IoT Product Development 1-Day Workshop
INSTALLATION REQUIREMENTS

1) Register an Account at the Tool Vendor Websites:

- **Zentri**: Sign-Up for a Zentri DMS Account *(Required!)*
  https://dms.zentri.com/signup/

- **IBM Bluemix**: Sign-up for your own IBM Bluemix account *(Recommended)*
  https://console.ng.bluemix.net/registration/

- **Avnet**: Sign-Up to CloudConnectKits to access downloads and support forums *(Recommended)*
  http://cloudconnectkits.org/user/register/

- **Cypress**: Sign-up to WICED Wi-Fi community forum *(Optional / Recommended)*
  https://community.cypress.com/community/wiced-wifi

2) Download and Install ZentriOS SDK Develevment Tools:

- **ZentriOS SDK**: Download and install the Zentri Development Tool *(Required!)*
  http://resources.zentri.com/zentrios_sdk/ZentriOS_SDK_Installer.exe

3) Download and Install JRE (Java Runtime Environment)

- JRE must be present on your computer to run Zentri's Eclipse IDE
  Download and Installation of a recent version JRE 8 is recommended *(Required!)*
  - 32bit Windows: use 32bit JRE (x86)
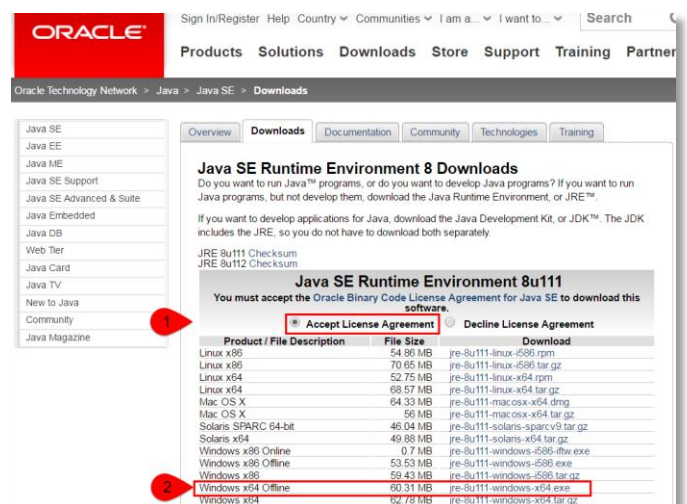 - 64bit Windows: use 64bit JRE (x64)

  Oracle JRE Download site:
  http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html

- JRE path <u>must</u> be present in your Windows path! eg.
  C:\ProgramData\Oracle\Java\javapath

- <u>Tip</u>: To check the JRE executables can be found,
  Open a cmd window then enter:
  where java*

  (This lists the executables referenced by java path)

Manual Installation of USB Drivers *(Not normally required!)*

In some rare cases the Windows USB drivers require further attention after the ZentriOS SDK installation.
(This will be apparent when after plugging-in the board, it is not recognized by the SDK software)

If this is the case with your installation, re-install these USB drivers manually as follows:

With the board unplugged from the USB, using **Windows File Explorer** go to:
…\ZentriOS_SDK\tools\drivers\ATG002

Double-click **dpinst64.exe** to run the Device Driver Install Wizard
(Use **dpinst32.exe** instead if your computer has an older 32 bit Windows installation)

Once the driver installation has completed, again plug-in the BCM4343W IoT Starter Kit board

Use **Windows Device Manager** to check the USB **COM port** and USB **JTAG port** are now reported correctly…