



Meeting of the Technical Steering Committee (TSC) Board

Tuesday, May 15th 2018
11:00am ET

Meeting Logistics

- https://www.uberconference.com/jeff_ef
- United States : +1 (510) 224-9559 (No PIN needed).

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Agenda

- Reminder:
 - TSC call for nominations is out
 - Submission deadline: Friday June 15
 - submit nomination and CV via email to:
tsc-nominations@OpenHPC.groups.io
 - ISC is June 24-28th, we will have a booth
- RPM upgrade issue for compatibility package
- Availability of CentOS7.5
- Exploiting `%{disttag}` to include ohpc version

Compatibility package

- While testing upgrades from original v1.3 in cases where PSXE builds are installed, we have detected an issue when upgrading the compiler compatibility package (intel-compilers-devel-ohpc)
 - works fine to create ohpc-style modulefiles when doing fresh install
 - inadvertently removes ohpc-style modulefiles when doing an upgrade
- The bug-a-boo here is that the %postun scriptlet runs by default in both uninstall and upgrade transactions
 - upgrade process was creating, and then removing the modulefiles by running %postun
 - simple fix is to add check in %postun to avoid removal during upgrades

```
%postun
if [ $1 -eq 0 ];then
  if [ -s %{OHPC_MODULES}/intel/.manifest ];then
    for file in `cat %{OHPC_MODULES}/intel/.manifest`; do
      if [ -e $file ];then
        rm $file
      fi
    done
    rm -f %{OHPC_MODULES}/intel/.manifest
  fi
fi
```

Compatibility package

- Fixing %postun avoids problems for future end-user installs, but still have a gotcha with existing installations
 - note the scriptlet ordering performed during upgrades:

Fedora RPM Scriptlet Ordering From the [Packaging:ScriptletSnippets](#) page:

1. %pretrans of new package
2. %pre of new package
3. (package install)
4. %post of new package
5. %triggerin of other packages (set off by installing new package)
6. %triggerin of new package (if any are true)
7. %triggerun of old package (if it's set off by uninstalling the old package)
8. %triggerun of other packages (set off by uninstalling old package)
9. %preun of old package
10. (removal of old package)
11. %postun of old package
12. %triggerpostun of old package (if it's set off by uninstalling the old package)
13. %triggerpostun of other packages (if they're setu off by uninstalling the old package)
14. %posttrans of new package

- To provide fix for existing installations, leveraging the %posttrans scriptlet during upgrade of old package (ie. one without the fix) and re-installing ohpc-style modulefiles

CentOS7.5

- CentOS7.5 published last week
- Have done some preliminary work and testing with 7.5 on x86_64
 - imported CentOS7.5 packages for aarch64 and x86_64 into our OBS build system
 - created a baseline 7.5 SMS image for x86_64 in our CI environment
- One observed change:
 - rpm command queries in 7.5 do not work without the presence of `/dev/urandom`
 - Does not necessarily impact stateless Warewulf installs, but could be confusing to users who `chroot` into their image assembly location and get errors when running `rpm` or `yum`
 - Proposing to patch Warewulf to automatically create `/dev/urandom` during the `wwmkchroot` process
- Given that the installed userbase has access to 7.5 now, are folks amenable to upgrading the target environment for CentOS to 7.5 for the 1.3.5 release?
 - update CI for both x86_64 and aarch64
 - rebuild items like Lustre
 - work thru any issues

Adding ohpc version tag to package release numbering

- Comment from Adrian to the TSC list:

"I would find it helpful if the `%{dist}` would contain the release a package has been built for. By setting it to something like `'.ohpc.1.3.5'` would make it easier to understand to which release a package belongs."

- Note on OBS builds:
 - by default, OBS takes ownership of managing the release tag numbering (it bumps it up when there are source changes or when an upstream package change triggers a rebuild)
 - Release: `<CI_CNT>.<B_CNT>`
 - we currently leverage this capability for automatic numbering for all packages except `ohpc-release`
 - we do have control over the format of this string, so I think we could amend to include a string highlighting which ohpc release the build belongs to:
 - Release: `<CI_CNT>.<B_CNT>.ohpc.1.3.5`

- Thoughts?

- would result in package names like: `mpich-gnu7-ohpc-3.2.1-4.4.ohpc.1.3.5.x86_64`
- given that not every package changes for a given ohpc release, users would have some packages installed locally with different ohpc version strings

‘ohpc’ listed twice

