

slurm

A Highly Scalable Workload Manager

runtime dependencies	openmpi (Libraries/Networking)
make dependencies	libgtk2.0-dev
	libhdf5-dev
	libhwloc-dev
	python
	librrd-dev

Pré requis

```
apt install libgtk2.0-dev libhdf5-dev libhwloc-dev librrd-dev
```

Recette

```
mkdir /data/buildroot/package/slurm
cat > /data/buildroot/package/slurm/slurm-llnl.sysusers<< 'EOF'
u slurm 64030 "slurm daemon" - -
EOF

cat > /data/buildroot/package/slurm/slurm-llnl.tmpfiles<< 'EOF'
d /var/spool/slurmctld 0755 slurm slurm -
d /var/spool/slurmd 0755 root root -
Z /var/log/slurm-llnl - slurm slurm - -
EOF

cat > /data/buildroot/package/slurm/Config.in<< 'EOF'
config BR2_PACKAGE_SLURM
    bool "slurm"
    depends on BR2_PACKAGE_OPENMPI
    help
        A Highly Scalable Workload Manager
EOF

cat > /data/buildroot/package/slurm/slurm.mk<< 'EOF'
#####
#
# slurm
#https://github.com/SchedMD/slurm/archive/refs/tags/slurm-21-08-6-1.tar.gz
#####
SLURM_VERSION = 21-08-6-1
SLURM_SOURCE  = slurm-$(SLURM_VERSION).tar.gz
SLURM_SITE    = https://github.com/SchedMD/slurm/archive/refs/tags
```

```
SLURM_LTS_DEPENDENCIES = openmpi

define SLURM_BUILD_CMDS
    cd $(@D)/ && \
    autoreconf -i && \
    ./configure --disable-developer \
        --disable-debug \
        --enable-optimizations \
        --prefix=/usr \
        --sbindir=/usr/bin \
        --sysconfdir=/etc/slurm-llnl \
        --localstatedir=/var \
        --enable-pam \
        --with-hdf5 \
        --with-hwloc \
        --with-rrdtool \
        --with-munge && \
    make
endef

define SLURM_INSTALL_TARGET_CMDS
    cd $(@D)/ && \
    make DESTDIR="$(TARGET_DIR)/" install
    install -D -m644 $(@D)/etc/slurm.conf.example
"${TARGET_DIR}/etc/slurm/slurm.conf.example"
    install -D -m644 $(@D)/etc/slurmdbd.conf.example
"${TARGET_DIR}/etc/slurm/slurmdbd.conf.example"
    install -D -m644 $(@D)/LICENSE.OpenSSL
"${TARGET_DIR}/usr/share/licenses/${pkgname}/LICENSE.OpenSSL"
    install -D -m644 $(@D)/COPYING
"${TARGET_DIR}/usr/share/licenses/${pkgname}/COPYING"
    install -d -m755 "${TARGET_DIR}/etc/sysconfig"
    echo '#SLURMD_OPTIONS=""' > "${TARGET_DIR}/etc/sysconfig/slurmd"
    echo '#SLURMCTLD_OPTIONS=""' > "${TARGET_DIR}/etc/sysconfig/slurmctld"
    echo '#SLURMDBD_OPTIONS=""' > "${TARGET_DIR}/etc/sysconfig/slurmdbd"
    chmod 644 "${TARGET_DIR}/etc/sysconfig/{slurmd,slurmctld,slurmdbd}"
    install -D -m755 $(@D)/etc/init.d.slurm
"${TARGET_DIR}/etc/rc.d/slurm"
    install -D -m755 $(@D)/etc/init.d.slurmdbd
"${TARGET_DIR}/etc/rc.d/slurmdbd"
    install -D -m644 $(@D)/etc/slurmctld.service
"${TARGET_DIR}/usr/lib/systemd/system/slurmctld.service"
    install -D -m644 $(@D)/etc/slurmd.service
"${TARGET_DIR}/usr/lib/systemd/system/slurmd.service"
    install -D -m644 $(@D)/etc/slurmdbd.service
"${TARGET_DIR}/usr/lib/systemd/system/slurmdbd.service"
    install -D -m644 /data/buildroot/package/slurm/slurm-llnl.sysusers
"${TARGET_DIR}/usr/lib/sysusers.d/slurm.conf"
    install -D -m644 /data/buildroot/package/slurm/slurm-llnl.tmpfiles
"${TARGET_DIR}/usr/lib/tmpfiles.d/slurm.conf"
    install -d -m755 "${TARGET_DIR}/var/log/slurm"
```

```
    install -d -m755 "${TARGET_DIR}/var/lib/slurm"
endif

$(eval $(generic-package))
EOF

sed -i '/menu "Custom packages"/a source "package/slurm/Config.in"'
/data/buildroot/package/Config.in
```

From:

<http://www.ouarte.garden/> - **dwndoc**

Permanent link:

<http://www.ouarte.garden/doku.php?id=buildroot:slurm>

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