



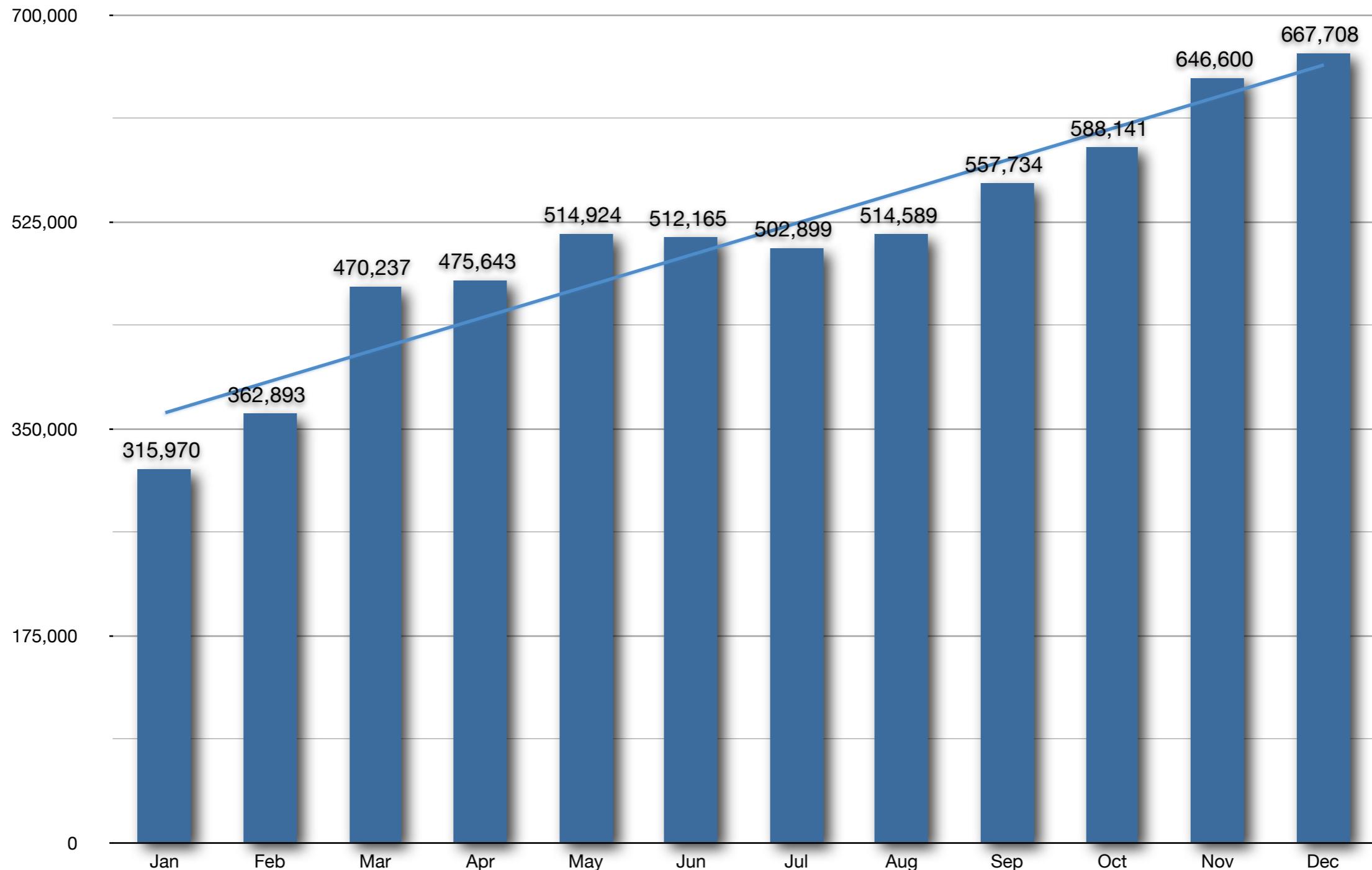
Next Generation Development Infrastructure

