

QML across all UI Stacks Support for Widgets

Kevin Krammer
and
Tobias König
KDAB

Agenda

- Motivation for DeclarativeWidgets
- Demo of pure QML Widget UI
- Porting
 - From designer/C++ UI to QML
 - Adding a BB10/Cascades UI
- Q&A
- Resources

Motivation

Situation

- Widgets
 - Widely used, well understood
 - Static UI, compiled code
 - Often tightly coupled with core logic
- QML
 - Relatively new, misunderstood as QtQuick
 - Runtime loadable, adjustable
 - Encourages separation core/UI

Goal

- Widgets with QML
 - No user-visible change
 - Apply existing developer knowledge
 - Core independent of UI
 - UI replaceable
 - QtWidgets -> QtWidgets (update/customize)
 - QtWidgets -> QtQuick
 - QtWidgets -> Cascades

Declarative Widgets



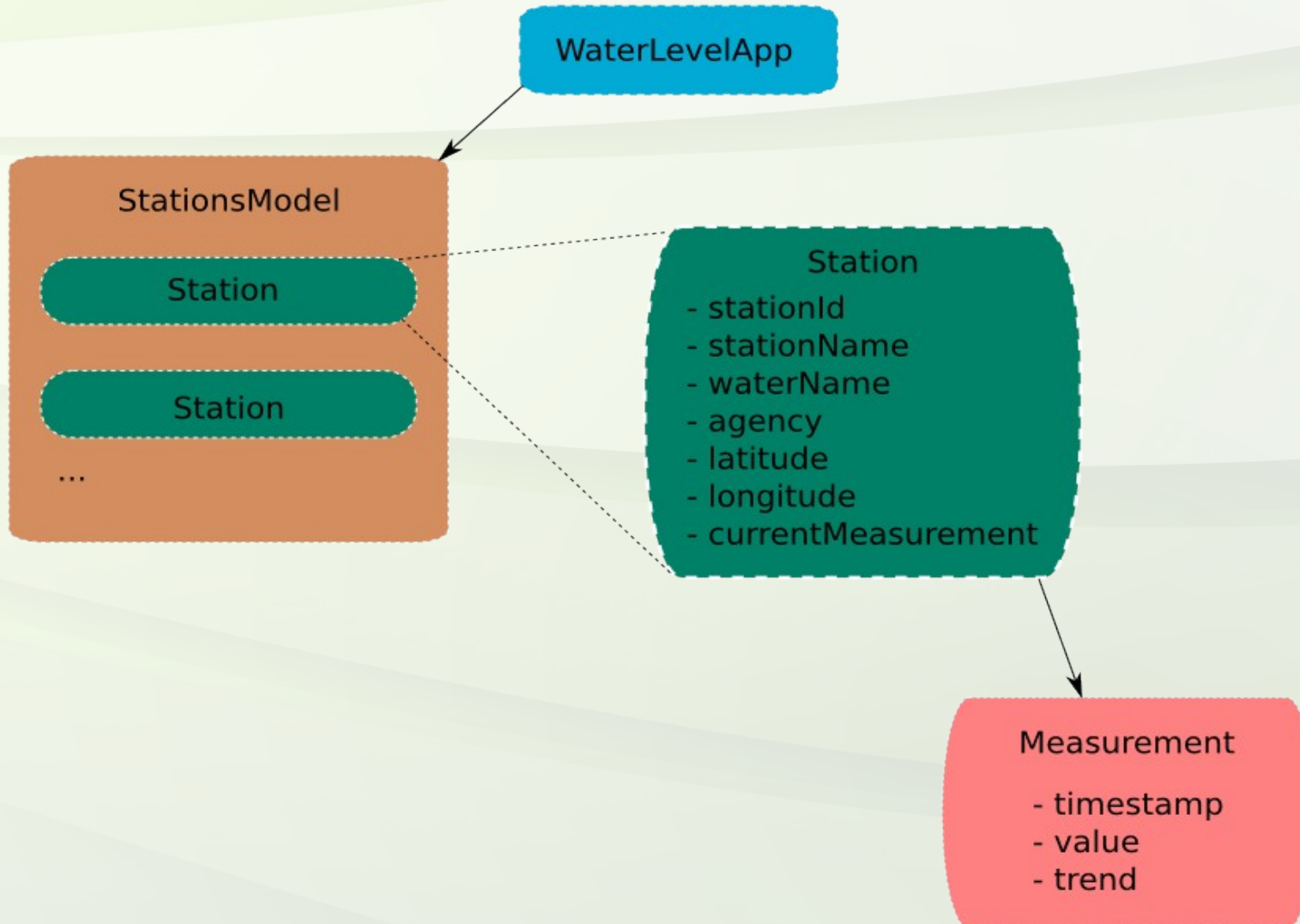
Developer
Days
2013

Demo

WaterLevel



Developer
Days
2013



Porting

- Step 1: Declarative Widgets
 - Create QML files for windows/dialogs
 - Make core API exposable
- Step 2: Mobile UI
 - Create QML files for target platform
 - Re-use core API from Step 1

Step 1



Developer
Days
2013

Demo

Step 1



Developer
Days
2013

Final Result

Step 2



Developer
Days
2013

Demo

Step 2



Developer
Days
2013

Final Result

Q&A



Thank you for your attention!

Any Questions?

- <https://github.com/KDAB/DeclarativeWidgets>
- Free Software / Open Source Software
- Works with Qt4
- Work in progress

kevin.krammer@kdab.com, tobias.koenig@kdab.com

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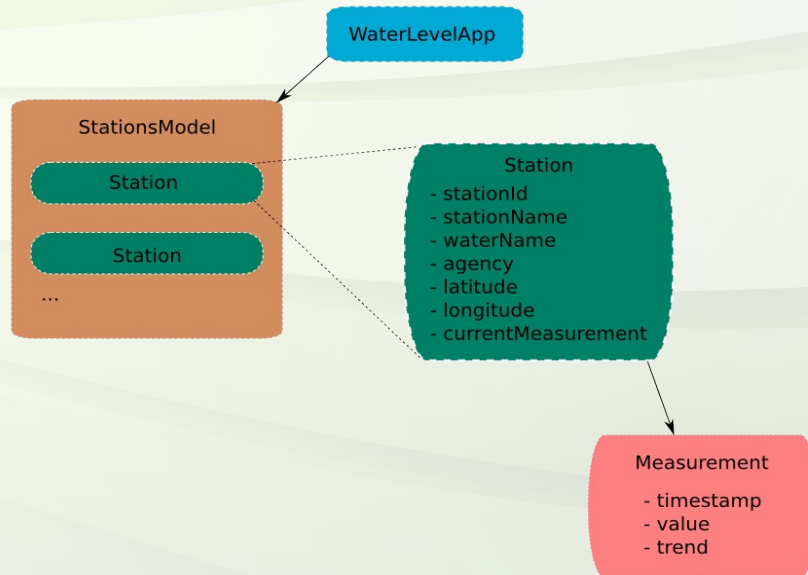
Declarative Widgets



Developer
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2013

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WaterLevel



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Step 1



Demo

Step 1



Final Result

Step 2



Demo

Step 2



Final Result

Q&A



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