

欢迎第一次加入的伙伴(开会时请从下一页开始展示)

- 开放编辑, 直接点击 request for edit 然后在东亚时区群里at吴伟
- 如果没有找到自己的内容分类, 可以添加1-2页在最开始或中间
- 欢迎在开始的前5分钟进行自我介绍
- 日常八卦在东亚时区RISC-V双周同步微信群中, 欢迎加入

东亚时区RISC-V双周会

2023年08月17日·第062次

<https://github.com/cnrv/RISCV-East-Asia-Biweekly-Sync>

Host: 李威威

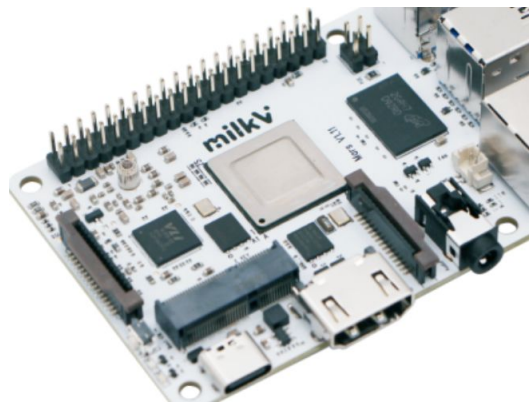
Organizer: PLCT Lab plct-oss@iscas.ac.cn

会议议程(15:00 - 16:00)

- 自我介绍、等待参会者接入、非技术话题八卦(没有的话就直接跳过)
- RVI 的更新和八卦(基本上跟东亚双周会群内消息同步)
- Unratified Specs 的参考实现进展
- 东亚地区小伙伴的项目更新
- 自由讨论

RISC-V International 同步、全球开源社区八卦

1. RISC-V 中国峰会[日程](#)；8月21日-27日北京
2. [高通](#)参与成立RISC-V芯片公司
3. 首批RISC-V笔记本电脑ROMA已成功交付
4. 平头哥宣布举办[玄铁RISC-V应用创新大赛](#)
5. 全球首款信用卡大小的RISC-V单板计算机[Mars](#)正式发售
6. [RISC-V Expanding In China](#)
7. 赛昉科技重磅发布[全新RISC-V处理器内核及多核子系统IP平台](#)



SiFive Open Source Software (Hong-Rong Hsu 許宏榮)

- Android oriented RVV libraries.
 - Upstreamed
 - [Libc/Bionic/Glibc/](#)
 - [Libyuv](#)
 - [Zlib-ng](#)
 - On-going
 - OpenSSL (based on [VRULL's patch](#))
 - [zstd](#)
 - [ffmpeg](#)
- OpenXLA/IREE
 - [Cross build for RISC-V and RVV code-gen](#)
 - [e2e Performance dashboard](#). Run on X280 FPGA

RISC-V 韩语社区的同步与八卦

- 三星联合现代集团投资Tenstorrent一亿美元
 - NPU、车载半导体、Fabless
 - Tenstorrent正在联合LG开发基于RISC-V的用于智能电视的产品
- 三星急于摆脱4纳米制程的良率质疑
 - 7月，” 明年年末三星美国泰勒工厂将开始4纳米量产产品的出货，主要服务于美国客户 “
 - Groq选择Samsung Foundry
- 三星研究所新一代家电研究组旗下新设了"智能家庭AI实验室"，开发基于AI的智慧家电业务

RISC-V 日语社区的同步与八卦

日语社区本周暂无更新

RISC-V 俄语社区的同步与八卦

UDV集团推出俄罗斯首款基于RISC-V架构的防火墙



RISC-V GCC进展

- Ztso的GCC patch已合入上游: [Ztso atomic mapping](#)
- 正在讨论R_RISCV_RELAX在rvc与非rvc下的链接器松弛处理:

[Compressed and Non-compressed Relaxations in the Same Object](#)

- SIG toolchain讨论了RISC-V Profiles中各种新扩展(ziccif, zihintpause等)对工具链的行为影响, 近期会产生一份新的关于-march说明的文档
- 更新了密码学标量(Zk*)扩展的intrinsic API规范, 添加了Bitmanip使用intrinsic的说明:

