



# AGL framework

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# Main goals for ALS 2017

DONE!

Integration with Systemd

Almost  
done

Automatic connection to service and API

Work in  
Progress

Identity agent

Work in  
Progress

OpenId connect service



Bugs !

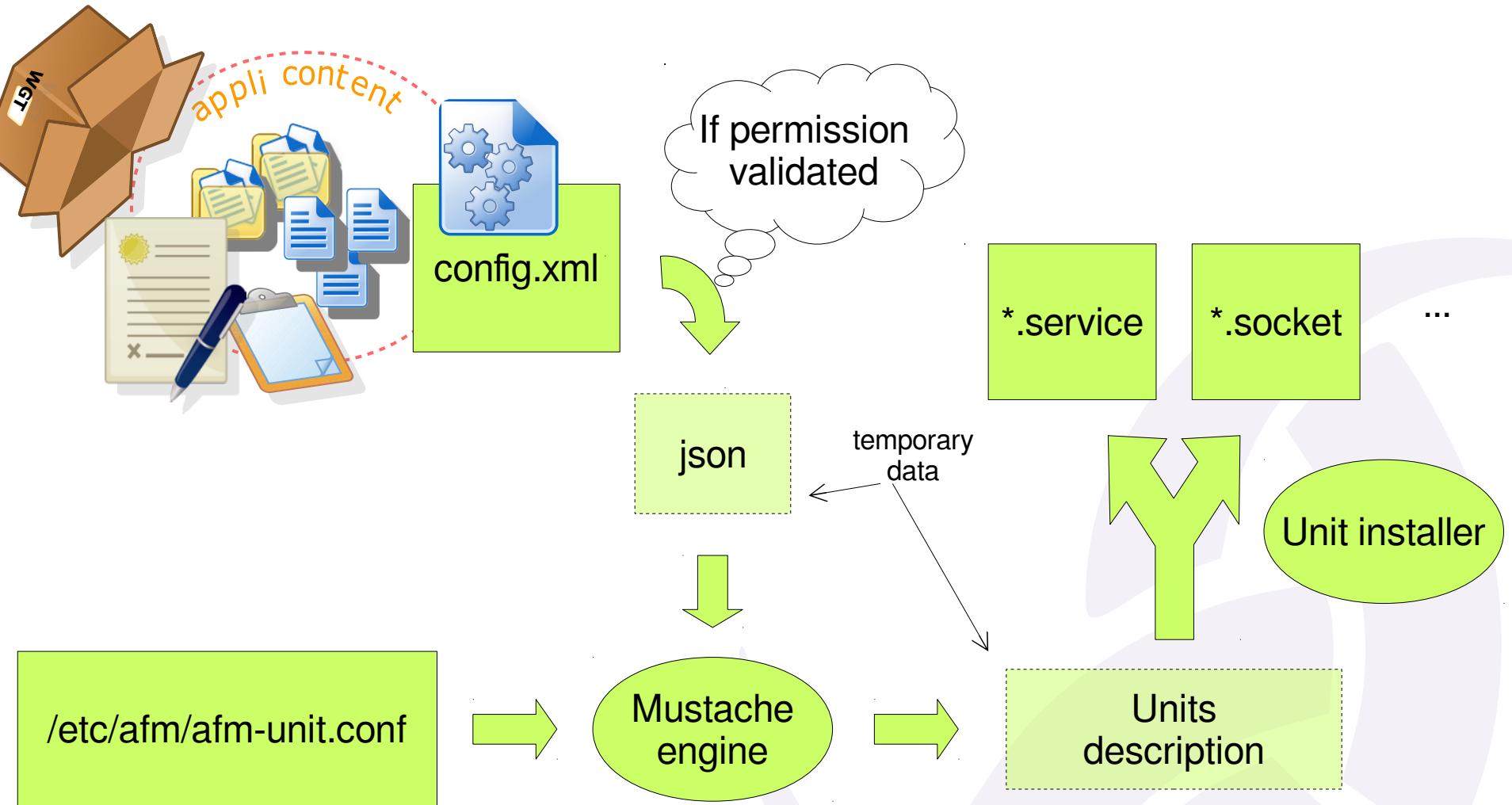


# Recent work

# Integration with systemd

- Brings systemd functionnalities:
  - Socket-based Services Activation
  - CGroups / Namespaces for apps
  - ... and any upcoming enhancement in systemd
- Automatic start of services / apps
- Automatic connection of clients to services
- Composition of services coming from different packages

# Integration with systemd



# Definition of permissions

urn:AGL:permission:<api>:<level>:<hierarchical-name>

The API providing  
(requiring) the permission.

