



# Arm<sup>®</sup> Keil<sup>®</sup> Studio Cloud CMSIS environment

Version 2.0.0

## Release Notes

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### Issue 01

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## Arm® Keil® Studio Cloud CMSIS environment Release Notes

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The product version is 2.0.0.

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 book is written for all developers who are involved in the development of embedded, IoT and Machine Learning software for Cortex-M devices.

### 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](mailto: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. Release overview

The following sections describe the product that these release notes describe and its quality status at time of release.

## 1.1 Product description

The Keil® Studio Cloud CMSIS environment is a browser-based IDE designed for rapid prototyping for microcontroller development.

## 1.2 Product quality

These deliverables are being released under the terms of the agreement between Arm and each licensee (the “Agreement”). All planned verification and validation is complete. The release is suitable for volume production under the terms of the Agreement.

## 2. Access the Keil® Studio Cloud CMSIS environment

You can access the Keil® Studio Cloud CMSIS environment using an Arm® or Mbed™ account.

### Procedure

1. In your web browser, go to <https://studio.keil.arm.com/auth/login>.
2. Select **CMSIS**.
3. Enter the email associated with your account.
4. Click **Log in**.

## 3. Differences from previous release

This is version 2.0.0 of the Keil® Studio Cloud CMSIS environment.

### New features

- **Visual Studio Code migration:** The Keil Studio Cloud CMSIS Environment uses VS Code to provide a faster, more reliable user experience.
- **Improved CMSIS support:** The Keil Studio Cloud CMSIS Environment supports the CMSIS Solution project format features up to version 2.2.x.

### Known issues

- There are currently some issues with the visualisation of variables in the Memory Inspector.
- Upon build completion, VS Code focus switches to the **Explorer**.

## 4. Support

If you have suggestions or if you have discovered an issue with the Keil® Studio Cloud CMSIS environment, please report them to us. Go to <https://www.keil.arm.com/support> and use the links provided in the **Contact Support** section.

A Full release of the Arm Deliverable shall have met the contractual requirement for verification and validation of the deliverable subject to any waivers agreed between Arm and the Customer.

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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
0200-01	28 November 2024	Non-Confidential	Initial release

### Change history

For information about the functional changes to the Keil® Studio Cloud CMSIS environment, see these Release Notes.

## 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](https://developer.arm.com/glossary).

Typographic conventions

Arm documentation uses typographical conventions to convey specific meaning.

Convention	Use
<i>italic</i>	Citations.
<b>bold</b>	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, &lt;Rd&gt;, &lt;CRn&gt;, &lt;CRm&gt;, &lt;Opcode_2&gt;</div>
SMALL CAPITALS	Terms that have specific technical meanings as defined in the Arm® Glossary. For example, <b>IMPLEMENTATION DEFINED</b> , <b>IMPLEMENTATION SPECIFIC</b> , <b>UNKNOWN</b> , and <b>UNPREDICTABLE</b> .



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



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.

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

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# 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](https://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.

Arm product resources	Document ID	Confidentiality
<a href="#">Arm Keil Microcontroller Development Kit (MDK) Getting Started Guide</a>	109350	Non-Confidential
<a href="#">Arm Keil Studio Cloud CMSIS environment User Guide</a>	109811	Non-Confidential
<a href="#">Arm Keil Studio Cloud User Guide (Classic)</a>	102497	Non-Confidential
<a href="#">Arm Keil Studio Visual Studio Code Extensions User Guide</a>	108029	Non-Confidential
<a href="#">μVision User Guide</a>	101407	Non-Confidential