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パッケージシステムによる追加ソフトウェアの導入 1

パッケージシステムによる追加ソフトウェアの導入

Ubuntu Linuxを採用していますので、apt-getコマンドにより追加ソフトウェアの導入が可能です。

- [例] gccを含む開発環境(build-essential)を導入する

```
root@plum:~# apt-get update
Ign http://ports.ubuntu.com saucy InRelease
Ign http://ports.ubuntu.com saucy-updates InRelease
Ign http://ports.ubuntu.com saucy-security InRelease
Hit http://ports.ubuntu.com saucy Release.gpg
Get:1 http://ports.ubuntu.com saucy-updates Release.gpg [933 B]
Get:2 http://ports.ubuntu.com saucy-security Release.gpg [933 B]
Hit http://ports.ubuntu.com saucy Release
Get:3 http://ports.ubuntu.com saucy-updates Release [49.6 kB]
Get:4 http://ports.ubuntu.com saucy-security Release [49.6 kB]
Hit http://ports.ubuntu.com saucy/main armhf Packages
Hit http://ports.ubuntu.com saucy/restricted armhf Packages
Hit http://ports.ubuntu.com saucy/universe armhf Packages
Hit http://ports.ubuntu.com saucy/main Translation-en
Hit http://ports.ubuntu.com saucy/restricted Translation-en
Hit http://ports.ubuntu.com saucy/universe Translation-en
Get:5 http://ports.ubuntu.com saucy-updates/main armhf Packages [212 kB]
Get:6 http://ports.ubuntu.com saucy-updates/restricted armhf Packages [14 B]
Get:7 http://ports.ubuntu.com saucy-updates/universe armhf Packages [147 kB]
Hit http://ports.ubuntu.com saucy-updates/main Translation-en
Hit http://ports.ubuntu.com saucy-updates/restricted Translation-en
Hit http://ports.ubuntu.com saucy-updates/universe Translation-en
Get:8 http://ports.ubuntu.com saucy-security/main armhf Packages [103 kB]
Get:9 http://ports.ubuntu.com saucy-security/restricted armhf Packages [14
B]
Get:10 http://ports.ubuntu.com saucy-security/universe armhf Packages [32.6
kB]
Hit http://ports.ubuntu.com saucy-security/main Translation-en
Hit http://ports.ubuntu.com saucy-security/restricted Translation-en
Hit http://ports.ubuntu.com saucy-security/universe Translation-en
Fetched 596 kB in 11s (50.7 kB/s)
Reading package lists... Done
root@plum:~# apt-get install build-essential
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  binutils cpp cpp-4.8 dpkg-dev fakeroot g++ g++-4.8 gcc gcc-4.8
libalgorithm-diff-perl
  libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan0 libatomic1
libc-dev-bin libc6-dev
  libclass-isa-perl libcloog-isl4 libdpkg-perl libfile-fcntllock-perl
libgcc-4.8-dev libgdbm3 libgomp1
  libisl10 libmpc3 libmpfr4 libstdc++-4.8-dev libswitch-perl libtimedate-
```

```
perl linux-libc-dev make manpages
  manpages-dev patch perl perl-modules
Suggested packages:
  binutils-doc cpp-doc gcc-4.8-locales debian-keyring g++-multilib g++-4.8-
multilib gcc-4.8-doc
  libstdc++6-4.8-dbg gcc-multilib autoconf automake1.9 libtool flex bison
gdb gcc-doc gcc-4.8-multilib
  libmudflap0-4.8-dev libgcc1-dbg libgomp1-dbg libitm1-dbg libatomic1-dbg
libasan0-dbg libtsan0-dbg
  libbacktrace1-dbg libquadmath-dbg libmudflap0-dbg binutils-gold glibc-doc
libstdc++-4.8-doc make-doc
  man-browser ed diffutils-doc perl-doc libterm-readline-gnu-perl libterm-
readline-perl-perl
  libpod-plainer-perl
The following NEW packages will be installed:
  binutils build-essential cpp cpp-4.8 dpkg-dev fakeroot g++ g++-4.8 gcc
gcc-4.8 libalgorithm-diff-perl
  libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan0 libatomic1
libc-dev-bin libc6-dev
  libclass-isa-perl libcloog-isl4 libdpkg-perl libfile-fcntllock-perl
libgcc-4.8-dev libgdbm3 libgomp1
  libisl10 libmpc3 libmpfr4 libstdc++-4.8-dev libswitch-perl libtimedate-
perl linux-libc-dev make manpages
  manpages-dev patch perl perl-modules
0 upgraded, 37 newly installed, 0 to remove and 0 not upgraded.
