



FenixEdu™

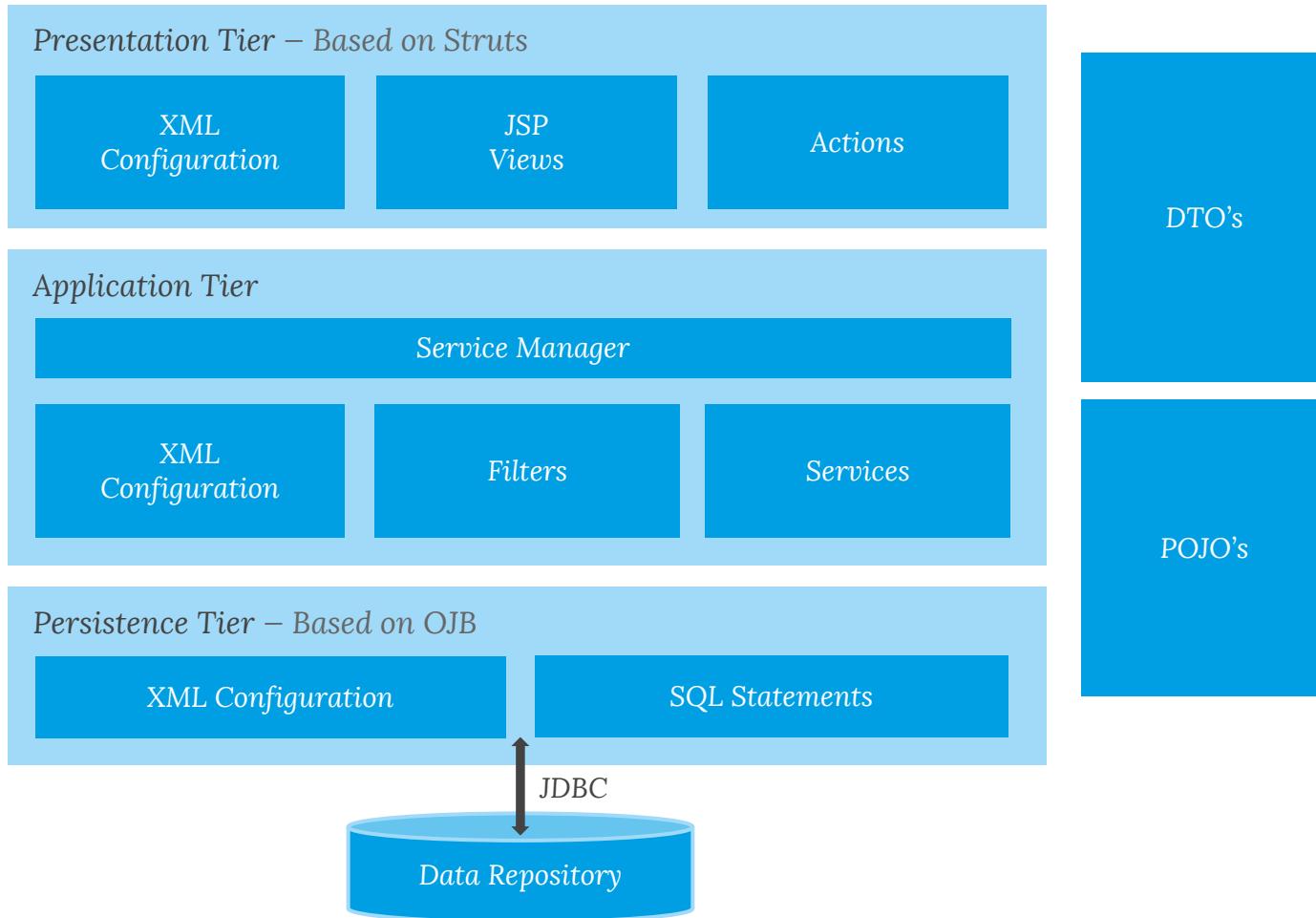
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Under Construction  
(Software Architects Needed)



