

## 一、更新说明

1、建议本次更新使用U盘进行安装进行，制作U盘方法如下：

1 > 下载安装镜像，下载地址

<http://ftp.loongnix.org/os/loongnix/1.0/liveinst/loongnix-20170726.iso>

2 > 将U盘格式化为无分区的 ext3 格式

3 > 制作启动U盘，使用命令

`"dd if=loongnix-20170726.iso of=/dev/sdb"`(注：根据U盘位置选择 sdb、sdc 等)制

作启动U盘，插入U盘，重启系统，进入后点击安装系统，根据指引完成系统安装。

2、升级的部分包在内网源中，更新前需要安装公司内网源，安装方法如下

1 > yum install

<http://10.2.5.28/ftp/os/loongnix-test/os/loongnix-test-release-21-1.fc21.loongson.noarch.rpm> -y

2 > yum makecache

3 > yum update -y

3、本次更新可使用 yum update 命令直接更新，但只会更新现有包，无法更新安装新包如 chrome 60 安装包，如有需要用户可使用“yum install 包名”手动更新安装。(chrome 60 安装包名为 chromium-60.0.3096.2-1.fc21.loongson.mips64el 应用商店包名为 loongson-app.mips64el)。。

4、笔记本挂起后无法恢复问题需要更新固件，更新方法如下

1 > 下载固件，地址为：

[http://10.40.23.7/Release/01\\_PMON/3A3000/B20laptop/gzrom.b20czc\\_0531](http://10.40.23.7/Release/01_PMON/3A3000/B20laptop/gzrom.b20czc_0531)

2> 将下载的 gzrom.b20czc\_0531 放到 fat 或是 ext2 格式的U盘中，启动后按

“c”进入PMON界面输入命令如下

load -r -f 0xbfc00000 [/dev/fs/ext2@usb0/gzrom.b20czc\\_0531](#) ( ext2 格式U 盘使用 ) 或 load -r -f 0xbfc00000 [/dev/fs/fat@usb0/gzrom.b20czc\\_0531](#) ( fat 格式U 盘使用 )。

3>更新完成后，使用 reboot 命令重启即可。

5、2017-0430 版本升级重启后可能出现的 “unable to load page”，重启系统即可。

## 二、本次更新功能改进

| 版本号<br>( 更新前 )                         | 版本号<br>( 更新后 )                       | 更新内容                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| binutils-2.24-25.fc21.loongson.4       | binutils-2.24-26.fc21.loongson.5     | Set ld default target to n64 abi.<br>* ld/configure.tgt: set targ_emul to elf64ltsmip.                                                                                                                                                                                                                                                                                                                 |
| glibc-2.20-13.fc21.loongson.8          | glibc-2.20-14.fc21.loongson.9        | Added missed sync in test_and_set func                                                                                                                                                                                                                                                                                                                                                                 |
| gcc-4.9.3-5.fc21.loongson.5            | gcc-4.9.3-6.fc21.loongson.6          | Delete redundant sync before ll                                                                                                                                                                                                                                                                                                                                                                        |
| chromium-52.0.2743.116-3.fc21.loongson | chromium-60.0.3096.2-1.fc21.loongson | 1. Loongnix release version 60.0.3096.2-1 base on <a href="https://chromium.googlesource.com/chromium/src.git">https://chromium.googlesource.com/chromium/src.git</a> in tag 60.0.3096.2<br>2. Fix some compiles problems under loongson mips64el.<br>3. Integrate SmoothScroll extension by default to solve the poor performance of scrolling.<br>4. Integrate some fedora project chromium patches. |
|                                        | firefox-52.2.1-1.fc21.loongson       | 1. Sync mozilla code 52.2.1<br>2. Added patch for MIPS64 standalone plugin process<br>3. Added patch for disabled wasm<br>4. firefox52 release for the first time                                                                                                                                                                                                                                      |
| firefox-45.4.0-6.fc21.loongson         | firefox-45.9.1-11.fc21.loongson      | 1: merge 社区最新代码<br>2: 解决内存溢出的 bug<br>3: 添加 adblock 过滤规则，当用户安装 adblockplus 时启用                                                                                                                                                                                                                                                                                                                          |
| livecd-tools-21.4-4.fc21               | livecd-tools-21.4-4.fc21.loongson    | add xhci_hcd module to live ramdisk for usb                                                                                                                                                                                                                                                                                                                                                            |

