

# Sound Manager Overview for AGL F2F meeting

30<sup>st</sup>/Aug/2017

Mentor - A Siemens Business

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# Development formation

**TOYOTA**

HMI Framework system design

- Mr.Hoshina
- Mr.Ohiwa

**Mentor**<sup>®</sup>  
A Siemens Business  
& WITZ

Sound Manager software design

- Kojima
- Mitsunari

**ADIT  
&  
Denso**

GENIVI Audio Manager software design

- Mr.Isogai
- Mr.Nishiguchi

# What is Sound Manager?

- The sound manager is the service which provides **"sound-right"** management for multiple sound sources.
- This service based on **GENIVI Audio Manager**.
- This package contains **service binder** and **library** for API calling.
- The reason why this service based on GENIVI Audio Manager is because the sound manager supports **highly strong and flexible sound-right management function**.

# What is difficulty

Refer ↓

<https://wiki.automotivelinux.org/eg-ui-graphics-req-audiorouting>

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# Where you can get the document

AGL Top page > AGL Wiki > Expert Groups: UI and Graphics  
> Sound Manager 2017

<https://wiki.automotivelinux.org/soundmanager>

- Getting start
- Software architecture
- API reference
- Sequence
- Limitation
- etc.

## Sound Manager Application Guide

### Table of content

- Target reader of this document
- Overview
- Getting Start
  - Supported environment
  - Build
  - Configuring
  - How to call Sound Manager's APIs from your Application?
- Supported usecase
- Software Architecture
- API reference
  - CommandReceiver API
  - CommandSender API
  - CAmRoutingReceiver API
  - CAmRoutingSender API
  - Sound Manager Specific API
- Sequence
  - StartUp
  - Registration
  - Request Sound Right
  - Connect Sound Route
  - Start Sound Streaming
  - Stop Sound Streaming
  - Disconnect Sound Route
  - Change Volume
  - Set Mute State
  - Release Sound Right
  - Audio Domain
- Sample code
- Limitation
- Next Plan

# What is available today?

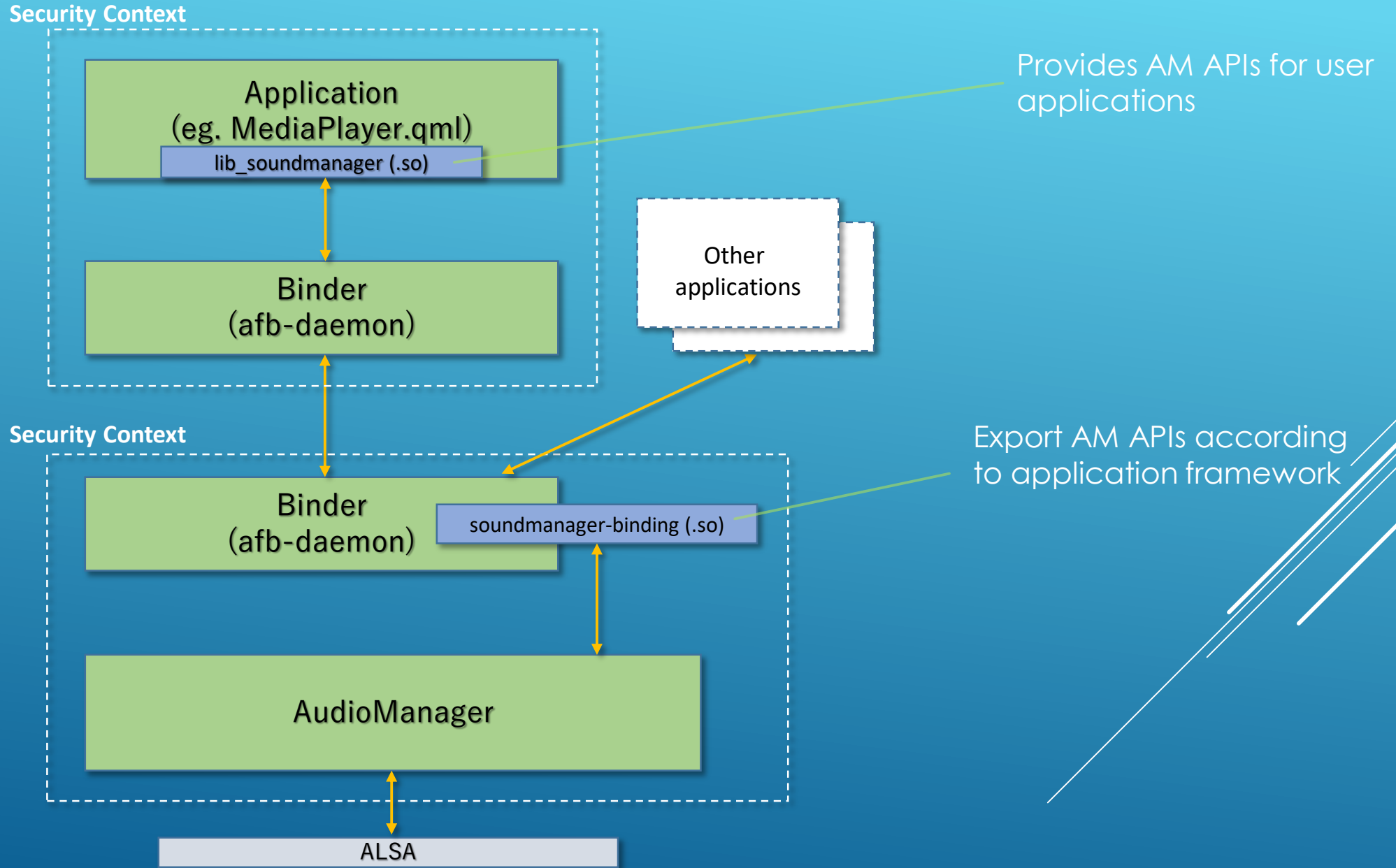
- Application Guide
  - for application developer
- Demo
  - explain later
- Binder and Library
  - will upload very soon
- Sample code
  - Media Player
  - Radio
  - Phone (coming soon)



Architecture



# Architecture (Application framework point of view)





# Architecture

