrcOS

Debian based OS (easy to install, supports most hardware)
Kernel mods
Customized apps
Kernel

Linux 2.2.25
Openwall kernel patch (overflow protection, etc)
HAP Linux kernel patch (better chroot, extra logging, etc)
Trusted path enforced in kernel
Random IPIds
Modified Applications

Customized Pine 4.56
Sendmail 8.12.9

Why we chose it, and why we rebuilt and used "unstable" Bastille Linux auto-loaded and ran by default
Other Features

Installs and boots up in a locked-down state
Host and network based intrusion detection included
Includes many security, encryption and privacy tools
Demonstration of nmrcOS

Live demo of the installation procedure
Configuration of nmrcOS

How to maintain/upgrade an nmrcOS system
Developing for nmrcOS

Creating a non-kernel package
Creating a kernel package
Distributing your package
Creating your own distro based on nmrcOS
Future of nmrcOS

Plans for future revisions of the system
Questions and Followup

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