Jason van Zyl

≡ SONATYPE

<http://twitter.com/jvanzyl>

Maven Central 2009: Unique IPs / Month

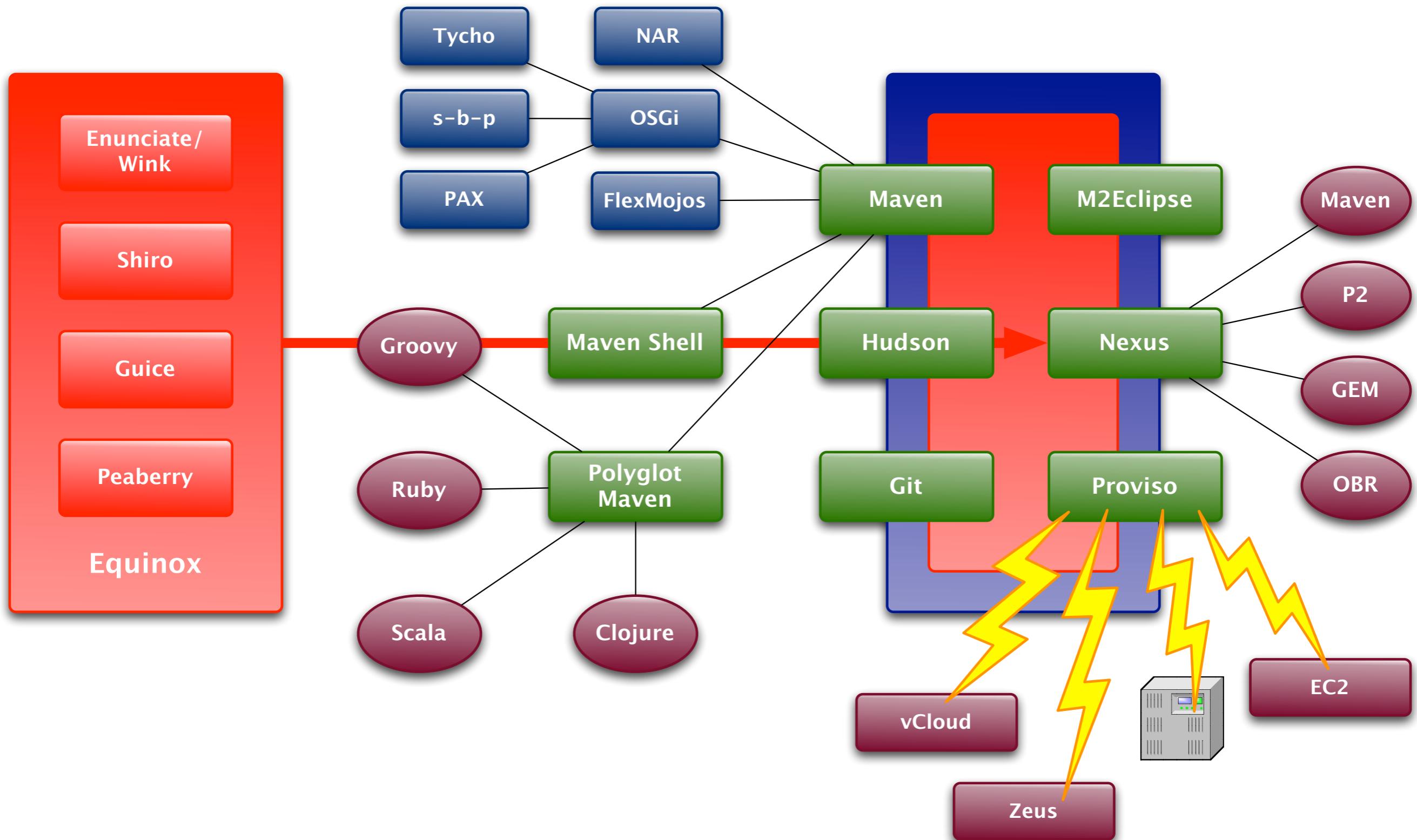


2008 Total Unique IPs: 1,836,709

2009 Total Unique IPs: 3,978,964

Responding to invitations for improvement





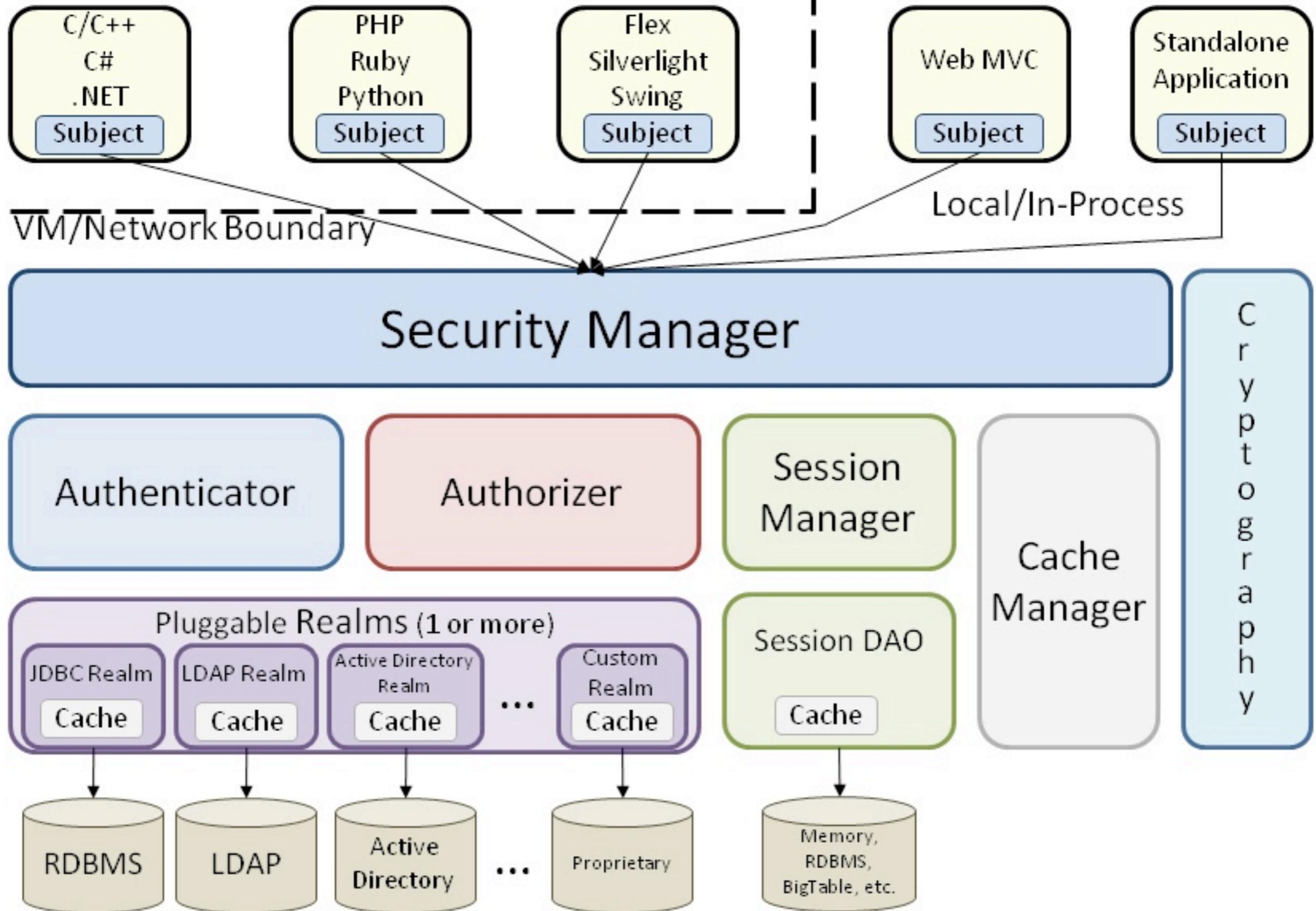


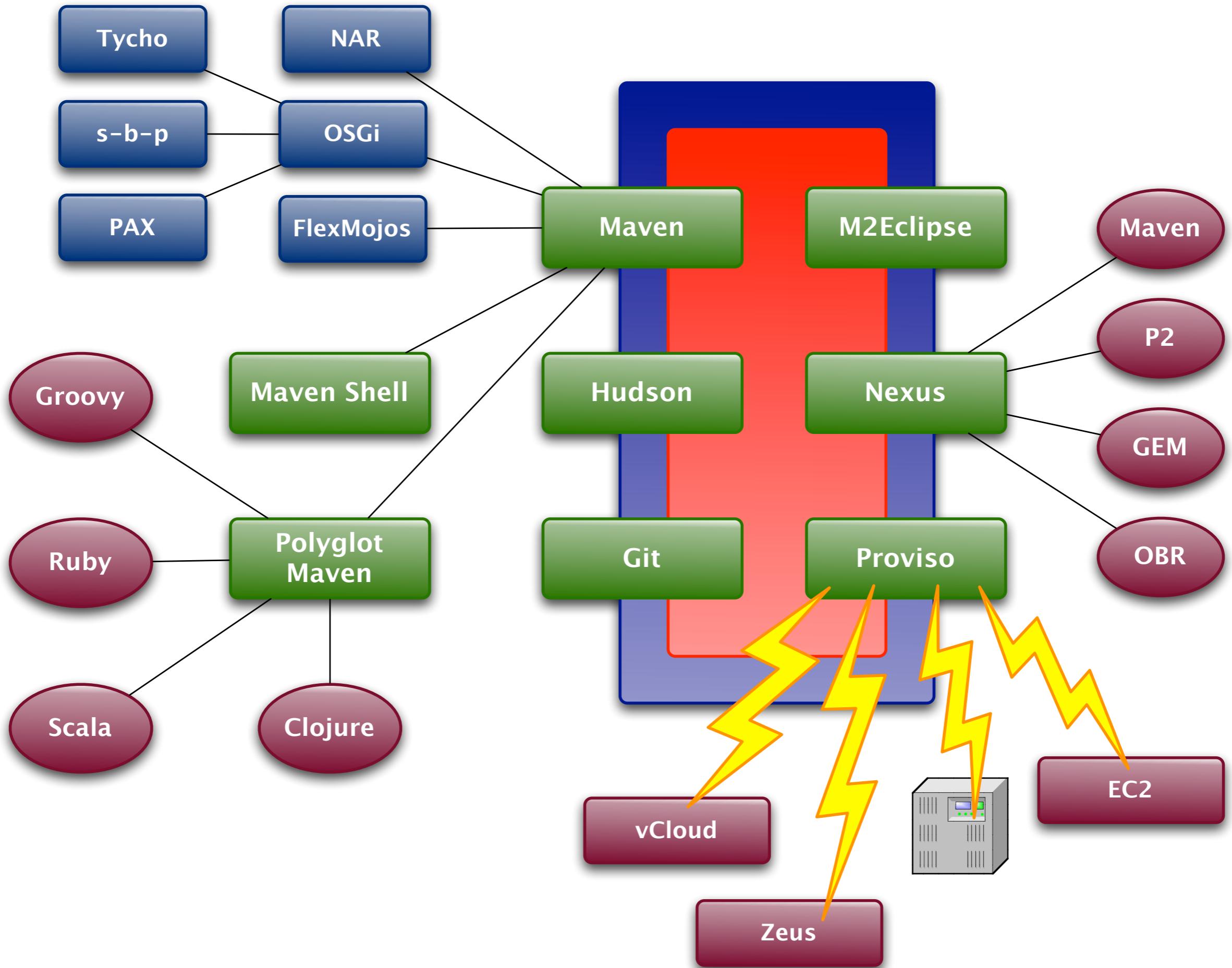


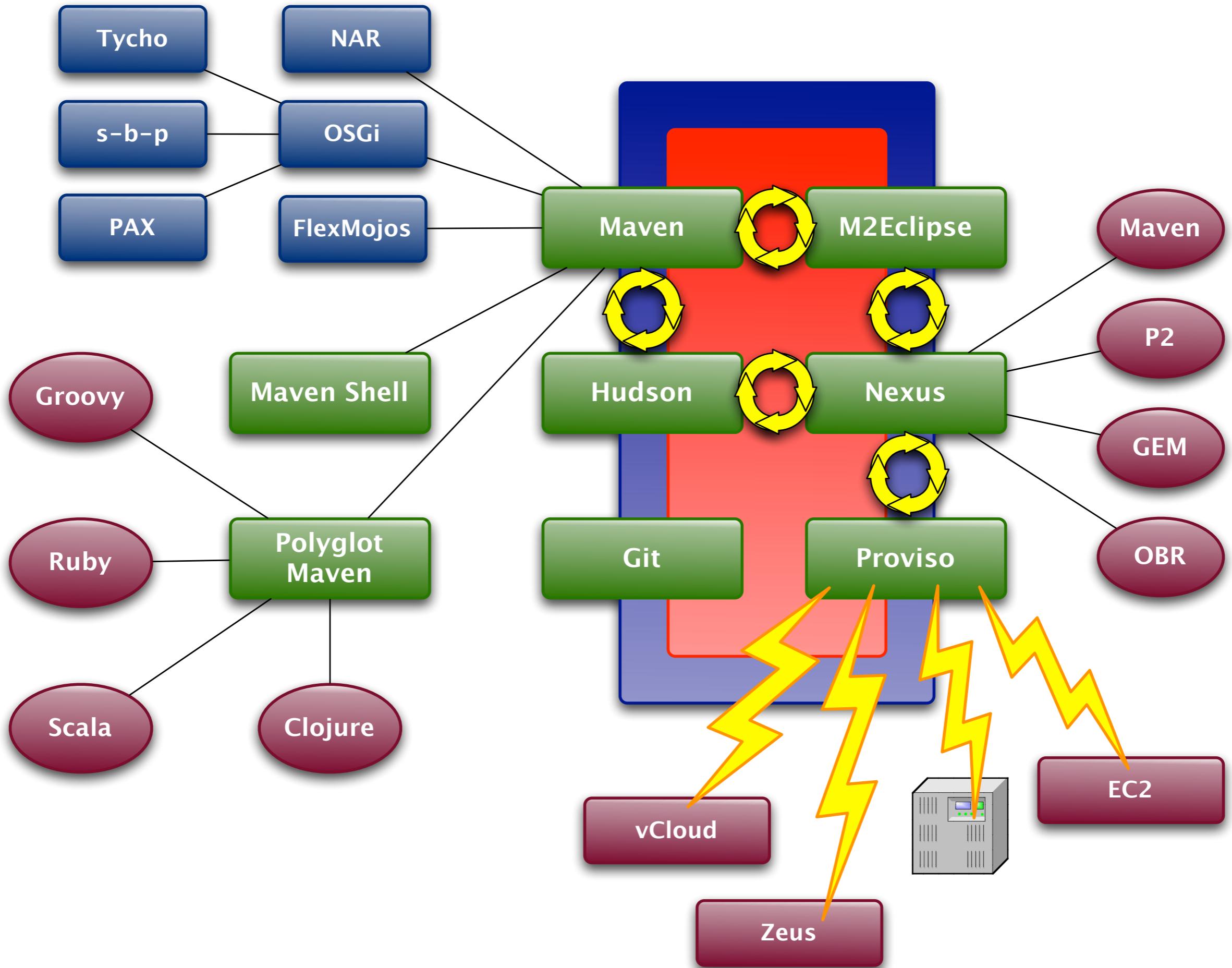


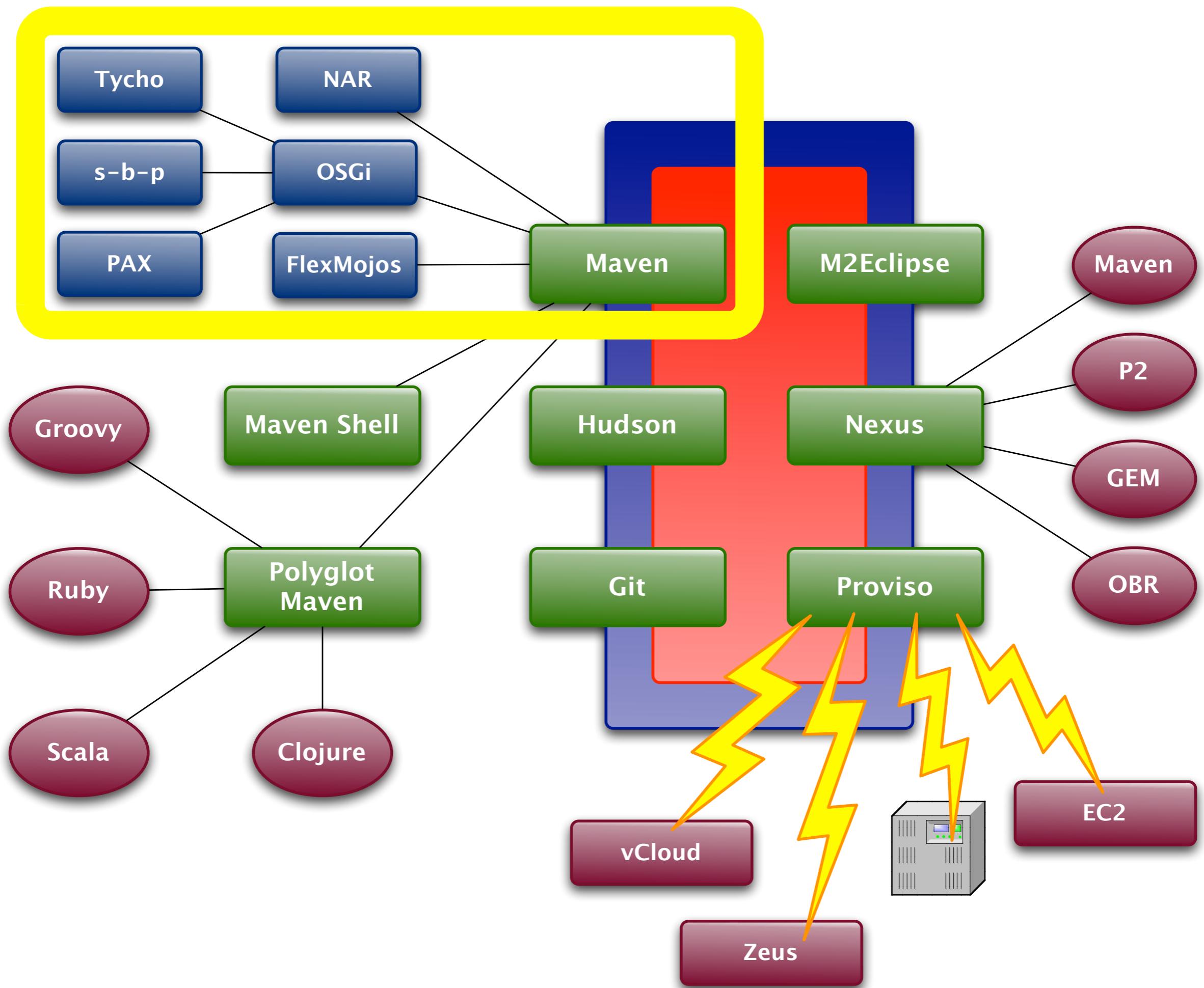


Apache Shiro









Tycho

- * Tycho attempts to be a complete replacement for PDE headless build, Buckminster, and everything else that attempts to build OSGi bundles and Eclipse plugins in a MANIFEST.MF-first way.
- * Tycho already uses Eclipse/OSGi metadata to resolve project dependencies by OSGi rules and injects these dependencies into maven project model dynamically, at build time.
