ARM 64 / aarch64 Processors Support: January 2025

At release 2025 R1, the Arm architecture for computer processors is supported for the following Ansys products: Fluent, LS-DYNA, and RedHawk-SC.

Support by product is limited on 64-bit Arm processors (aarch64 architecture) to the following operating systems.

Operating System/Version	Fluent *	RedHawk-SC
RHEL 8.8	✓*	
RHEL 8.10		✓
RHEL 9.4	✓*	
Rocky Linux 8.10		✓
	* solver-only	

Stand-alone installer for Fluent on Arm is available upon special request to Ansys Support.

The LS-DYNA solver supports 64-bit Arm architecture. The four package options available are:
- Fujitsu A64FX processor with Tofu interconnect, version R11.2.2 (released in 2021)
- Arm Neoverse N1-based processors, version R12.1.0 (released in 2021)
- Arm Neoverse N1- and Arm Neoverse N2-based processors (use the Arm Neoverse-N1 package), R13.1.1 (released in 2022)
- Arm Neoverse V1- and Arm Neoverse V2-based (use the Arm Neoverse-512tvb package) processors, version R13.1.1 (released in 2022)

Supported processors on 64-bit ARM architecture include:
- Arm Neoverse N1-based processors: AWS Graviton 2 and Ampere Altra
- Arm Neoverse N2-based processors: Yitian 710, Microsoft Azure Cobalt 100
- Arm Neoverse V1-based processors: AWS Graviton3 and AWS Graviton3E
- Arm Neoverse V2-based processors: AWS Graviton4 and NVIDIA Grace
- Arm Neoverse V2-based processors: Google Axion

For more information about Arm technology, see Defining the Future of Computing – Arm®

For questions about this document, send e-mails to platform-feedback@ansys.com