



## GNUPro™ for FR400 uClinux Development

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### Overview

Red Hat's GNUPro toolsuite for Fujitsus' FR-V family of processor cores provides:

- Easy-to-install versions of the full suite of industry-standard GNU development tools and libraries for FR-V core development
- Reference ports of the uClinux kernel and a root filesystem for three hardware platforms from Fujitsu
- GNUPro documentation, including a "Getting Started" guide and tutorials
- Fast, knowledgeable support through direct access with our world-class support experts

This new release includes support for a new ABI designed to support dynamic shared libraries on the MMU-less uClinux platform.

### Description

GNUPro, recognized as the world's most popular embedded development tools suite, is a collection of tools and runtime technologies that enables the creation, deployment, and testing of target software components for devices.

The core of the GNUPro toolsuite and development kit includes specially configured, built, tested, and supported versions of the GNU development tools and runtime technologies:

- GCC version 3.4-frv-040116
- GDB version 6-frv-040116
- Insight, the graphical debugger interface, version 6 frv-040116
- GNU binutils version 2.14-frv-040116
- uClinux kernel based on the 2.4 Linux kernel
- uClibc, a royalty free, small footprint C runtime library
- A pre-built root filesystem of popular packages

Three hardware platforms are supported by this release: the FR-403 PDK, as well as the FR-403 and FR-405 VDK platforms.

The package contents of the root filesystem include boa, busybox, bzip2, coreutils, dhcp, gawk, linux-ftp, netkit-base, netkit-ftp, netkit-routed, netkit-telnet, netkit-tftp, net-snmp, nfs-utils, ntp, open-ssh, openssl, portmap, rda, samba, smtpclient, tinylogin, w3c-libwww, xmlrpc-c, zlib and more.

This latest release of Red Hat's GNUPro for the FR-V architecture runs on Red Hat Enterprise Linux v.3 for x86.



## Availability

Support offerings for GNUPro version frv-040116 are available immediately.

See <http://www.redhat.com/embedded> for more information.

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