- * Tycho uses JDT to make sure modularity rules are applied.
- * Tycho uses the OSGi state resolver is used to make sure the resolution that occurs during build-time matches what you will need at runtime.
- * Tycho supports bundles, fragments, features and update sites, as well as RCP applications. Tycho knows how to run JUnit test plugins using the OSGi runtime.
- * Tycho has support for P2 repositories, Update Sites and Maven repositories.
- * Tycho supports POM-first OSGi bundles.
- * M2Eclipse has support for importing Tycho projects as Eclipse PDE projects.

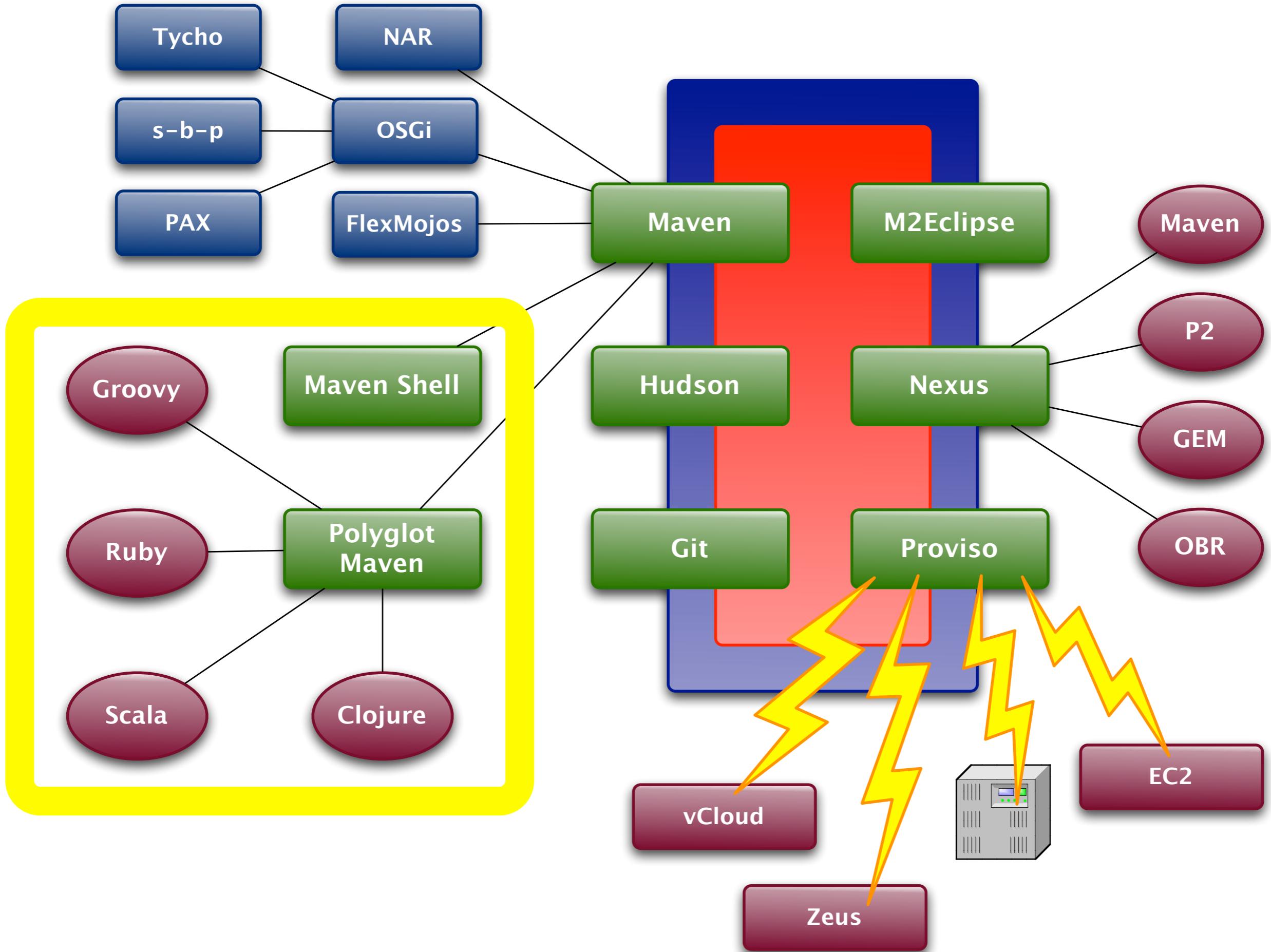
NAR:AOL Classifier

* AOL Classifier specifies where the NAR file was created and where it will work:

- * Architecture
 - * i386, x86, amd64, ppc, sparc, ...
- * Operating System
 - * Windows, Linux, MacOSX, SunOS, ...
- * Linker
 - * g++, gcc, msvc, CC, icc, icpc

* Examples:

- * x86-Windows-msvc, x86-Windows-g++
- * i386-Linux-g++, i386-Linux-icpc, amd64-Linux-g++
- * ppc-MacOSX-g++, i386-MacOSX-g++
- * sparc-SunOS-CC



Polyglot Maven

Home

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Development

DSLs

TMLs

Why



Bringing the power of JVM language diversity, DSLs, and terse markup languages to Maven

This is not your father's Maven. If you're looking to leverage the power of Maven through modern JVM language implementations like Groovy, Scala, Clojure and JRuby then you've come to the right place.



Some of the langages we are trying to provide first-class support for!



Groovy DSL.

[READ MORE](#)



Scala DSL.

[READ MORE](#)



Clojure DSL.

