

Developing cellular IoT products using nRF Connect SDK

Nordic Tech Webinar

Bjørn Kvaale / Product Marketing Engineer

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Today's host

Bjørn Kvaale

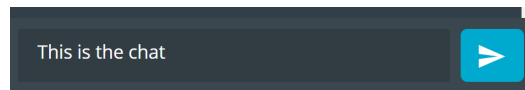
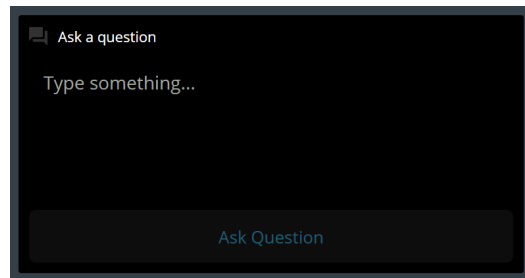


Product Marketing Engineer



Practicalities

- Duration: about 60 minutes
- Questions are encouraged!
 - Please type questions in the top of the right sidebar
 - All questions are anonymous
 - Try to keep them relevant to the topic
 - We will answer towards the end
- The chat is not anonymous, and do not use for questions
- Go to DevZone if you have more questions
- A recording of the webinar will be available together with the presentation at webinars.nordicsemi.com



Agenda

- Updating modem FW
- Installation guidelines for nRF Connect SDK
- Show how to flash with both VS Code and via CLI
- Cloud client sample, send sensor state to cloud on button push
- Adding a sensor, ens210 humidity/temperature sensor via I2C
- Getting sample to work on a custom board

Helpful documents & tips

- Requirements: [nRF9160 DK v1.0.0](#) or newer (older kits may require new cloud certificates), supported sensor, SIM card, Windows/macOS/Linux, jumper cables, micro-USB cable
- Goal: general enough to use with newer versions of nRF Connect SDK and other sensors
- [nRF Connect SDK v1.9 webinar](#)
- [nRF Connect for VS Code Tutorials](#)

Helpful documents & tips

- AMS ENS210 Humidity/Temp sensor (AMS Renesas Sensor Board v1.0)
 - Using [Sensors API](#)
 - If possible, use a supported sensor under [Sensor Samples](#)
 - Alternative: [Digikey](#)
- [ENS210 datasheet](#)

Updating nRF9160 DK

Modem Firmware

Installation guidelines

nRF Connect SDK

Flash nRF9160 DK

Using nRF Connect for VS Code

Testing Cloud Client sample

Adding a sensor to sample

Porting sample to custom board

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Q&A

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