[RISC-V B.K扩展 Intrinsic API规范提案](#)

- Zihintntpause的RFC patch正在Review中: [RISC-V: Make builtin_riscv_pause 'Zihintpause' only](#)
- Zc扩展的草案更新至1.0.4-1合并了之前提出的/d依赖: [Add F/D to Zcf/d's depending relations](#)
- Zca/b/f/d的gcc支持已合入上游: [RISC-V: Support Zc* extensions](#)
- RVV自动向量化支持持续进行中: [RVV auto-vectorization recently commits](#)
- RVV intrinsic手册发布了新版本

: <https://github.com/riscv-non-isa/rvv-intrinsic-doc/releases/tag/draft-20230811-a810011071e9e2f630450f01f5fdc9a9ccc3e3be>

- RISC-V GNU Toolchain双周会slides链接:

https://docs.google.com/presentation/d/1F-EhbGGapwUY2JkcxUP7FaBqFVOsBVslwC5SnYVL_1A/edit

Clang/LLVM 进展 (PLCT)

- RVV0.7.1完成大概90%的汇编器支持
 - [RVV 0.7.1] MC support <https://github.com/ruyisdk/llvm-project/pull/4>
 - [RVV 0.7.1] reject when both v and xtheadv are specified
<https://github.com/ruyisdk/llvm-project/pull/5>
 - [RVV 0.7.1] port assembler tests from binutils
<https://github.com/ruyisdk/llvm-project/pull/6>
- Upstream提交的patch
 - [RISCV] Fix rlist grammar for cm.push, cm.popret, cm.popretz and cm.pop in RISCV zcmp Extension <https://reviews.llvm.org/D157847>

QEMU/Spike/Sail/ACT进展 (PLCT)

- QEMU

- 改进 TCG 后端 vector 支持
 - <https://github.com/plctlab/plct-qemu/tree/plct-riscv-backend-rvv>
- 更新svadu支持
 - <https://lists.gnu.org/archive/html/qemu-riscv/2023-08/msg00291.html>
- milkv duo支持
 - <https://github.com/plctlab/plct-qemu/tree/duo-qemu>

V8 for RISC-V 更新(邱吉、陆亚涵、荆培杨)

Upstream Port

1. 4779385: [riscv][wasm] Fix memory.fill and memory.init with i64.const args | <https://chromium-review.googlesource.com/c/v8/v8/+4779385>
2. 4776621: [riscv][compiler] Generalize InstructionSelectorT for Turboshift (part 12) | <https://chromium-review.googlesource.com/c/v8/v8/+4776621>
3. 4750761: [riscv][sandbox] Reference Code objects (and their entrypt) through the CPT | <https://chromium-review.googlesource.com/c/v8/v8/+4750761>

Clean code:

1. 4778439: [riscv] Reduce the number of vector arch codes (Part 4) | <https://chromium-review.googlesource.com/c/v8/v8/+4778439>
2. 4772525: [riscv]Reduce number of vector arch code(Part 3). | <https://chromium-review.googlesource.com/c/v8/v8/+4772525>
3. 4768905: [riscv] Reduce the number of vector arch code(Part 2) | <https://chromium-review.googlesource.com/c/v8/v8/+4768905>
4. 4763850: [riscv] Reduce the number of vector arch code(Part 1) | <https://chromium-review.googlesource.com/c/v8/v8/+4763850>

Bug fix:

1. 4757857: [riscv] Fix incorrect store size | <https://chromium-review.googlesource.com/c/v8/v8/+4757857>

Spidermonkey for RISC-V更新（邱吉、陆亚涵）

1. 无

OpenJDK for RISC-V 更新(RV64及upstream) 杨飞 (offline)

1. Co-authored JDK-mainline PRs:

- More RISC-V update for PR11044: <https://github.com/openjdk/jdk/pull/11044#issuecomment-1632158856>
- Add RISC-V update for PR14375: <https://github.com/openjdk/jdk/pull/14375#issuecomment-1639148430>

