



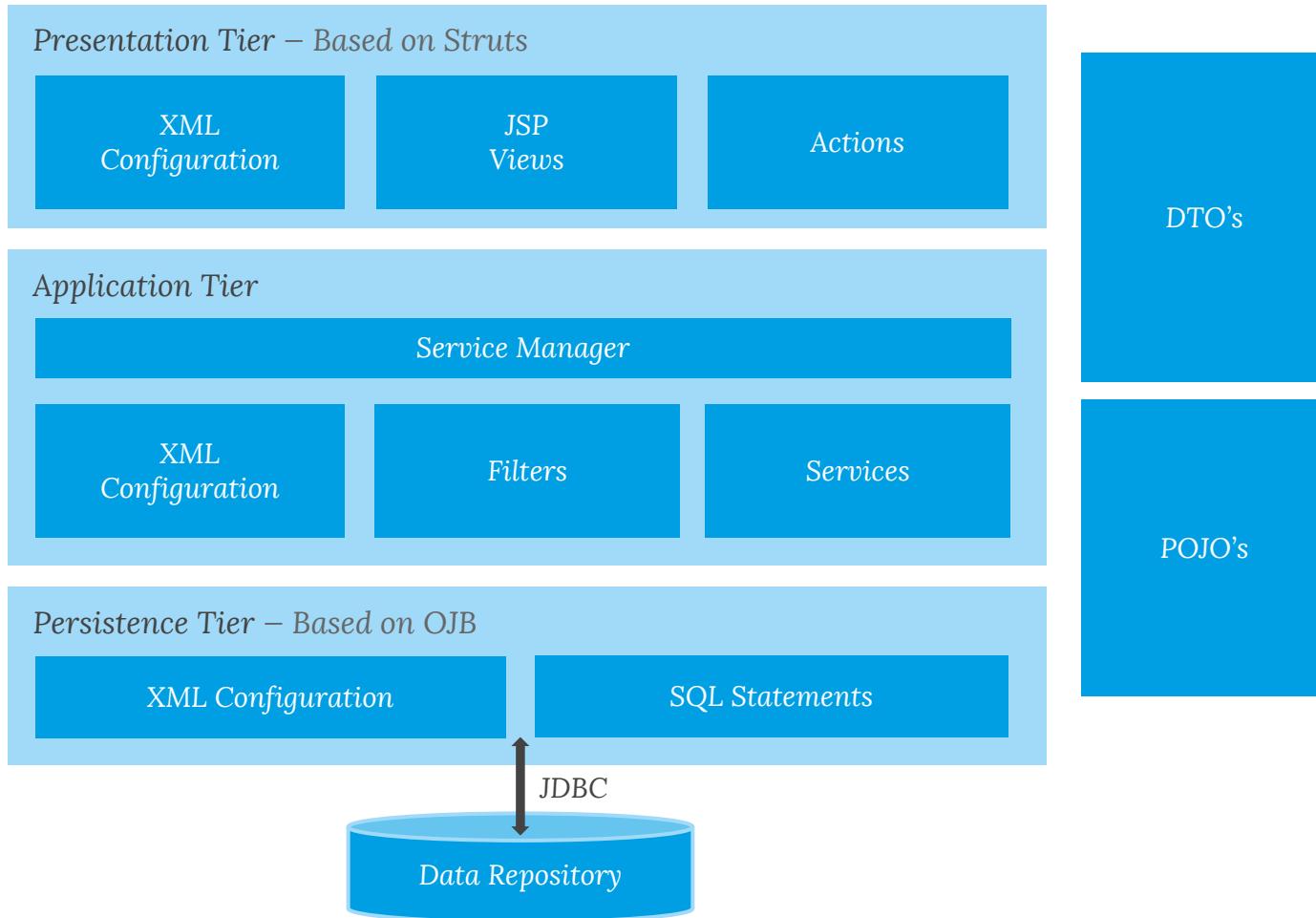
FenixEdu™

Under Construction
(Software Architects Needed)



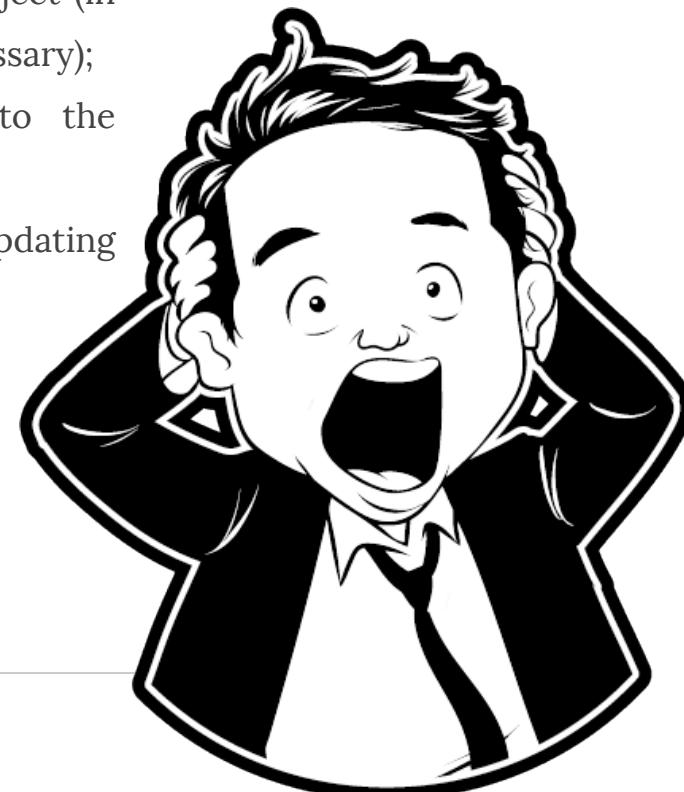


So where were we 12 Years ago?



A New Feature in 11 “Simple” Steps

1. Create a POJO to represent the domain object;
2. Write the SQL schema to store the domain object;
3. Write the xml configuration to map the POJO against the SQL schema;
4. Write SQL statements for custom reading of the domain object (in case something other than a read by ID or a read all was necessary);
5. Create data transfer objects for passing information to the presentation tier;
6. Write services at the application level for creating, reading, updating and deleting the domain object;
7. Write access control filters to limit who can invoke services;
8. Write service and filter configurations in a xml file;
9. Create JSP views for presenting information to the users;
10. Write Actions to handle user requests;
11. Configure struts xml files to specify the application flow.

