

Fedora & Lenovo

Nest 2020

Mark Pearson

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Lenovo

thanks.

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Lenovo

Introduction and Overview

- Intro

- Mark Pearson
- John Trapasso

- Topics

- Web Sales update
- Fedora portal
- Releasing a Linux platform
- How Lenovo is supporting Linux
- ThinkLMI
- Kernel patches
- Questions/Feedback



Web Sales update: Where are those platforms?

- X1 Carbon 8 has cleared all but the last paperwork hurdle and is just waiting on the web sales team to enable it.

Date is *before August 31st*

- P1G2 and P53 images are ready and final sales enablement steps are in progress.

Target date is *Coming soon*

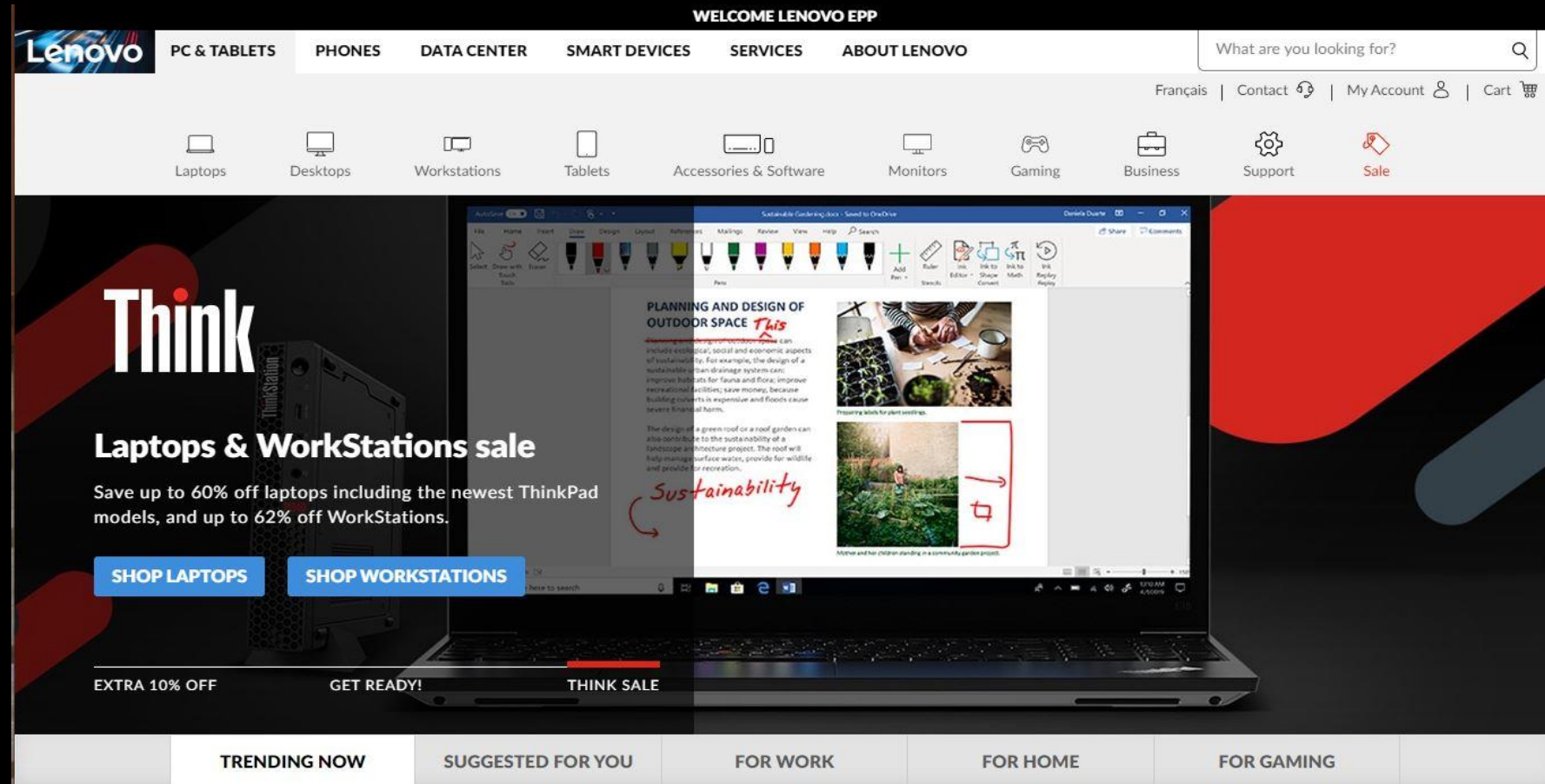
- P1G3 and P15 (successors to P1G2 and P53) have been approved to be released for Fedora. Work has started on testing those.



