# Who is Jorge Manuel B. S. Vicetto (jmbsvicetto)?

- Gentoo developer since 2006
- Worked on forums, KDE, DevRel, UserRel, MySQL
- Run a few elections and was in Council 2 years
- Joined the #gentoo-ten team for 10.0 DVD

- Releng team meber
- Working on amd64 / x86 weekly builds
- Working on catalyst

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**Catalyst Workshop:**

- Build ~amd64 stage3 (using scripts)
- Build custom installcd
- Build custom stage4

**Build ~amd64 stage3:**

- Build stage3

    ${BUILD_ROOT}/releng/scripts/update_auto_tree
    ${BUILD_ROOT}/releng/tools/catalyst-auto -c
/release/releng/tools/catalyst-auto-amd64.conf

    This will build stage1, stage2 and stage3 in sequence and it will use the specs from the releng repo in releases/weekly/specs/amd64/

# Build.env

```
BASE_DIR="${BUILD_ROOT}"
REPO_DIR="${BUILD_ROOT/releng"
TMP_PATH="${BUILD_ROOT/tmp/run"
BUILD_SRCDIR_BASE=${BASE_DIR}/buildroot/${ARCH}-dev/builds/
BUILD_DESTDIR_BASE=${BASE_DIR}/weekly/${ARCH}/

CATALYST_CONFIG=/etc/catalyst/release/${ARCH}-${TYPE}.conf

EMAIL_SUBJECT_PREPEND="[${ARCH}-${TYPE}]"
EMAIL_TO=<email>
EMAIL_FROM=catalyst@$(hostname -f)
```

# amd64-auto.conf

```
distdir="/usr/portage/distfiles"
portdir="/usr/portage"
options="autoresume kerncache pkgcache seedcache snapcache"
sharedir="/usr/lib64/catalyst/"
storedir="${BUILD_ROOT/buildroot/amd64-dev"
snapshot_cache="${BUILD_ROOT/tmp/snapshots"
envscript="/etc/catalyst/local/host.env"
hash_function="crc32"
digests="sha512 whirlpool"
contents="auto"
```

Host.env

export GENTOO_MIRRORS="ftp://rush.tisys.org/pub/gentoo/"
export INPUT_DEVICES="evdev keyboard mouse vmmouse"
export MAKEOPTS="-j9 -l4"
export ACCEPT_KEYWORDS="~amd64"

The build will fail if we use a seed stage3 with stable keywords. We need to use the seed in the catalyst-workshop dir

**Build custom installcd:**

- Build custom CD

```
catalyst -s 20121020
catalyst -f ${BUILD_ROOT}/workshop/installcd1.spec -c
/etc/catalyst/release/amd64-auto.conf
catalyst -f ${BUILD_ROOT}/workshop/installcd2.spec -c
/etc/catalyst/release/amd64-auto.conf
```

This will build a custom CD

**Build custom stage4:**

• Build stage4

catalyst -s 20121020 -c /etc/catalyst/release/amd64-auto.conf
catalyst -f ${BUILD_ROOT}/workshop/stage4.spec -c
/etc/catalyst/release/amd64-auto.conf

This will build a stage4 using the stage4.spec

**Questions?**

**Credits:**

Fernando Orucu (likewhoa) for the backgrounds

**Thanks**

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SuSE for fostering the Conference and the organization

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