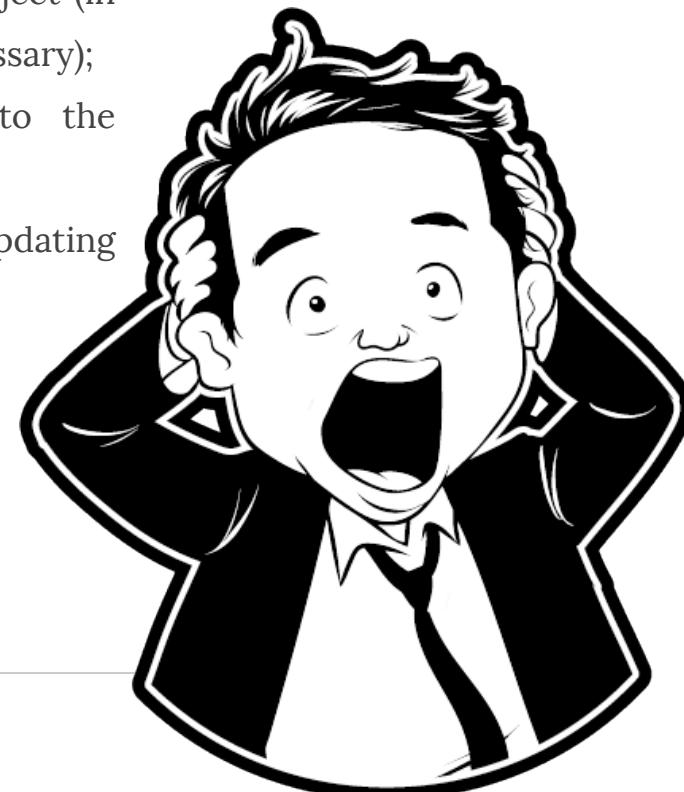


# So where were we 12 Years ago?

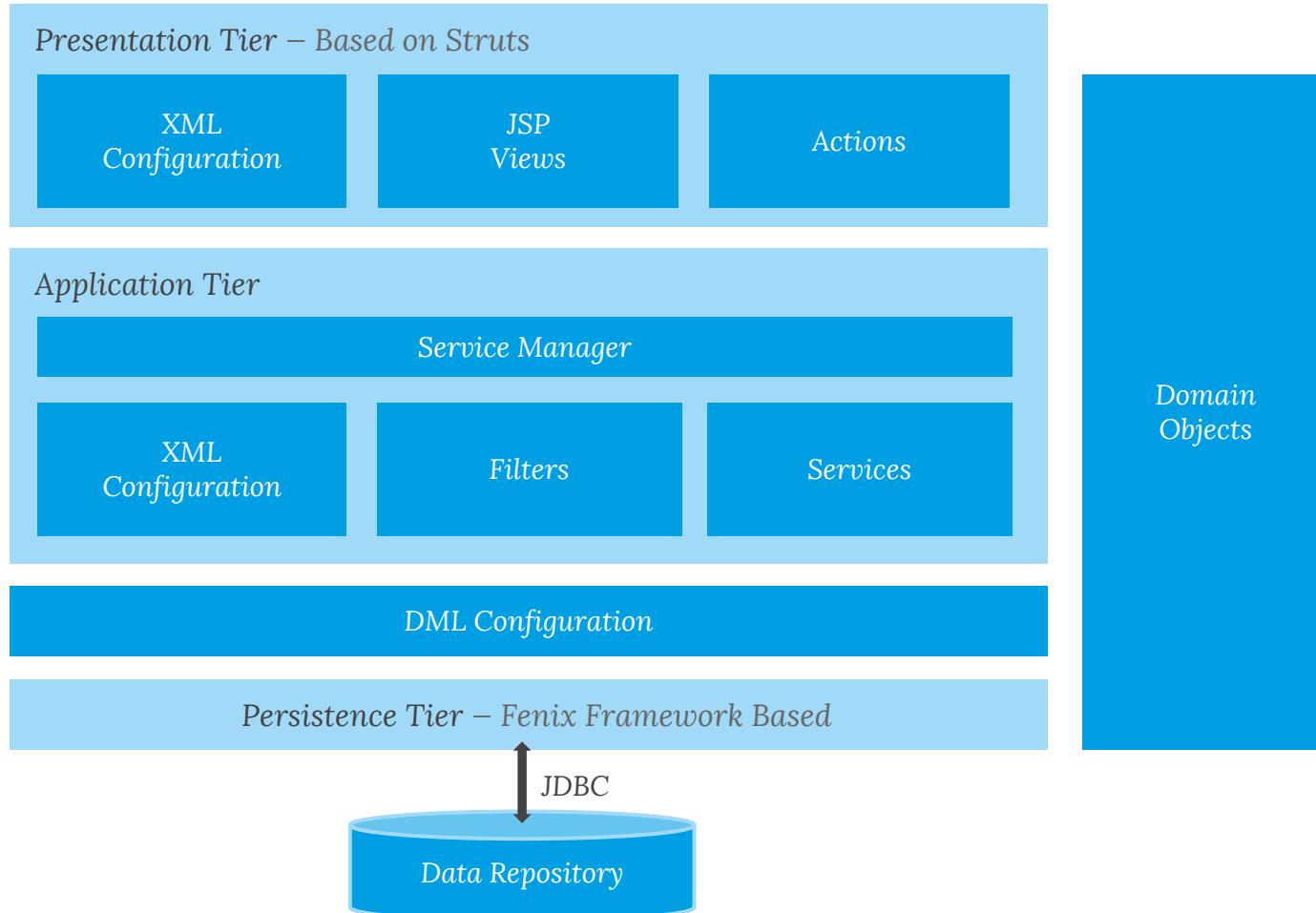


# A New Feature in 11 “Simple” Steps

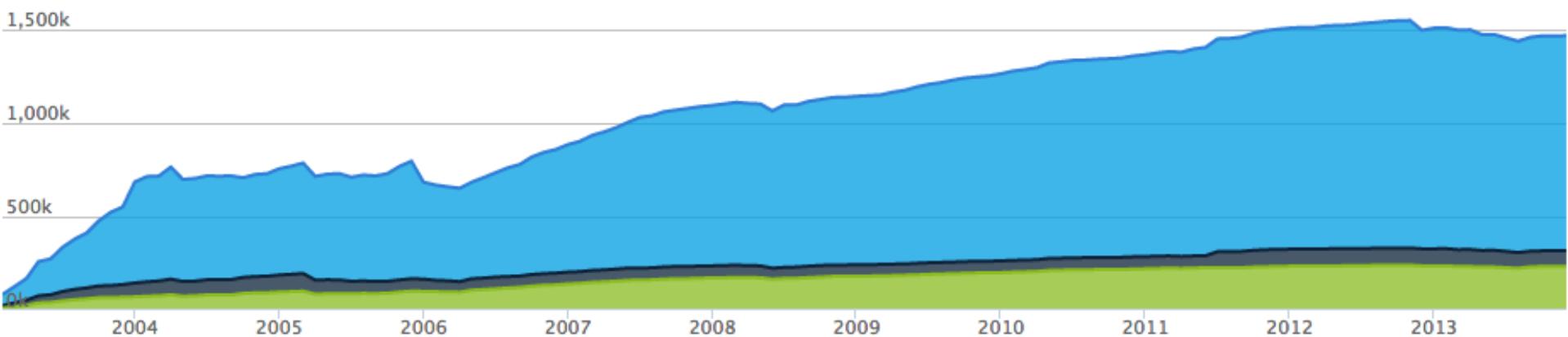
1. Create a POJO to represent the domain object;
2. Write the SQL schema to store the domain object;
3. Write the xml configuration to map the POJO against the SQL schema;
4. Write SQL statements for custom reading of the domain object (in case something other than a read by ID or a read all was necessary);
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.



