TIZEN



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Tizen **Evolution**

2017



Tizen 4.0

IoT Customized Platform

2018



2012



Tizen 1.0

Tizen Platform Released 2013



Tizen 2.2

Mobile Profile Released 2014



Tizen 2.3

Wearable Profile Released

2015

Tizen 5.0

Intelligent Service

Platform



Tizen 2.4

TV Profile Released 2016

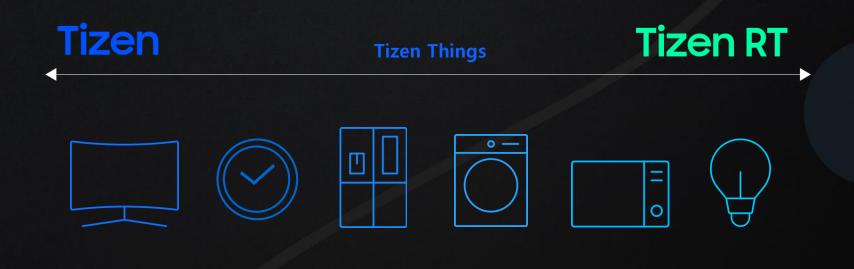


Tizen 3.0

Expanding into IoT

Tizen: Open Source Platform

Hosted by Linux Foundation Easy to develop new features or customize for own device Flexible structure of covering Low-end to High-end device



Software Developer's Requirement

for Smart (IoT) Devices

Platform/0S

- 1) Platform verified to commercialization level
- ② Quickly develop Owned Platform / SDK / optimized and customized for my device
- 3 Fast performance on Low-End device

App

- Develop IoT App easily and quickly
- (5) Easily connect to other devices and the cloud

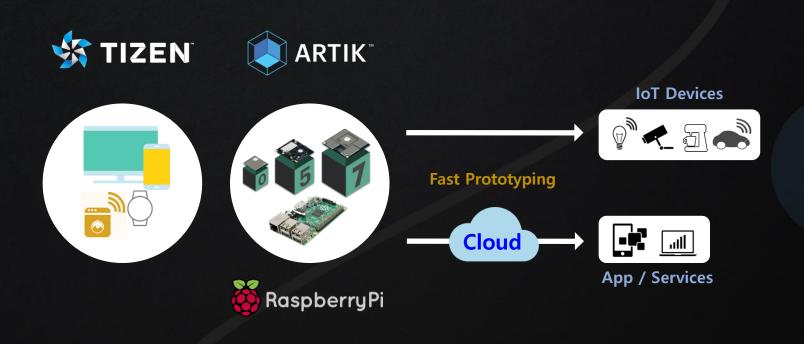
Fast Entry to Market

Proven and production quality platform 100 million Tizen devices in the market



End-to-End IoT Solution

Quick Start, Easy & Short Product Development, High Scalability



Evolving Rapidly Meeting Challenges!

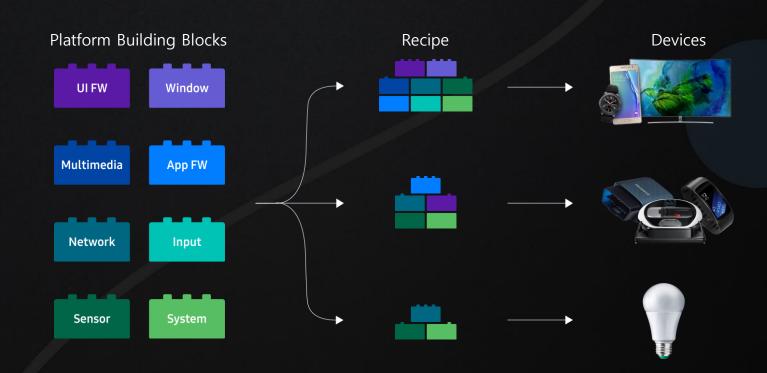


New Device Types Need New Platforms

Configurable Platform with Building Blocks

Configure and create new platforms easily

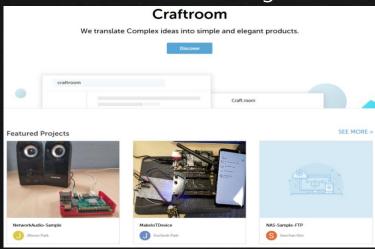
A unified build system to cover all device types

