

# AN1303: Programming Series 2 Devices using the Debug Challenge Interface (DCI) and Serial Wire Debug (SWD)



This version of AN1303 has been deprecated with the release of Simplicity SDK Suite 2025.12.0. For the latest version, see [docs.silabs.com](https://docs.silabs.com).

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This application note describes how to provision and configure Series 2 devices through the dedicated Debug Challenge Interface (DCI). The process to use the Serial Wire Debug (SWD) interface for programming the internal flash memory of Series 2 devices is also included.

For details on how to use the SWD interface to program devices, see [AN0062: Programming Internal Flash over the Serial Wire Debug Interface](#).

## KEY POINTS

- DCI overview
- SWD interface overview
- DCI programming examples to provision and configure Series 2 devices
- SWD programming examples to program Series 2 devices
- How to add a new Series 2 device to the programmer