In collaboration with Microsoft, Adafruit is releasing IoT Starter Kits with boards, sensors, and components that are 'Azure Certified for IoT.'

Azure is Microsoft's cloud solution for IoT projects that's a comprehensive and flexible program from the Microsoft team that they're extending into the open source hardware world. This starter kit includes a pre-soldered Adafruit Feather HUZZAH with ESP8266 WiFi and some sensors and components to get you started on your IoT journey.

This starter kit contains the Adafruit Feather HUZZAH ESP8266 WiFi development board with built in USB and battery charging.

At the Feather HUZZAH's heart is an ESP8266 WiFi microcontroller clocked at 80 MHz and at 3.3V logic. This microcontroller contains a Tensilica chip core as well as a full WiFi stack. You can program the

microcontroller using the Arduino IDE for an easy-to-run Internet of Things core. It also has auto-reset so no noodling with pins and reset button pressings.

And for more information on how to run Azure, check out the Microsoft Azure site!

Please note: Azure is a paid IoT service, you will be charged for usage. For non-production usage, keep track of the billing & make sure that you shut off any running services if you're not using them.

This kit includes:

- 1x Assembled Adafruit Feather HUZZAH ESP8266 WiFi
- 1x Micro Servo
- 1x PIR (motion) Sensor
- 1x USB Cable – A/Micro B
- 1x Fast Vibration Switch
- 1x Magnetic Contact Switch (door sensor)
- 1x Half-sized Breadboard
- 1x Premium Male/Male Jumper Wires – 40 x 6"
- 1x DHT22 Temperature-humidity Sensor + Extras

Component bag containing:

- 3x 12mm Tactile Switches
- 1x Breadboard Trim Potentiometer 10K
- 1x Diffused 10mm Green LED
- 1x Diffused 10mm Red LED
- 5x 10K 5% 1/4W Resistor
- 5x 560 Ohm 5% 1/4W Resistor
- 1x Piezo Buzzer
- 1x Photo Cell Light Sensor
- 1x Diffused RGB (tri-colour) LED
- 1x Breadboard-friendly SPDT Slide Switch