Qt4 Library Porting Project
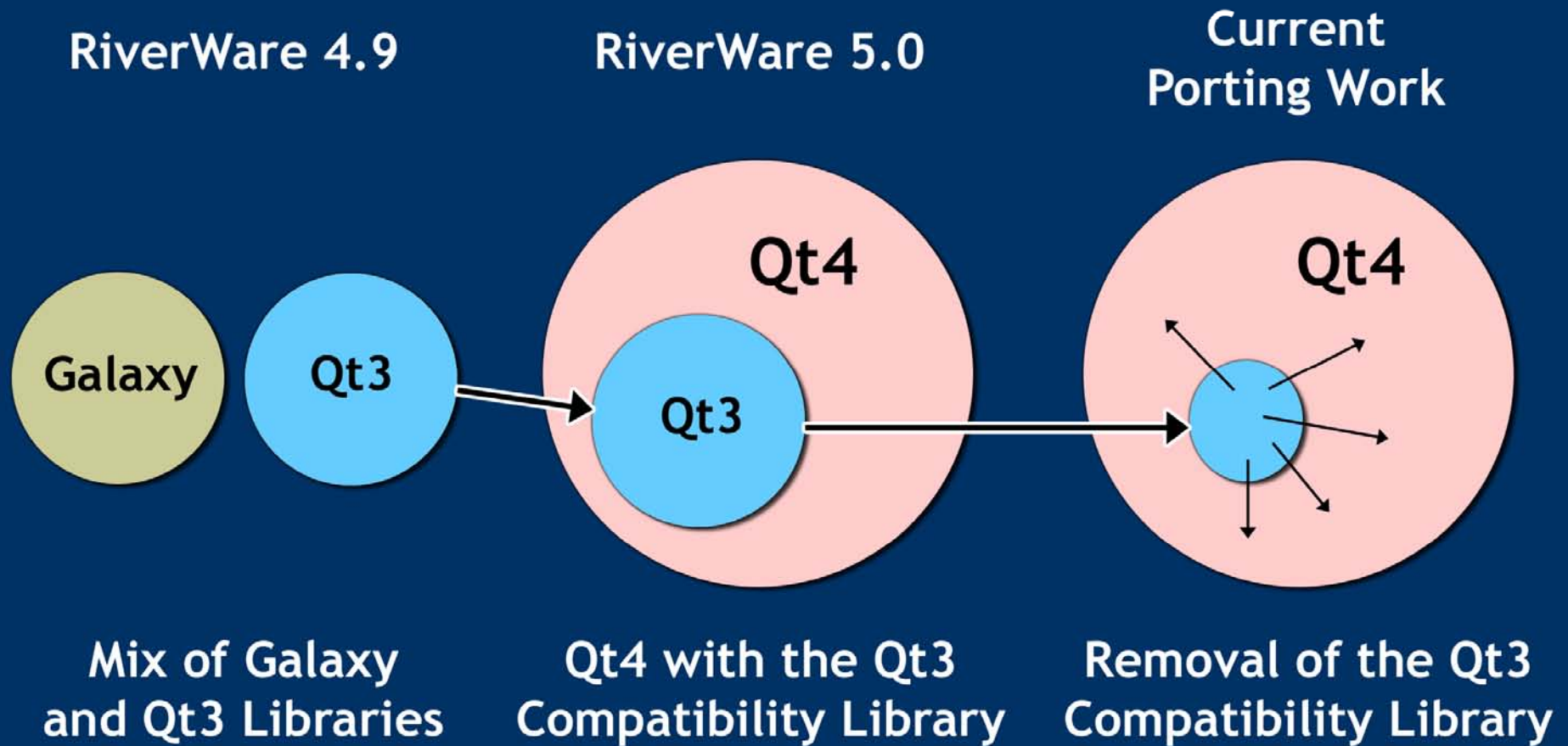
RiverWare User Group Meeting
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Phil Weinstein

Qt

➢ A cross-platform application and user interface framework

➢ Isolates RiverWare from most platform-specific issues

➢ Rich, modern, internationally supported, open source framework

➢ Originally developed by Trolltech (Norway). Acquired by Nokia in 2008.

Our Qt Porting Road Map

RiverWare 4.9

RiverWare 5.0

Current Porting Work

Galaxy   Qt3

Qt4
Qt3

Qt4

Mix of Galaxy and Qt3 Libraries

Qt4 with the Qt3 Compatibility Library

Removal of the Qt3 Compatibility Library

Qt version 4

➤ The version 4 release of Qt was an unusually large change, but has a much better design.

➤ Especially important to RiverWare are Qt4's:

- "Graphics View" canvas architecture

- "Item View" architecture

- Future: Interface technologies: e.g. Networking, Database, XML, Web … *and possibly:* multiple language support.

Qt4's Qt3 Compatibility Library

➢ Allows a mix of Qt3 and Qt4 widgets in a single application, and even within single dialogs.

➢ Provided us with a quick path to Qt4
    … All new development is done in Qt4.

➢ Porting of Qt3 widgets to Qt4 can be done gradually.

➢ But as Qt continues to be developed, the Qt3 Compatibility Library will eventually be dropped from Qt.

Qt4 Port – Where are we?

	Qt3	Qt4	Mix
Dialogs	91	25	68
Lists and Tables	69	24	

Large Components to be ported to Qt4:
- ➢ Accounting View
- ➢ RPL Expression Frame
- ➢ Series Display Tables (Slot dlgs, SCT)