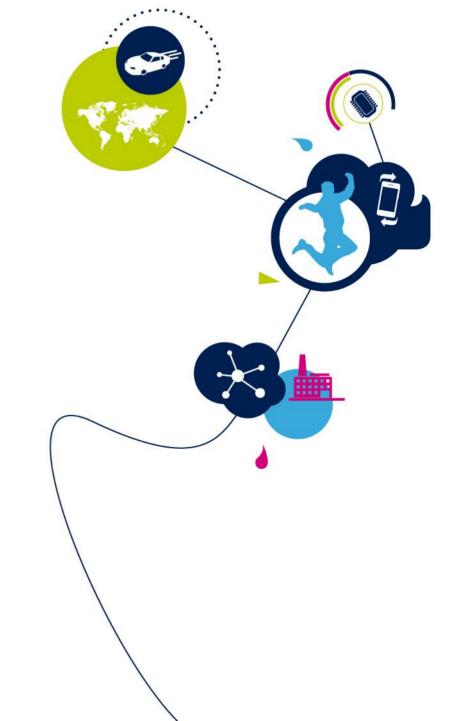
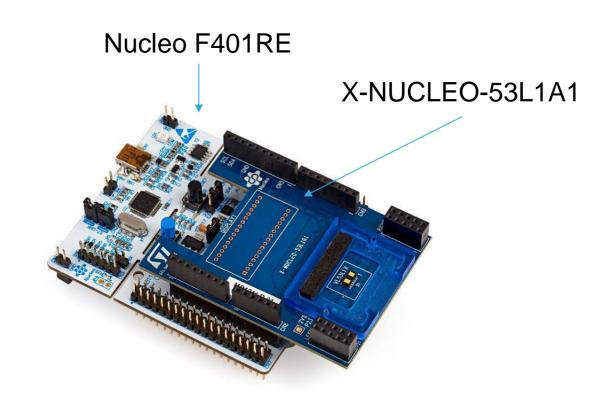
API Example Setup Guide





Hardware and software requirements 2

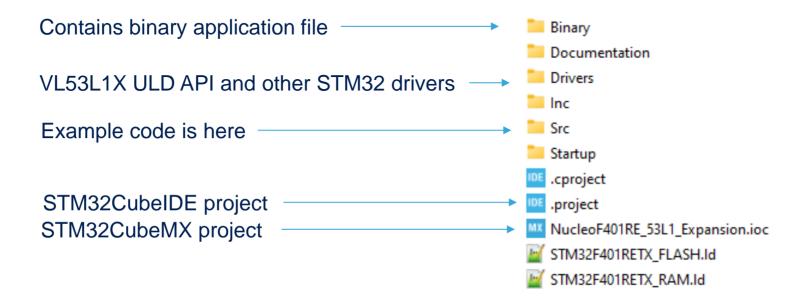
- Hardware requirements:
 - Nucleo F401RE
 - X-NUCLEO-53L1A1
 - Windows PC
- SW requirements
 - STSW-IMG009





Example folder content 3

- Search for STSW-IMG009 on st.com, download and unzip the file in your hard drive C:\ recommended.
- Go to the "Example" folder
- The example project has been pre-compiled for STM32CubeIDE as shown below





Run the example 4

- Plug the expansion board on the F401RE Nucleo board
- Connect the F401RE Nucleo board to a PC USB port
- Flash the demo application by drag and drop the binary file located in the Binary directory, the demo will start immediately once the FW is loaded
- Open a Tera-Term to monitor the ranging data

```
COM63 - Tera Term VT
Edit Setup Control Window Help
```



Range status, distance in mm, return signal rate, ambient rate, number of actual active SPAD

compiling and running the example code

The example code is prepared for the STM32CubeIDE



