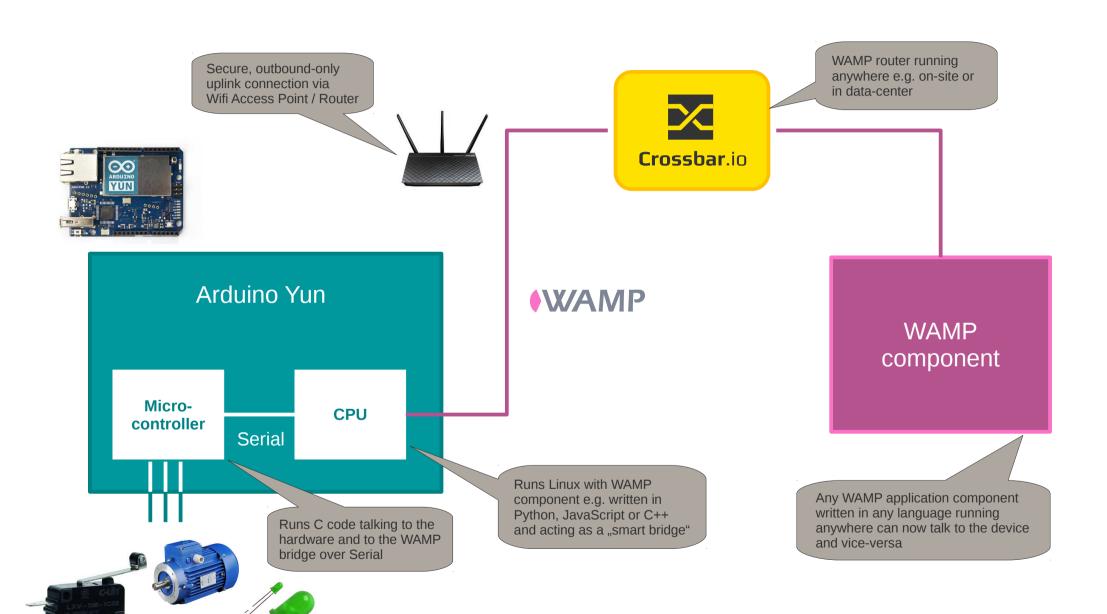
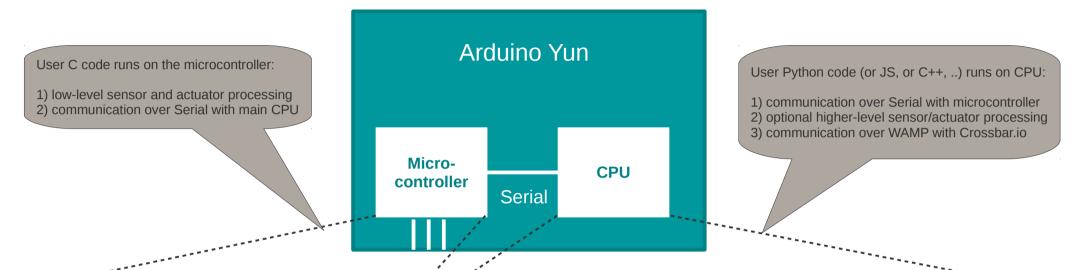
## Integrating the Arduino Yun in Crossbar.io based IoT applications



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```
void setup() +
       pinMode(A0, INPUT);
       pinMode(A1, INPUT);
       Serial.begin(115200);
    void loop() {
       int sensor \overline{0} = analogRead(A0);
       int sensor1 = analogRead(A1);
11
      Serial.print(sensor0);
12
13
       Serial.print(",");
14
       Serial.print(sensor1);
15
       Serial.println();
17
       delay(10);
```

```
class MyArduinoBridge(LineReceiver):

def __init__(self, session):
    # remember reference to WAMP session
    self._session = session

def lineReceived(self, line):
    try:
    # parse data received from microcontroller over Serial
    data = [int(x) for x in line.split(',')]
    except ValueError:
    print('Unable to parse value {0}'.format(line))
    else:
    self._session.publish(u"com.myapp.sensors.on_change", data)

self._session.publish(u"com.myapp.sensors.on_change", data)
```