One of the values:

- system
- platform
- partner
- *publisher*
- *owner*
- public

Colon separated  
names possibly  
defining hierarchies of  
permissions

Advantage: self declaration of api, level and scoping.

Note that other schemes can be defined for being used together with this one.

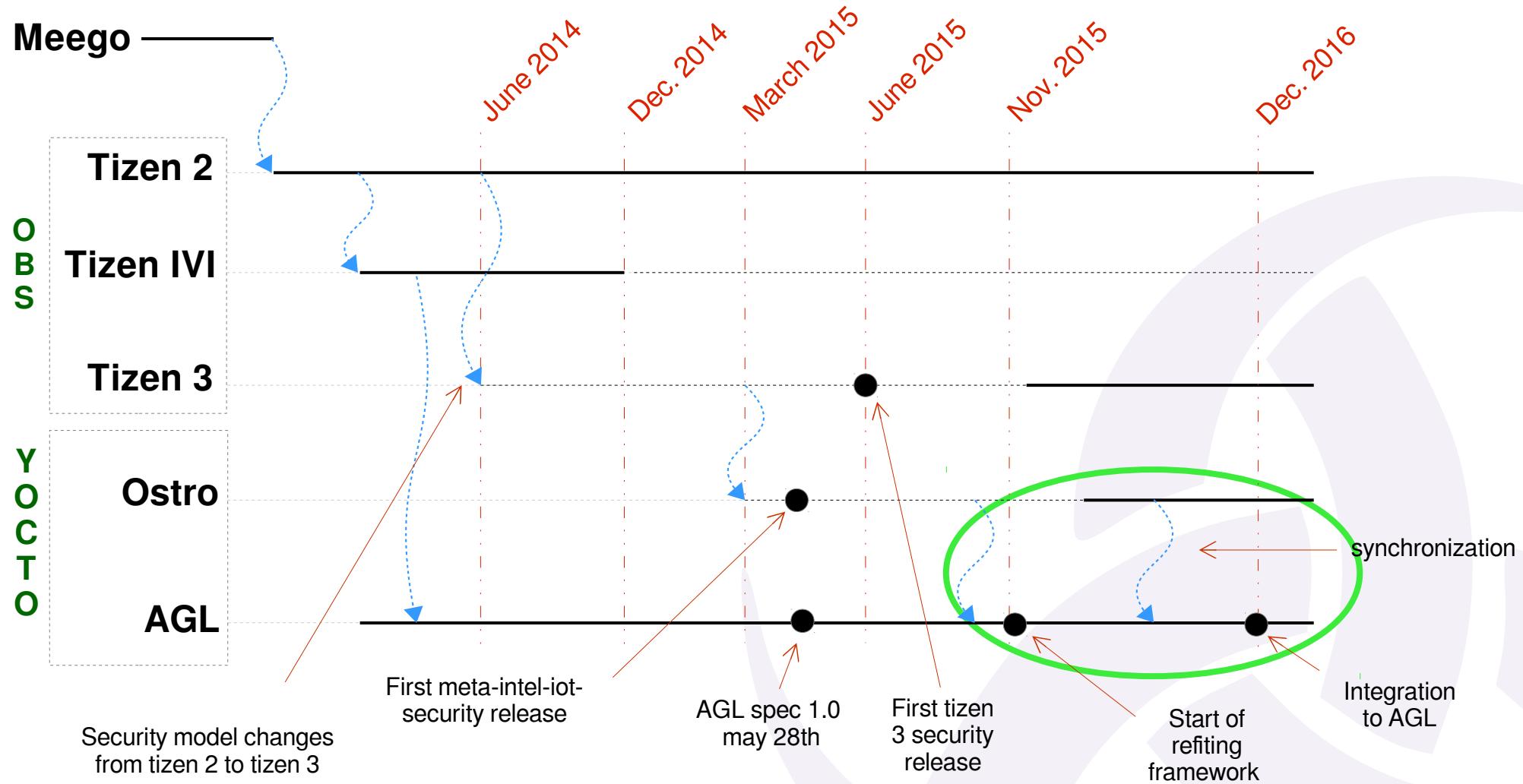
Examples:

- urn:AGL:permission::platform:no-oom
- urn:AGL:permission:lowcan:system:read,write



# Ongoing work

# History of the security model



# Security Topics

- Ensure cynara enforcement
- Test cynara tools
- Maintenance of meta-agl-security layer
- OpenID Connect – protect remote APIs



# **Binder / Bindings**

# Binder Enhancements

- Automatic transparent APIs to services
  - using D-Bus
  - using websocket locally
  - using in memory linkage
  - using websocket to access an OpenId connect protected
- Realign on upstream libmicrohttpd 50
- Native binder

# API Transparency