2. Reviewed JDK-mainline PRs:

- <https://github.com/openjdk/jdk/pull/14545> (8308984: Relativize last_sp (and top_frame_sp) in interpreter frames)
- <https://github.com/openjdk/jdk/pull/14576> (8308340: C2: Idealize Fma nodes)
- <https://github.com/openjdk/jdk/pull/14800> (8311548: AArch64: [ZGC] Many tests fail with "assert(allocates2(pc)) failed: not in CodeBuffer memory" on some CPUs)
- <https://github.com/openjdk/jdk/pull/14823> (8311862: RISC-V: small improvements to shift immediate instructions)
- <https://github.com/openjdk/jdk/pull/14848> (8311923: TestIRMatching.java fails on RISC-V)
- <https://github.com/openjdk/jdk/pull/14888> (8312014: [s390x] TestSigInfoInHsErrFile.java Failure)
- <https://github.com/openjdk/jdk/pull/14129> (8301996: Move field resolution information out of the cpCache)
- <https://github.com/openjdk/jdk/pull/14991> (8312569: RISC-V: Missing intrinsics for Math.ceil, floor, rint)

3. Reviewed JDK17u upstream PRs:

- <https://github.com/openjdk/jdk17u-dev/pull/1565> (8297476: Increase InlineSmallCode default from 1000 to 2500 for RISC-V)
- <https://github.com/openjdk/jdk17u-dev/pull/1567> (8309254: Implement fast-path for ASCII-compatible CharsetEncoders on RISC-V)
- <https://github.com/openjdk/jdk17u-dev/pull/1613> (8312511: GHA: Bump cross-compile runner to Ubuntu 22.04)
- <https://github.com/openjdk/jdk17u-dev/pull/1611> (8311923: TestIRMatching.java fails on RISC-V)

4. riscv-port-jdk11u backport PRs:

- <https://github.com/openjdk/riscv-port-jdk11u/pull/1> (8283929: GHA: Add RISC-V build config)

OpenJDK for RISC-V 更新(RV64及upstream)张定立

- 暂无更新

请此页编辑者删除水印

OpenJDK for RISC-V 更新(RV64及upstream) 曹贵

Merged & New JDK-mainline PRs:

- <https://github.com/openjdk/jdk/pull/14848> | 8311923: TestIRMatching.java fails on RISC-V

Backport jdk21u:

- <https://github.com/openjdk/jdk21u/pull/12135> | 8311923: TestIRMatching.java fails on RISC-V

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openEuler RISC-V(周嘉诚)

- Preparing the next release 23.09, when RISC-V will be officially supported by openEuler
 - Sending RISC-V related changes upstream to distro mainline
 - Expanding test breadth and depth according to distro guidelines
- Approaching milestones of the “LLVM Parallel Universe Project”, preliminary performance test ongoing
- Brief work recap
 - `openjdk{8,11,17}`: add riscv64 enablement patch (respectively) [distro] [open]
 - [openresty: add upstream enablement patch \[distro\] \[open\]](#)
 - [rust: upgrade to 1.71.0 \[distro\] \[merged\]](#)
 - [mesa: add OrcJIT and more backend \[distro\] \[merged\]](#)
 - [qt6: upgrade to 6.5.1 \[distro\] \[merged\]](#)
 - Many other packaging changes, and more fixes for the “LLVM Parallel Universe Project”

Gentoo for RISC-V 的情况更新（Gentoo 小队）

- 暂无更新

Arch Linux RISC-V (潘瑞哲)

- Package update count: 3348
- Distinct package update count: 2548
- [core] 257 / 263 (97.72%)
- [extra] 12422 / 13383 (92.82%)
- electron sandbox mode works now:
 - electron22 Fix sandbox patch. Code-OSS can run without the `--no-sandbox` flag after this.
 - electron25 Fix sandbox patch (a7 register should be in clobber list)
 - Revert a problematic upstream workaround that is causing a crash in crash handler.
<https://bugs.chromium.org/p/chromium/issues/detail?id=1472258>
 - Disable RVV in libyuv because the build of libyuv with RVV at this commit is broken on riscv.
- Highlight packages:
 - `linux - 6.4.2.arch1-1.1 --> 6.4.10.arch1-1.1`
 - `firefox - 115.0.2-1 --> 116.0-1`
 - `rust - 1:1.70.0-1 --> 1:1.71.1-1`
 - `nodejs - 20.4.0-1 --> 20.5.0-1`
 - `ruby - 3.0.5-1 --> 3.0.6-1`
 - `libreoffice-fresh - 7.5.4-3 --> 7.5.5-1`
 - `electron22 - 22.3.17-1 --> 22.3.18-2`
 - `electron24 - never been built --> 24.6.5-2`
 - `electron25 - never been built --> 25.3.2-2`
 - `code - 1.79.2-1 --> 1.81.1-1`
 - `chromium - 114.0.5735.198-2 --> 115.0.5790.110-1`
- `linux: [v5] riscv: entry: set a0 = -ENOSYS only when syscall != -1. Waiting for approval`
<https://patchwork.kernel.org/project/linux-riscv/list/?series=771708>

