

Choosing the right model for maintaining and enhancing your IoT project

By *Rianne Schestowitz*

Created 24/05/2019 - 7:40am

Submitted by Rianne Schestowitz on Friday 24th of May 2019 07:40:49 AM Filed under [Linux](#) [1]

In today's connected embedded device market, driven by the Internet of things (IoT), a large share of devices in development are based on Linux of one form or another. The prevalence of low-cost boards with ready-made Linux distributions is a key driver in this. Acquiring hardware, building your custom code, connecting the devices to other hardware peripherals and the internet as well as device management using commercial cloud providers has never been easier. A developer or development team can quickly prototype a new application and get the devices in the hands of potential users. This is a good thing and results in many interesting new applications, as well as many questionable ones.

When planning a system design for beyond the prototyping phase, things get a little more complex. In this post, we want to consider mechanisms for developing and maintaining your base operating system (OS) image. There are many tools to help with this but we won't be discussing individual tools; of interest here is the underlying model for maintaining and enhancing this image and how it will make your life better or worse.

[2]

[Linux](#)

Source URL: <http://www.tuxmachines.org/node/124196>

Links:

[1] <http://www.tuxmachines.org/taxonomy/term/63>

[2] <https://opensource.com/article/19/5/model-choose-embedded-iot-development>