



Streamline CLI Tools Release Notes

Version 9.3.1

Non-Confidential

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Issue 01

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Streamline CLI Tools Release Notes

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This document (109848_9.3.1_01_en) was issued on 2024-10-28. There might be a later issue at <https://developer.arm.com/documentation/109848>

The product version is 9.3.1.

See also: [Proprietary notice](#) | [Product and document information](#) | [Useful resources](#)

Start reading

If you prefer, you can skip to [the start of the content](#).

Intended audience

This is the release notes for Streamline CLI Tools. It describes the new features and changes introduced with this release, and documents supported platforms and known issues.

Inclusive language commitment

Arm values inclusive communities. Arm recognizes that we and our industry have used language that can be offensive. Arm strives to lead the industry and create change.

We believe that this document contains no offensive language. To report offensive language in this document, email terms@arm.com.

Feedback

Arm welcomes feedback on this product and its documentation. To provide feedback on the product, create a ticket on <https://support.developer.arm.com>.

To provide feedback on the document, fill the following survey: <https://developer.arm.com/documentation-feedback-survey>.

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1. Arm® Streamline CLI Tools Release Note

Arm Neoverse™ CPUs provide cloud and server workloads with an energy efficient computing platform. These systems give high application performance and an excellent operational price-performance ratio. To maximize performance, you can tune your software for the underlying hardware. To do this effectively, you need high quality performance data from the hardware, and performance analysis tooling to capture and interpret it.

The [Streamline CLI tools](#) provide a software profiling methodology that gives you clear and actionable performance data. You can use this data to guide the optimization of the heavily used functions in your software.

The CLI tools are simple to deploy, and can be used in a standalone workflow that runs entirely on the Arm server. Alternatively, data can be recorded on the server using `sl-record`, and then exported for offline analysis using the full Streamline GUI application.

Release status

This is the REL quality release of Arm Streamline CLI Tools 9.3.1.

This release produces captures that are compatible with the Streamline 9.3.x GUI, which is part of the Arm Performance Studio 2024.5 release.

Feedback

We love to hear developer feedback, and use this feedback to prioritize fixes and feature development. Please let us know about any bugs you encounter, or features you would like to see in a future release.

You can [raise an issue via GitHub](#), or you can email the product team at performancestudio@arm.com.

Changes in this release

The following changes have been made in this release:

- Feature: Improved quality of tooling logging output and error messages.
- Feature: Updated strobbing kernel patches to support kernel versions 5.15, and 6.0-6.11.
- Feature: Added a new download utility script named `get-streamline-cli.py`. This script enables you to easily download and install the latest version of Streamline CLI tools and extract it to the current working directory on your Arm server. You can also download a specific version, or install to a user-specified directory. Refer to the [Install Guide](#) for details on all the script options.
- Fix: Fix handling of EBS events in patched kernels.

Refer to the [Streamline CLI Tools User Guide](#) for full instructions on how to use Streamline CLI Tools.

Platform support

This release has been built against glibc 2.28. This supports the following host operating systems running on an Arm AArch64 host machine:

- Amazon Linux 2023 or newer
- Debian 10 or newer
- RHEL 8 or newer
- Ubuntu 20.04 or newer

This release has been tested on the following Arm CPUs:

- Arm Neoverse N1
- Arm Neoverse N2
- Arm Neoverse V1

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Product and document information

Read the information in these sections to understand the release status of the product and documentation, and the conventions used in Arm documents.

Product status

All products and services provided by Arm require deliverables to be prepared and made available at different levels of completeness. The information in this document indicates the appropriate level of completeness for the associated deliverables.

Product completeness status

The information in this document is Final, that is for a developed product.

Revision history

These sections can help you understand how the document has changed over time.

Document release information

The Document history table gives the issue number and the released date for each released issue of this document.

Document history

Issue	Date	Confidentiality	Change
0903-01	28 October 2024	Non-Confidential	Updated for 9.3.1
0903-00	4 September 2024	Non-Confidential	Updated for 9.3.0
0902-01	25 July 2024	Non-Confidential	Updated for 9.2.2
0902-00	17 June 2024	Non-Confidential	First release

Change history

The Change history tables describe the technical changes between released issues of this document in reverse order. Issue numbers match the revision history in [Document release information](#) on page 8.

Table: Issue 00 +-----+-----+ | Change | Location |
+=====+=====+ | Initial
release | - | +-----+-----+ |

Conventions

The following subsections describe conventions used in Arm documents.

Glossary


The Arm Glossary is a list of terms used in Arm documentation, together with definitions for those terms. The Arm Glossary does not contain terms that are industry standard unless the Arm meaning differs from the generally accepted meaning.

See the Arm Glossary for more information: developer.arm.com/glossary.

Typographic conventions


Arm documentation uses typographical conventions to convey specific meaning.

Convention	Use
<i>italic</i>	Citations.
bold	Interface elements, such as menu names. Terms in descriptive lists, where appropriate.
monospace	Text that you can enter at the keyboard, such as commands, file and program names, and source code.
monospace <u>underline</u>	A permitted abbreviation for a command or option. You can enter the underlined text instead of the full command or option name.
<and>	Encloses replaceable terms for assembler syntax where they appear in code or code fragments. For example: <div>MRC p15, 0, <Rd>, <CRn>, <CRm>, <Opcode_2></div>
SMALL CAPITALS	Terms that have specific technical meanings as defined in the Arm® Glossary. For example, IMPLEMENTATION DEFINED , IMPLEMENTATION SPECIFIC , UNKNOWN , and UNPREDICTABLE .



Caution

We recommend the following. If you do not follow these recommendations your system might not work.



Warning

Your system requires the following. If you do not follow these requirements your system will not work.



You are at risk of causing permanent damage to your system or your equipment, or harming yourself.



This information is important and needs your attention.



A useful tip that might make it easier, better or faster to perform a task.



A reminder of something important that relates to the information you are reading.

Useful resources

This document contains information that is specific to this product. See the following resources for other useful information.

Access to Arm documents depends on their confidentiality:

- Non-Confidential documents are available at developer.arm.com/documentation. Each document link in the following tables goes to the online version of the document.
- Confidential documents are available to licensees only through the product package.