# Introducing the Fenix Framework



# Lines of Code, Over the Years



🔗 <http://www.ohloh.net/p/fenixedu>

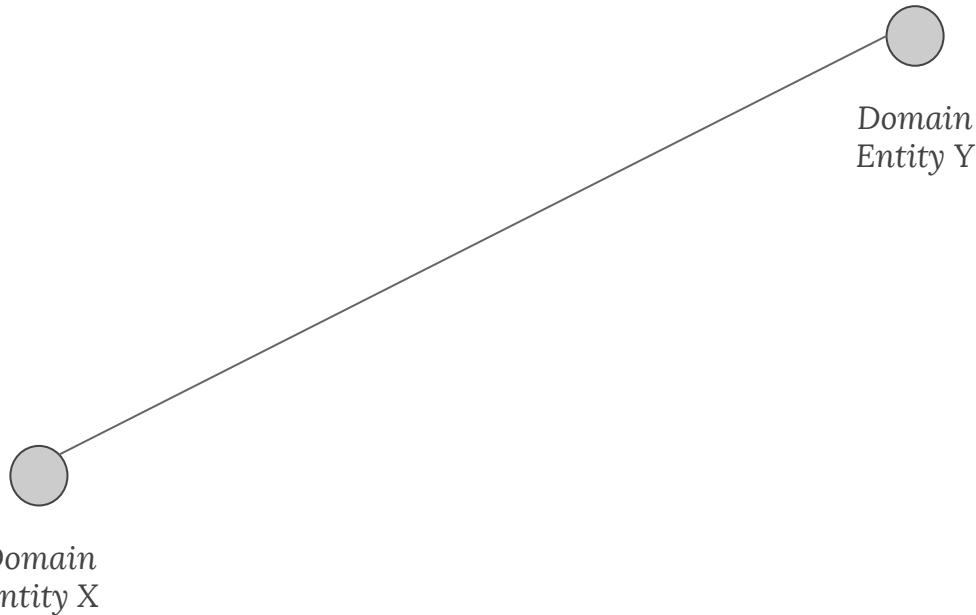


*Domain  
Entity Y*



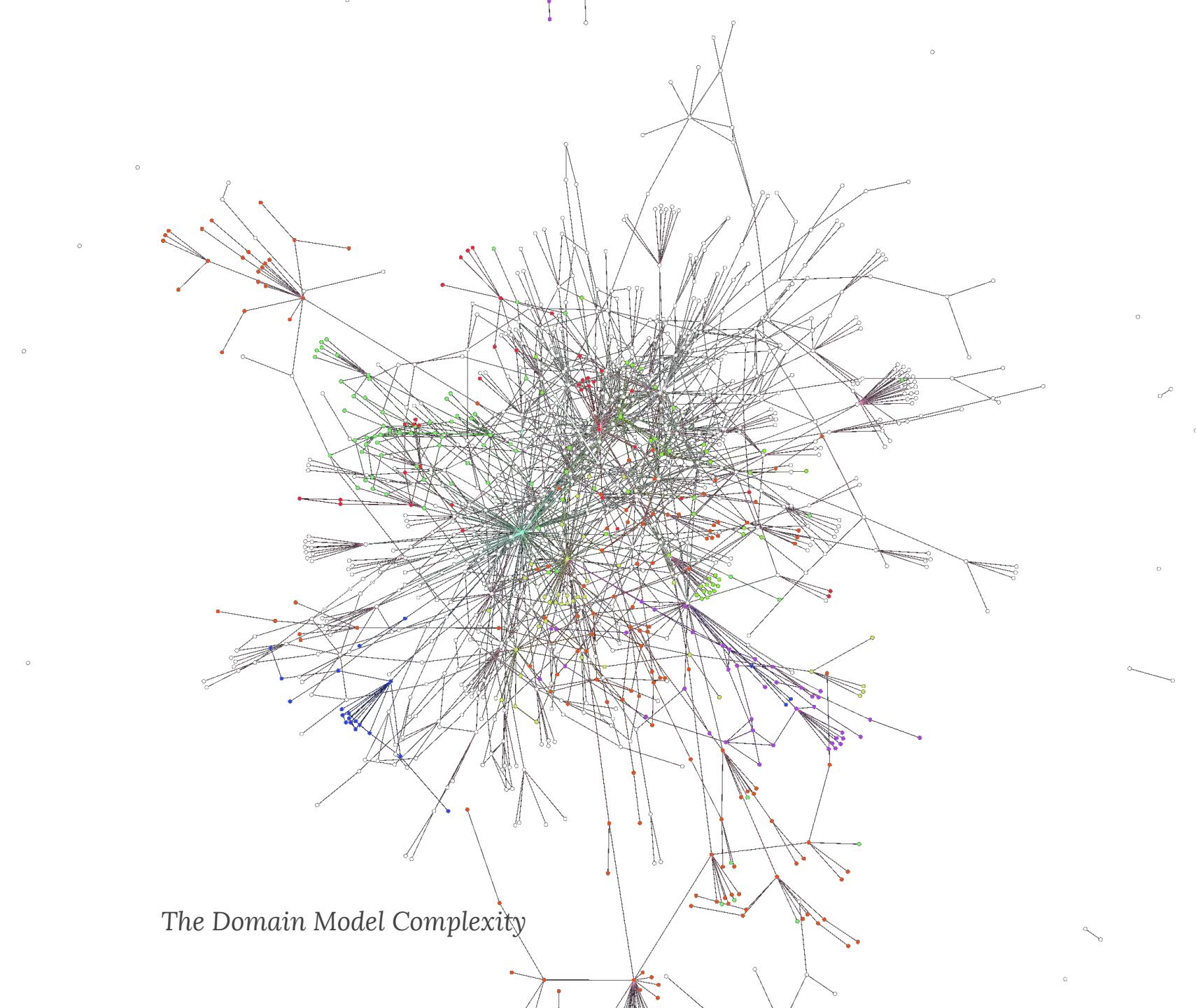
*Domain  