[READ MORE](#)



Ruby DSL.

[READ MORE](#)

Maven Shell

ready to build

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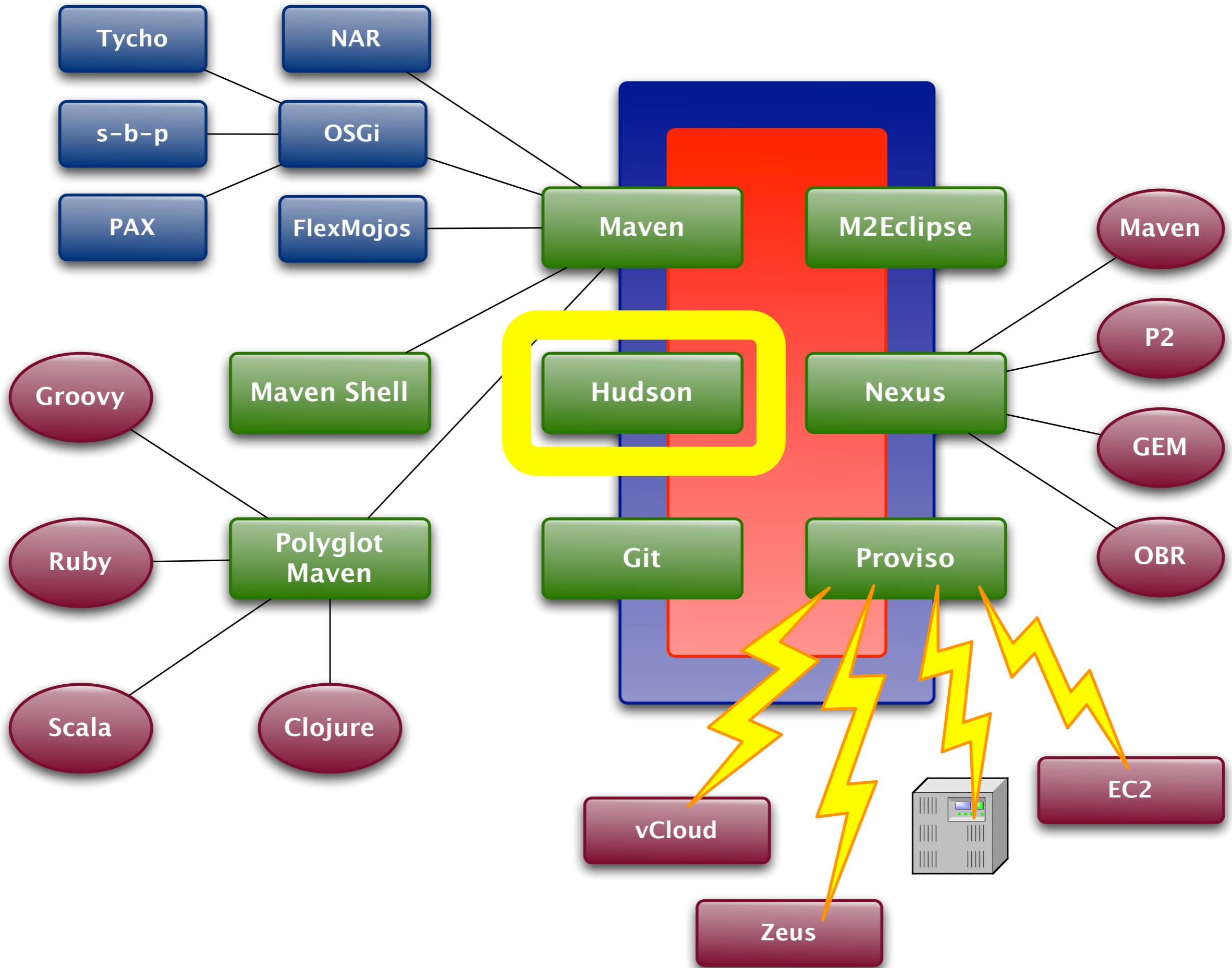
Community

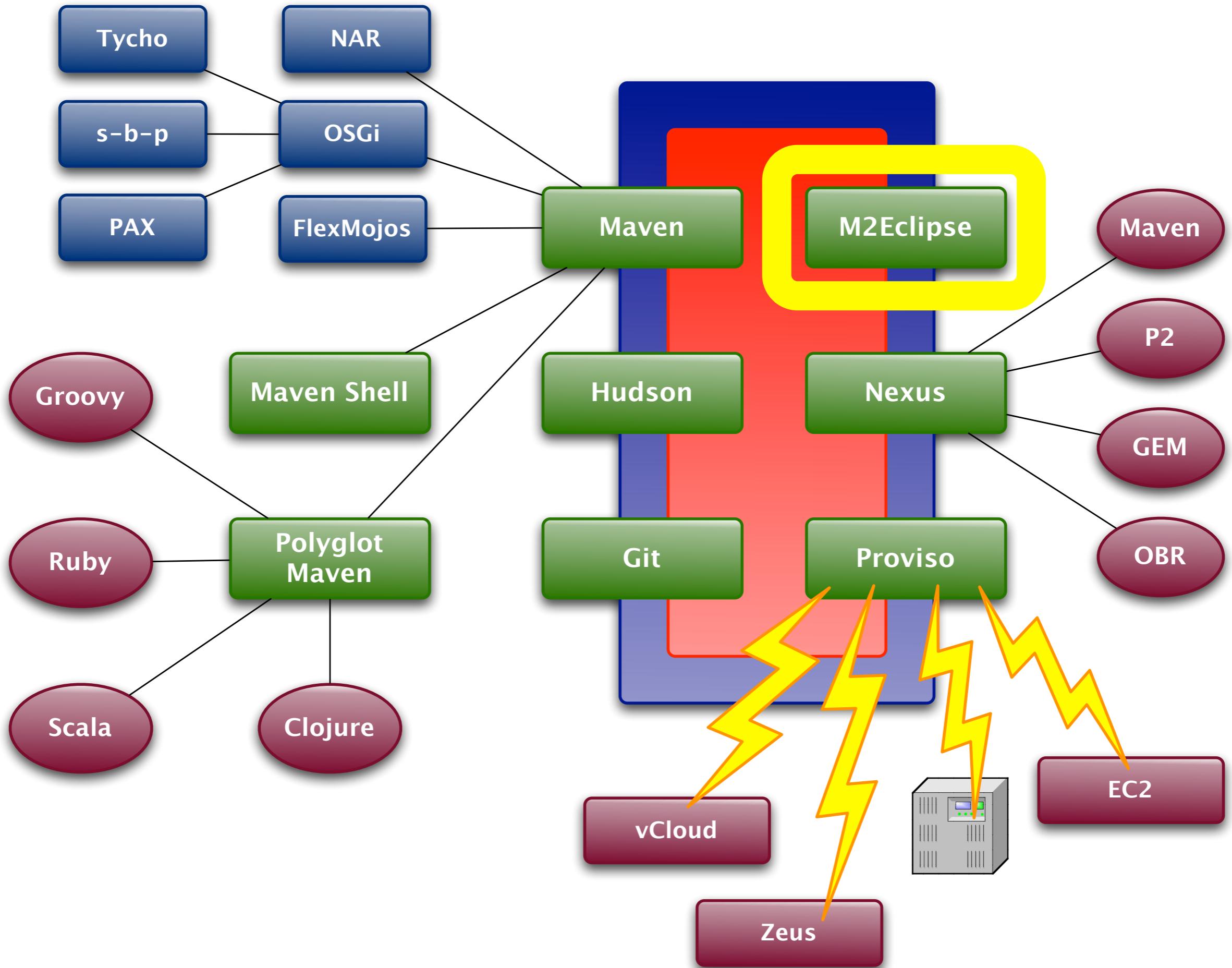
[Development](#)

Maven Shell is a CLI interface for Maven that enabled faster turn-around, and a more intelligent interaction with repositories and projects. Using Maven Shell, you will be able to speed up your builds because project information and Maven plugins are loaded into a single, always-ready JVM instance which can execute a Maven build.