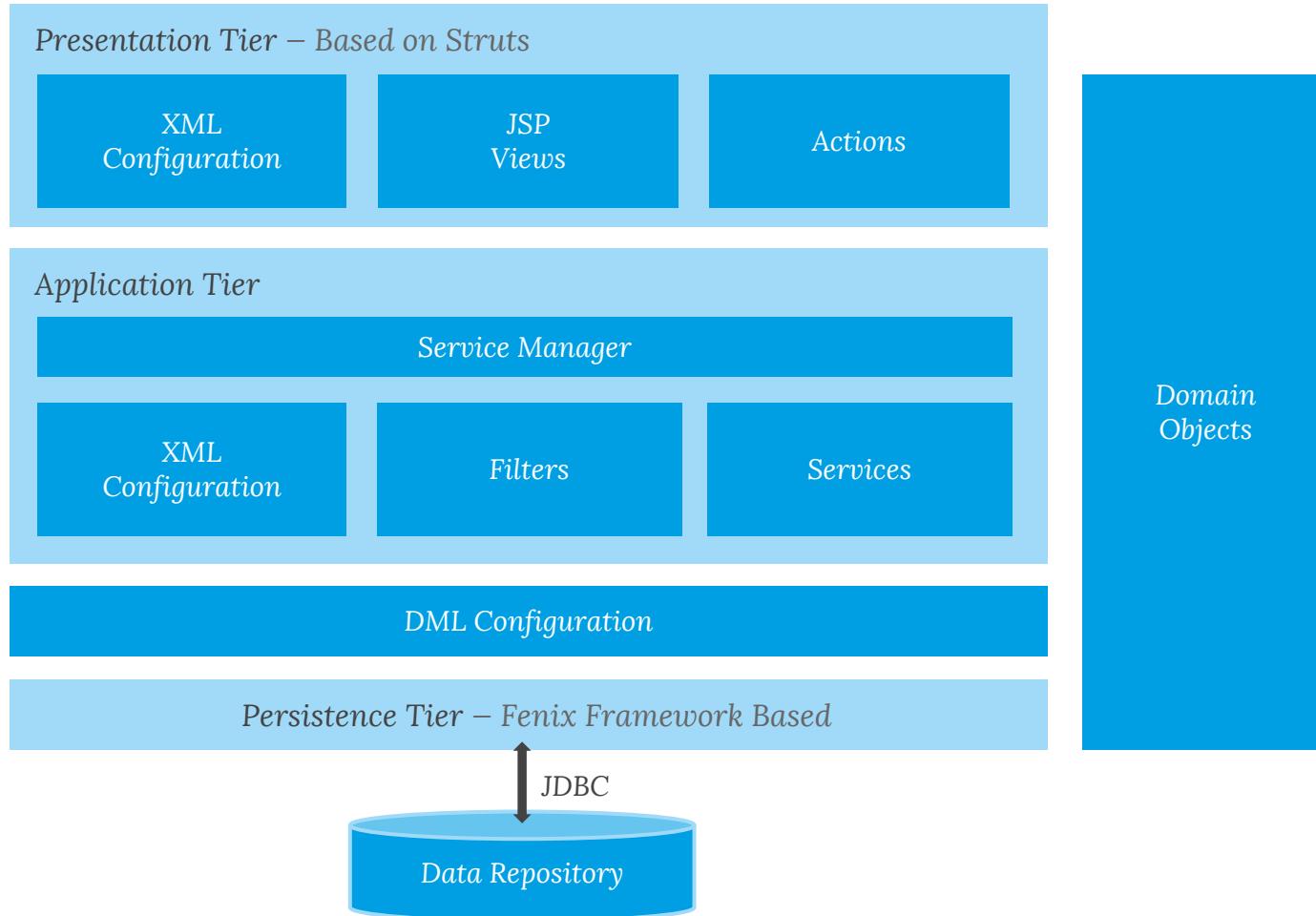


A Software Architect was “commissioned”

