

# Release Engineering at Collabora

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Collabora  
Online



Technical Day  
COOL  
days



# Collabora Online



# Products that we build

- Collabora Online (for customers, a.k.a. COOL)
- Collabora Online Development Edition (for the community, a.k.a. CODE)
- Collabora Online Lite (a.k.a. the key-enabled version, Univention App Center, Egroupware, ...)
- Richdocumentscode, the built-in CODE server for Nextcloud



# Platforms / Architectures

- AMD/Intel (x86-64)
  - COOL, CODE, COOL Lite, richdocumentscode
- ARM (aarch64)
  - CODE, richdocumentscode
- PowerPC (ppc64le)
  - COOL, CODE



# Versions

- COOL & COOL Lite (3 years of support)
  - 21.11, 22.05, 23.05, (24.04)
- CODE (development → always the latest)
  - Now 23.05, soon 24.04



# Linux Packages

- RPM and DEB
- Baseline OS for building the packages
  - Enterprise Linux 7 (x86\_64)
  - Enterprise Linux 8 (ppc64le and aarch64)
- Static linking of libs
  - Poco, libpng, libzstd, OpenSSL
- Very few dependencies → Linux packages run on wide variety of Linux distros



# Docker images – CODE

- Based on Debian 12 slim (Bookworm)
- collabora/code – public image of CODE on docker hub
  - x86-64, aarch64, ppc64le
- registry.opencode.de/bmi/opendesk/components/supplier/collabora/images/collabora-online-for-opendesk – unbranded CODE for OpenDesk



# Docker images – COOL

- Based on Debian 12 slim (Bookworm)
- [registry.gitlab.collabora.com/productivity/collabora-online](https://registry.gitlab.collabora.com/productivity/collabora-online) – COOL for customers (x86-64) – access token required
- [registry.gitlab.collabora.com/productivity/collabora-online-nc](https://registry.gitlab.collabora.com/productivity/collabora-online-nc) – COOL with NC theme for customers (x86-64) – access token required
- [registry.gitlab.collabora.com/collabora-online/docker](https://registry.gitlab.collabora.com/collabora-online/docker) – COOL Lite, public image (x86-64)





# Jenkins



All build infrastructure is managed with Jenkins.

<https://www.jenkins.io/>

S	W	Job	Last Success	Last Failure	Last Duration	Console	Built On
✓	🔧	Docker for CODE	2 days 3 hr #160	24 days #157	23 min	📄 Console output	Jenkins
✓	⚙️	build CODE images					
✓	🔧	docker-code-amd64	2 days 3 hr #184	24 days #181	1 min 25 sec	📄 Console output	Jenkins
✓	🔧	docker-code-arm64	2 days 3 hr #160	2 mo 3 days #148	1 min 22 sec	📄 Console output	Ubuntu 20.04 ARM64
✓	🔧	docker-code-ppc64	2 days 3 hr #92	6 mo 11 days #64	1 min 39 sec	📄 Console output	Unity Cloud vm1
✓	⚙️	build non-branded CODE for openDesk					
✓	🔧	docker-collabora-opendesk	2 days 3 hr #34	N/A	6 min 50 sec	📄 Console output	Jenkins



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*Technical Day*  
**COOL**  
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# Thank you!

*By Andras Timar*



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