Arch Linux RISC-V

- Arch Linux on Sophgo sg2042 & MilkV Pioneer
- <https://github.com/felixonmars/archriscv-packages/pull/2907>

```
processor      : 63
hart          : 63
isa           : rv64imafdc
mmu           : sv39
mvendorid     : 0x5b7
marchid       : 0x0
mimpid        : 0x0
```

```
root@centiskorch ~ {}$ uname -a
Linux centiskorch.felixc.at 6.1.42-1-sophgo-05620-gf3e0e4527b17 #1 SMP Wed, 16 Aug 2023 11:11:48 +0000 riscv64 GNU/Linux
root@centiskorch ~ {}$ neofetch
```

```
root@centiskorch.felixc.at
```

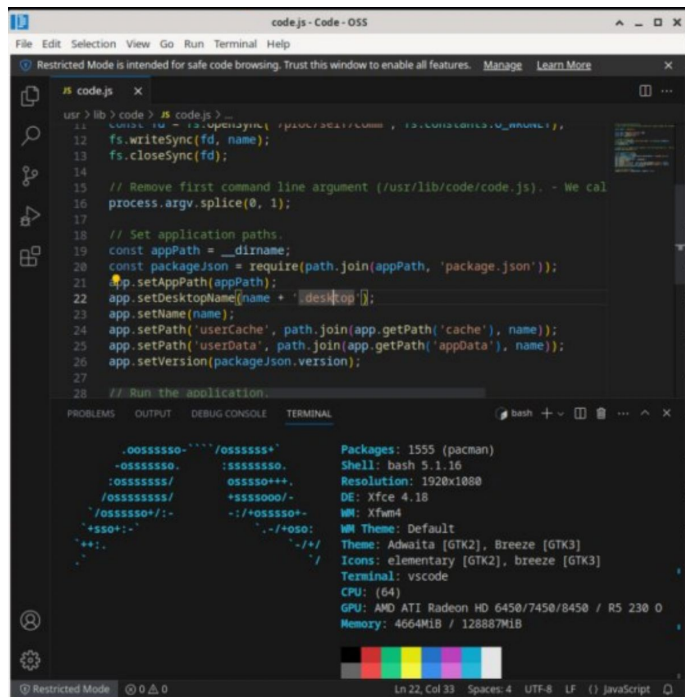
```
OS: Arch Linux riscv64
Host: Sophgo Mango
Kernel: 6.1.42-1-sophgo-05620-gf3e0e4527b17
Uptime: 7 mins
Packages: 1563 (pacman)
Shell: bash 5.1.16
Resolution: 1920x1080
Terminal: /dev/pts/0
CPU: (64)
GPU: AMD ATI Radeon HD 6450/7450/8450 / R5
Memory: 2834MiB / 128629MiB
```



