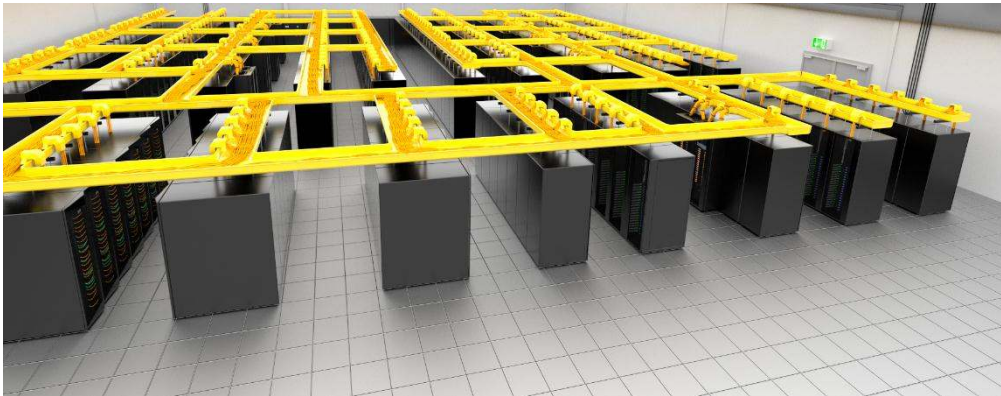




Eclipse: C/C++ Programming and Fortran



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Agenda

09:00-09:40 Introduction to Eclipse, CDT and Photran

09:40-10:30 Hands-on Session 1 (Managed Build Project)

- Creating a simple Managed Build Project

10:30-10:45 Break

10:45-11:30 Hands-on Session 2 (Makefile Project)

- Importing existing code with Makefile into Eclipse.

11:30-12:30 Lunch

12:30-13:30 Hands-on Session 3 (Makefile Project)

- Coding features, building, running and debugging.
- Documentation with doxygen

13:30-14:15 Exercises

- What we learned but on C

14:15-14:30 Break

14:30-15:00 Introducing elements of Photran.

15:15-15:30 End / Continue with Hands-on with assisted help

- **Open source and FREE!**
- **One IDE for almost all languages!**
- **Supported on most operating system**

OS independent GUI

- **Extensibility of features and tools**

You can find an app (plugin) for what you think you need

- **Easy to install**
- **Easy to use**
- **Stable Eclipse core**
- **A new release every year**
- **A big user community**

Introduction to Eclipse, CDT and Photran

- **Multi-language *software development environment* comprising an *integrated development environment* and an *extensible plugin system***
- **Started by IBM (Canada) in late 1990s**
 - Goal
 - Development tools platform
 - Common platform for all IBM development products
 - Integrated experiences for the customers
- **Formed and created Eclipse Foundation (non profit org.) in 2003-2004**
 - Decoupled from IBM
- **Current version: Kepler (June 2013)**
- **Next version: Luna (planned on June 2014)**

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