Foundry27: QNX's Open Development portal breaks the 10,000 members mark!

In September of last year, QNX Software Systems made available its source code and launched a new community portal for open development - Foundry27. To read more, visit: http://www.qnx.com/news/pr_2471_2.html

Below is an update on what's been happening since then. In particular, we have released more source packages that might be of interest to you.

If you have any questions, please contact me.

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Here's a sample of some of the great things happening in our community:

Foundry27 Stats

Since the launch of Foundry27, there are:

- over 10,000 members
- an average of over 500 posts per month - 50/50 between QNX and non-QNX members
- double the number of projects hosted on Foundry27

These numbers show we've maintained a strong and steady pace of interest and momentum since the launch.

In January alone, close to 40 different companies had a Foundry27 member actively participate in the forums:

amet.it	*ats-global.com*	*beaconpower.com*
bem.fki-et.com	*cisco.com*	*de.bosch.com*
deuta.de	*devicescape.com*	*diamondsystems.com*
edocorp.com	*eleks.lviv.ua*	*etas.de*
fpc.com.tw	*gaiotto.it*	*globaledgesoft.com*
gmx.de	*harmanbecker.com*	*hcl.in*
lge.com	*men-france.fr*	*microstep-hdo.sk*
optonova.se	*presagis.com*	*pulskraft.de*
quantum.com.pl	*sgl.com*	*siemens.com*
sysrtime.com	*taec.toshiba.com*	*telelogic.com*
tenasys.com	*tiscali.it*	*transitive.com*
tridium.com	*ttinorte.es*	*willtek.com*
zebra.com	*zinformatic.com*	

Milestones

Networking Project:

In mid-November we launched the Networking Project and published the io-pkt source code. (http://www.qnx.com/news/pr_2695_1.html) Io-pkt is a new networking infrastructure (protocols, drivers, utilities) that much more closely tracks the NetBSD stack source. The project attracted close to 350 forums postings since its creation. The Milestone 0 build was downloaded ~100 times.

In January we published the source code for transparent distributed processing (TDP), aka Qnet. TDP is a groundbreaking technology that brings the power of peer-to-peer networking to the world of embedded systems. http://www.qnx.com/news/pr_2756_1.html

QNX Operating System Project:

Trinity II milestone builds have been published on a regular basis; last week the M4 build was made available. The project's forums are still quite active with over 750 posts to date; excluding code review requests.

QNX Foundation Classes Project:

C++ class library implementing many of the common QNX paradigms (e.g. resource managers, IPC, etc.).

pkgsrc Project:

The pkgsrc project, initiated by Sean Boudreau and Xiaodan Tang in October, is a great success. QNX is now included in the list of supported platforms on NetBSD (http://www.netbsd.org/docs/software/packages.html)! We've got about 1000 open source apps that have been ported to x86 using the pkgsrc infrastructure and we're working towards supporting as many as possible as 8000 apps available in the mainstream pkgsrc builds.

Core Development Tools Project:

We published updates to our gcc 4.2.1, binutils 2.17 and gdb 6.7 experimental drops.

IDE Project:

Integration builds of the next release have been posted on a bi-weekly basis. Some customers downloaded these experimental builds to gain early access to fixes they requested. This allowed them to raise issues with the new release that we may not have uncovered through our own internal tests before GA.

BSPs and Drivers Project:

Five new BSPs were posted since December 21st, 4 being experimental drops. More are coming very soon.

Patches:

We started announcing patch released on the Foundry27 home page, making it easier for our customers to track updates from a single location.

Adaptive Partitioning Project:

We have now published our patented CPU partitioning technology.

New Look:

The look of the Foundry27 homepage has changed in order to ease the addition of content and help the discovery of new items.

Short-term Roadmap

dtrace project:: We will seed a project for the port of the dtrace utility in Q2

Ethernet AVB Project: We are working with Harman Pro to create a project where a reference implementation of the Ethernet AVB standard.

Filesystem Project:: We will release our filesystem source in a new Filesystem project in Q2

Drivers-drivers-drivers: Because drivers are the most often requested source code, we plan to accelerate the "open sourcing" of drivers. A USB project is also very likely.

QNX OS Project: We will make more tools/utilities source code available.

Athens 6.4 Milestone Build: In Q1-Q3, we will release milestone builds of Athens 6.4

Defect Tracker: We currently target Q2 to enable the project defect trackers.

Press Releases

Source Code to QNX Neutrino Secure Partitioning Now Available

QNX Software Systems publishes the source code for QNX Neutrino adaptive partitioning, an innovative software technology that enhances system security, simplifies software integration, and brings the benefits of time and memory partitioning to multi-core designs.

To read more, visit: http://www.qnx.com/news/pr_2815_1.html

QNX Hits the Streets with Nav N Go for 3D Navigation

QNX Software Systems is mapping a new course in the area of 3D navigation, thanks to a new alliance with software company Nav N Go. When used in tandem, the rich multimedia capabilities of QNX Aviage® middleware products, the fault-tolerant architecture of the QNX Neutrino RTOS, and the 3D map technologyof the Nav N Go iGO8 software provide a fully integrated end-user navigation and entertainment experience

To read more, visit: http://www.qnx.com/news/pr_2814_1.html