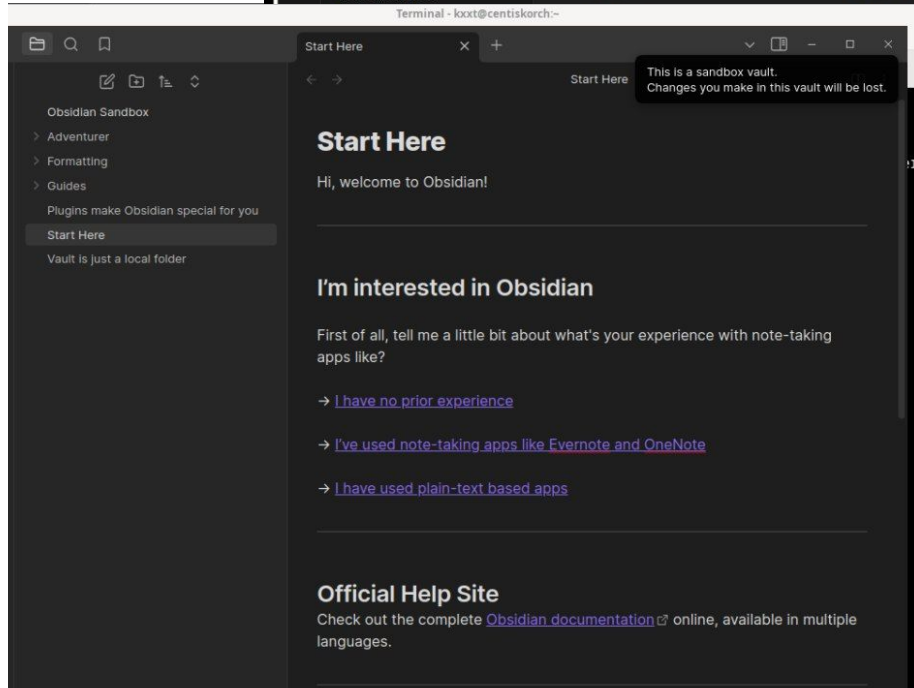
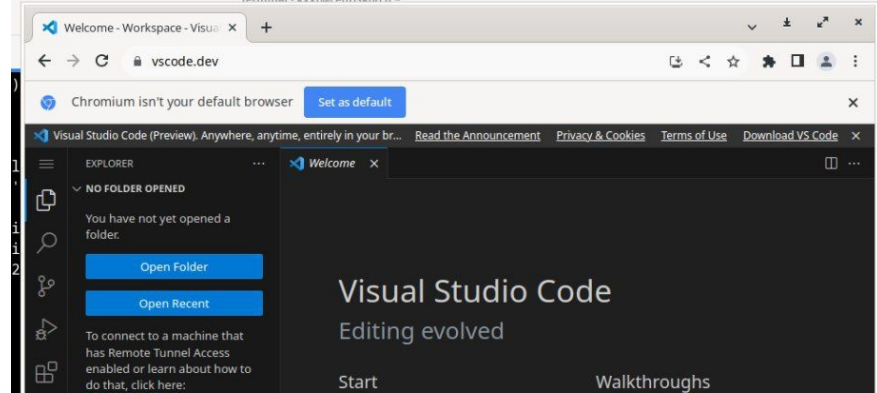
```
felix@flygon ~/projects/archriscv/packages/linux-sophgo (master) {}$ cat sophgo.defconfig
# From normal defconfig
CONFIG_SOC_SOPHGO=y
CONFIG_ERRATA_THREAD=y
CONFIG_MMIO_SDHCI_SOPHGO=m
CONFIG_PCIE_CADENCE_PLAT_HOST=y
CONFIG_PCIE_CADENCE_SOPHGO=y
CONFIG_SENSORS_PWM_FAN=m
CONFIG_DRM_SMI=m
CONFIG_DRM_SMI_HDMI=y
# From fedora defconfig
CONFIG_VECTOR=y
CONFIG_SPI_SOPHGO_SPIFMC=m
CONFIG_DRM_SMI_PRIME=y
# Sophgo's CONFIG_HIGHMEM conflicts with CONFIG_SPARSEMEM_VMEMMAP
CONFIG_SPARSEMEM_VMEMMAP=n
felix@flygon ~/projects/archriscv/packages/linux-sophgo (master) {}$
```

Arch Linux RISC-V

- Code + sandbox; Obsidian
- Chromium (opening <https://vscode.dev>)



```
usr> lib> code> . code.js > ...
11 const fd = fs.openSync('/usr/lib/code', 'w', 0o644);
12 fs.writeFileSync(fd, name);
13 fs.closeSync(fd);
14
15 // Remove first command line argument (/usr/lib/code/code.js). - We call
16 process.argv.splice(0, 1);
17
18 // Set application paths.
19 const appPath = __dirname;
20 const packageJson = require(path.join(appPath, 'package.json'));
21 app.setAppPath(appPath);
22 app.setDesktopName(name + 'desktop');
23 app.setName(name);
24 app.setPath('userCache', path.join(app.getPath('cache'), name));
25 app.setPath('userData', path.join(app.getPath('userData'), name));
26 app.setVersion(packageJson.version);
27
28 // Run the application.
```