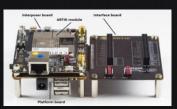




Develop the Customized Platform for my IoT Device

craftroom.tizen.org/

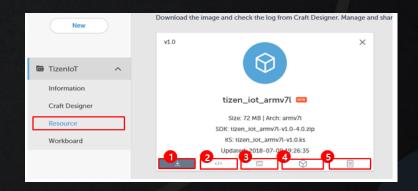




ARTIK 530



Raspberry Pl 3



- 1 Download the Customized Platform image
- 2 Download the Extension SDK for this Platform
- 3 Download the KS file (Kick-Start)
- 4 View the Package list in this Platform/SDK
- (5) View the log of build image

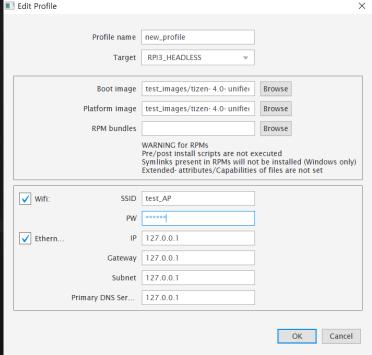
https://developer.tizen.org/development/iot-preview/customized-platform-guide https://craftroom.tizen.org/how-to-create-your-own-customized-platform-image



Flash the Customized Platform to my IoT Device

Install and run Tizen-Studio, Use the Flashing tool (IoT Setup Manager)







Tizen platform extension for low-end IoT devices

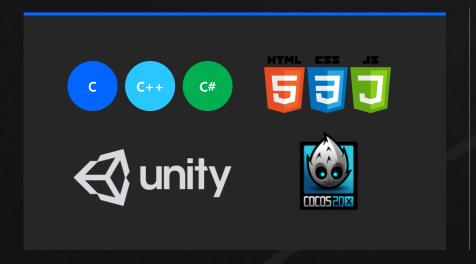


Less than 2MB RAM



Rapid Development

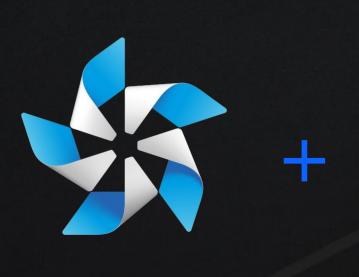
Support for multiple programming languages, run-times Eclipse based IDE with wide array of tools for development







Introduce Tizen .NET







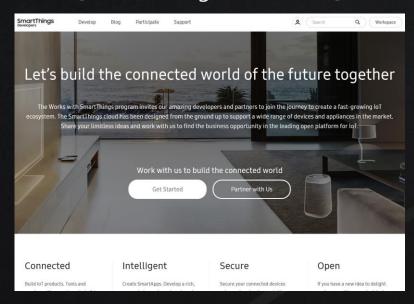




Connect to Cloud and other IoT Devices

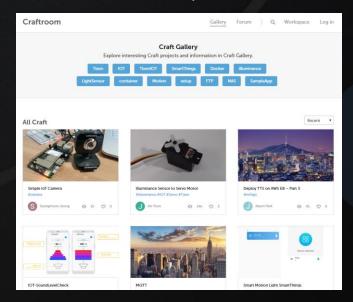
With Tizen .NET you can easily participate and benefit greatly

