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## How to develop IoT Solutions with ST Starter Kit and Microsoft Azure Cloud.

INNOVATION WORLD CUP SERIES  
DEVELOPER WORKSHOP

# GERMANY

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## REQUIREMENTS FOR THE PARTICIPANTS

ST will provide the P-NUCLEO-AZURE1 starter kit

Participants are required to bring their own laptop and power supply (USB 2.0/3.0 port needed to connect the kit via mini USB cable).

In order to run the end-to-end device to cloud application examples, the following further requirements are needed:

- For P-NUCLEO-AZURE1 control and configuration, install a serial terminal:
  - Windows: **Teraterm** (<https://tssh2.osdn.jp/index.html.en>)
  - OS X: built in screen utility (<https://geekinc.ca/using-screen-as-a-serial-terminal-on-mac-os-x/>)
  - Ubuntu: **Minicom** (<https://help.ubuntu.com/community/Minicom>)
- For creation and usage of Azure IoT Hub and other Azure services:
  - Create a **free trial account** on Azure (<https://azure.microsoft.com/en-us/free/>)
- For visualization of messages received by Azure IoT Hub
  - Install **iothub-explorer tool** (<https://github.com/Azure/iothub-explorer>). Requires Node.js version 4.x or higher (<https://nodejs.org/en/download/>)

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