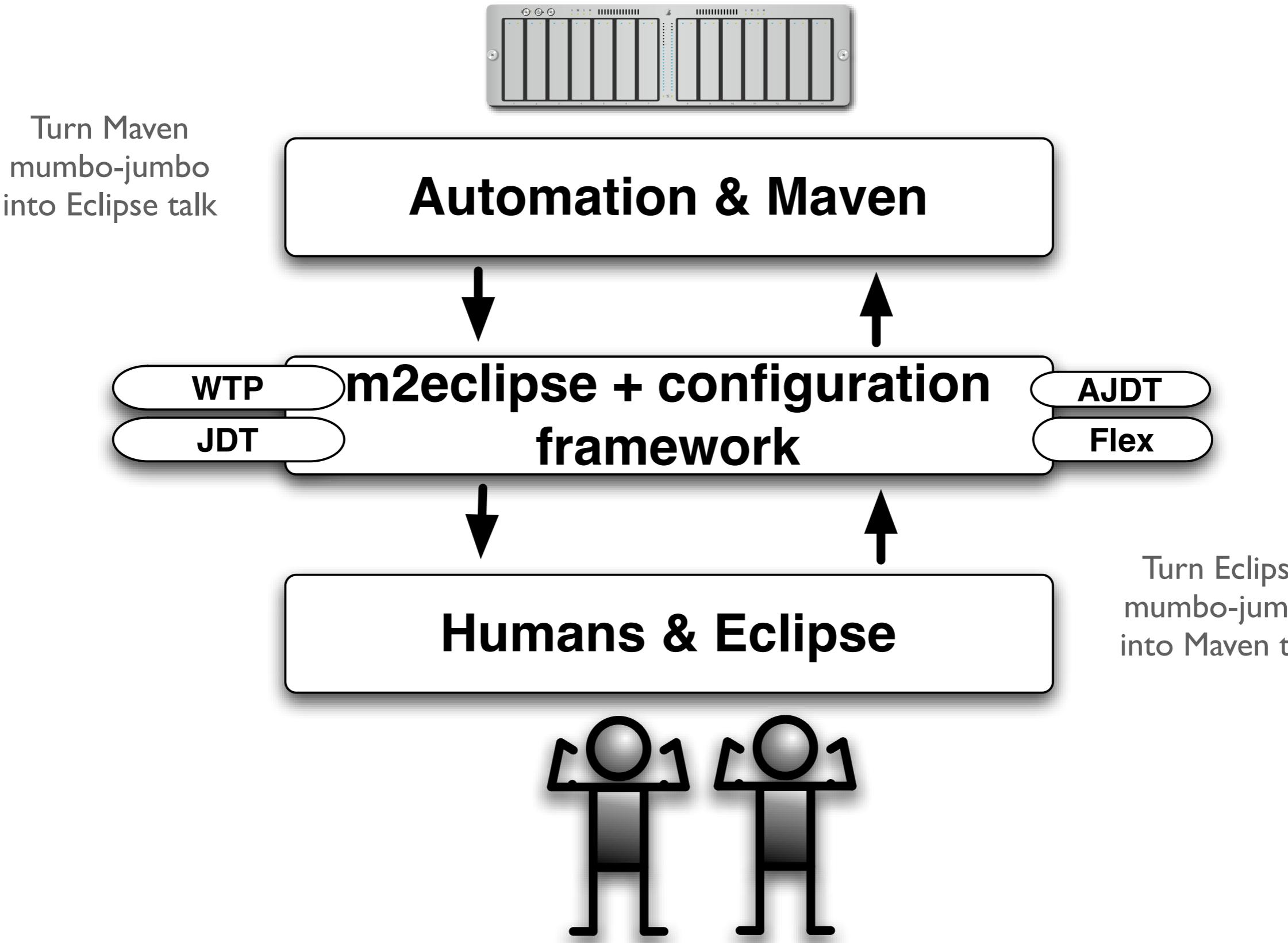
To get started, [download the latest release of Maven Shell 0.10](#).

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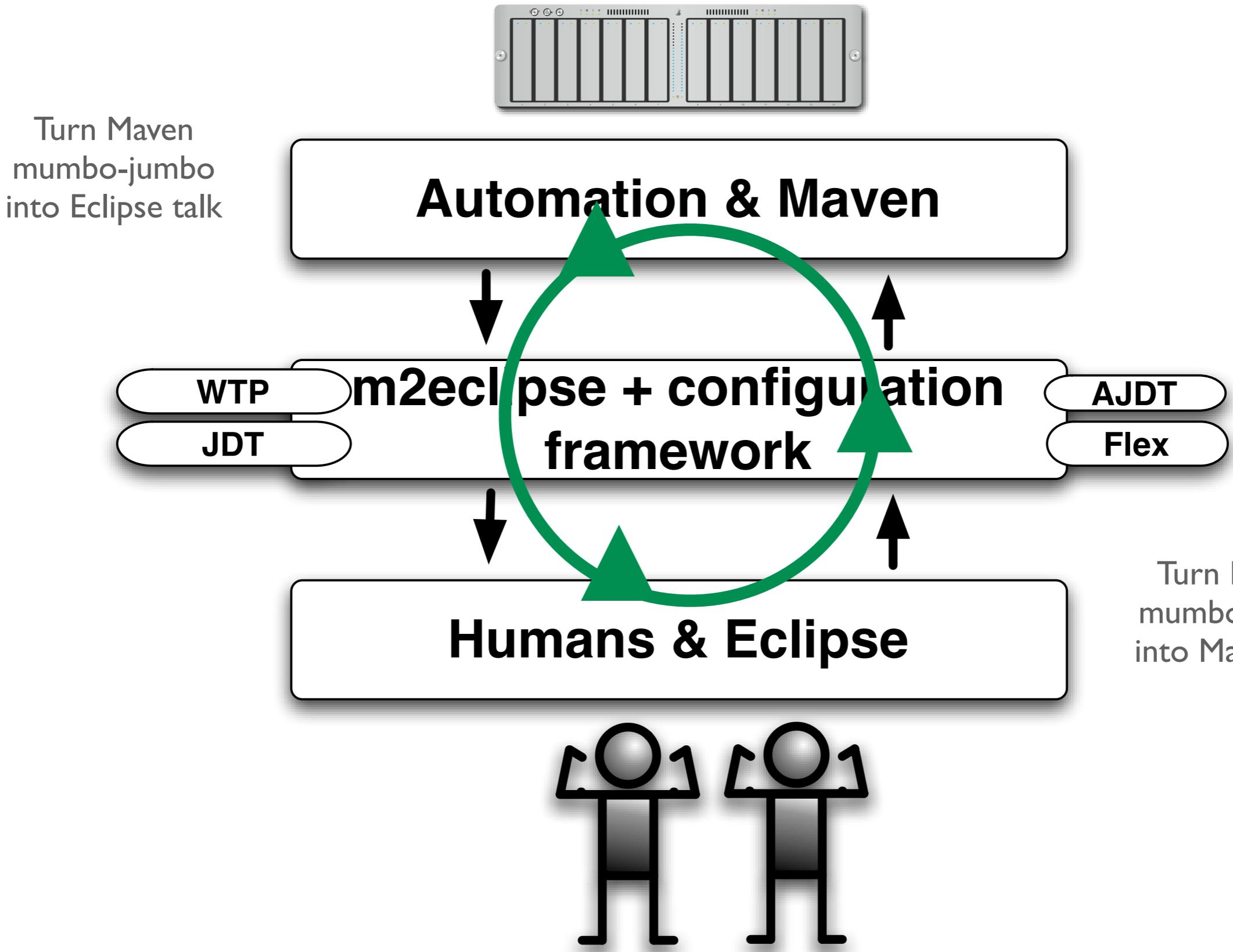




