

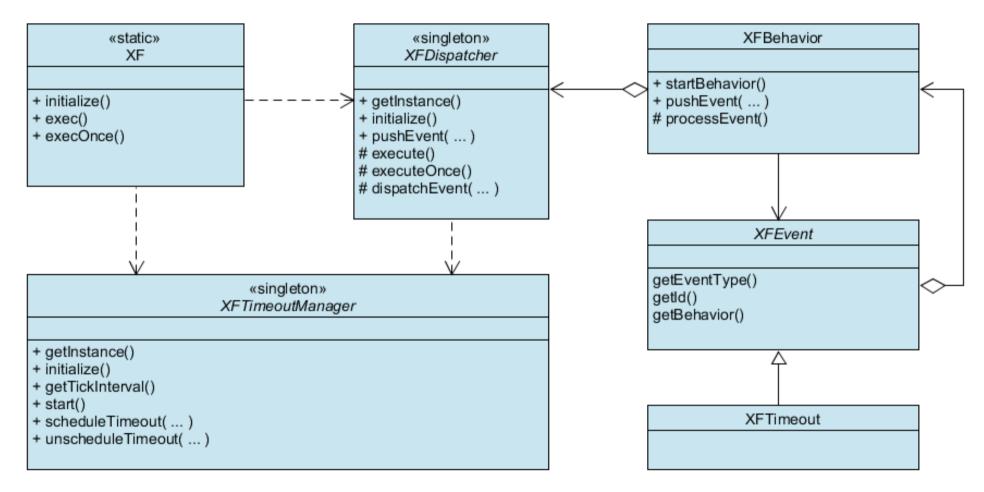


XF – Laboratory Introduction

Medard Rieder
Thomas Sterren



XF – Class Diagram – Simplified

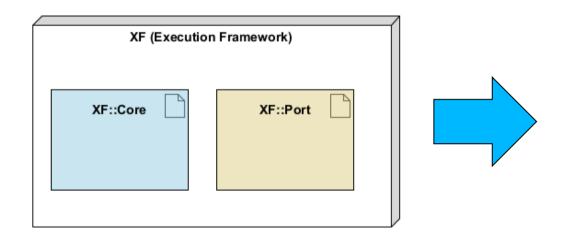


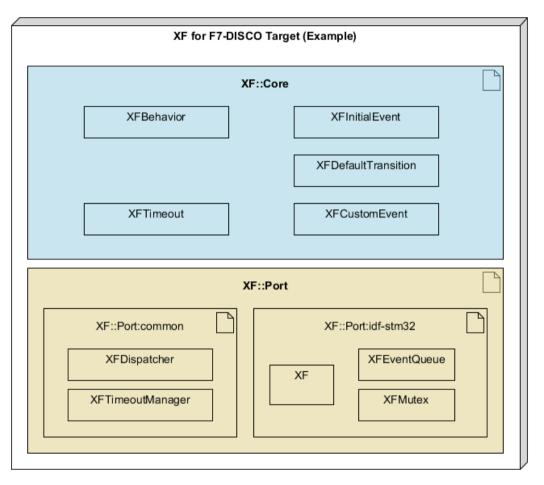




XF – Core and Port

To build an XF the Core component and a Port component is needed





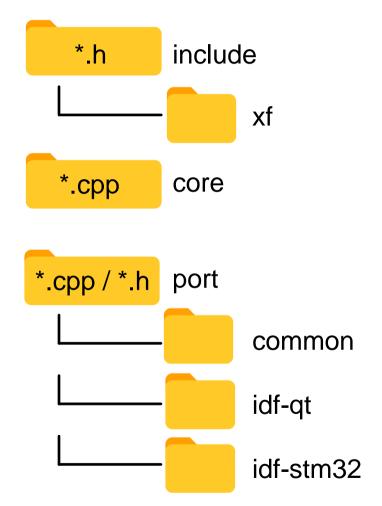
Example: IDF on an F7-DISCO board







XF – Folder Structure

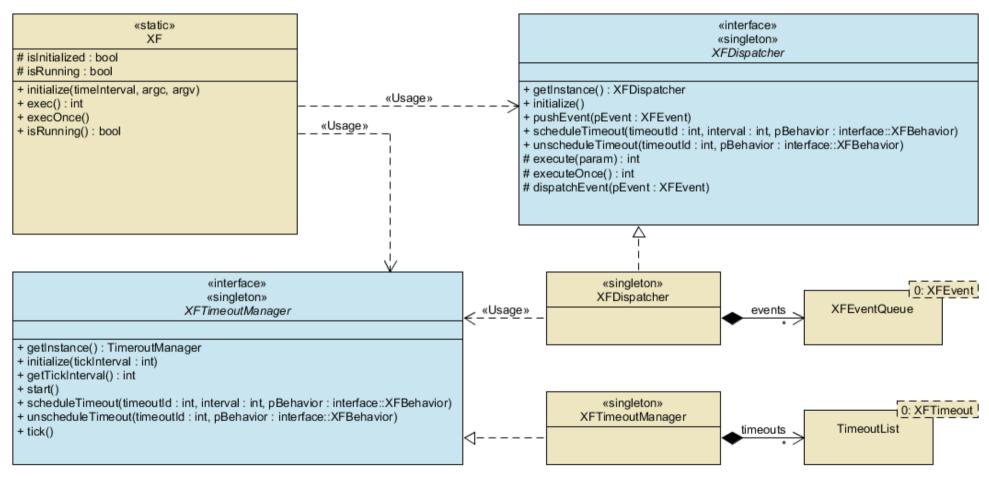






XF – Class Diagram – Detail 01

- Core classes
- Port classes

















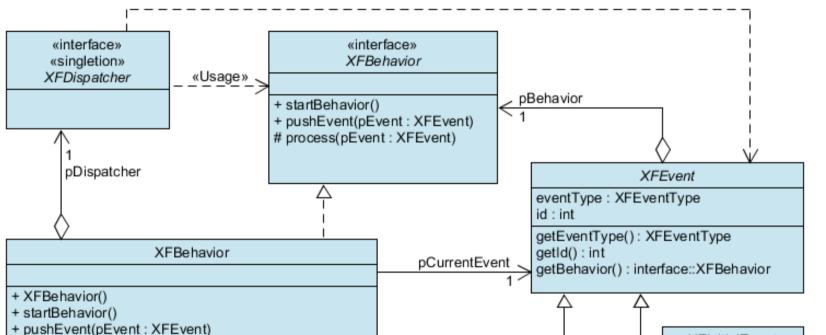


XFInitialEvent

XFDefaultTransition

XFCustomEvent

XF – Class Diagram – Detail 02



XFTimeout

interval : int relTicks : int

- Core classes
- Port classes



processEvent() : XFEventStatus # getCurrentEvent() : XFEvent

getDispatcher(): interface::XFDispatcher

- process(pEvent : XFEvent) : XFEventStatus

setCurrentEvent(pEvent : XFEvent)



XF – Where to Start

The XF is a framework
The XF does not have main() function

Start with the following Qt Creator project test-bench/test1/ide-qtcreator-test1-idf/test1-idf.pro

Study the XF and test-bench documentation

Implement the default port classes

Try to build and run test01

