What is ProteanOS?

ProteanOS is an operating system innovatively designed and built from scratch for a wide range of embedded devices, with inspiration from other successful operating systems. Guided by commitments to technical excellence and community values, ProteanOS is built on industry-standard and enterprise-quality technology and aims to provide a competitive solution in a wide variety of applications – from personal electronics and automotive systems to robotics and digital signage.

ProteanOS seeks to combine the ease of setup found in most desktop and enterprise operating systems with the flexibility and configurability found in many other embedded operating systems.

ProteanOS™

http://www.proteanos.com/

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Universal Embedded Operating System

ProteanOS

Freedom

All of the software in ProteanOS is free/libre and open source – it can be used, modified, and distributed without restriction. This allows the developers to effectively support the software and ensures that vendors and users remain in control of the technology they use.

Flexibility

ProteanOS can be made to run on just about any hardware that can support an operating system and made to work with a variety of UNIX®-like kernels (currently supported is Linux®) and system libraries.

ProteanOS and its programs and libraries can also be configured to serve virtually any use case.

Size

ProteanOS is designed to be as small as possible. Only essential programs and libraries are installed by default. And each software package is stripped down as much as possible.

Additionally, many of the programs that ProteanOS provides are small yet fully-functional and designed with the resource constraints of embedded systems in mind.

Speed

Many of the software packages provided by ProteanOS are built with performance optimizations, and ProteanOS as a whole is built to take advantage of all the best performance features available for the hardware on which it runs.

And ProteanOS starts running in just a few seconds, thanks to its simple and lightweight boot process.

Contributing to ProteanOS

ProteanOS needs innovative and knowledgable contributors who are interested in exploring new designs and solving interesting problems.

Developers are needed to design and develop new and existing software in C and shell command language.

Maintainers are needed to package software programs and libraries.

Technical writers are needed to develop specifications and policies.

See the wiki for more information:

   http://www.proteanos.com/dev/

Join the developers on IRC:

   irc://chat.freenode.net/#libiquity

Help shape the future of this cutting-edge operating system!