

Reworking: staging/toyota.git (proposal)

Basic strategy of reworking: staging/toyota.git

- Trial Period
 - As a basic principle, the recipe of **meta-agl-basesystem** in **staging/toyota.git** will be maintained as it is. However, the following items need to be fixed.
 - **Features are redundant and too detailed**
 - **Some recipes include source code (and header) files inside** (e.g. meta-agl-basesystem/recipes-core/kernel-module-evklib)
 - Create sub meta layer directory, '**meta-agl-basesystem**' in ~~OEM layer (new)~~ or AGL/meta-agl-devel.git as the starting point
- 1st Release
 - Reorganize the package structure and recipes
 - carefully reintegrate them one by one into **meta-agl-toyota** or migrate them to **meta-agl-ivi/meta-agl-basesystem** (TBD)

OEM Layer: meta-agl-toyota

Not yet introduced 24 Nov 2020 (under development)

There are 2 approaches,

- Case A
 - Create OEM/meta-agl-toyota.git at AGL-gerrit
- Case B
 - Create sub directory ~~meta-agl-toyota~~ meta-oem-productready at AGL/meta-agl-devel.git as a starting point (Trial Period)
 - Migrate to OEM/meta-agl-toyota.git or meta-agl.git after refactoring meta-agl (e.g. introducing meta-agl-ivi/meta-agl-ic) is completed (1st Release)

Today's AGL UCB layer structure

bsp
external
meta-agl
meta-agl-cluster-demo
meta-agl-demo
meta-agl-devel
meta-agl-extra
meta-agl-telematics-demo

Tasks of Trial Period (baseline)

- Create ~~meta-agl-toyota~~ meta-agl-basesystem
 - ~~TBD: creating new repository or reusing meta-agl-devel.git~~
- Reorganize features that are redundant and too detailed (e.g. ns-xxx, os-xxx, ps-xxx, ss-xxx, vs-xxx)
- Task list (case A or B) is depend on the format of OEM layer: meta-agl-toyota (git repository) or sub directory of meta-agl-devel.git

Task list (Case A: Creating new repository)

- ☐ Create OEM/meta-agl-toyota.git at AGL-gerrit
- ☐ Create sub directory into meta-agl-toyota.git
 - $\$(TOPDIR)/meta-agl-basesystem$
- ☐ Put meta-agl-basesystem/* of staging/toyota.git under meta-agl-basesystem/
- ☐ Remove redundant features

Layer structure will be

Repository: OEM/meta-agl-toyota.git

Directory tree:

$\$(TOPDIR)$ of OEM/meta-agl-toyota.git

~~meta-agl-basesystem~~
~~templates~~

~~-feature~~

Task list (Case B: Reusing meta-agl-devel.git)

- ☒ Create sub directory meta-agl-basesystem
- ☐ Put meta-agl-basesystem/* of staging/toyota.git under meta-agl-basesystem/
- ☒ Remove redundant features

Layer structure will be

Repository: AGL/meta-agl-devel.git

Directory tree:

$\$(TOPDIR)$ of AGL/meta-agl-devel.git
docs
meta-agl-jailhouse

meta-oem-production-readiness

meta-agl-basesystem

meta-speech-framework

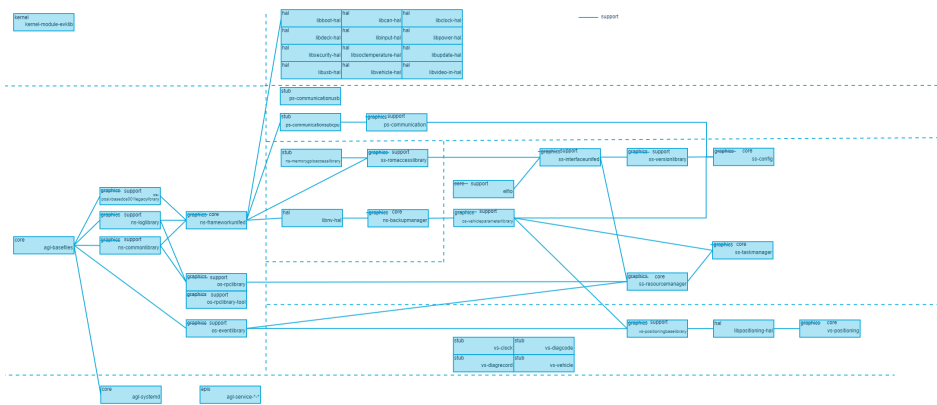
templates

feature

agl-basesystem

ag

Appendix: Analysis packages's dependency of staging/toyota.git which was uploaded at 30 Mar 2020



Appendix: Analysis of staging /toyota.git which was uploaded at 30 Mar 2020

```

${TOPDIR of repo sync}
bsp
external
meta-agl

```

- docs
- meta-agl
- meta-agl-basesystem**
- ...
- scripts
- templates**

base
feature

- meta-agl/meta-agl-basesystem was added
- several features of meta-agl-basesystem were added, but **agl-basesystem** feature requires all packages, so features that specify individual packages are considered redundant
 - agl-basesystem requires conf/include/agl-basesystem-base.inc
 - agl-basesystem-base.inc adds packagegroup-agl-basesystem to IMAGE_INSTALL
 - packagegroup-agl-basesystem includes following sub packagegroups
 - packagegroup-agl-basesystem-core
 - packagegroup-agl-basesystem-graphics add following packages as RDEPENDS
 - ns-commonlibrary
 - ns-loglibrary
 - ns-frameworkunified
 - ns-backupmanager
 - os-eventlibrary
 - os-posixbasedos001legacylibrary
 - os-vehicleparameterlibrary
 - os-rpclibrary
 - ps-communication
 - ss-versionlibrary
 - ss-romaccesslibrary
 - ss-config
 - ss-interfaceunified
 - ss-resourcemanager
 - ss-taskmanager
 - vs-positioning
 - vs-positioningbaselibrary
 - packagegroup-agl-basesystem-service add following packages as RDEPENDS
 - agl-service-ns-backupmanager
 - agl-service-ns-notificationpersistent
 - agl-service-ps-communication
 - agl-service-ss-loggerservice
 - agl-service-ss-powerservice
 - agl-service-ss-resourcemanager
 - agl-service-ss-taskmanager
 - agl-service-vs-positioning
 - agl-service-ss-systemmanager

agl-all-features
agl-appfw-smack
agl-archiver
agl-basesystem
agl-buildstats
...
ns-backupmanager
ns-commonlibrary
ns-frameworkunified
ns-loglibrary
ns-
notificationpersistent
os-eventlibrary
os-
posixbasedos001legac
ylibrary
os-rpclibrary
os-
vehicleparameterlibrary
ps-communication
ss-config
ss-interfaceunified
ss-loggerservice
ss-powerservice
ss-resource manager
ss-romaccesslibrary
ss-systemmanager
ss-taskmanager
ss-versionlibrary
vs-positioning
vs-
positioningbaselibrary
machine

- meta-agl-cluster-demo
- meta-agl-demo
- meta-agl-devel
- meta-agl-extra
- meta-agl-telematics-demo