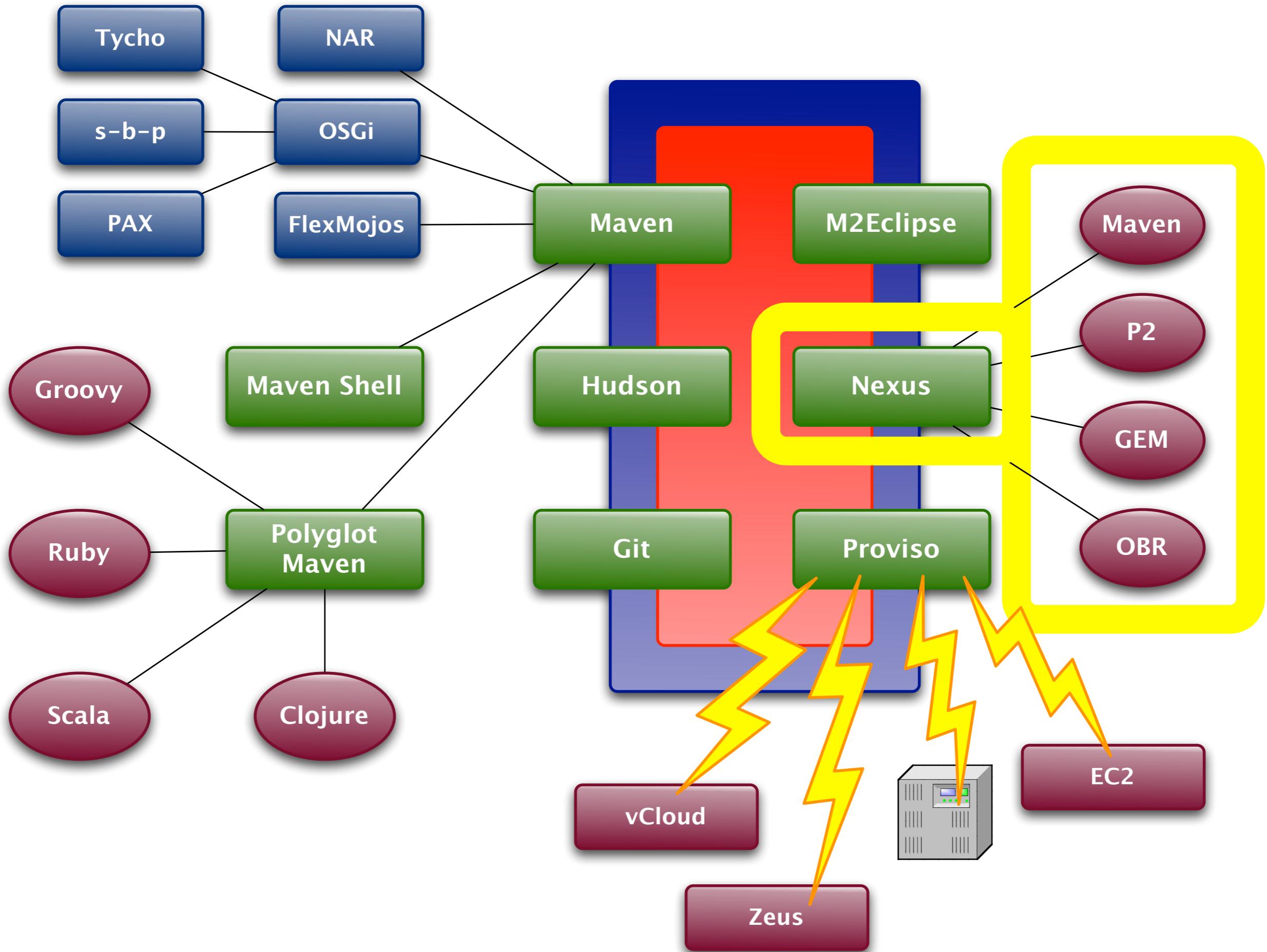
M2Eclipse Configuration Framework



M2Eclipse Configuration Framework

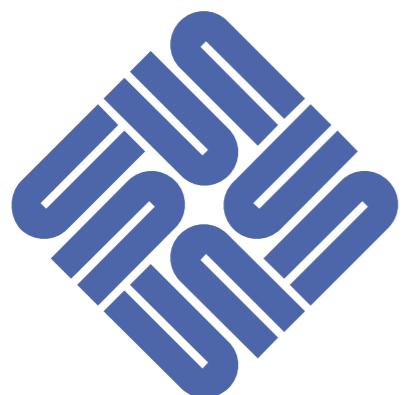


```
<build>
  <plugins>
    <plugin>
      <groupId>org.maven.ide.eclipse</groupId>
      <artifactId>lifecycle-mapping</artifactId>
      <version>0.9.9-SNAPSHOT</version>
      <configuration>
        <mappingId>customizable</mappingId>
        <configurators>
          <configurator id='org.maven.ide.eclipse.jdt.javaConfigurator' />
          <configurator id='org.maven.ide.eclipse.modello.modelloConfigurator' />
          <configurator id='org.maven.ide.eclipse.plexus.annotations.plexusConfigurator' />
        </configurators>
        <mojoExecutions>
          <mojoExecution>org.apache.maven.plugins:maven-resources-plugin::</mojoExecution>
        </mojoExecutions>
      </configuration>
    </plugin>
  </plugins>
</build>
```





