



Trial the Arm HPC tools

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Non-Confidential

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1. Overview

Arm tools are used by 70% of the top 20 supercomputer users worldwide to quickly understand application performance and achieve faster results from their debug, profiling, and optimization efforts.

Arm architecture users

Figure 1-1: Arm Allinea Studio



Arm Allinea Studio is our solution to HPC on Arm. It contains:

- Arm Compiler for Linux:
 - Arm C/C++ Compiler
 - Arm Fortran Compiler
 - Arm Performance Libraries
- Arm Forge

Arm Compiler for Linux enables you to generate code for Arm platforms, and Arm Forge enables you to debug, profile, and analyze this code.

Cross-platform users

Figure 1-2: Arm Forge



Use Arm Forge to performance engineer for any server.

Arm Forge combines:

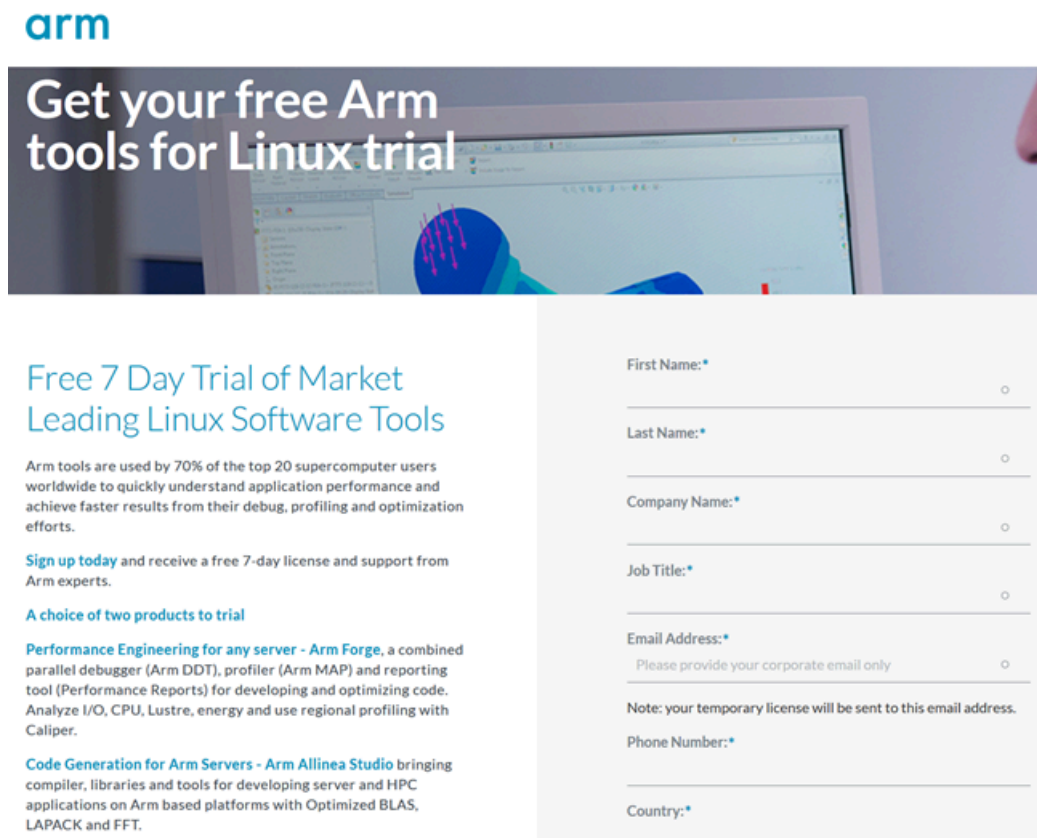
- A parallel debugger (Arm DDT)
- A profiler (Arm MAP)
- A reporting tool (Performance Reports) for developing and optimizing code.

It also enables you to analyze I/O, CPU, Lustre, energy, and regionally profile with Caliper.

2. Step 1: Complete the license request form

To get a free seven day trial of any of Arm's market leading HPC software tools, [request a license](#).

Figure 2-1: Preview of the evaluation license request form



The image shows a preview of the evaluation license request form. At the top, there is a banner with the Arm logo and the text "Get your free Arm tools for Linux trial". Below the banner, the form is divided into two columns. The left column contains promotional text about the trial, including a link to "Sign up today" and a list of products to trial. The right column contains a form with fields for First Name, Last Name, Company Name, Job Title, Email Address, Phone Number, and Country. The form is styled with a light blue and white color scheme.

arm

Get your free Arm tools for Linux trial

Free 7 Day Trial of Market Leading Linux Software Tools

Arm tools are used by 70% of the top 20 supercomputer users worldwide to quickly understand application performance and achieve faster results from their debug, profiling and optimization efforts.

[Sign up today](#) and receive a free 7-day license and support from Arm experts.

A choice of two products to trial

Performance Engineering for any server - Arm Forge, a combined parallel debugger (Arm DDT), profiler (Arm MAP) and reporting tool (Performance Reports) for developing and optimizing code. Analyze I/O, CPU, Lustre, energy and use regional profiling with Caliper.

Code Generation for Arm Servers - Arm Allinea Studio bringing compiler, libraries and tools for developing server and HPC applications on Arm based platforms with Optimized BLAS, LAPACK and FFT.

First Name: *

Last Name: *

Company Name: *

Job Title: *

Email Address: *

Please provide your corporate email only

Note: your temporary license will be sent to this email address.

Phone Number: *

Country: *

3. Step 2: Download and install the tools

Follow the links below to download the tools suitable for your platform.



You do not need to download and install the Arm Licence Server to use your trial license with the tools.

