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Morello Linux Kernel Contribution Process

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Morello Linux Kernel Contribution Process - Summary

- Goals and Requirements
- New Features Development

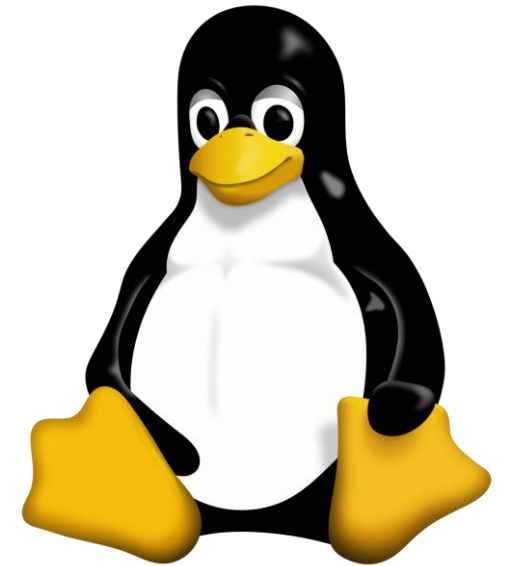


Morello Linux Kernel Contribution Process

Goals and Requirements

Morello Linux Kernel Contribution Process - Goals

- **Goals:**
 - Define a lightweight process.
 - Simplify the submission of new features for the kernel.
 - Provide a common place to access the information.
 - Make everyone feel part of the same Morello community.
- **Main Focus:**
 - Mailing List
 - Common Task Tracker
 - Public CI



Morello Linux Kernel Contribution Process – Mailing List

- A public **Mailing List**: linux-morello@op-lists.linaro.org
- The mailing list is considered as the center of the community life.
- The mailing list purpose is to discuss:
 - New patches submitted for review.
 - New ideas for enhancing the Morello Linux Kernel.
 - Bugs and feature requests.
- All the activities of the morello kernel team are fulfilled through the public mailing list.
- All the contributions are expected to come through the public mailing list.



Morello Linux Kernel Contribution Process – Task Tracker

- A public **Task Tracker**:
 - <https://git.morello-project.org/groups/morello/kernel/-/epics>
- The purpose of the Tracker is to:
 - Create new tasks that impact the development of the kernel.
 - Give visibility to the tasks to the members of the Morello Linux Kernel community.
 - Define and identify tasks that are assigned to the members of the Morello Linux Kernel community.
 - Give the possibility to any member of the community to identify the status and a point of contact (PoC) for any given task.



Morello Linux Kernel Contribution Process – Public CI

- A public **Continuous Integration (CI)**:
 - <https://git.morello-project.org/morello/kernel/linux/-/pipelines>
- The purpose of the CI is to:
 - Verify the status of one or more patches before merging them.
 - Build confidence in the delivered code base.
 - Decouple the consumption of the Linux kernel from its development.
- Test suites considered currently for inclusion in the CI for the Morello Linux Kernel are:
 - Kselftest
 - LTP (Linux Test Platform)
 - Musl tests.
- The plan is to extend the CI in future as part of the Morello Linux Kernel Development.



Morello Linux Kernel Contribution Process – Other Mailing Lists

- Morello-flavored Linux Test Project (LTP) discussions: linux-morello-ltp@op-lists.linaro.org
- Morello Linux Kernel CI Reports: linux-morello-ci@op-lists.linaro.org
- Morello Linux Distros Discussions: linux-morello-distros@op-lists.linaro.org