Fedora for RISC-V (傅炜)

- RPM packaging

- Status: **Updating Fedora 38**
- **22079/22951 [96.20%] srpm have been built.**
- Spin: Server/Workstation/Cloud
- WIP Spin: IoT/CoreOS [ONGOING]

- main package version:

- Toolchain(up-to-date for F38)
 - **gcc-13.2.1 -1[DONE]**
 - glibc-2.37.4[DONE]
 - Binutils 2.39-12[DONE] → 2.40-10 [ONGOING]
- libffi-3.4.4-2(up-to-date)
- java-latest-openjdk-19.0.2.0.7→20 [ONGOING]
- perl-5.36.1-497(up-to-date)
- Python 3.11.4-1(up-to-date) → 3.12
- **LLVM/Clang 16.0.6-2(up-to-date)**
- **golang-1.20.7-1(up-to-date)**
- **rust-1.71.1-1(up-to-date)**

- Desktop support:

- **DONE**: XFCE/LXDE/LXQT/GNOME/
Budgie/Cinnamon/Mate/Sugar/Sway/KDE
- **Building**: Deepin(will try to maintain it)
- Key Desktop App
 - **firefox-116.0-1[DONE]**
 - **Libreoffice 7.5.5.2-2[DONE]**
 - Thunderbird 102.12.0[DONE]
 - Chromium [ONGOING]

- Image :

- Sophgo SG2042 EVB/[Milk-V\[DONE\]](#)
 - **zsbl→opensbi->edk2→GRUB→Fedora**
- TH1520 BeagleV/[LPi4A/***\[DONE\]](#)
- StarFive JH7110 boards[ONGOING]

- ROS/ROS2 upgraded to F38

- ROS2 packaging is **ongoing**

- function testing:

- Podman[pass], Image: [fedora-rv64](#)
- Ceph[pass]
- K8s [pass]will demo in RISC-V summit

Fedora on Duo (Guoguo He)

[illegible]

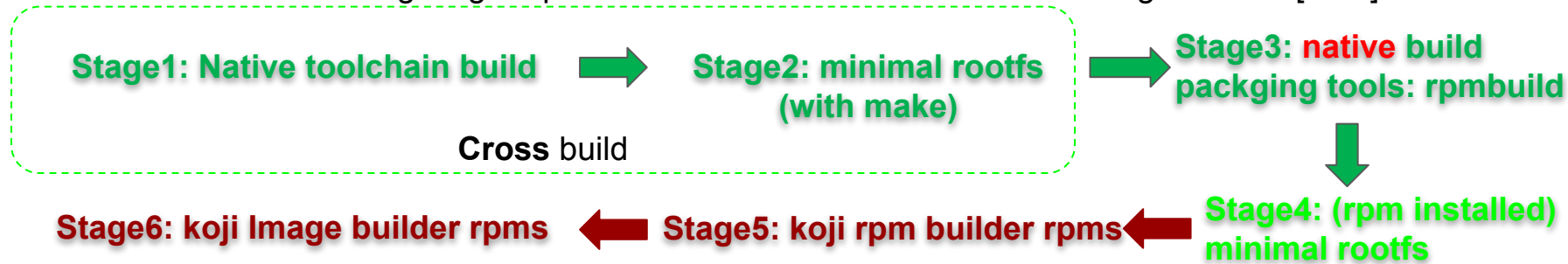
Fedora for RV32 (张松松)

- Create a new bootstrap framework, target on multi-arch rpm-based Linux distro bootstrap
 - <https://github.com/fedora-riscv/bootstrap>
- Download srpm automatically by a given list
 - <https://github.com/fedora-riscv/srpm-get>
- Automated build script using yamll
 - <https://github.com/fedora-riscv/rpm-builder>
- All the documents for this bootstrap
 - <https://github.com/fedora-riscv/bootstrap-development-log>
 - <https://github.com/fedora-riscv/rpmbuild-fedora-log>

Core group DONE!

