

# Gentoo @ IsoHunt

or, you did WHAT with profiles?

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Gentoo Infrastructure

Gentoo Miniconf Prague  
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# IsoHunt...

- BitTorrent search engine
- 3+ racks, 2+ locations, 30+ machines
- 300+ Mbit/sec
- 100% Gentoo powered



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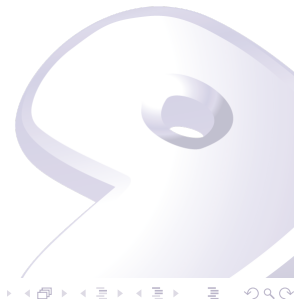
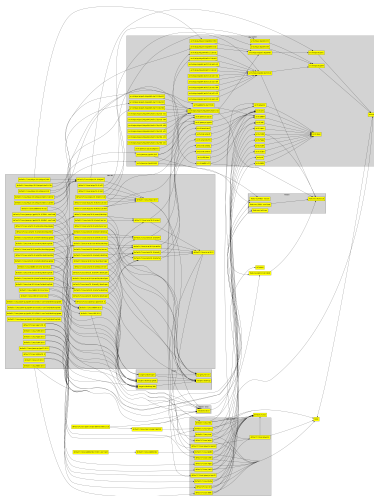


# Gentoo Profiles

- Originally single-parent
- Multi-parent release in 2008.0
- `package.{mask,use,unmask,accept_keywords}`

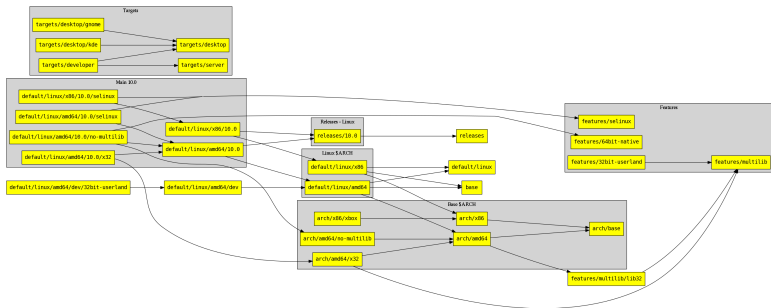


# Non-Prefix profiles view



# Subset of profiles

- amd64+x86, no prefix, no selinux, no hardened, no targets



# Profiles for a purpose

- Location
  - (censored)
- Hardware class
  - barcelona, k8, nehalem, x86\_64, xeon\_c2d, xeon\_e5, xeon\_york
- Machine role
  - db, infra, lucene, monitor, router, vm, web
- Host
  - *\$HOSTNAME*

# Parent file

```
/usr/portage/profiles/default/linux/amd64/10.0/server  
/etc/managed-portage/common/pre/make.profile  
/etc/managed-portage/location/XXXXX/make.profile  
/etc/managed-portage/class/db/make.profile  
/etc/managed-portage/hwtype/xeon_york/make.profile  
/etc/managed-portage/common/post/make.profile
```



# Setup

```
ln -sf /etc/managed-portage/hosts/${h}/make.conf /etc/make.conf
ln -sf /etc/managed-portage/hosts/${h}/make.profile/ /etc/make.profile
ln -sf /etc/managed-portage/hosts/${h}/etc-portage/ /etc/portage
```