[Smart Things Cloud Site]



smartthings.developer.samsung.com

[Education/Sample contents]



craftroom.tizen.org/gallery



Smart Things App on Smart phone

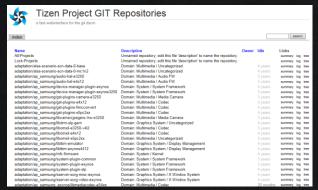




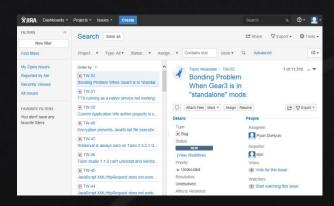


https://craftroom.tizen.org/iot-soundlevelcheck https://craftroom.tizen.org/illuminance_to_servo https://craftroom.tizen.org/iotdev-windowblind https://craftroom.tizen.org/iotdev-light https://craftroom.tizen.org/iotdevice-co2meter

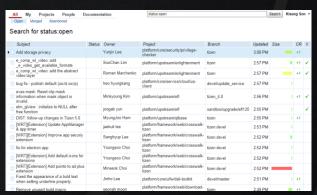
Tizen Platform Open Source Sites



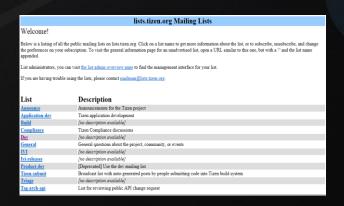
Git: git.tizen.org/



Issue Tracking: bugs.tizen.org/

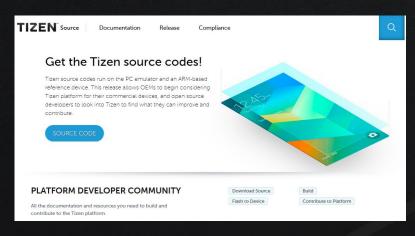


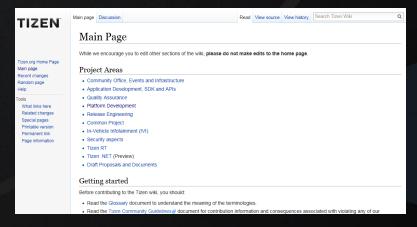
Review: review.tizen.org/



Mailing list: lists.tizen.org/

Tizen Platform Development Sites

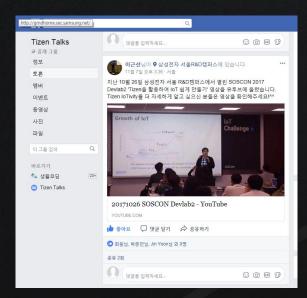




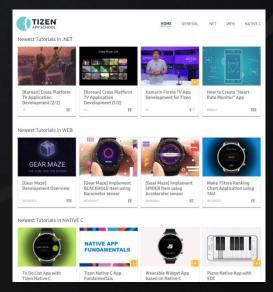
source.tizen.org/

wiki.tizen.org/

Tizen Facebook & Education (online)



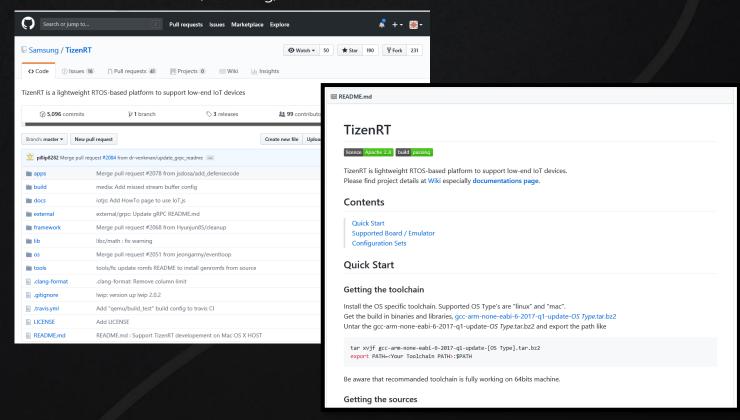
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tizenappschool.org/

TizenRT Open Source Site

Github.com/Samsung/tizenrt



Thank you