Need to get 37.9 MB of archives.
After this operation, 102 MB of additional disk space will be used.
Do you want to continue [Y/n]? y
Get:1 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libgdbm3 armhf
1.8.3-12build1 [31.1 kB]
Get:2 http://ports.ubuntu.com/ubuntu-ports/ saucy-updates/main libasan0
armhf 4.8.1-10ubuntu9 [67.5 kB]
Get:3 http://ports.ubuntu.com/ubuntu-ports/ saucy-updates/main libatomic1
armhf 4.8.1-10ubuntu9 [6768 B]
Get:4 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libisl10 armhf
0.11.2-1 [365 kB]
Get:5 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libcloog-isl4 armhf
0.18.0-2 [53.6 kB]
Get:6 http://ports.ubuntu.com/ubuntu-ports/ saucy-updates/main libgomp1
armhf 4.8.1-10ubuntu9 [25.1 kB]
Get:7 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libmpfr4 armhf
3.1.1-2 [184 kB]
Get:8 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libmpc3 armhf 1.0.1-1
[35.2 kB]
Get:9 http://ports.ubuntu.com/ubuntu-ports/ saucy/main manpages all
3.54-1ubuntu1 [627 kB]
Get:10 http://ports.ubuntu.com/ubuntu-ports/ saucy/main binutils armhf
2.23.52.20130913-0ubuntu1 [3430 kB]
Get:11 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libc-dev-bin armhf
2.17-93ubuntu4 [70.2 kB]
Get:12 http://ports.ubuntu.com/ubuntu-ports/ saucy-updates/main linux-libc-
```

```
dev armhf 3.11.0-18.32 [936 kB]
Get:13 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libc6-dev armhf
2.17-93ubuntu4 [2218 kB]
Get:14 http://ports.ubuntu.com/ubuntu-ports/ saucy-updates/main cpp-4.8
armhf 4.8.1-10ubuntu9 [5186 kB]
Get:15 http://ports.ubuntu.com/ubuntu-ports/ saucy/main cpp armhf
4:4.8.1-2ubuntu3 [28.2 kB]
Get:16 http://ports.ubuntu.com/ubuntu-ports/ saucy-updates/main libgcc-4.8-
dev armhf 4.8.1-10ubuntu9 [300 kB]
Get:17 http://ports.ubuntu.com/ubuntu-ports/ saucy-updates/main gcc-4.8
armhf 4.8.1-10ubuntu9 [5913 kB]
Get:18 http://ports.ubuntu.com/ubuntu-ports/ saucy/main gcc armhf
4:4.8.1-2ubuntu3 [5132 B]
Get:19 http://ports.ubuntu.com/ubuntu-ports/ saucy-updates/main
libstdc++-4.8-dev armhf 4.8.1-10ubuntu9 [1806 kB]
Get:20 http://ports.ubuntu.com/ubuntu-ports/ saucy-updates/main g++-4.8
armhf 4.8.1-10ubuntu9 [6372 kB]
Get:21 http://ports.ubuntu.com/ubuntu-ports/ saucy/main g++ armhf
4:4.8.1-2ubuntu3 [1458 B]
Get:22 http://ports.ubuntu.com/ubuntu-ports/ saucy/main make armhf
3.81-8.2ubuntu3 [105 kB]
Get:23 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libswitch-perl all
2.16-2 [19.2 kB]
Get:24 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libclass-isa-perl
all 0.36-5 [9686 B]
Get:25 http://ports.ubuntu.com/ubuntu-ports/ saucy/main perl-modules all
5.14.2-21build1 [3404 kB]
Get:26 http://ports.ubuntu.com/ubuntu-ports/ saucy/main perl armhf
5.14.2-21build1 [3634 kB]
Get:27 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libtimedate-perl all
1.2000-1 [41.6 kB]
Get:28 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libdpkg-perl all
1.16.12ubuntu1 [188 kB]
Get:29 http://ports.ubuntu.com/ubuntu-ports/ saucy/main patch armhf 2.7.1-3
[86.2 kB]