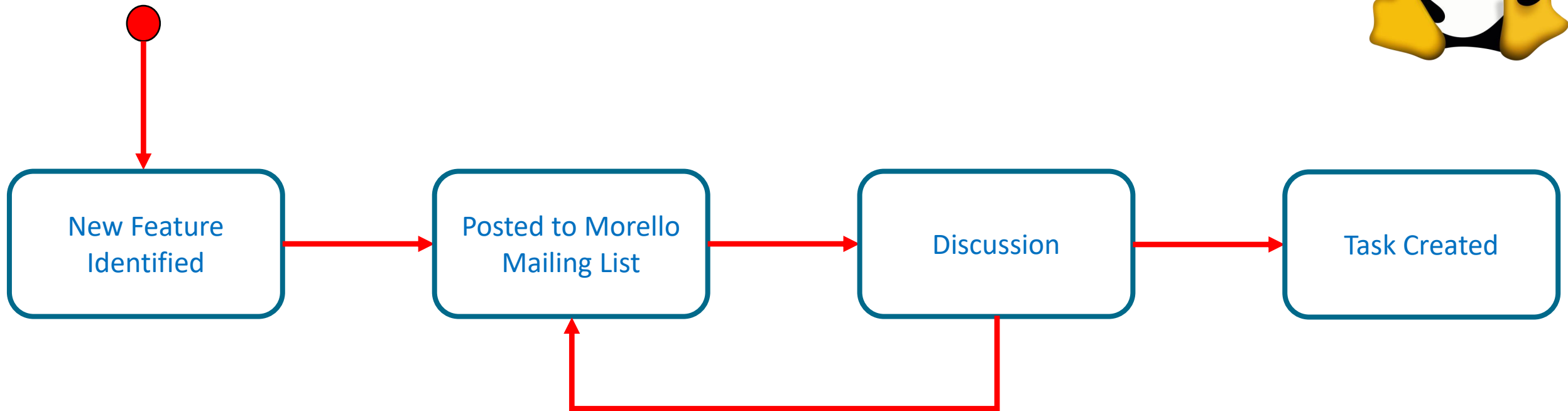
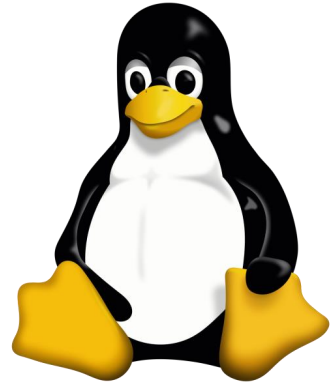




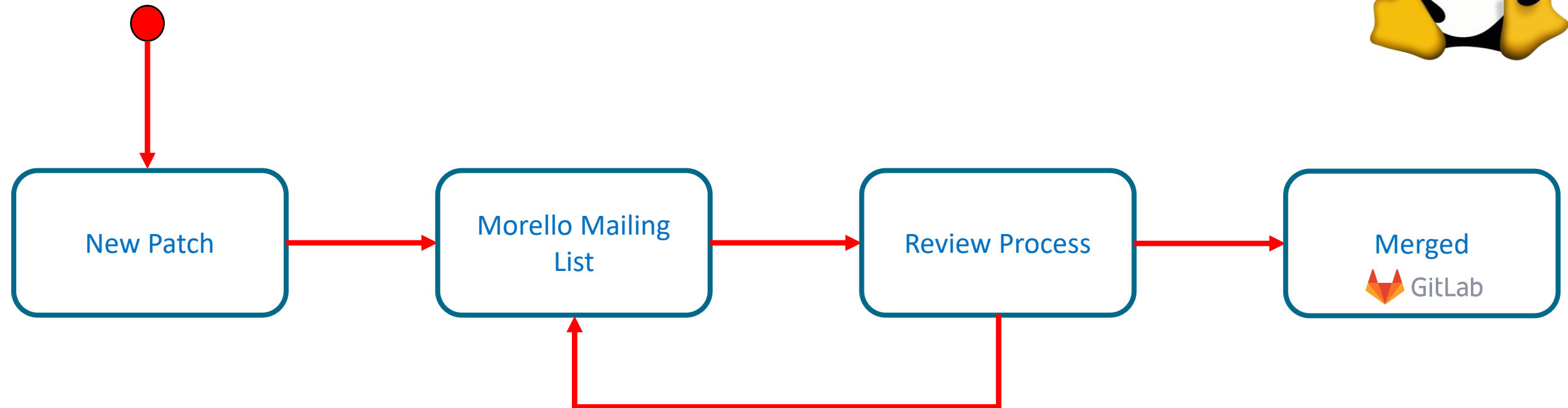
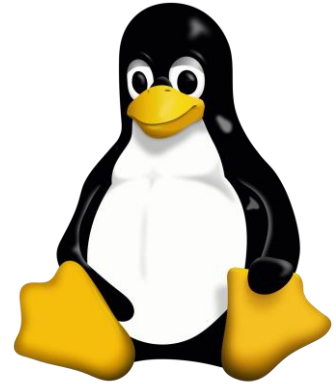
Morello Linux Kernel Contribution Process

New Features Development

Morello Linux Kernel Contribution Process – New Feature / Bug



Morello Linux Kernel Contribution Process - Development Process



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Thank You

Danke

Merci

谢谢

ありがとう

Gracias

Kiitos

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