Entity X*

*The Domain Model Complexity*

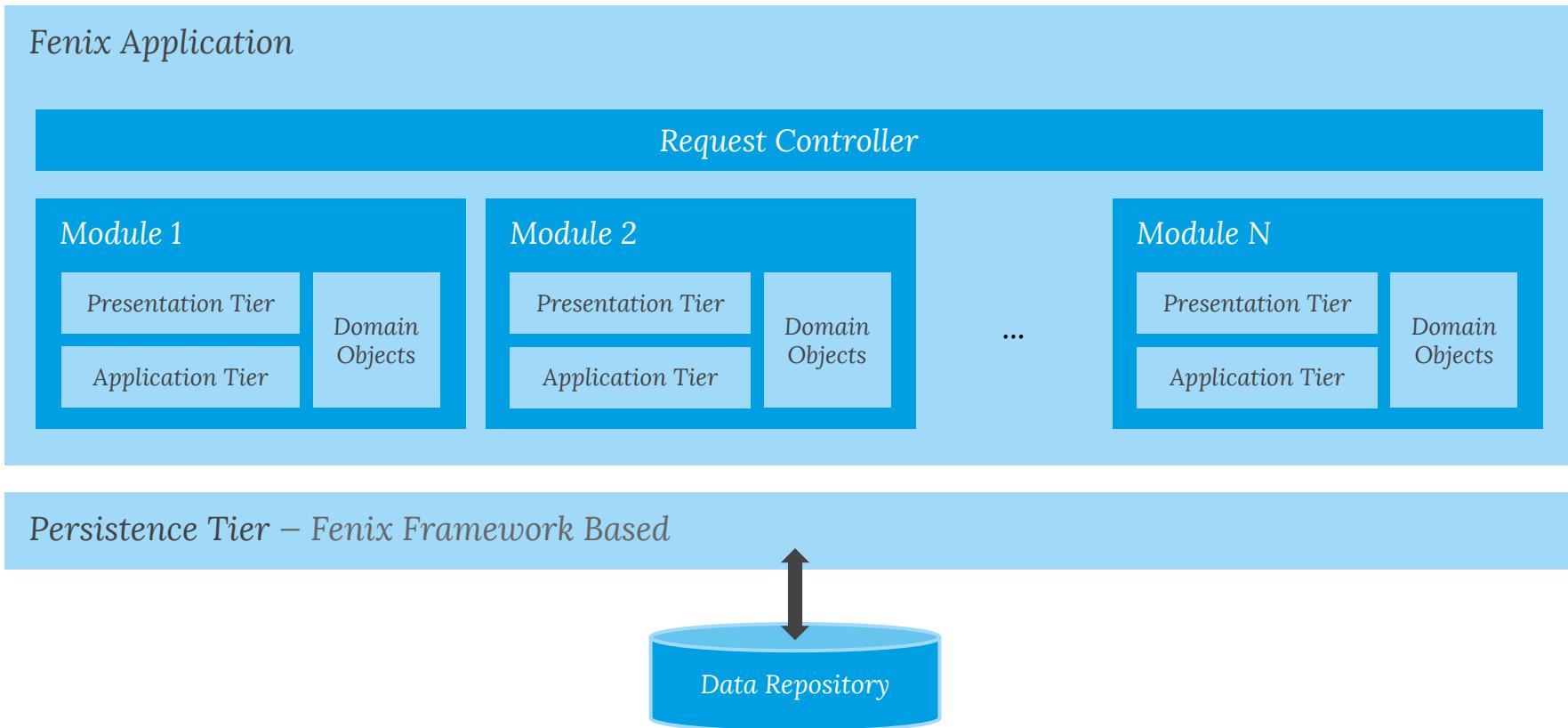


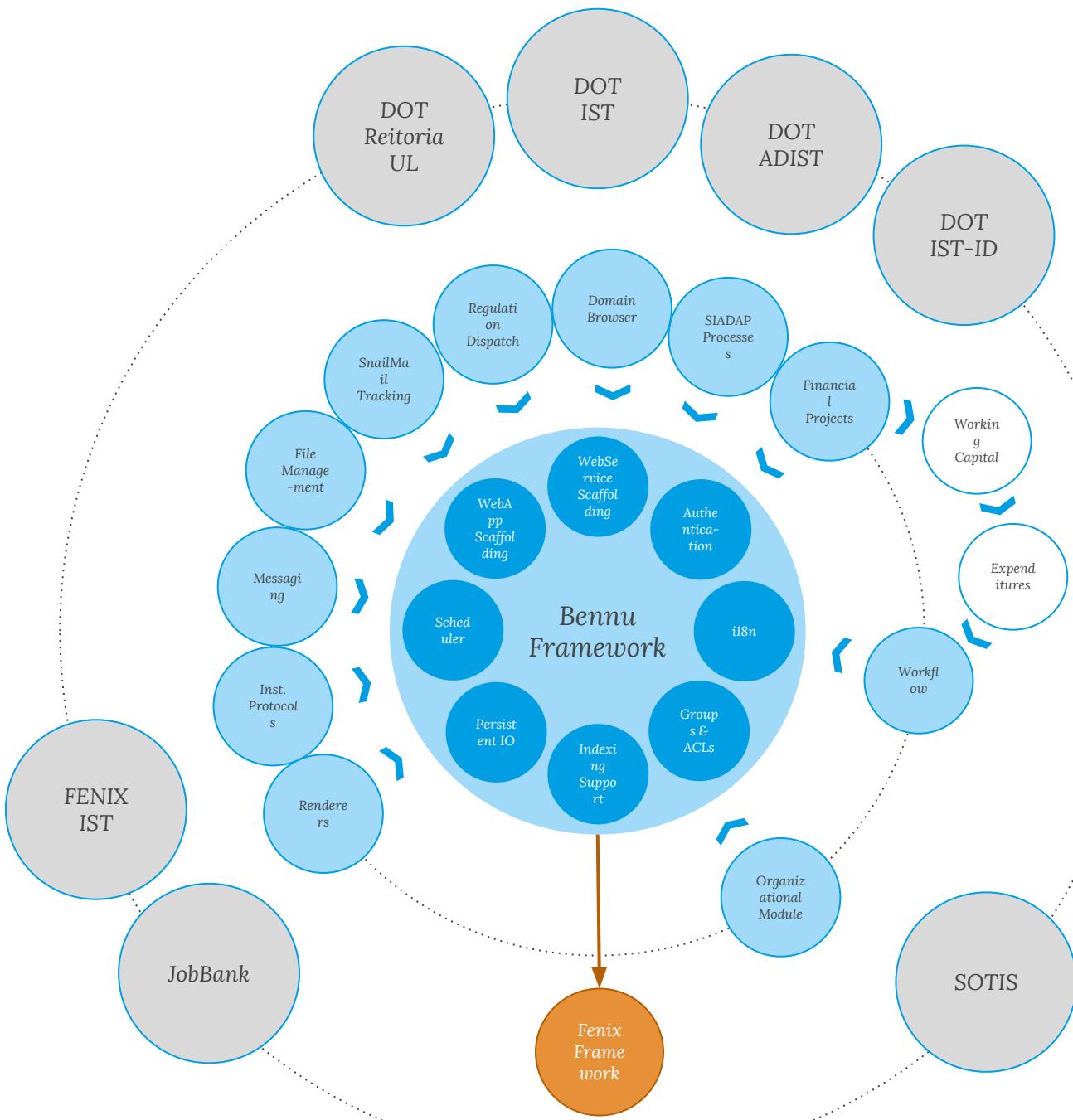
