

# CommonAPI-cpp

## Abstract

### What is the purpose of CommonAPI C++

CommonAPI C++ is a C++ abstraction API to enable service oriented communication in distributed systems.

CommonAPI C++ depends on Franca-IDL to describe static interfaces as well as communication / protocol configuration parameters and a full component instance dependency model.

The intention is encapsulate the communication protocols and adjacent middleware.

## Releases

Version	Eclipse	Java Requirements	Franca	C++ Compiler	Other Dependencies	Comments
<b>newer</b> - see GitHub repo	same?	same?	same?	same?	same? except for vsomeip = ?	<i>Maintainers, please update info.</i>
3.1.6	Luna	JDK >= 1.7	0.9.1	gcc >= 4.8.2	D-Bus >= 1.6.x CMake >= 2.8.x vsomeip 2.0.5	
3.1.5	Luna	JDK >= 1.7	0.9.1	gcc >= 4.8.2	D-Bus >= 1.6.x CMake >= 2.8.x vsomeip 2.0.1	
3.1.4	Luna	JDK >= 1.7	0.9.1	gcc >= 4.8.2	D-Bus >= 1.6.x CMake >= 2.8.x vsomeip 2.0.0	
3.1.3	Luna	JDK >= 1.7	0.9.1	gcc >= 4.8	D-Bus >= 1.6.x CMake >= 2.8.x vsomeip 1.3.0	
3.1.1		JDK >= 1.7		gcc >= 4.7		
3.0.1		JDK >= 1.7		gcc >= 4.7		
2.1.6		JDK >= 1.6		gcc >= 4.6.1		

## Installation and Source Code

### Application Binary Downloads

#### Tools (Code Generators)

- [Eclipse P2 Update Site](#) (for a ready-to-run Eclipse environment see also [install-automation](#), or the ready to run [GDP SDE image](#))
- Linux and Windows Code Generator binaries are available in **.zip-files** from the Releases tab on GitHub: [Core](#), [D-Bus](#), [SOME/IP](#)

### Source Code Repositories

#### Tools (Code Generators) for C++ API (git)

- [Core Tools](#)
- [D-Bus Tools](#)
- [SOME/IP Tools](#)

## Runtime Libraries for C++ API (git)

- [Core Runtime \(GitHub\)](#)
- [D-Bus Runtime \(GitHub\)](#)
- [SOME/IP Runtime \(GitHub\)](#)
- Related: [vSomeIP SOME/IP Stack](#)
- [Runtime source code as tar archives.](#)

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