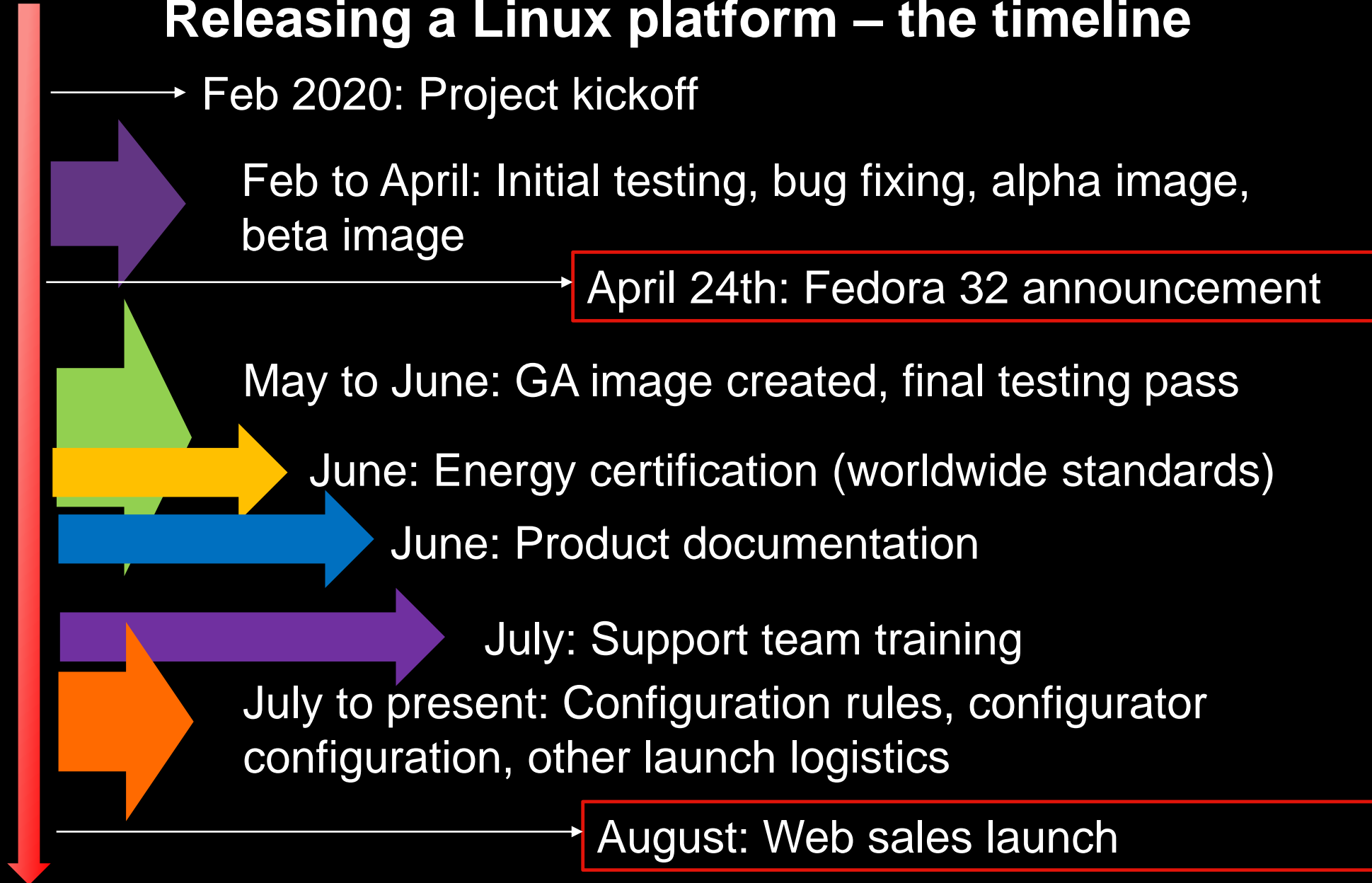
Fedora portal

Register and login with your [fedoraproject.org](https://getfedora.org) address and get discounts on Lenovo products.

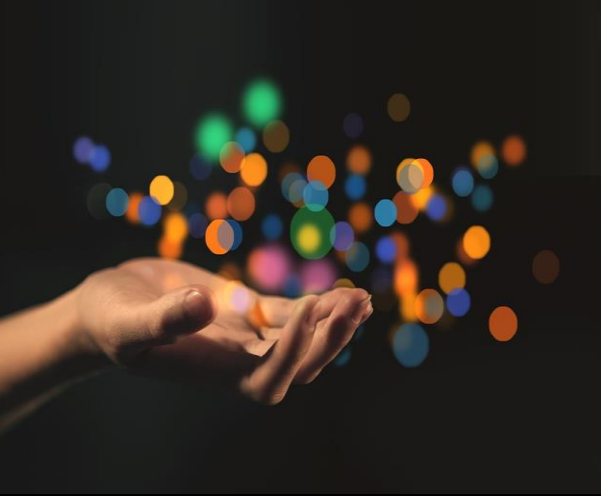
URL to be announced soon



Releasing a Linux platform – the timeline



Linux Expansion Strategy



Sales Support

- Linux offering and support education
- CTO
- Pre-sales & RFP support



Customer Engagement

- Customized offerings
- Post-sales support
- Dedicated Lenovo Linux forums
- Partner participation in Lenovo Linux forums

Offering More

- Product offerings – full config for workstation portfolio
- Thunderbolt 3 Workstation Dock
- Linux distributions
- Component drivers
- LVFS support
- ThinkLMI for Linux



Community Participation

- Kernel contribution
- Vendor partnerships
- Conference sponsorship
- Non-Lenovo forum monitoring



What do we do? Support



Testing pre-defined systems, configurations and devices against the latest OS release



Work with IHVs to obtain / update Linux drivers for mainstream Linux distributions



Work with partners to include updates in future OS releases



Work with firmware owners to support firmware update feature on mainstream Linux distributions (LVFS)



Collaborate with device driver owners regarding architecture to support Lenovo-unique devices and features



