

AKADEMY GRAZ 2026

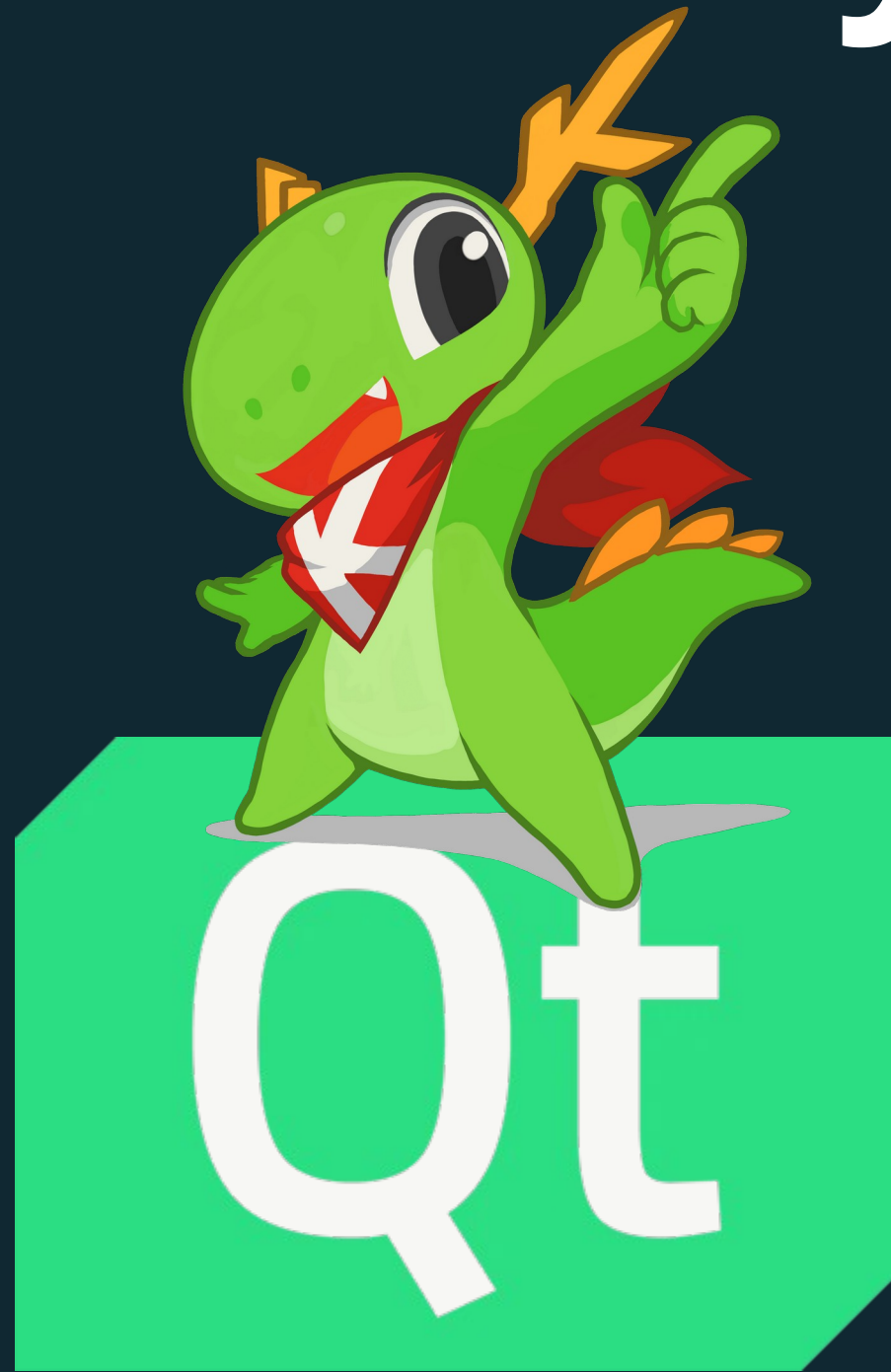
Fabian Kosmale

What's coming up in Qt
6.12

Why Qt at Akademy?

Foundation

Partner



Why Qt at Akademy?

For 30

Years!