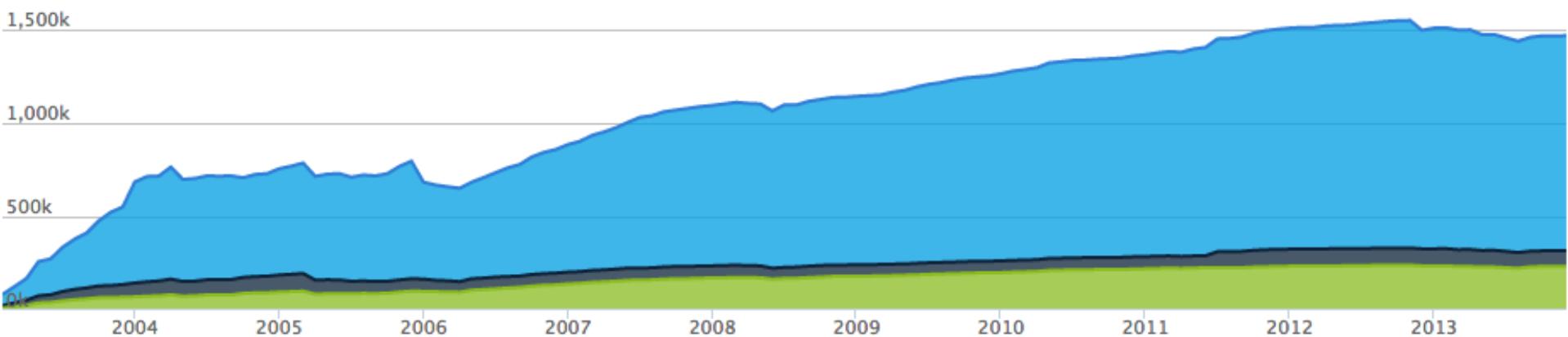


Prof. João Cachopo

Introducing the Fenix Framework



Lines of Code, Over the Years



🔗 <http://www.ohloh.net/p/fenixedu>

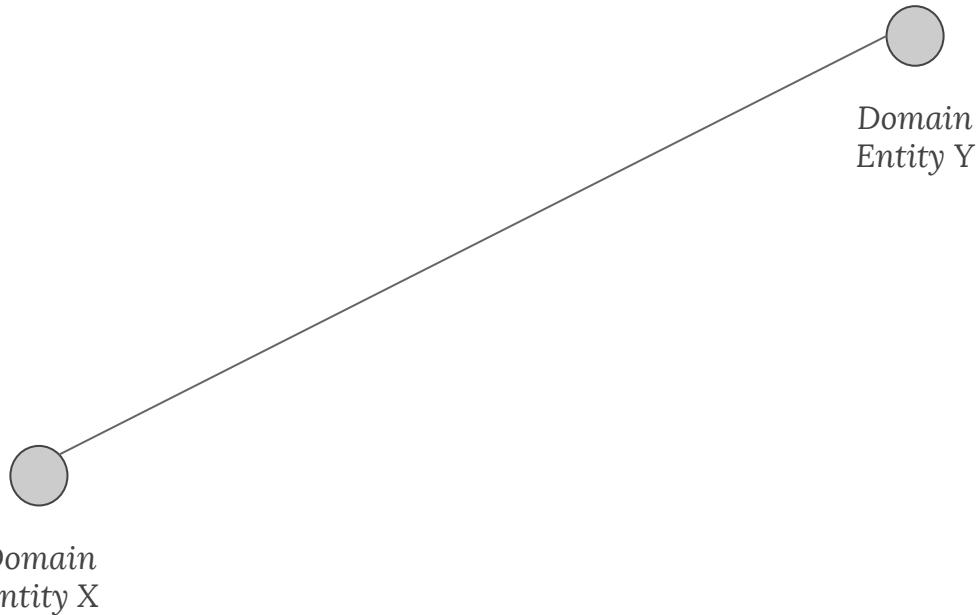


*Domain
Entity Y*



