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# Eclipse overview

# What is Eclipse?

## Take #1: Almost nothing!

*“Eclipse is an IDE framework for anything but nothing in particular”*

Eclipse by itself can do nothing. It is an empty IDE framework that can be used to build IDE-like tools

# What is Eclipse?

## Take #2: Almost everything!

|                   |         |      |               |     |
|-------------------|---------|------|---------------|-----|
| PHP               | SQL     | VHDL | ...           | ... |
| BUGDB             | SVN/CVS | Test | Code analysis | ... |
| Java              | C/C++   | Web  | UML           | ALM |
| Eclipse framework |         |      |               |     |

Eclipse can be extended with plug-ins that adds almost any type of functionality – such as embedded C/C++ support

# What is Eclipse?

## Take #3: Organizational

Eclipse.org:

- Eclipse is an open source **community** whose projects are focused on building an extensible **development platform**, runtimes and application **frameworks** for **building, deploying** and **managing** software across the entire **software lifecycle**
  - Eclipse started as a Java IDE, but has since grown to be much, much more. Eclipse projects now cover static and dynamic languages; thick-client, thin-client, and server-side frameworks; modeling and business reporting; embedded and mobile; and, yes, we still have the best Java IDE.

[www.eclipse.org](http://www.eclipse.org)



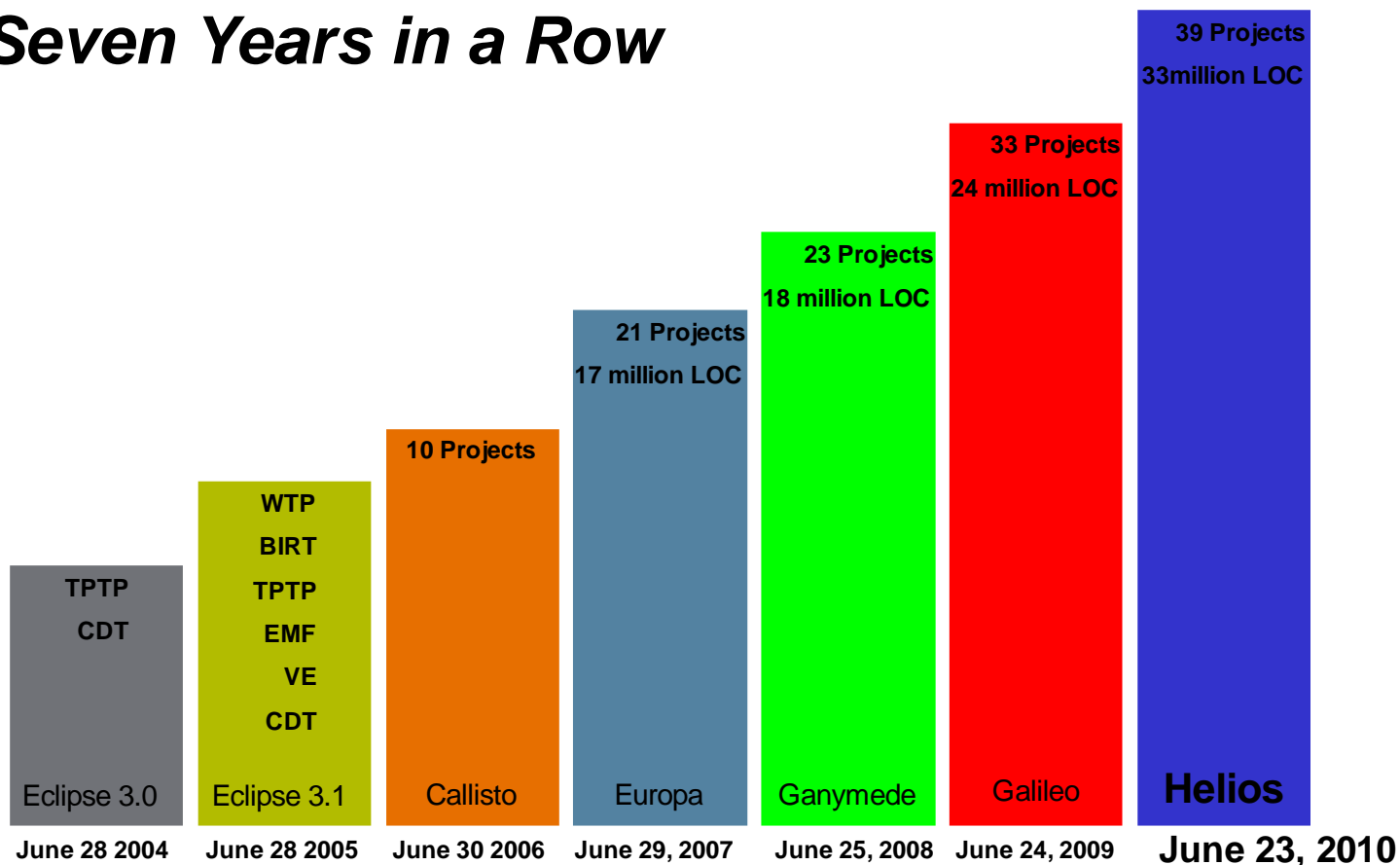
# What is Eclipse?

## Take #3: Organizational

- What is the **Eclipse Foundation** ?
  - The Eclipse Foundation is a not-for-profit, member supported corporation that hosts the Eclipse projects.
  - The Foundation provides services to run the IT infrastructure, IP due diligence, mentor the open source projects during the Eclipse development process and provide **marketing** and **business development support** for the Eclipse **community**.
- It is important to realize that the **Eclipse Foundation** does not actually develop the open source code. All of the open source software at **Eclipse** is developed by open source developers, called **committers**, which are volunteered or contributed by organizations and individuals

# Eclipse growth

## Seven Years in a Row



# More technically...

- Eclipse is a cross-platform IDE (Windows, Linux, Unix, MacOS X)
- Is “commercial friendly” open-source
- Is backed by major corporations – IBM, Intel, etc
- The Eclipse platform can do nothing by its own
- Plug-ins can be written to extend the functionality
- Plug-ins can be tiny additions or major blocks of new functionality
  - Add language support (C/C++, Ada, Java, PHP, etc)
    - Language aware editors, build systems, debuggers, etc
  - Add team collaboration features
  - Add database or web design features
  - Add code quality and test automation tools
  - Add UML modelling and other types of graphical editors
  - Etc
- Plug-ins can be open-source or commercial, in any combination



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