About me

- Qt project maintainer (moc)
- Qt Company manager (QML)
- KDE contributor

AGENDA

Security & CRA
AI & Humans
New Platforms & Qt Bridges
New modules & Features
Outlook



Security & CRA

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Qt Project

- Benefits from security focus (fixes, SBOM, general robustness,...)
- Qt Company handles CVEs

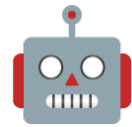
Qt Company

- Manufacturer for commercial Qt offerings
- CE certificate for Qt
- 6.12 first release to get one
- Acts as CNA for CVEs

AI



Documentation MCP



Rounded
corners,
plz?

Recta
ngle,
radius



Agent Skills

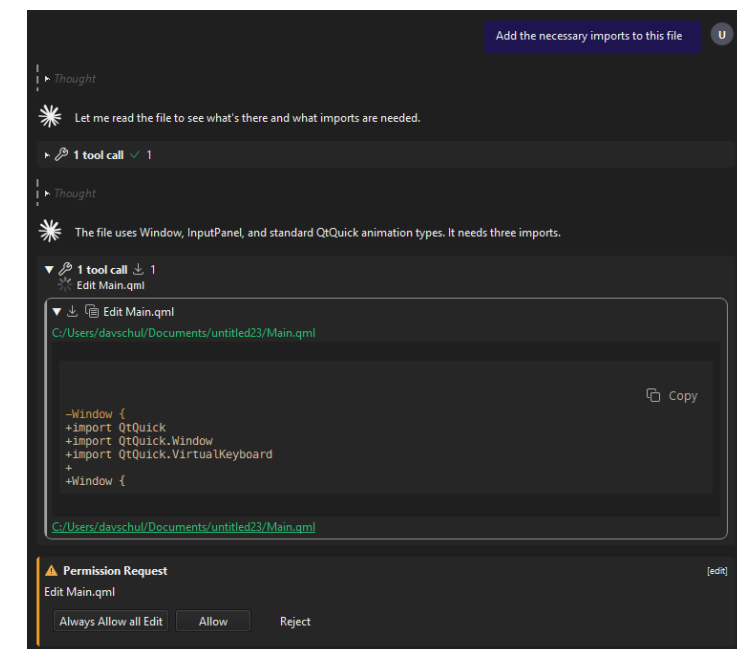
Develop

Design

Test

Review

ACP in Qt Creator



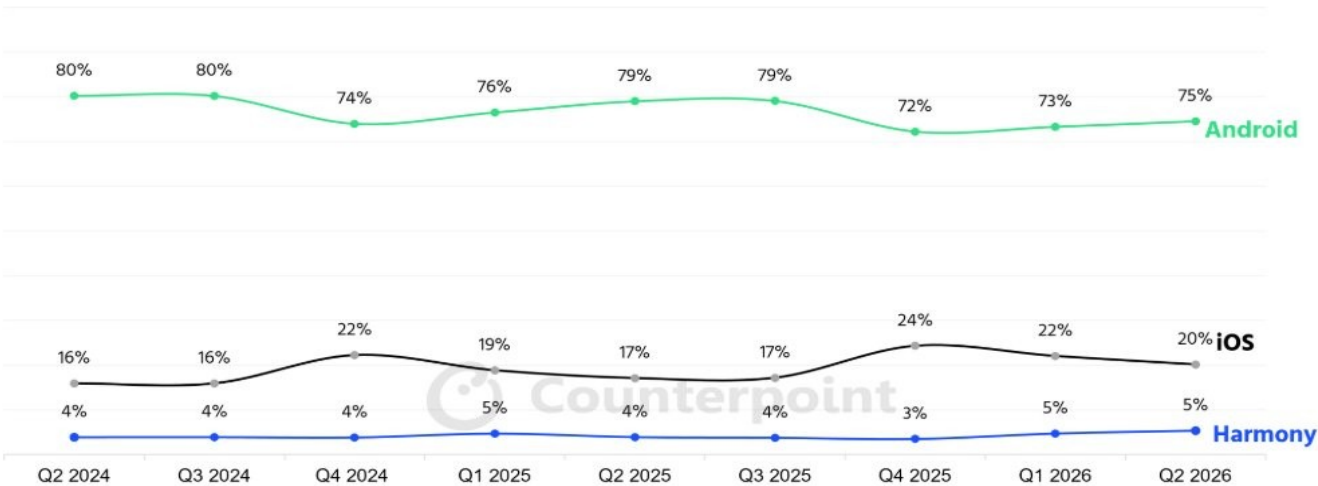
New Platforms + Qt Bridges