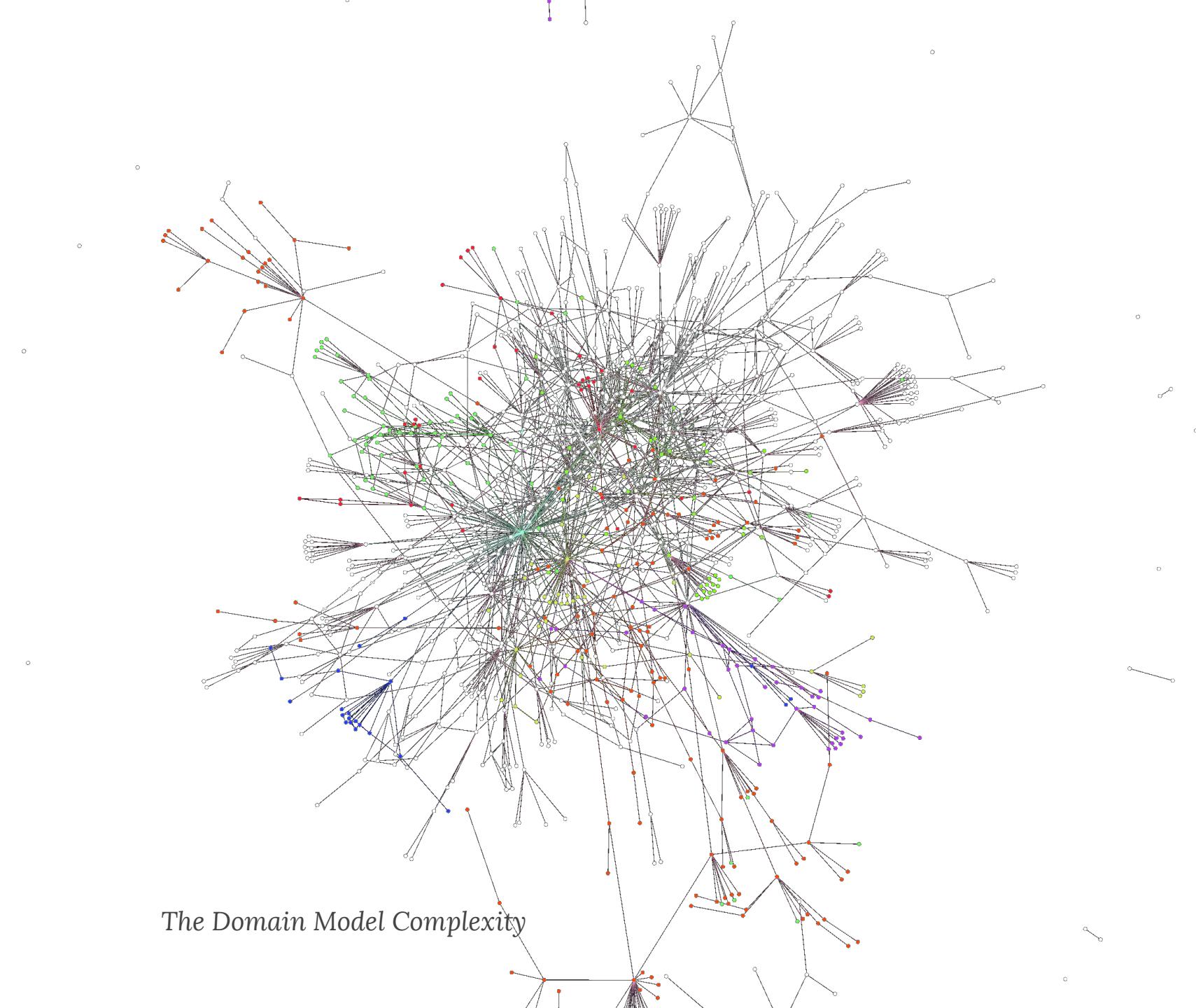
*Domain
Entity X*

The Domain Model Complexity

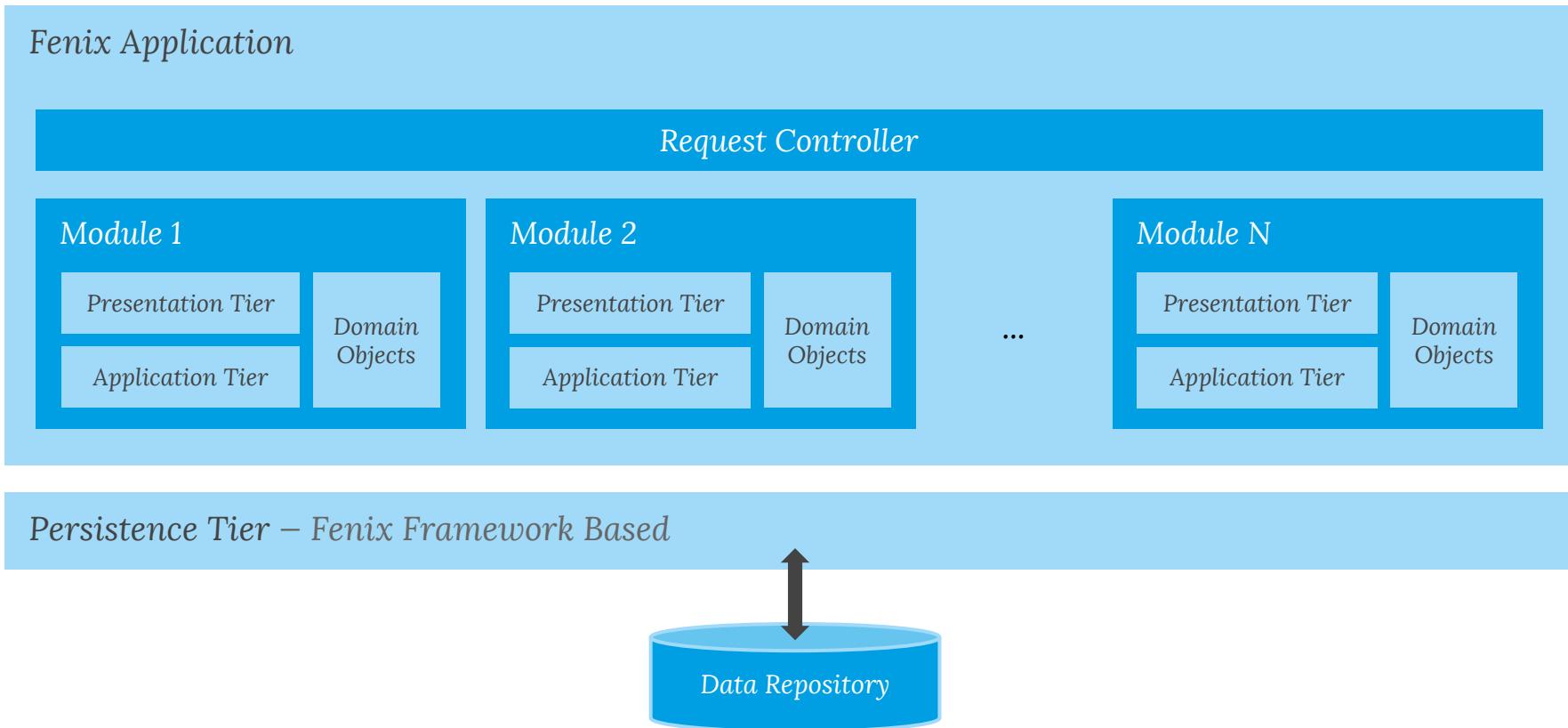


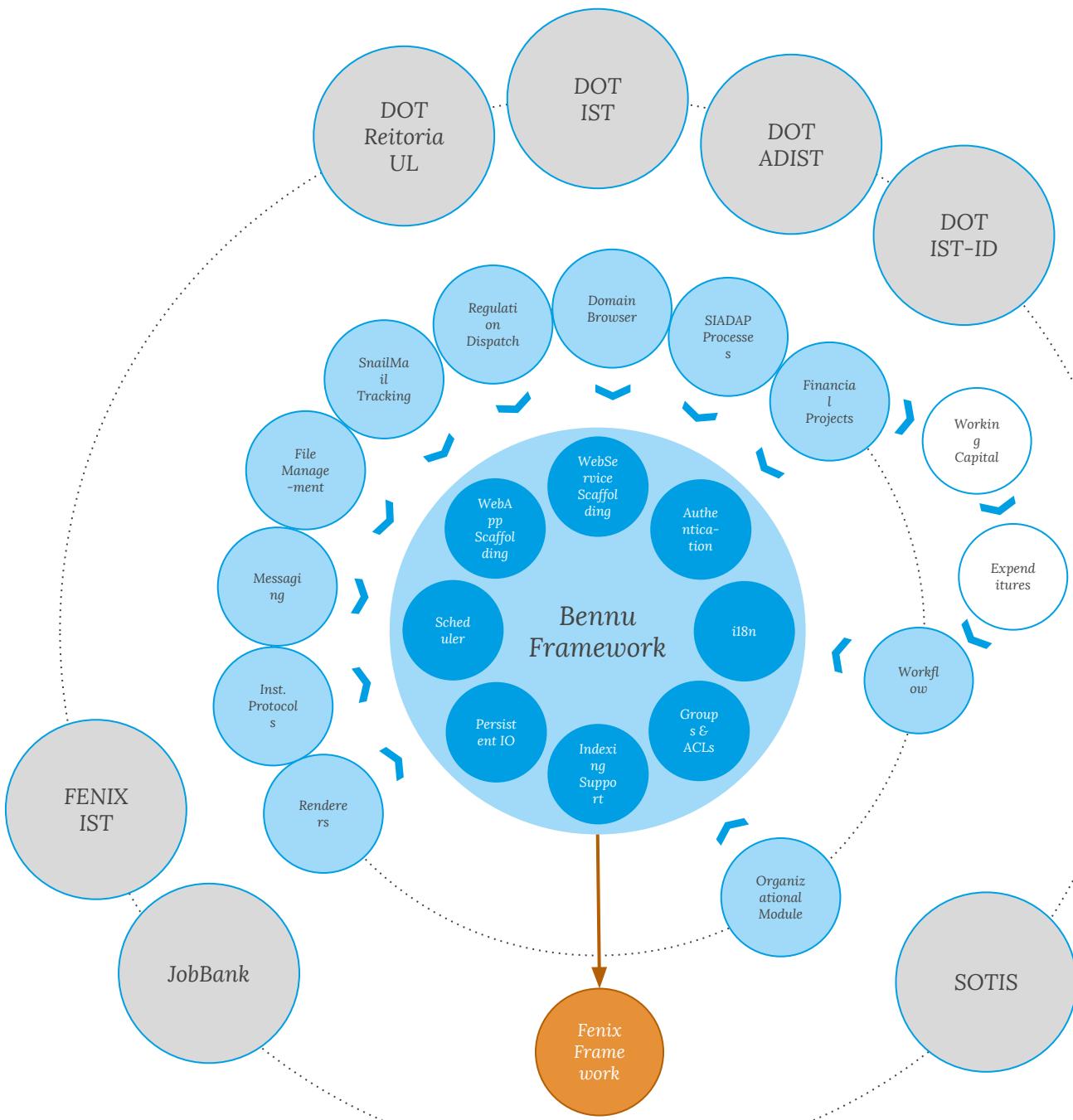
The Domain Model Complexity

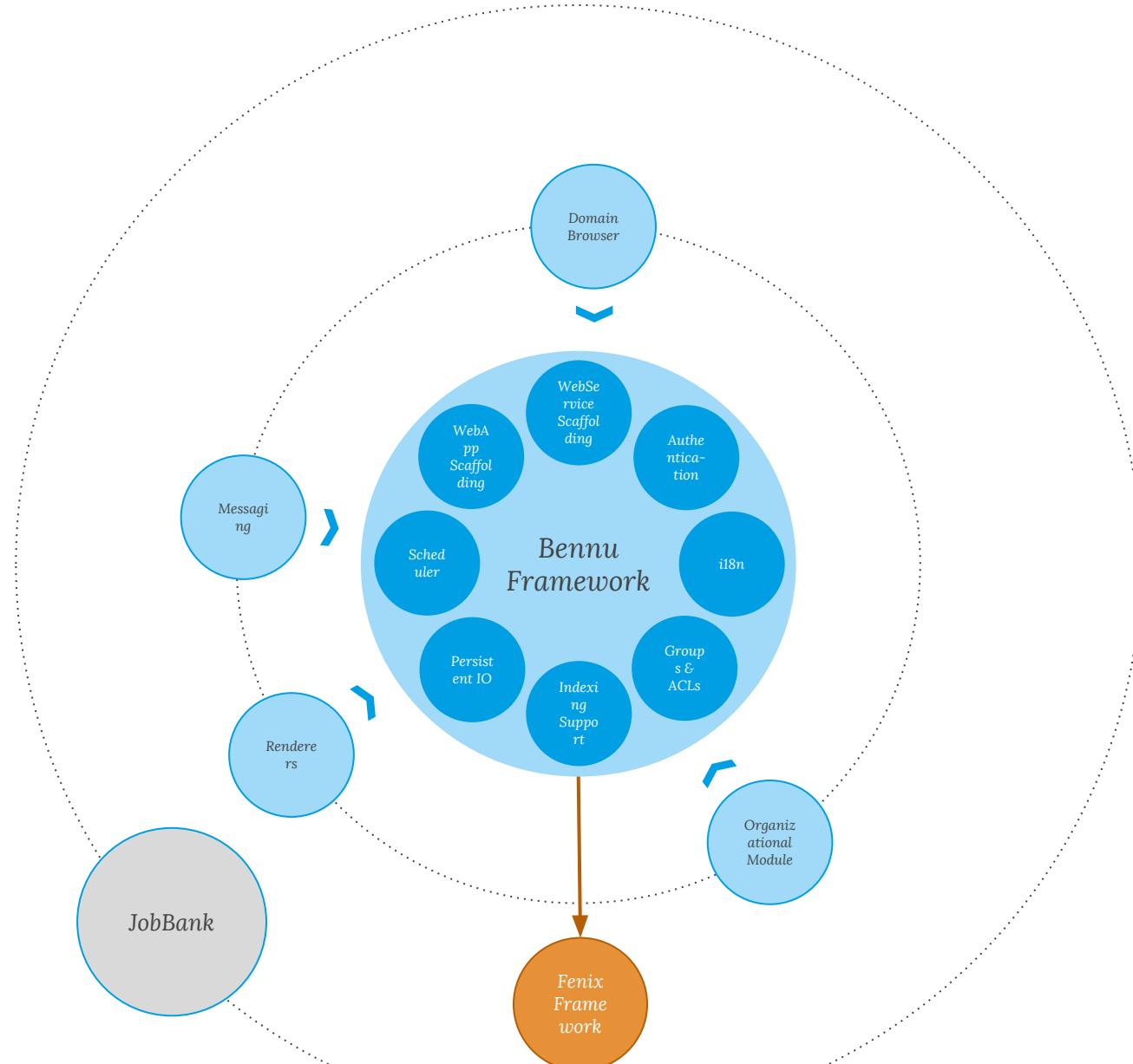
