Resume

Name: Wanlong Gao

Email: wanlong.gao@gmail.com

Github: gaowanlong

Blog: blog.allenx.org

Handset: 18136850535

WORK EXPERIENCE

Senior Software Engineer (EasyStack, 2015.09~2016.09)

- ▸ Maintain the internal Linux Kernel tree
- ▸ Support the Linux system for our clients
- ▸ Develop the upstream openstack/kolla project
- ▸ Develop the internal distributed storage product
- ▸ Contribute to the Ceph project community

Linux Software Engineer (Fujitsu, 2011.07~2015.09)

0day/LKP+(0day Linux Kernel Performance, Lead by Fengguang Wu)

- ▸ One of the main developers
- ▸ Fix daily bugs and develop new features(like multi-node framework)
- ▸ Find and add the useful benchmarks to our framework

Linux Virtualization

- ▸ Implement the virtqueue affinity for virtio-net and virtio-scsi, which improve the performance of them, especially after doing cpu hotplug
- ▸ Help implement the virtio-scsi multi-queue feature, which can improve the performance of virtio-scsi about 30%
- ▸ Help review some virtio related patches
- ▸ Implement the NUMA binding of QEMU to improve the performance of cross node qemu-kvm guest
- ▸ Add many new APIs, features and fix many bugs of libguestfs
- ▸ Fix bugs of virt-clone tool
- ▸ Co-author of the virt-sysprep tool

LTP(Linux Test Project)

- ▸ Co-maintainer of LTP, review and commit a part of patches in community
- ▸ Report and fix bugs found by LTP on RedHat Enterprise Linux
- ▸ Report and fix upstream Linux Kernel bugs which found by LTP
- ▸ Fix the bugs of LTP to improve the quality of test cases
- ▸ Add new test cases to improve the coverage of LTP

Linux Driver Engineer (Hisense, 2010.07~2011.06)

Linux Power managemant and input subsystem driver

- ▸ Develop and maintain android smartphone power charger driver
- ▸ Develop and maintain android smartphone keypad and touchpad driver
- ▸ Reviewed many upstream input subsystem patches
- ▸ Wrote the device driver-model kerneldoc for upstream kernel

OPEN SOURCE CONTRIBUTION

Linux Kernel contribution: (66 patches)

`http://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/log/?qt=grep&q=Wanlong`

Libguestfs contribution: (74 patches, co-author of virt-sysprep tool)

`https://github.com/libguestfs/libguestfs/commits/master?author=gaowanlong@cn.fujitsu.com`

`http://libguestfs.org/virt-sysprep.1.html#authors`

LKP+(Linux Kernel Performance) contribution: (545 patches for opensource part)

`https://git.kernel.org/cgit/linux/kernel/git/wfg/lkp-tests.git/log/?qt=grep&q=Wanlong`

LTP(Linux Test Project) contribution: (244 patches, co-maitainer)

`https://github.com/linux-test-project/ltp/commits/master?author=gaowanlong@cn.fujitsu.com`

`http://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/tree/MAINTAINERS?h=v4.4#n6591`

QEMU contribution: (7 patches, NUMA binding feature co-author)

NUMA binding patches: `https://lists.gnu.org/archive/html/qemu-devel/2013-12/msg00568.html`

`http://git.qemu.org/?p=qemu.git&a=search&h=HEAD&st=commit&s=Wanlong`

virt-clone contribution:

`https://git.fedorahosted.org/cgit/python-virtinst.git/log/?qt=grep&q=Wanlong`

OpenStack contribution: (69 commits)

`http://stackalytics.com/?metric=commits&project_type=openstack&release=all&user_id=wanlong-gao`

EDUCATION

Northeastern University (2006~2010, Bachelor)

INTERESTS

Read Linux related paper (kernel, virtualization and storage)
Chinese Calligraphy

SKILLS

Many years of Linux administrator and development experience (since 2008)

Good knowledge and experience of Linux Kernel and Virtualization

Good knowledge and experience of writing code in C, shell, ruby, python