OpenHarmony -The open source OS you haven't heard of

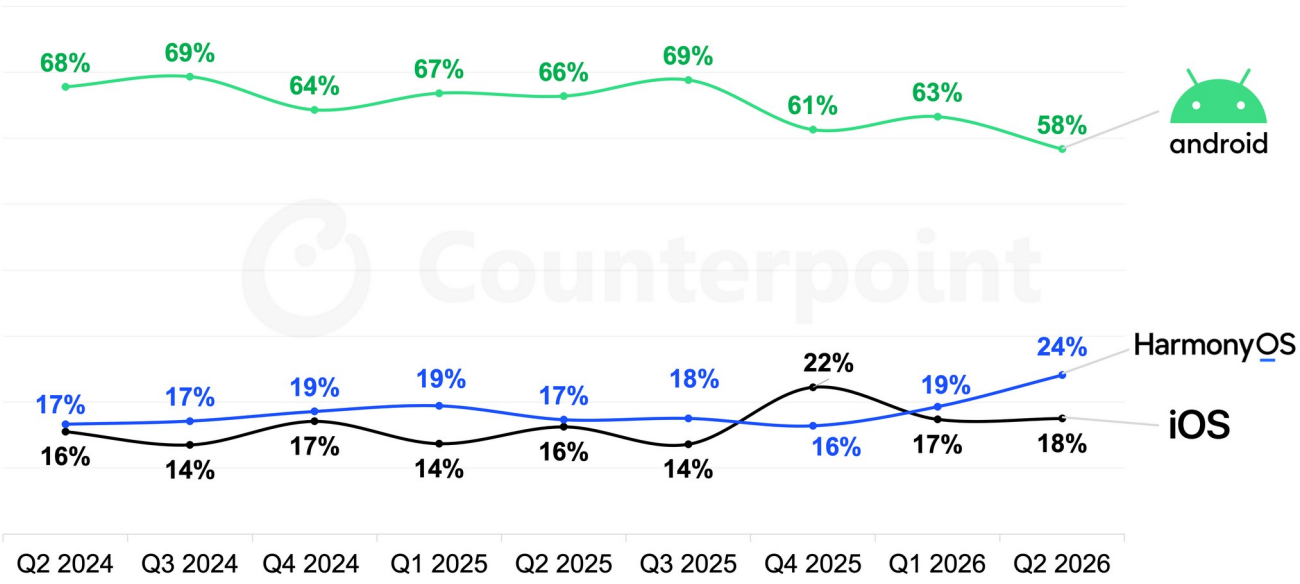
HarmonyOS

Global Smartphone Sales Share by Operating System



Source: Counterpoint Research

China Smartphone Sales Share by Operating System



Counterpoint

Harmony-Krita

Krita 向 HarmonyOS (OHOS arm64) 的移植源码仓库，为 AirDraw 应用提供 native 引擎层。上游项目：<https://invent.kde.org/graphics/krita>

仓库内容

本仓库收录 Krita 源码树及面向 HarmonyOS 的移植改动，构建与部署脚本随源码树收录。

许可证

Krita 源码采用 GNU General Public License (见 COPYING)，第三方组件许可证文本收录于 LICENSES/ 目录；各组件著作权归其上游项目所有，本仓库遵循相应许可证条款发布。

<https://gitcode.com/Andy88/Harmony-krita>



Source: Huawei



New: Windows ARM64 EC

- Not plain ARM64
- Allows running x86_64 plugins on ARM
- Useful for e.g. DAWs

New features for existing platforms



- Improved MultiMedia on WASM
- Better Wayland support (already in 6.11)