DNF works well !!

The current status: building stage4 rpms for the standard Fedora minimal image, 84/149[56%].



Fedora for RV32 (张松松)

```
-bash-5.2# neofetch
      ,,'';:;:,'',
      ,,';cccccccccccc;,,
      ,,';cccccccccccccccccccc;
      ,,';cccccccccccccccccccccccc;
      ,,';cccccccccccc;::dddl;:ccccccc;
      ,,';cccccccccccc;0WMW00XMMd; ccccccc;
      ,,';cccccccccccc;KMMc;cc;xMMc:ccccccc;
      ,,';cccccccccccc;MMM;cc;WW:ccccccc;
      ,,';cccccccccccc;MMM;:cccccccccccccccc;
      ,,';cccccc;ox000o;MMM00Ok;:ccccccccccc;
      ,,';cccccc;0MMKxdd;:MMKkddc;:ccccccccccc;
      ,,';cccc;XM0';cccc;MMM;:ccccccccccccccc'
      ,,';cccc;MMo;cccc;MMW;:ccccccccccccccc;
      ,,';cccc;0Mnc;ccc;xMmd;:ccccccccccccccc;
      ,,';cccccc;dNMWXXxWM0;:ccccccccccccccc;
      ,,';ccccccc;::odl;:ccccccccccccccc;,,
      ,,';cccccccccccccccccccc;:,,:
      ,,';ccccccccccccccc;:,,:

root@fedora
-----
05: Fedora Linux 38 (Workstation Edition) riscv32
Host: riscv-virtio,qemu
Kernel: 6.5.0-rc1-gee021e57ffe3
Uptime: 2 mins
Packages: 115 (rpm)
Shell: bash 5.2.15
Terminal: /dev/ttyS0
CPU: (1)
Memory: 31MiB / 986MiB

  █  █  █  █  █  █  █
  █  █  █  █  █  █  █
  █  █  █  █  █  █  █
```

基于以上成果, 正在 bootstrap 64ILP32,

工具链部分感谢 @廖仕华 全力支持！

```

Package                Architecture          Version              Repository           Size
=====
Installing:
file                   riscv32                5.44-3.fc38         fedora               47 k
Transaction Summary
=====
Install 1 Package

Total download size: 47 k
Installed size: 92 k
Is this ok [y/N]: y
Downloading Packages:
file-5.44-3.fc38.riscv32.rpm                                939 kB/s | 47 kB    00:00
-----
Total                                                        644 kB/s | 47 kB    00:00

Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      :
  Installing     : file-5.44-3.fc38.riscv32                  1/1
  Verifying      : file-5.44-3.fc38.riscv32                  1/1

Installed:
  file-5.44-3.fc38.riscv32

Complete!
bash-5.2# file
Usage: file [-bcCdEhikLlNnprsSvzZ0] [--apple] [--extension] [--mime-encoding]
        [--mime-type] [-e <testname>] [-F <separator>] [-f <namefile>]
        [-m <magicfiles>] [-P <parameter=value>] [--exclude-quiet]
        <file> ...
        file -C [-m <magicfiles>]
        file [--help]
bash-5.2#

```

Debian for RISC-V(干波)

- [Official porting update](#)

1. 2023/07/23, riscv64 becomes Debian official architecture
2. the rebootstrap process
3. Installed: [10600+](#) failed: [200~](#) finished: [65%](#)
4. gitlab [runner](#) and [crossqa](#) support riscv64

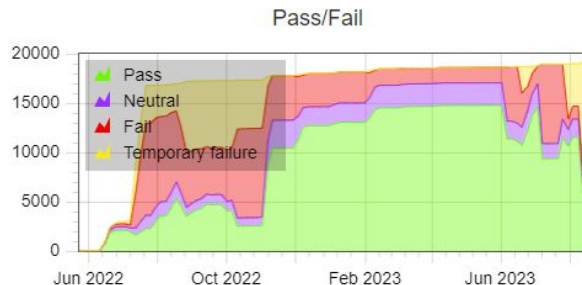
- [Debci update](#)