The Domain Model Complexity

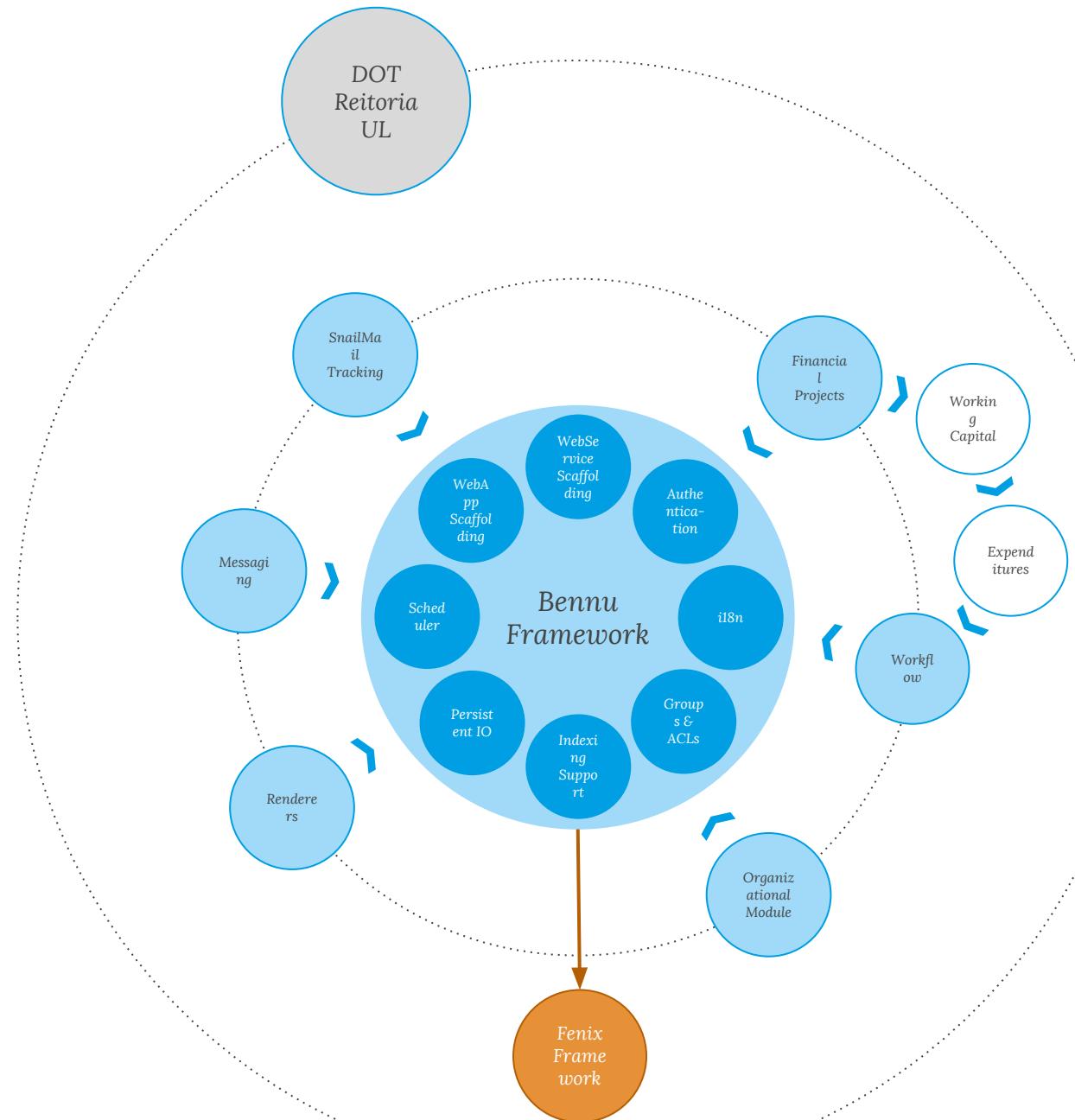


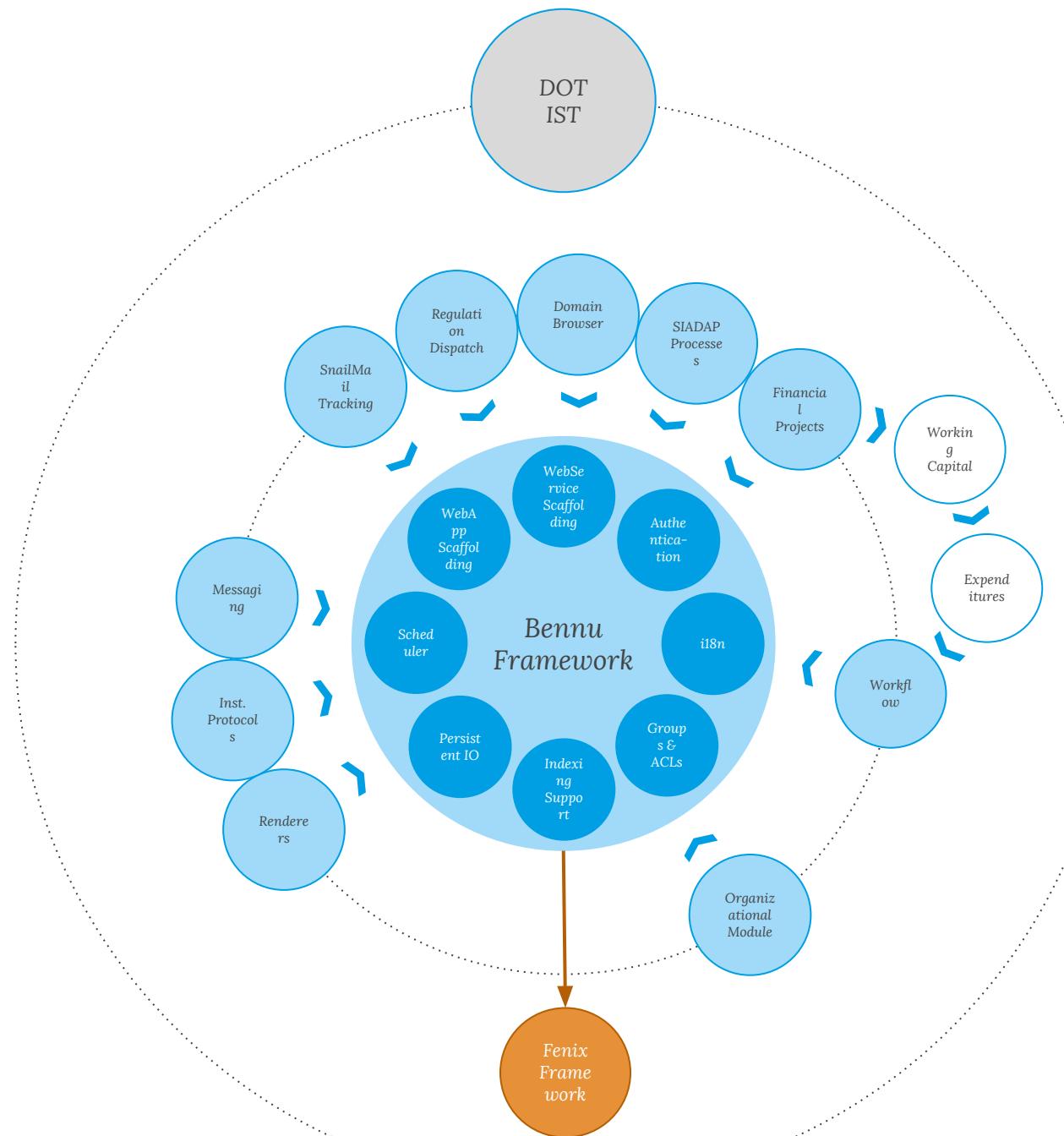
FenixEdu on Modules

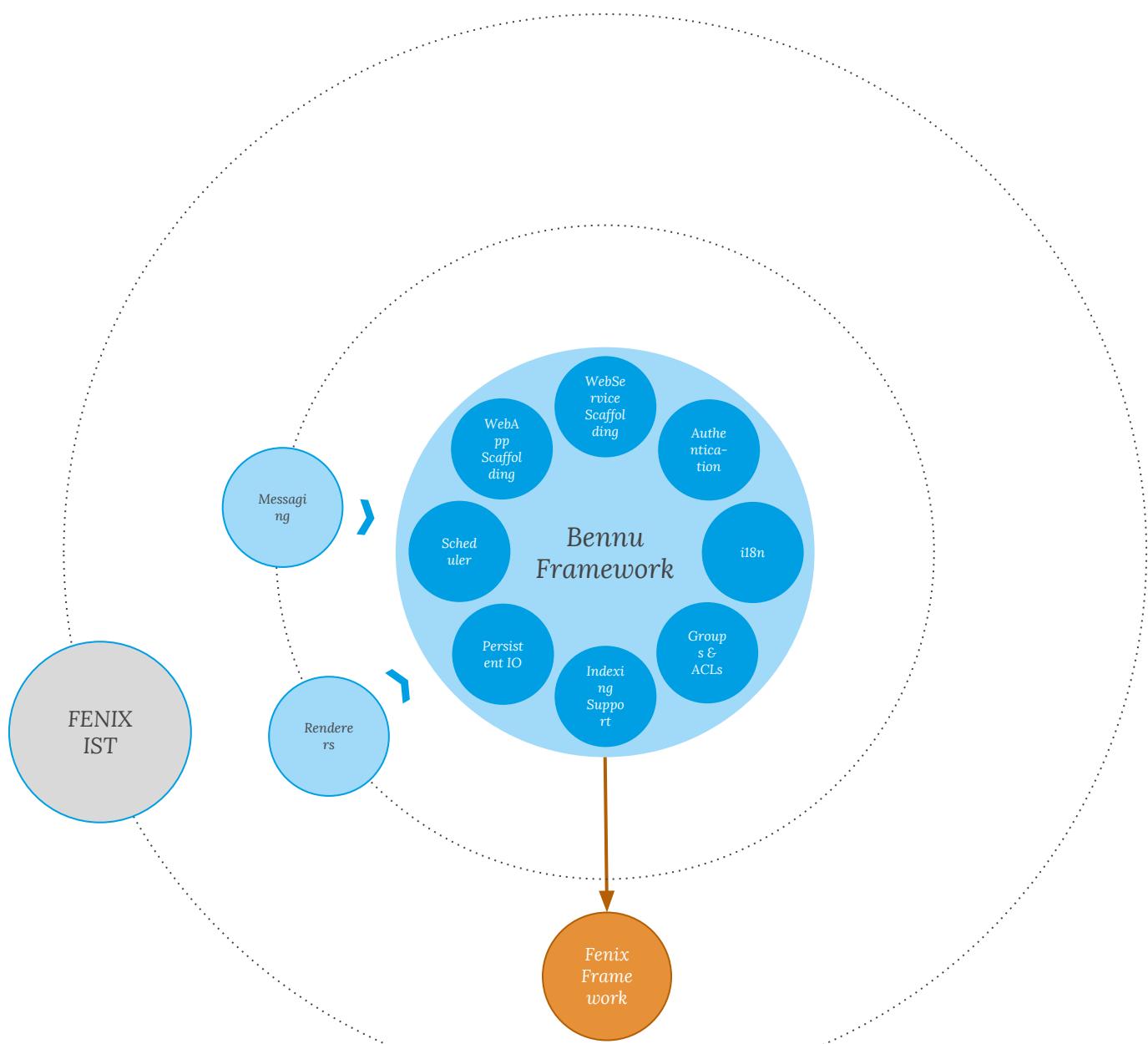


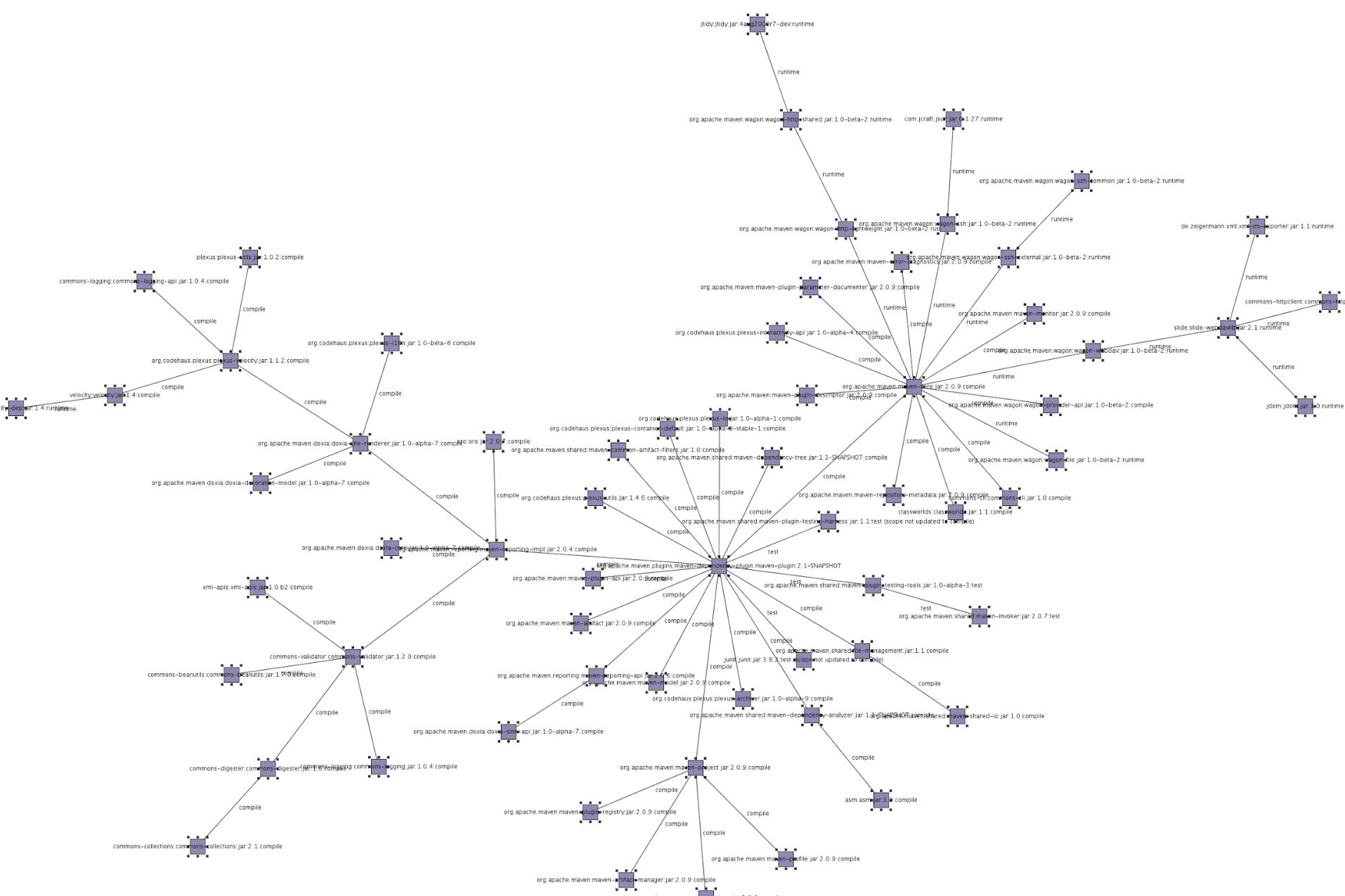






