

A close-up photograph of lavender flowers in various stages of bloom, from dark purple buds to light purple and white blossoms. The flowers are arranged in vertical spikes on thin, green stems. The background is a soft, out-of-focus light blue-grey.

**GPII**

State of the Art

# In today's presentation

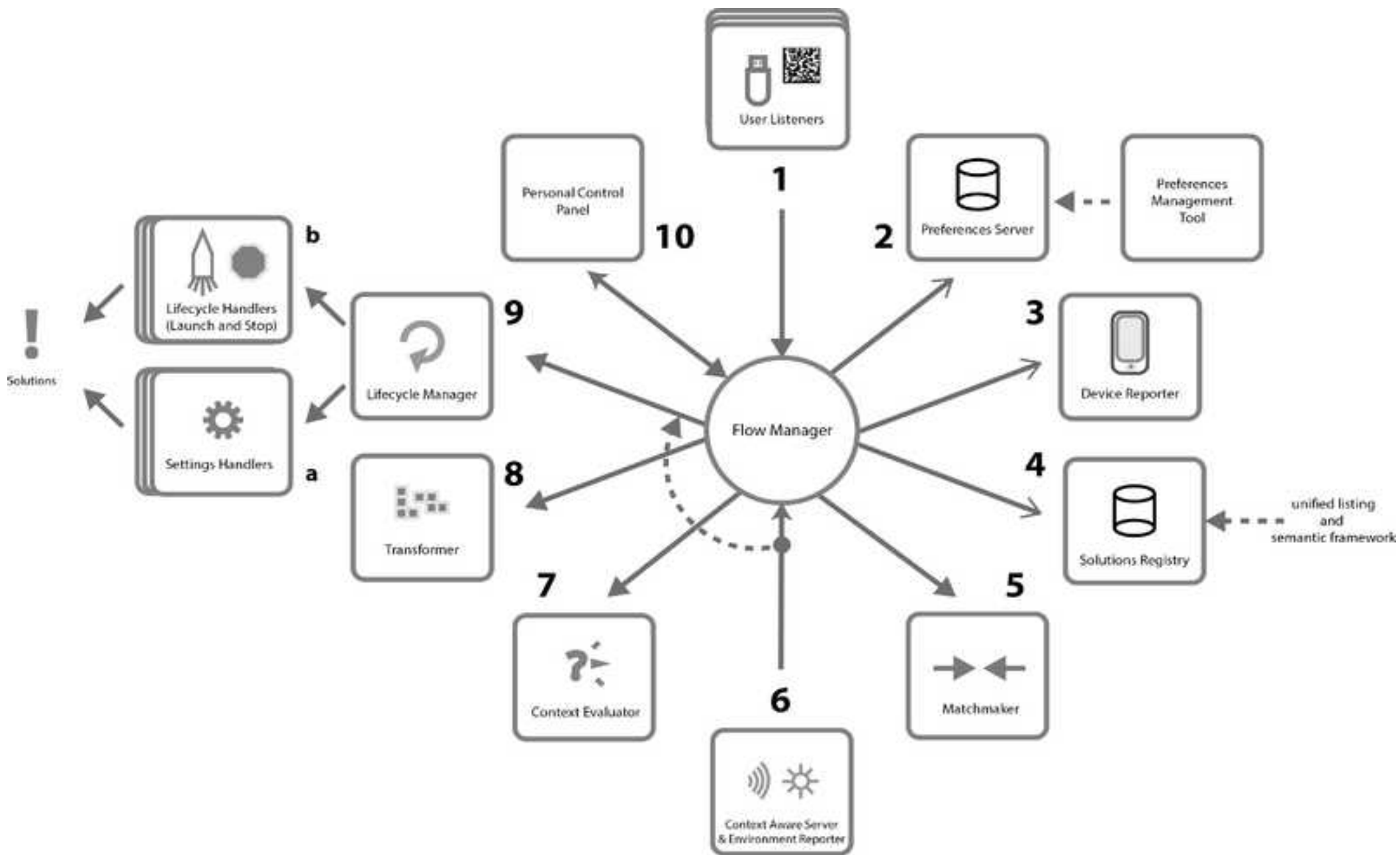
- What are we building?
- How are we building it?
  - Architecture overview
  - Personalization layers
- Current status
- Challenges
- (Unofficial) Roadmap

# What are we building?

- We are **not**
  - Creating a new AT
  - Making a replacement for any AT
  - Reinventing the wheel
- We are building a framework that, by having our preferences stored in the cloud and by identifying ourselves with a token, allows us to use **any device, anywhere and at anytime**

# How are we building it?

- Cross-platform and highly portable core architecture framework
  - Flexible, modularized and pluggable
  - Using cutting-edge technologies
- Minimal set of platform-specific components that can be easily plugged into the core architecture



# Personalization layers

- OS (filesystem, libraries/APIs, etc)
- OS built-in ATs
- Third party applications and ATs
- Cloud-based ATs
- Websites

# Current (demo) status

- Platforms (MS Windows, GNU/Linux with the GNOME Desktop, Android and JME-featured phones)
- Products (NVDA, JAWS, Web browsers, and many more)
- We can have a set of preferences that can be used in any of the mentioned platforms and with many different combinations of products
- We can even react to changes in the context

# Challenges

- Improve our current implementation in many aspects
- Add support for more platforms and products
- Determine what's best for the users in every use case
- Secure all the infrastructure
- A Management Tool for the end-users



# (Unofficial) Roadmap

- Ongoing R&D projects: Prosperity4all, PGA
- UIITA-RERC Library GPII System (LGS)
  - Very limited and custom version of the GPII for libraries
- GPII-APCP
  - More advanced version of the GPII
  - Will be deployed in the US in about 24 months

# Want to join the effort?

- References

- <http://gpII.net>
- <http://raisingthefloor.org>
- <http://wiki.gpII.net>
- <http://gpII.github.io>
- <http://github.com/GP11>

# THANK YOU SO MUCH!



**GPII: State of the art**  
**FOSDEM 2016**

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