[Ready](#) for testing

- Some works

1. chromium [115.0.5790.170](#) [rebase]
2. [zynaddsubfx](#), [wsclean](#), [man-db](#), [mmseps2](#) [ftbfs done]
3. [libsass](#), [mia](#), [xutils-dev](#), [strace](#) [ftbfs done]
4. [yrmcds](#), [wreport](#), [yubioath-desktop](#) [ftbfs patch]
5. [lazy-loader](#), [ubelt](#) [update]

unstable/riscv64



FW相关更新（王翔）

❖ opensbi

- 添加smcntrpmf扩展支持
- 修正sbi_system_suspend的错误返回值，使代码适应spec
- 添加基于syscon的重启和关机，并移除sifive test重启驱动（这个驱动可以用基于syscon的重启和关机来代替，需要添加dt）
- 更新gitignore跳过开头的文件，一些特别需要关注的文件需要特别添加
- pmu计数器不连续的支持，移除mhpm_count，通过mhpm_mask记录哪些计数器是支持的
- 修正Makefile中grep的一个警告
- 修正查找event计数器中的一个拼写错误
- __fw_rw_offset改为运行时计算，以规避clang16+编译报错
- 把fdt_parse_isa_extensions移动到coolboot中防止操作系统破坏fdt后再解析isa扩展
- 平台制定tlb队列长度支持，tlb队列改为通过堆申请
- 修正c9xx pmu引起hang，允许s-mode访问相关寄存器

❖ openocd

- 修正通过progbuf执行fence的问题，fence.i可能不被支持会打断progbuf的执行

固件相关更新(洛佳)

- 本周暂无更新

请此页编辑者删除水印

RISCV性能跟踪小队 - 陈小欧

- 暂无更新

香山开源RISC-V处理器 - ICT / PCL

- 取指前端
 - 修复预译码边界情况处理错误
 - 调试预测器参数, 暂无显著效果
- 乱序调度&向量
 - IssueQueue 推测唤醒及取消通路添加完成, 可以启动 Linux
 - Move 指令消除: 合入新版 ME 设计, 优化时序和面积
 - Vector Perm 和 Reduction 功能单元集成完成
- 访存
 - 添加 Hybrid unit, Load Store 共用流水线
 - 完成 Sbuffer 加入动态阈值机制, 针对性优化 spec06 lbm 测试点
 - 完成 L1 stream 预取以及 L1 L2 多级预取和动态调控机制, 性能调试中
 - 进行 TLB filter 优化
- 缓存
 - 针对新版 Coupled L2 代码进行时序评估, 并解决了部分时序问题
 - 在 MainPipe 模块和总线中添加了更多信息的 DB 记录, 并在 tl-test 中也添加了 ChiselDB 的支持
 - 完成 CHI-Test 验证框架 RN-F 端和 ICN Agent 的代码实现, 并通过了 RN-F 和 ICN 的联合测试

MLIR 结合 RISC-V 相关工作 - 张洪滨

MLIR Vector Dialect Dynamic Vector Length Support

- #1: Integrate vector length configuration with the current mask operation.
- #2: Create a standalone vector length operation.
- ~~—— #3: Integrate dynamic vector representation into ODS.~~
- 结合 #1 和 #2: 通用 vector.setvl + vector.mask

Operation 优化 & E2E 支持

- Operation Optimization and Benchmark cases -
<https://github.com/buddy-compiler/buddy-benchmark/tree/main/benchmarks/OpOptimization>
- [WIP]: 使用 Spike 构造针对 E2E 模型的 CI 流程
- [WIP]: Bert 模型在 Sequencer Vector Repo 跑通

Gemmini Dialect 进展

- [WIP] RVV + Gemmini + SiFive VCIX Proposal
- [Gemmini Dialect] Gemmini Dialect enhancement on tiled_matmul -
<https://github.com/buddy-compiler/buddy-mlir/pull/178>

Chisel and Additional Technology / Sequencer

暂无更新

OpenHW & OpenHW Aisa Working Group

- AWG工作会议这两个月暂停

ROCm bootstrapping for RISC-V (陆言, PLCT Tariser)

- 本周暂无更新

自由讨论 / AOB

- RISC-V 中国峰会
- RISE 基金会
-

BACKUP

准备加入更多的国际开源组织进行同步观测

欢迎追加或提议