Get:30 http://ports.ubuntu.com/ubuntu-ports/ saucy/main dpkg-dev all
1.16.12ubuntu1 [769 kB]
Get:31 http://ports.ubuntu.com/ubuntu-ports/ saucy/main build-essential
armhf 11.6ubuntu5 [5610 B]
Get:32 http://ports.ubuntu.com/ubuntu-ports/ saucy/main fakeroot armhf
1.20-1 [82.2 kB]
Get:33 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libalgorithm-diff-
perl all 1.19.02-3 [50.0 kB]
Get:34 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libalgorithm-diff-
xs-perl armhf 0.04-2build3 [12.0 kB]
Get:35 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libalgorithm-merge-
perl all 0.08-2 [12.7 kB]
Get:36 http://ports.ubuntu.com/ubuntu-ports/ saucy/main libfile-fcntllock-
perl armhf 0.14-2 [15.4 kB]
Get:37 http://ports.ubuntu.com/ubuntu-ports/ saucy/main manpages-dev all
3.54-1ubuntu1 [1820 kB]
```

```
Fetched 37.9 MB in 57s (665 kB/s)
Extracting templates from packages: 100%
Selecting previously unselected package libgdbm3:armhf.
(Reading database ... 17467 files and directories currently installed.)
Unpacking libgdbm3:armhf (from .../libgdbm3_1.8.3-12build1_armhf.deb) ...
Selecting previously unselected package libasan0:armhf.
Unpacking libasan0:armhf (from .../libasan0_4.8.1-10ubuntu9_armhf.deb) ...
Selecting previously unselected package libatomic1:armhf.
Unpacking libatomic1:armhf (from .../libatomic1_4.8.1-10ubuntu9_armhf.deb)
...
Selecting previously unselected package libisl10:armhf.
Unpacking libisl10:armhf (from .../libisl10_0.11.2-1_armhf.deb) ...
Selecting previously unselected package libcloog-isl4:armhf.
Unpacking libcloog-isl4:armhf (from .../libcloog-isl4_0.18.0-2_armhf.deb)
...
Selecting previously unselected package libgomp1:armhf.
Unpacking libgomp1:armhf (from .../libgomp1_4.8.1-10ubuntu9_armhf.deb) ...
Selecting previously unselected package libmpfr4:armhf.
Unpacking libmpfr4:armhf (from .../libmpfr4_3.1.1-2_armhf.deb) ...
Selecting previously unselected package libmpc3:armhf.
Unpacking libmpc3:armhf (from .../libmpc3_1.0.1-1_armhf.deb) ...
Selecting previously unselected package manpages.
Unpacking manpages (from .../manpages_3.54-1ubuntu1_all.deb) ...
Selecting previously unselected package binutils.
Unpacking binutils (from .../binutils_2.23.52.20130913-0ubuntu1_armhf.deb)
...
Selecting previously unselected package libc-dev-bin.
Unpacking libc-dev-bin (from .../libc-dev-bin_2.17-93ubuntu4_armhf.deb) ...
Selecting previously unselected package linux-libc-dev:armhf.
Unpacking linux-libc-dev:armhf (from .../linux-libc-
dev_3.11.0-18.32_armhf.deb) ...
Selecting previously unselected package libc6-dev:armhf.
Unpacking libc6-dev:armhf (from .../libc6-dev_2.17-93ubuntu4_armhf.deb) ...
Selecting previously unselected package cpp-4.8.
Unpacking cpp-4.8 (from .../cpp-4.8_4.8.1-10ubuntu9_armhf.deb) ...
Selecting previously unselected package cpp.
Unpacking cpp (from .../cpp_4%3a4.8.1-2ubuntu3_armhf.deb) ...
Selecting previously unselected package libgcc-4.8-dev:armhf.
Unpacking libgcc-4.8-dev:armhf (from .../libgcc-4.8-
dev_4.8.1-10ubuntu9_armhf.deb) ...
Selecting previously unselected package gcc-4.8.