*The Domain Model Complexity*

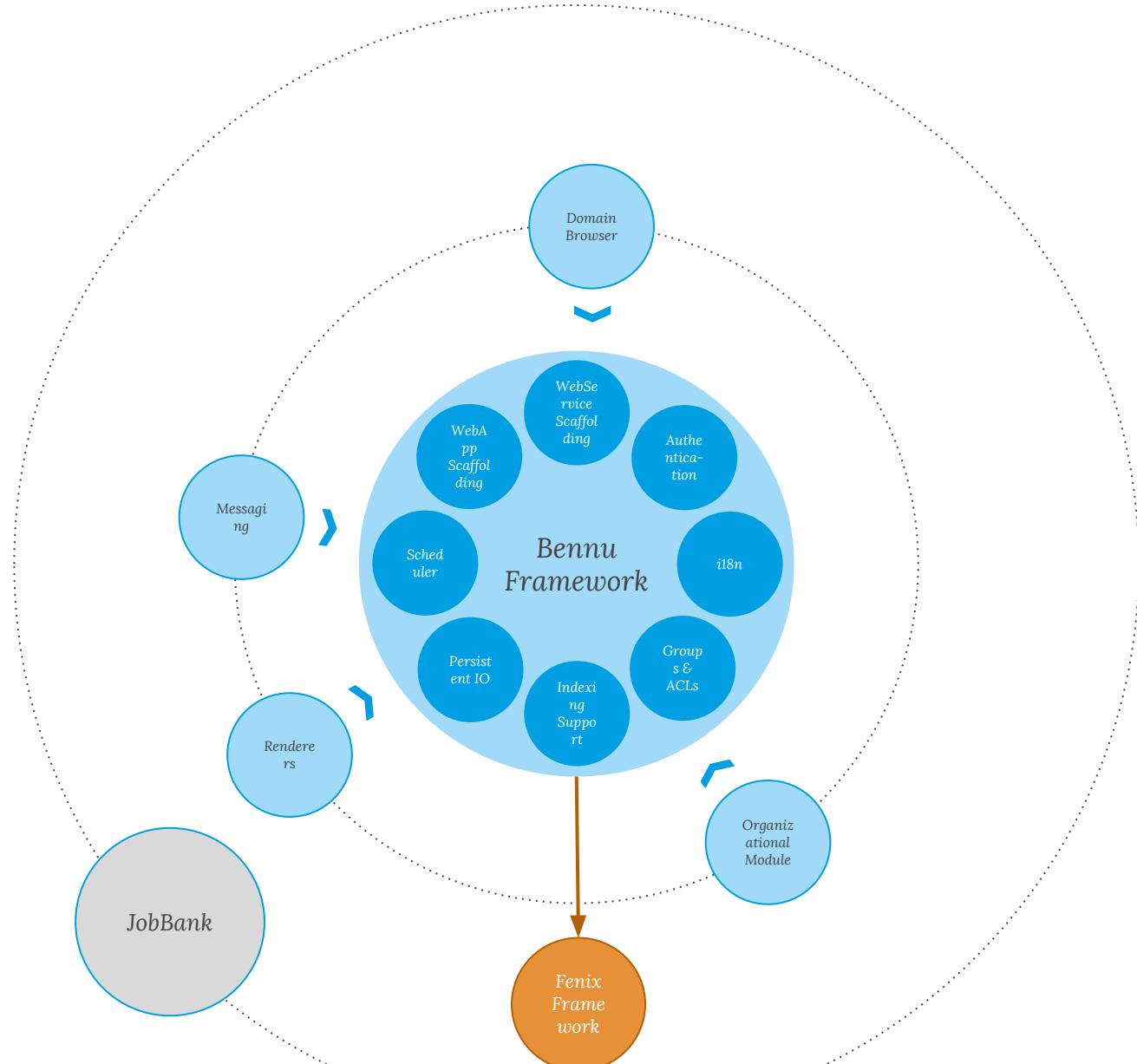
*The Domain Model Complexity*