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|----------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| .loongson.3                                  | gson.4                                       | 3.0                                                                                                                                                                                                       |
|                                              | glmark2-2014.03-4.fc21.loongson              | Original commit 2014.03-4                                                                                                                                                                                 |
| grub2-2.02-0.15.fc21.loongson.4              | grub2-2.02-0.15.fc21.loongson.5              | 1. delete-some-boot-options-avoid-stderr-from-startup<br>2. 开机启动菜单系统默认为 Loongnix 和 Rescue                                                                                                                 |
| grubby-8.35-9.fc21.loongson.2                | grubby-8.35-9.fc21.loongson.4                | 1. 简化开机启动菜单,支持昆仑固件<br>2. 多内核安装, 开机启动菜单只显示最后一次安装的内核                                                                                                                                                        |
| loongson-themes-1.0-4.fc21.loongson          | loongson-themes-1.0-8.fc21.loongson          | 1. remove eom, add eog requires<br>2. 禁止网络提示, 加入更新后达到最新版本功能<br>3. 桌面添加用户手册<br>4. 更新重启后禁用 sshd 服务, 卸载 nspluginwrapper<br>5. 更新后同时安装 docker, qt-creator ,yozo-office, wps-office,执行 yum update 后, 达到新发布版本状态 |
| mate-session-manager-1.8.1-3.fc21.loongson.1 | mate-session-manager-1.8.1-3.fc21.loongson.2 | remove suspend(挂起) button on loongson                                                                                                                                                                     |
| kernel-3.10.84-15.fc21.loongson              | kernel-3.10.84-16.fc21.loongson              | 1. Loongson3: Modify ec driver<br>2. kernel tag number 2017/06/01<br>3. 3.10 kernel release for the first time                                                                                            |
| caja-1.8.2-3.fc21.loongson.3                 | caja-1.8.2-3.fc21.loongson.4                 | 更改桌面右键菜单                                                                                                                                                                                                  |
| caja-extensions-1.8.0-4.fc21                 | caja-extensions-1.8.0-4.fc21.loongson.1      | 更改桌面右键菜单中的在终端中打开选项                                                                                                                                                                                        |
| fcitx-4.2.8.4-4.fc21                         | fcitx-4.2.8.4-4.fc21.loongson.1              | 修正了输入法右键菜单问题:<br>1.与托盘状态一致<br>2.在鼠标移走之后仍旧显示<br>3.设置中文默认使用简体                                                                                                                                               |
| udisks2-2.1.3-4.fc21                         | udisks2-2.1.3-4.fc21.loongson.1              | change flash disk mount directory from /run/media to /media                                                                                                                                               |
| dhcp-4.3.1-8.fc21                            | dhcp-4.3.1-8.fc21.loongson.1                 | fix network dhclient ip address change when reboot                                                                                                                                                        |
| mate-power-manager-1.8.1-1.fc21              | mate-power-manager-1.8.1-1.fc21.loongson.1   | fix notebook light window when disable soft composited                                                                                                                                                    |
| mate-system-monitor-1.8.0-5.fc21.loongson.1  | mate-system-monitor-1.8.0-5.fc21.loongson.2  | fix unknown cpu model on loongson                                                                                                                                                                         |
| mesa-11.1.0-5.201512                         | mesa-11.1.0-5.20151218.fc2                   | 1. Add loongson patches                                                                                                                                                                                   |

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|---------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18.fc21.loongson.1                                                  | 1.loongson.4                                                          | 2.<br>enlarge-buffer-to-save-CPU-usage-for-loongs<br>on<br>3. fix bugs for radeonsi<br>4.<br>fix-bug-for-optimization-glBufferData-DMA-c<br>opy-memor<br>5. Add RadeonSI glBufferData DMA copy |
| xorg-x11-drv-ati-7.6.0-<br>0.4.20150729git5510cd<br>6.fc21.loongson | xorg-x11-drv-ati-7.6.0-0.4.20<br>150729git5510cd6.fc21.loon<br>gson.1 | force-not-vsnc-DRI2-copy-swaps                                                                                                                                                                 |
|                                                                     | loongson-app-1.0.10-1.fc21.l<br>oongson                               | app-client-1.0.10.sh                                                                                                                                                                           |
| remmina-1.2.0-0.23.20<br>161104git42f5a87.fc21<br>.loongson.1       | remmina-1.2.0-0.23.2016110<br>4git42f5a87.fc21.loongson.2             | 恢复剪切板同步功能<br>恢复到上次修改之前状态                                                                                                                                                                       |
| libflashplayer-1.1-1.fc2<br>1.loongson                              | libflashplayer-1.1-2.fc21.loon<br>gson                                | add flash 64bit flash<br>插件替换原来的 32 位，直接使用 64 位                                                                                                                                                |
| audit-2.4.1-2.fc21.loon<br>gson.1                                   | audit-2.4.1-2.fc21.loongson.2                                         | add mips support                                                                                                                                                                               |
| zlib-1.2.8-9.fc21.loongs<br>on.1                                    | zlib-1.2.8-9.fc21.loongson.2                                          | opt sb store data in inflate_fast<br>缩短了 bmp 图片的解压缩时间                                                                                                                                          |
| libpng-1.6.17-2.fc21.lo<br>ongson.1                                 | libpng-1.6.17-2.fc21.loongso<br>n.2                                   | add loongson opt patch(optimized by<br>xuchenghua@loongson.cn)<br>缩短了 png 图片向 bmp 图片的转换时间                                                                                                      |
| binutils-2.24-25.fc21.lo<br>ongson.4                                | binutils-2.24-26.fc21.loongso<br>n.5                                  | Set ld default target to n64 abi.<br>* ld/configure.tgt: set targ_emul to<br>elf64ltsmip.                                                                                                      |