Unpacking gcc-4.8 (from .../gcc-4.8_4.8.1-10ubuntu9_armhf.deb) ...
Selecting previously unselected package gcc.
Unpacking gcc (from .../gcc_4%3a4.8.1-2ubuntu3_armhf.deb) ...
Selecting previously unselected package libstdc++-4.8-dev:armhf.
Unpacking libstdc++-4.8-dev:armhf (from .../libstdc++-4.8-
dev_4.8.1-10ubuntu9_armhf.deb) ...
Selecting previously unselected package g++-4.8.
Unpacking g++-4.8 (from .../g++-4.8_4.8.1-10ubuntu9_armhf.deb) ...
Selecting previously unselected package g++.
Unpacking g++ (from .../g++_4%3a4.8.1-2ubuntu3_armhf.deb) ...
```

```
Selecting previously unselected package make.
Unpacking make (from .../make_3.81-8.2ubuntu3_armhf.deb) ...
Selecting previously unselected package libswitch-perl.
Unpacking libswitch-perl (from .../libswitch-perl_2.16-2_all.deb) ...
Selecting previously unselected package libclass-isa-perl.
Unpacking libclass-isa-perl (from .../libclass-isa-perl_0.36-5_all.deb) ...
Selecting previously unselected package perl-modules.
Unpacking perl-modules (from .../perl-modules_5.14.2-21build1_all.deb) ...
Selecting previously unselected package perl.
Unpacking perl (from .../perl_5.14.2-21build1_armhf.deb) ...
Selecting previously unselected package libtimedate-perl.
Unpacking libtimedate-perl (from .../libtimedate-perl_1.2000-1_all.deb) ...
Selecting previously unselected package libdpkg-perl.
Unpacking libdpkg-perl (from .../libdpkg-perl_1.16.12ubuntu1_all.deb) ...
Selecting previously unselected package patch.
Unpacking patch (from .../patch_2.7.1-3_armhf.deb) ...
Selecting previously unselected package dpkg-dev.
Unpacking dpkg-dev (from .../dpkg-dev_1.16.12ubuntu1_all.deb) ...
Selecting previously unselected package build-essential.
Unpacking build-essential (from .../build-essential_11.6ubuntu5_armhf.deb)
...
Selecting previously unselected package fakeroot.
Unpacking fakeroot (from .../fakeroot_1.20-1_armhf.deb) ...
Selecting previously unselected package libalgorithm-diff-perl.
Unpacking libalgorithm-diff-perl (from .../libalgorithm-diff-
perl_1.19.02-3_all.deb) ...
Selecting previously unselected package libalgorithm-diff-xs-perl.
Unpacking libalgorithm-diff-xs-perl (from .../libalgorithm-diff-xs-
perl_0.04-2build3_armhf.deb) ...
Selecting previously unselected package libalgorithm-merge-perl.
Unpacking libalgorithm-merge-perl (from .../libalgorithm-merge-
perl_0.08-2_all.deb) ...
Selecting previously unselected package libfile-fcntllock-perl.
Unpacking libfile-fcntllock-perl (from .../libfile-fcntllock-
perl_0.14-2_armhf.deb) ...
Selecting previously unselected package manpages-dev.
Unpacking manpages-dev (from .../manpages-dev_3.54-1ubuntu1_all.deb) ...
Setting up libgdbm3:armhf (1.8.3-12build1) ...
Setting up libasan0:armhf (4.8.1-10ubuntu9) ...
Setting up libatomic1:armhf (4.8.1-10ubuntu9) ...
Setting up libisl10:armhf (0.11.2-1) ...
Setting up libcloog-isl4:armhf (0.18.0-2) ...
Setting up libgomp1:armhf (4.8.1-10ubuntu9) ...
Setting up libmpfr4:armhf (3.1.1-2) ...
Setting up libmpc3:armhf (1.0.1-1) ...
Setting up manpages (3.54-1ubuntu1) ...
Setting up binutils (2.23.52.20130913-0ubuntu1) ...
Setting up libc-dev-bin (2.17-93ubuntu4) ...
Setting up linux-libc-dev:armhf (3.11.0-18.32) ...
Setting up libc6-dev:armhf (2.17-93ubuntu4) ...
Setting up cpp-4.8 (4.8.1-10ubuntu9) ...