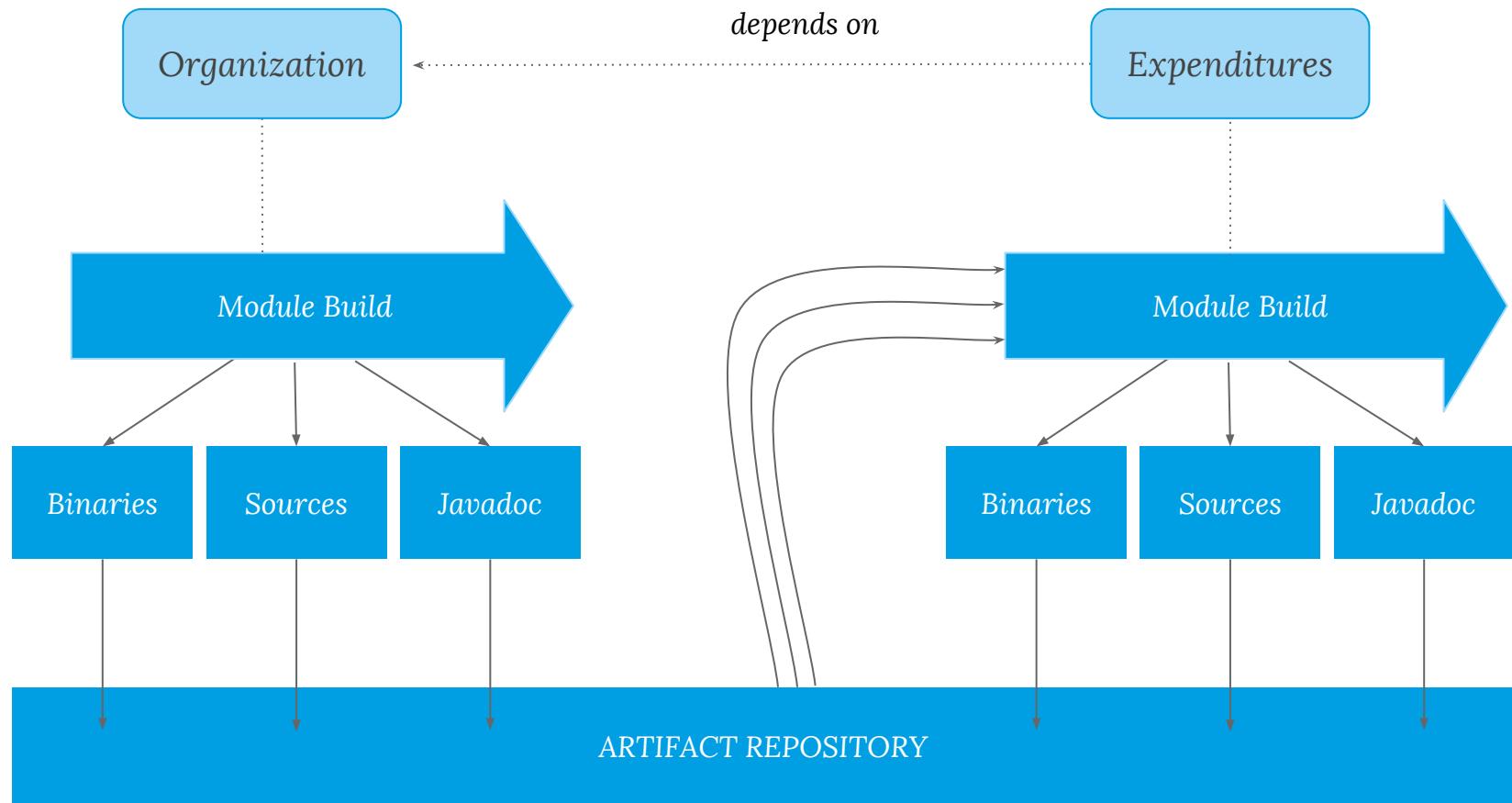






Dependency Nightmare

Artifact Dependency Management

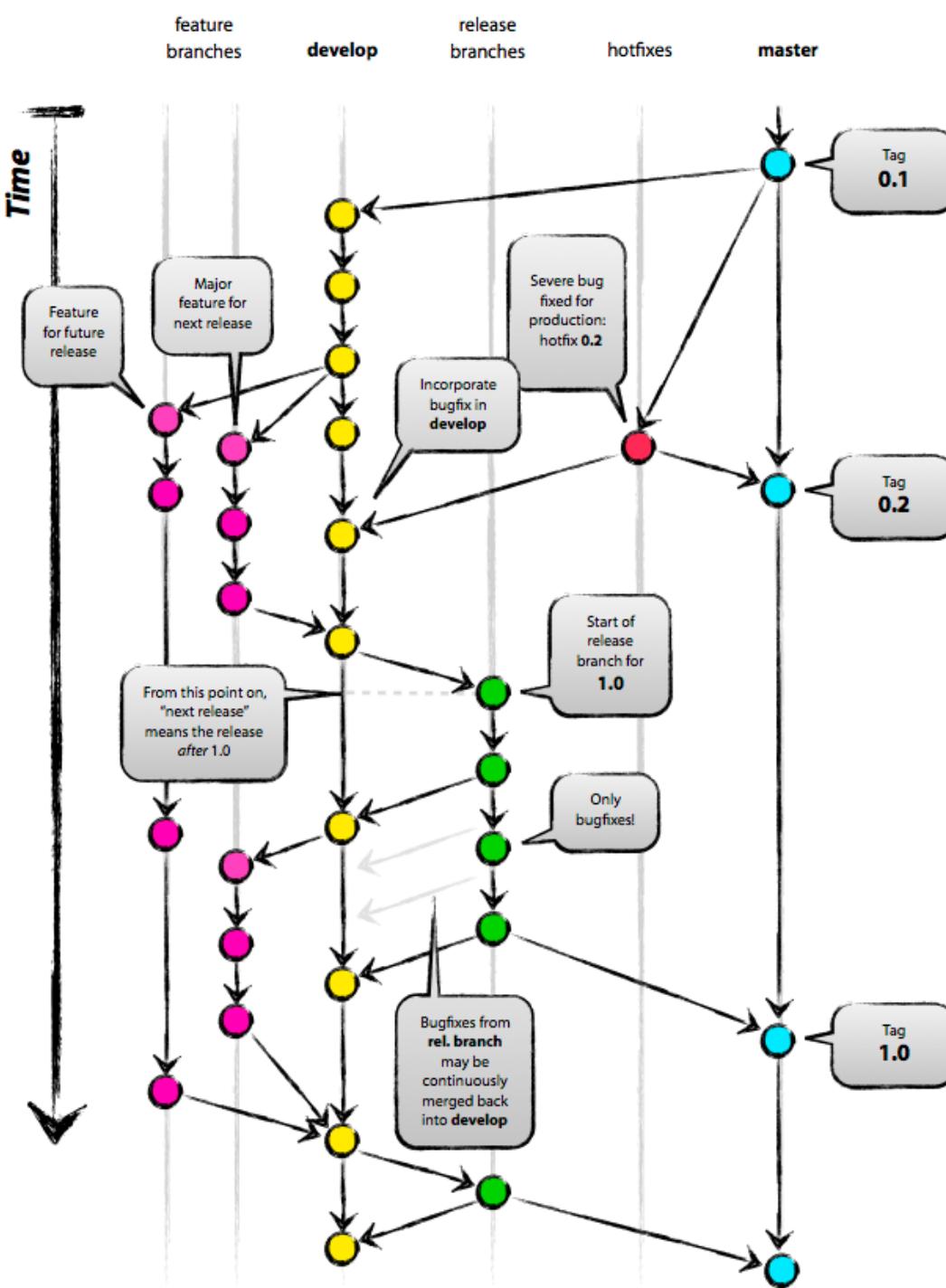


Semantic Versioning

version Major.Minor.Patch

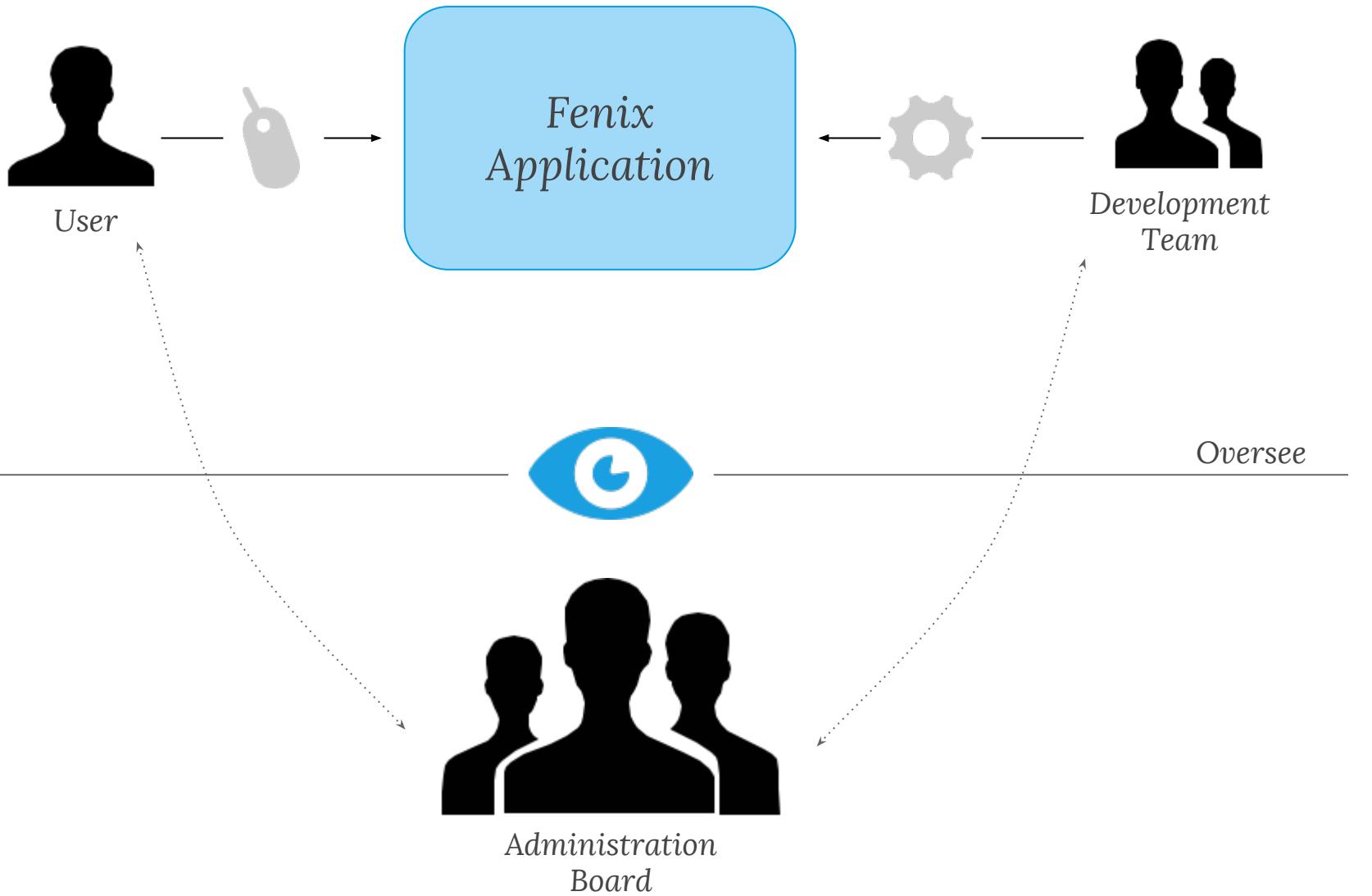
- ✓ Major Version
 - when you make incompatible API changes
- ✓ Minor Version
 - when you add functionality in a backwards-compatible manner
- ✓ Patch Version
 - when you make backwards-compatible bug fixes

