

vCloud Usage Meter 4.5 Upgrade - Error(908) Command line option is invalid: --skipdigest

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description: Usage Meter Upgrade (upgrade-um.sh) failed, tdnf: No such option --skipdigest
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Again a interesting bug, this time during the In-Place Upgrade of a VMWare vCloud Usage Meter from Version 4.4 to 4.5, which shouldn't be a big deal based on the [official Upgrade Guide](#) (Archive: [\[1\]](#), [\[2\]](#)).

Running `bash /root/upgrade/upgrade-um.sh` ended in:

```
Error(908) : Command line error: option is invalid.  
No such option: --skipdigest. Please use /usr/bin/tdnf --help  
Upgrade fail during JRE update. Please, revert to latest snapshot and prior update execute 'tdnf clean cache'.
```

I followed all steps exactly as described in the Guide so how is it possible that the Upgrade Script triggers `tdnf` with unavailable options? Couldn't find anything related / similar in the VMWare KB, GitHub and a good old Google / DuckDuckGo Search.

Based on our internal documentation, we installed the Usage Meter a while back in Version 4.1 and upgraded to 4.4 a year ago, probably there was also a 4.2 and / or 4.3 upgrade before.

The result of `tdnf --version` was a quite outdated version `tdnf: 1.2.3` which seem to be released around mid of 2017, but option `--skipdigest` was part of a [commit](#) (Archive: [\[1\]](#), [\[2\]](#)) on April 12 2019.

vCloud Usage Meter is running on VMware Photon OS, *just* another Linux Distribution with yum as package manager and attached online repositories. So let's just try to update `tdnf` manually via `yum update tdnf`:

```
Upgrading:
rpm-libs      x86_64      4.14.3-1.ph3      photon-updates    937.03k 959523
rpm           x86_64      4.14.3-1.ph3      photon-updates    356.38k 364930
hawkey        x86_64      2017.1-8.ph3      photon-updates    150.05k 153656
tdnf-cli-libs x86_64      3.1.8-1.ph3      photon-updates    70.18k 71864
tdnf          x86_64      3.1.8-1.ph3      photon-updates    309.71k 317139

Total installed size: 1.78M 1867112

Is this ok [y/N]: y
```

Looks good, installation of version `tdnf: 3.1.8` was successful, a quick test, which ended earlier in the same *Error(908)* as above, worked this time, so obviously this version is new enough to know the option `--skipdigest`:

```
tdnf update --skipdigest vmware-jre
```

Afterwards I could just follow the Guide from VMWare to perform the In-Place Upgrade to Version 4.5 without any further issues. I assume something went wrong during earlier Upgrades and `tdnf` was never updated after the initial Installation. Earlier Upgrade Scripts probably didn't use the `--skipdigest` option, so it was undetected until now.

All this would explain why no one else seem to hit that bug, was probably a rare edge case limited to our Environment.