```

```
Setting up cpp (4:4.8.1-2ubuntu3) ...
Setting up libgcc-4.8-dev:armhf (4.8.1-10ubuntu9) ...
Setting up gcc-4.8 (4.8.1-10ubuntu9) ...
Setting up gcc (4:4.8.1-2ubuntu3) ...
Setting up libstdc++-4.8-dev:armhf (4.8.1-10ubuntu9) ...
Setting up g++-4.8 (4.8.1-10ubuntu9) ...
Setting up g++ (4:4.8.1-2ubuntu3) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in
auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/c++.1.gz
because associated file /usr/share/man/man1/g++.1.gz (of link group c++)
doesn't exist
Setting up make (3.81-8.2ubuntu3) ...
Setting up libclass-isa-perl (0.36-5) ...
Setting up patch (2.7.1-3) ...
Setting up fakeroot (1.20-1) ...
update-alternatives: using /usr/bin/fakeroot-sysv to provide
/usr/bin/fakeroot (fakeroot) in auto mode
update-alternatives: warning: skip creation of
/usr/share/man/man1/fakeroot.1.gz because associated file
/usr/share/man/man1/fakeroot-sysv.1.gz (of link group fakeroot) doesn't
exist
update-alternatives: warning: skip creation of
/usr/share/man/man1/faked.1.gz because associated file
/usr/share/man/man1/faked-sysv.1.gz (of link group fakeroot) doesn't exist
update-alternatives: warning: skip creation of
/usr/share/man/es/man1/fakeroot.1.gz because associated file
/usr/share/man/es/man1/fakeroot-sysv.1.gz (of link group fakeroot) doesn't
exist
update-alternatives: warning: skip creation of
/usr/share/man/es/man1/faked.1.gz because associated file
/usr/share/man/es/man1/faked-sysv.1.gz (of link group fakeroot) doesn't
exist
update-alternatives: warning: skip creation of
/usr/share/man/fr/man1/fakeroot.1.gz because associated file
/usr/share/man/fr/man1/fakeroot-sysv.1.gz (of link group fakeroot) doesn't
exist
update-alternatives: warning: skip creation of
/usr/share/man/fr/man1/faked.1.gz because associated file
/usr/share/man/fr/man1/faked-sysv.1.gz (of link group fakeroot) doesn't
exist
update-alternatives: warning: skip creation of
/usr/share/man/sv/man1/fakeroot.1.gz because associated file
/usr/share/man/sv/man1/fakeroot-sysv.1.gz (of link group fakeroot) doesn't
exist
update-alternatives: warning: skip creation of
/usr/share/man/sv/man1/faked.1.gz because associated file
/usr/share/man/sv/man1/faked-sysv.1.gz (of link group fakeroot) doesn't
exist
Setting up manpages-dev (3.54-1ubuntu1) ...
Setting up libswitch-perl (2.16-2) ...
```

```
Setting up perl-modules (5.14.2-21build1) ...
Setting up perl (5.14.2-21build1) ...
update-alternatives: using /usr/bin/prename to provide /usr/bin/rename
(rename) in auto mode
update-alternatives: warning: skip creation of
/usr/share/man/man1/rename.1.gz because associated file
/usr/share/man/man1/prename.1.gz (of link group rename) doesn't exist
Setting up libtimedate-perl (1.2000-1) ...
Setting up libdpkg-perl (1.16.12ubuntu1) ...
Setting up dpkg-dev (1.16.12ubuntu1) ...
Setting up build-essential (11.6ubuntu5) ...
Setting up libalgorithm-diff-perl (1.19.02-3) ...
Setting up libalgorithm-diff-xs-perl (0.04-2build3) ...
Setting up libalgorithm-merge-perl (0.08-2) ...
Setting up libfile-fcntllock-perl (0.14-2) ...
Processing triggers for libc-bin ...
localepurge: Disk space freed in /usr/share/locale: 0 KiB
localepurge: Disk space freed in /usr/share/man: 0 KiB

Total disk space freed by localepurge: 0 KiB

root@plum:~#
```

gccなど開発環境が導入され、セルフ環境で開発が可能となります。

```
root@plum:~# gcc -v
Using built-in specs.
COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=/usr/lib/gcc/arm-linux-gnueabihf/4.8/lto-wrapper
Target: arm-linux-gnueabihf
Configured with: ../src/configure -v --with-pkgversion='Ubuntu/Linaro
4.8.1-10ubuntu9' --with-bugurl
=file:///usr/share/doc/gcc-4.8/README.Bugs --enable-
languages=c,c++,java,go,d,fortran,objc,obj-c++ -
-prefix=/usr --program-suffix=-4.8 --enable-shared --enable-linker-build-id
--libexecdir=/usr/lib --
without-included-gettext --enable-threads=posix --with-gxx-include-
dir=/usr/include/c++/4.8 --libdir
=/usr/lib --enable-nls --with-sysroot=/ --enable-clocale=gnu --enable-
libstdcxx-debug --enable-libst
dcxx-time=yes --enable-gnu-unique-object --disable-libitm --disable-
libquadmath --enable-plugin --wi
th-system-zlib --disable-browser-plugin --enable-java-awt=gtk --enable-gtk-
cairo --with-java-home=/u
sr/lib/jvm/java-1.5.0-gcj-4.8-armhf/jre --enable-java-home --with-jvm-root-
dir=/usr/lib/jvm/java-1.5
.0-gcj-4.8-armhf --with-jvm-jar-dir=/usr/lib/jvm-exports/java-1.5.0-gcj-4.8-
armhf --with-arch-direct
ory=arm --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --enable-objc-gc --
enable-multiarch --enable-
multilib --disable-sjlj-exceptions --with-arch=armv7-a --with-fpu=vfpv3-d16
```

```
--with-float=hard --with
-mode=thumb --disable-werror --enable-checking=release --build=arm-linux-
gnueabihf --host=arm-linux-
gnueabihf --target=arm-linux-gnueabihf
Thread model: posix
gcc version 4.8.1 (Ubuntu/Linaro 4.8.1-10ubuntu9)
```

導入後は、**overlaycfg** コマンドにより□tmpfs上の更新分ファイルをオーバーレイ領域に保存しておくことができます。
上記パッケージを導入した環境の場合、保存に6分ほどかかります。

```
root@plum:~# overlaycfg -s other
```

これにより導入したパッケージ類は保存され、再起動後も使用することができます。
保存されたファイルの状況を確認しても、まだ60%弱の使用率となっていることがわかります。

```
root@plum:~# ls -l /rw.tmpfs/.overlay/
total 22272
-rw-r--r-- 1 root root      980 Mar 12 15:02 overlays_etc.tar.xz
-rw-r--r-- 1 root root      108 Mar 12 15:02 overlays_home.tar.xz
-rw-r--r-- 1 root root    78192 Mar 12 15:02 overlays_log.tar.xz
-rw-r--r-- 1 root root 22714188 Mar 12 15:41 overlays_other.tar.xz
root@plum:~# df
Filesystem      1K-blocks   Used Available Use% Mounted on
rootfs             253828 138092    115736  55% /
udev               244440      4    244436   1% /dev
tmpfs               50768    236     50532   1% /run
/dev/mtdblock8      55296  55296         0 100% /ro
overlay-tmpfs      253828  22984    230844  10% /rw.tmpfs
overlay-persist    253828 138092    115736  55% /rw
/dev/loop0           1024   1024         0 100% /ro/lib/modules
/dev/loop1          21504  21504         0 100% /ro/usr/lib/jvm
overlay            253828 138092    115736  55% /
overlay.log        253828  22984    230844  10% /var/log
overlay.kmod       253828 138092    115736  55% /lib/modules
overlay.jvm        253828 138092    115736  55% /usr/lib/jvm
ubi0:overlay        40292  21904     16328  58% /rw.tmpfs/.overlay  <--- 保
存用領域使用状況
none                    4      0         4   0% /sys/fs/cgroup
none                 5120      0      5120   0% /run/lock
none               253828      0    253828   0% /run/shm
none               102400      0    102400   0% /run/user
```

From:
https://centurysys.jp/ - **MA-X/MA-S/MA-E/IP-K Developers' WiKi**

Permanent link:
https://centurysys.jp/doku.php?id=mae3xx_ope:package_install:start

Last update: **2014/03/14 09:35**