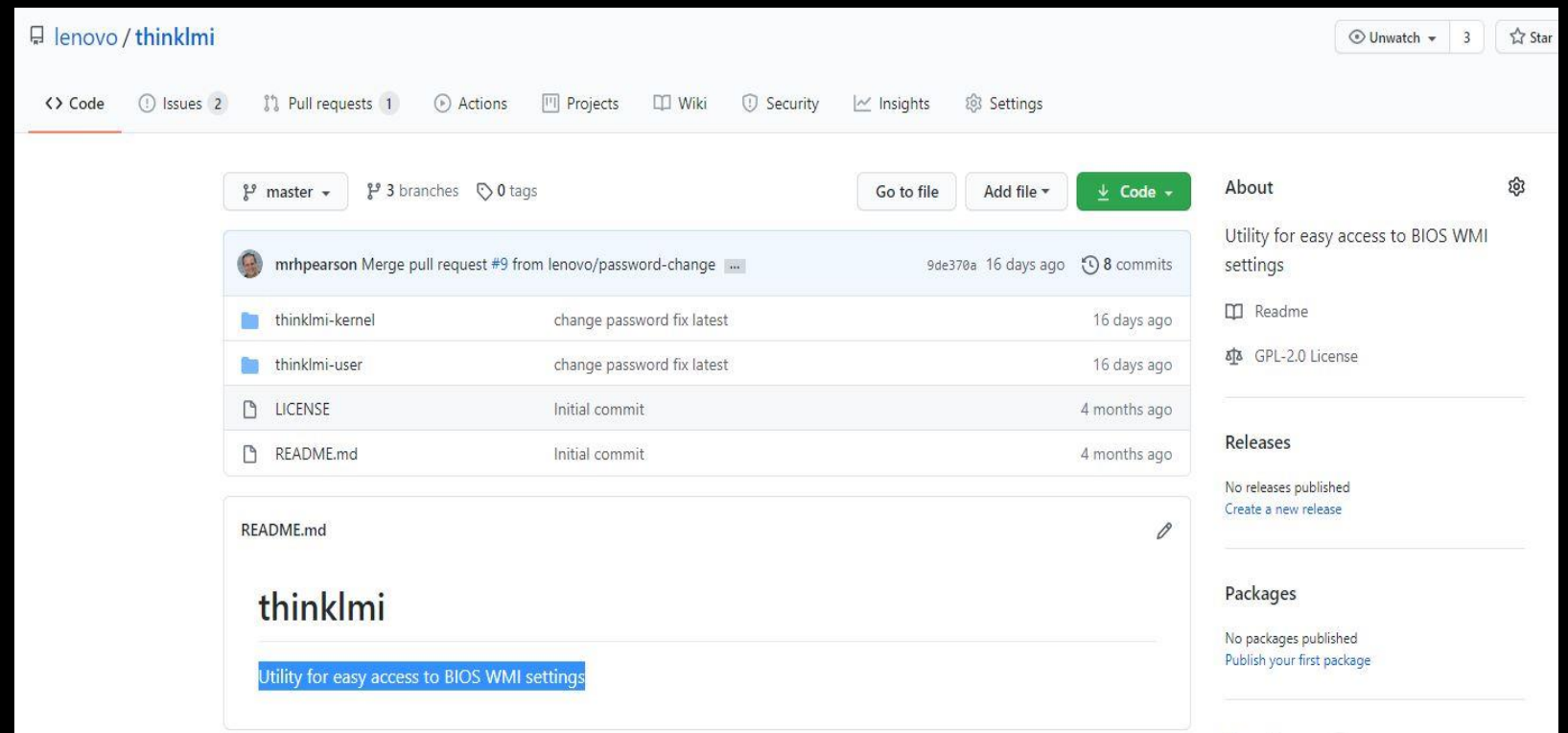
- Provide support for customer field issues
- Monitor and respond to Linux forum posts

What else are Lenovo doing?

- Lenovo Linux forum: <https://forums.lenovo.com/linux>
- Open source community
 - Kernel
 - Audio
 - Gnome
 - Systemd
 - thermal_daemon
 - Graphics
 - Fedora devel@lists.fedoraproject.org
- LVFS support: fwupd/firmware-lenovo-thinkpad

ThinkLMI

- <https://github.com/lenovo/thinklmi>
- Utility for easy access to BIOS WMI settings
 - Kernel driver portion
 - User space utility
- Preparing to upstream, kernel driver – in progress



Upstreaming kernel patches

- Lapmode sensor enablement – status: accepted
 - <https://sourceforge.net/p/ibm-acpi/mailman/message/37049273/>
- Palm sensor enablement – status: in progress
 - <https://sourceforge.net/p/ibm-acpi/mailman/message/37062501/>
- Performance mode control enhancement – status: in progress
 - <https://sourceforge.net/p/ibm-acpi/mailman/message/37067770/>

Questions & Feedback

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