Figure 3-1: Download



HPC on Arm

[Download Arm Alinea Studio](#) (includes the latest supported version of Arm Forge)

HPC on other platforms

[Download Arm Forge](#)

4. Step 3: Set up your trials license

Arm Forge searches for a license in the installation directory.

If you choose to put the license file in a different location, you must set the `ALLINEA_LICENSE_DIR` environment variable to point to it:

```
export ALLINEA_LICENSE_DIR=/path/to/licenses-directory
```

Arm Compiler for Linux (Arm Allinea Studio users) searches for a license in the `/opt/arm/licenses` directory. You must create the `licenses` directory in `/opt/arm` and place your license in it.

If you choose to put the license file in a different location, you must set the `ARM_LICENSE_DIR` environment variable to point to it:

```
export ARM_LICENSE_DIR=/path/to/license-directory
```

Figure 4-1: Applications



For more information about about licensing, see:

- [Arm Allinea Studio licensing](#)
- [Arm Forge licensing](#)

5. Step 4: Download the trials package

The package listed below contains an example program in C, Fortran, and Python formats:

`arm_hpc_tools_trial.tar.gz`

With the trials package and a trials license you can:

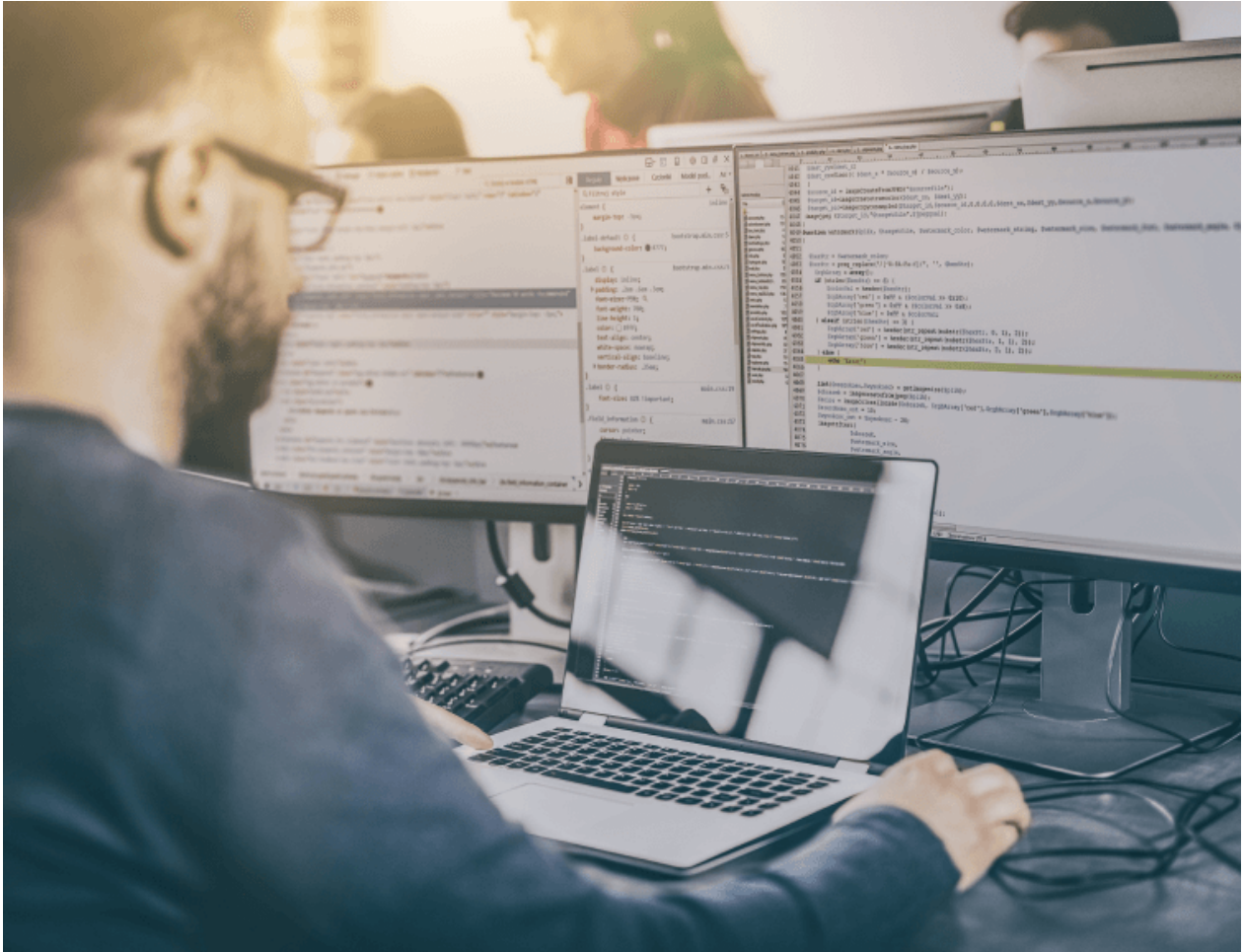
- Compile the examples with the Arm Compiler for Linux (Arm platform users only), or compile with another compiler of your choice.
- Analyze their performance with Arm Performance Reports.
- Debug and profile the codes with Arm Forge.

The package contains a tutorial that describes how to use the example codes with the Arm tools.

6. Step 5: Use the tools with your own workloads

Go further with your trials license and try running the tools with your own application codes.

Figure 6-1: Arm Fortran Features



For product documentation, videos, demos, and porting information, see our [Help and tutorials](#) page.

For further support during your tools trial, contact [Arm Support](#).