GitFlow

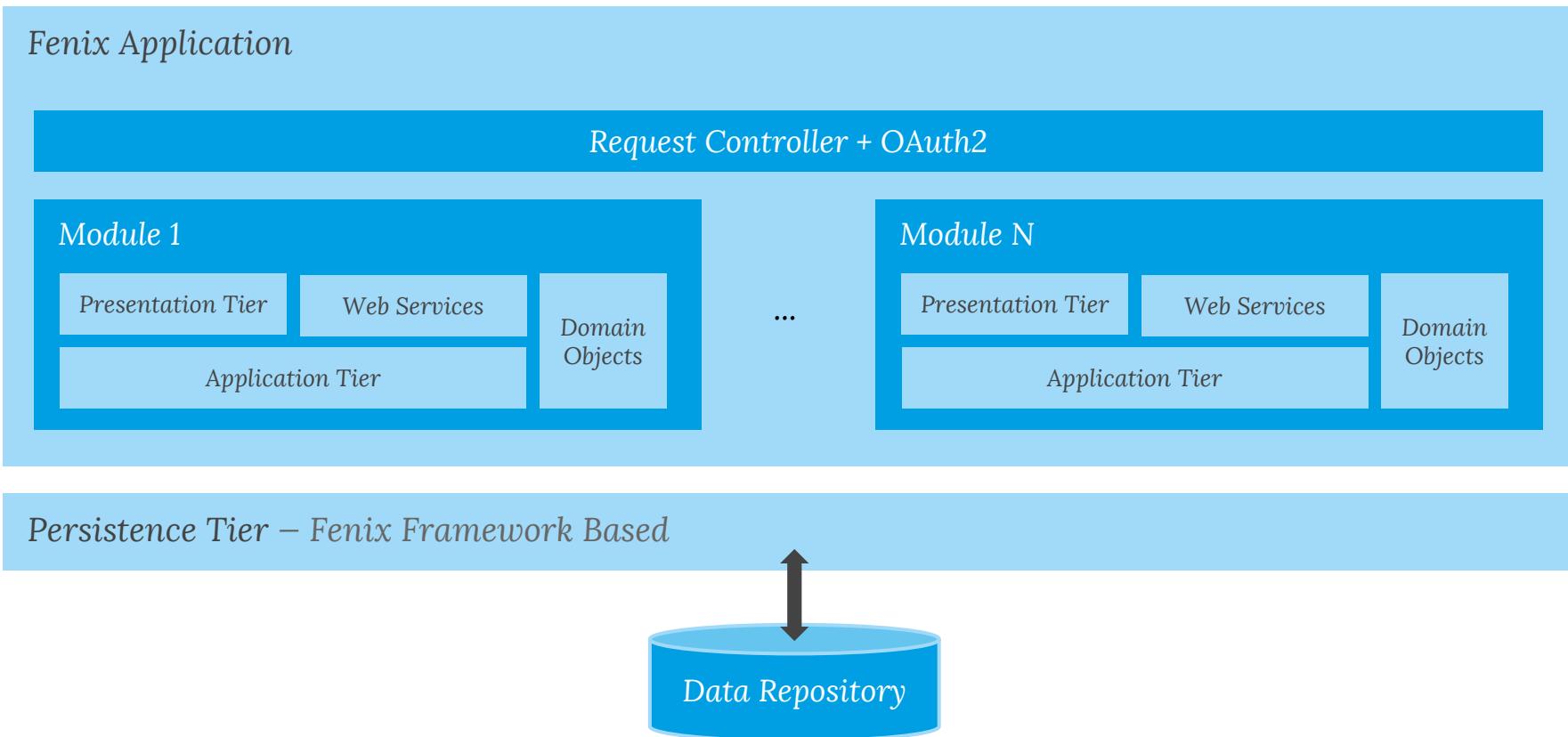


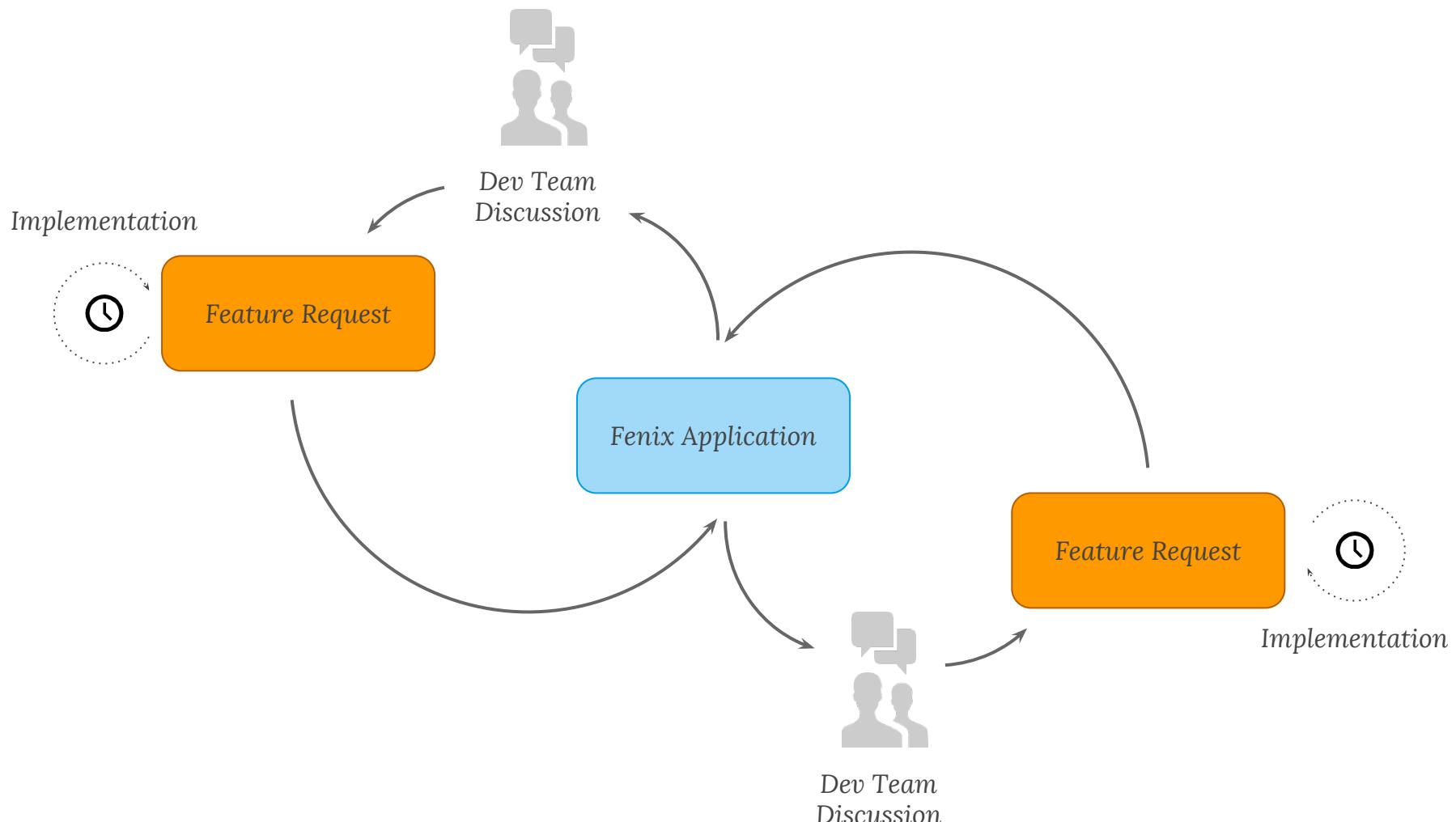


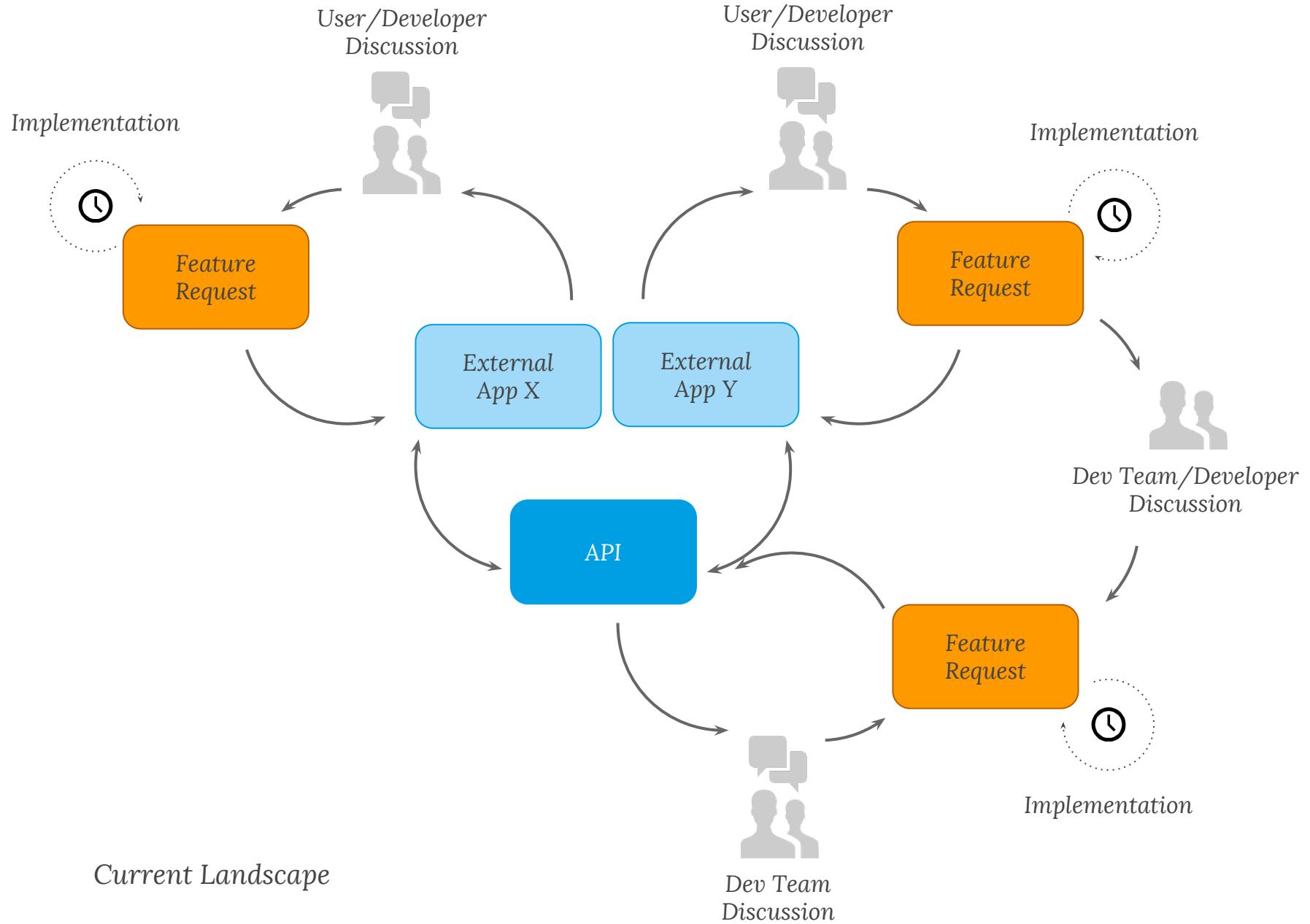
Github Pull Requests

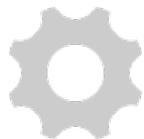


Fenix meets REST API

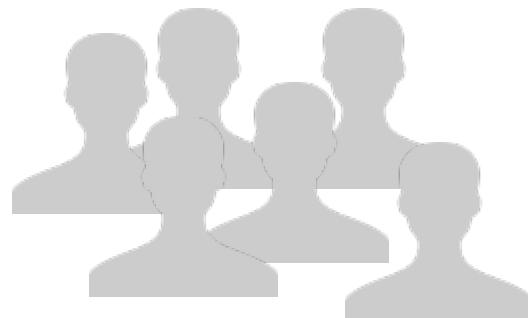








Fenix
Application





Users



Development Team



Community

Join Us

http://fenixedu.org/dev



github.com/fenixedu



facebook.com/fenixedu



hello@fenixedu.org

FenixEdu Ignition

http://fenixedu.org/ignition



28th February 2014



Campus Alameda & TagusPark

Thank You

Q&A