Yocto Project lore: New mailing list tools

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About me

- **Involved in Yocto Project since 2013**

- **Work across the whole embedded stack**

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About this talk

- **What is public-inbox & lore.kernel.org?**

- **What is b4?**

- **Demo**

- **Patch Attestation & patatt**

Acknowledgements

- **public-inbox contributors**

- **Konstantin Ryabitsev**

public-inbox

- "Archives-first" mailing list implementation

- Uses git as backing store

- Access via web interface with search, Atom feed, IMAP & NNTP

- Indexed by Message-ID

- **https://public-inbox.org/README.html**

lore.kernel.org

- **public-inbox instance for Linux Kernel community**

- **Expanded to include many other project mailing lists**

- **https://lore.kernel.org/**

Yocto mailing lists on lore.kernel.org

- **https://lore.kernel.org/openembedded-core/**

- **https://lore.kernel.org/openembedded-devel/**

- **https://lore.kernel.org/bitbake-devel/**

- **https://lore.kernel.org/yocto/**

- More: meta-arm, docs, meta-freescale & toaster

b4

- **Helper utility to pull patches from public-inbox archives**
  - Uses lore.kernel.org by default

- `b4 am`: **Download patches to apply with** `git am`

- `b4 pr`: **Handle pull request messages**

- `b4 ty`: **Send thank you messages using templates**

b4 demo

https://youtu.be/dMzECZlOwto

patatt

- **Easy to use, end-to-end attestation for patches sent via email**
  - Confirms that an author is not being impersonated

- **Implemented using additional message headers**
  - Does not obstruct `git am`

- **Integrated with b4: `b4 attest`**

Links for b4 & patatt

- **https://pypi.org/project/b4/**

- **https://pypi.org/project/patatt/**

- **Repositories on https://git.kernel.org/**

Doing more with Lore

lore+lei

https://people.kernel.org/monsieuricon/lore-lei-part-1-getting-started

Further Info from Konstantin Ryabitsev

- "Doing more with lore and b4" from Linux Plumbers 2021

  https://www.youtube.com/watch?v=wTpQYM08_Yg

- "Patatt: End-to-end Patch Cryptographic Attestation for Patches" from Linux Security Summit 2021

  https://www.youtube.com/watch?v=xc3TAMQhm1M