The **Apache Software Foundation**
<http://www.apache.org/>



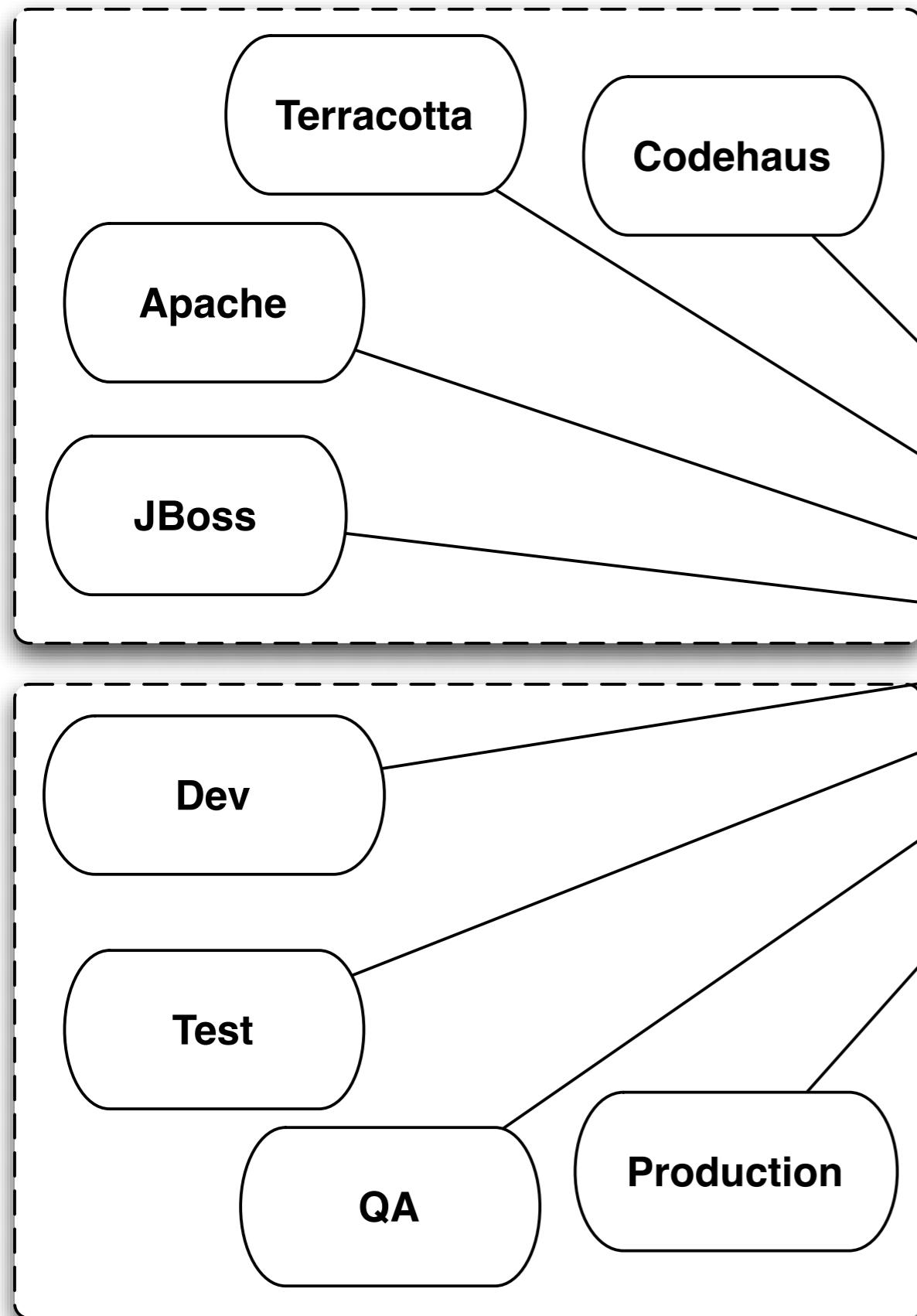
Maven Central



Nexus



Configuration management



Open Source Ghetto

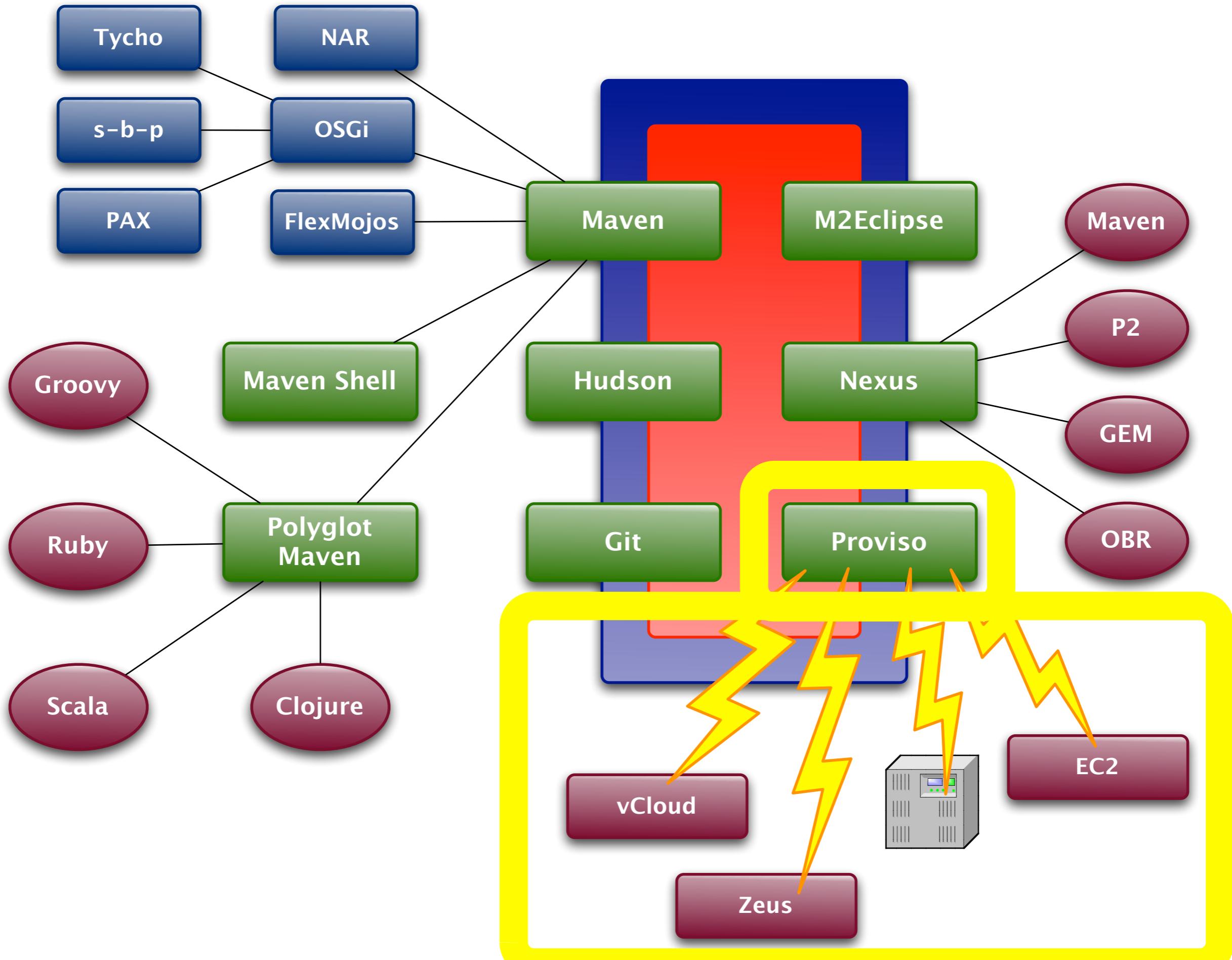
- bad POMs
- repositories in POMs (bad dog!)
- mixed snapshot and release repositories
- incorrect optional dependencies

One repository configuration!

Group

Unified indices
for m2e

Precious
Developers





TUSSELØYPA









Suck less.
Use Maven.