Qt Bridges



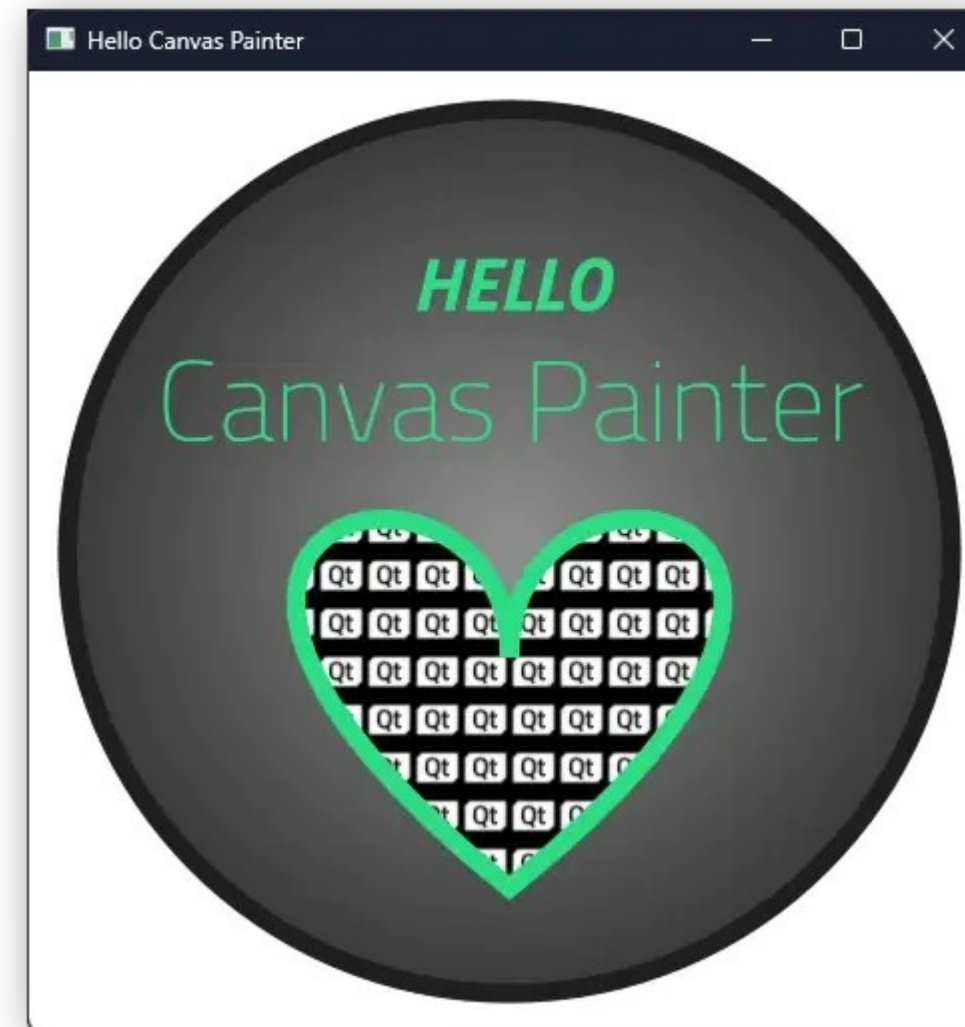
BoF Session - Tuesday morning, Room 1

New Modules and Features



Qt CanvasPainter

- hw-accelerated imperative painting
- Works with Widgets, QML/Quick and plain Windows
- **Not** a QPainter replacement
- HTML Canvas API inspired



Qt OpenAPI

- Generates client from OpenAPI spec
- Integrates with Qt's modern (6.7+) REST helpers
- Convenient way to interact with web APIs

```
qt_add_library(openApiResponseApi)
qt_add_openapi_client(openApiResponseApi
    SPEC_FILE

    ${CMAKE_CURRENT_SOURCE_DIR}/response_api.yaml
)
```

```
m_responseApi->createResponse(response, this,
    [&](
        const QRestReply &reply,
        const Response &summary) {
    if (!reply.isSuccess()) {
        qWarning() << "createResponse:"
            << reply.errorString() << reply.error();
    } else {
        // handle Response data received from
        //the AI model response
    }
});
```

StyleKit



Talk tomorrow

StyleKit - A common QML
API for styling Controls
and Widgets

14:15

Qt TaskTree (from 6.11 on)

- Describes + runs async workflows
- Heterogenous tasks
 - Networking
 - Threads
 - Processes
- Battle tested in QtCreator



<https://www.qt.io/blog/qt-task-tree-coming-soon-in-qt-6.11>

News in QML land

- qmlint/qmls:
 - better go-to-definition (C++)
 - Support for “bad” QML
 - More checks
- qmlformat: more options



QUESTIONS



Thank You

Additional links or
information