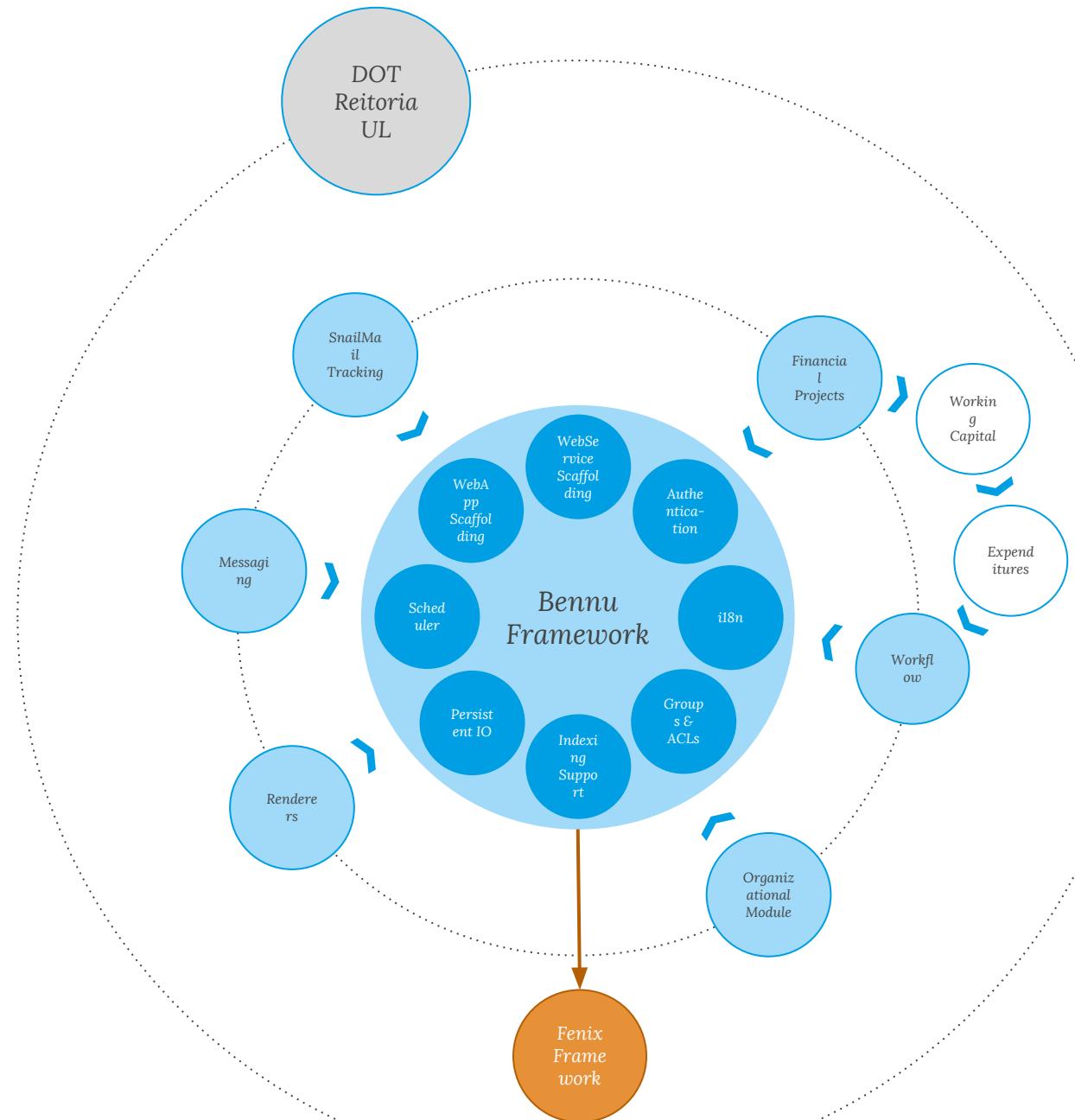


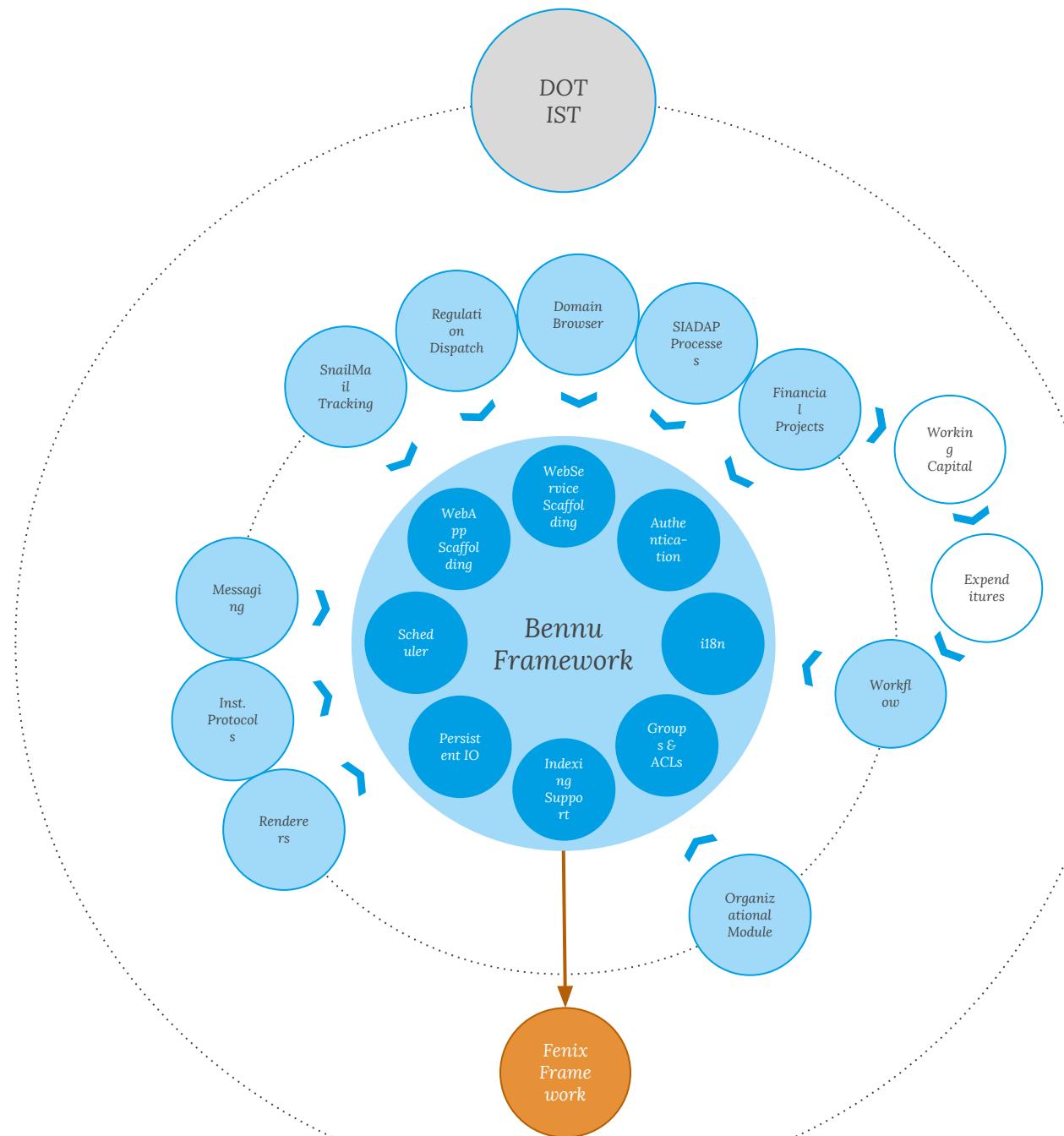
# FenixEdu on Modules

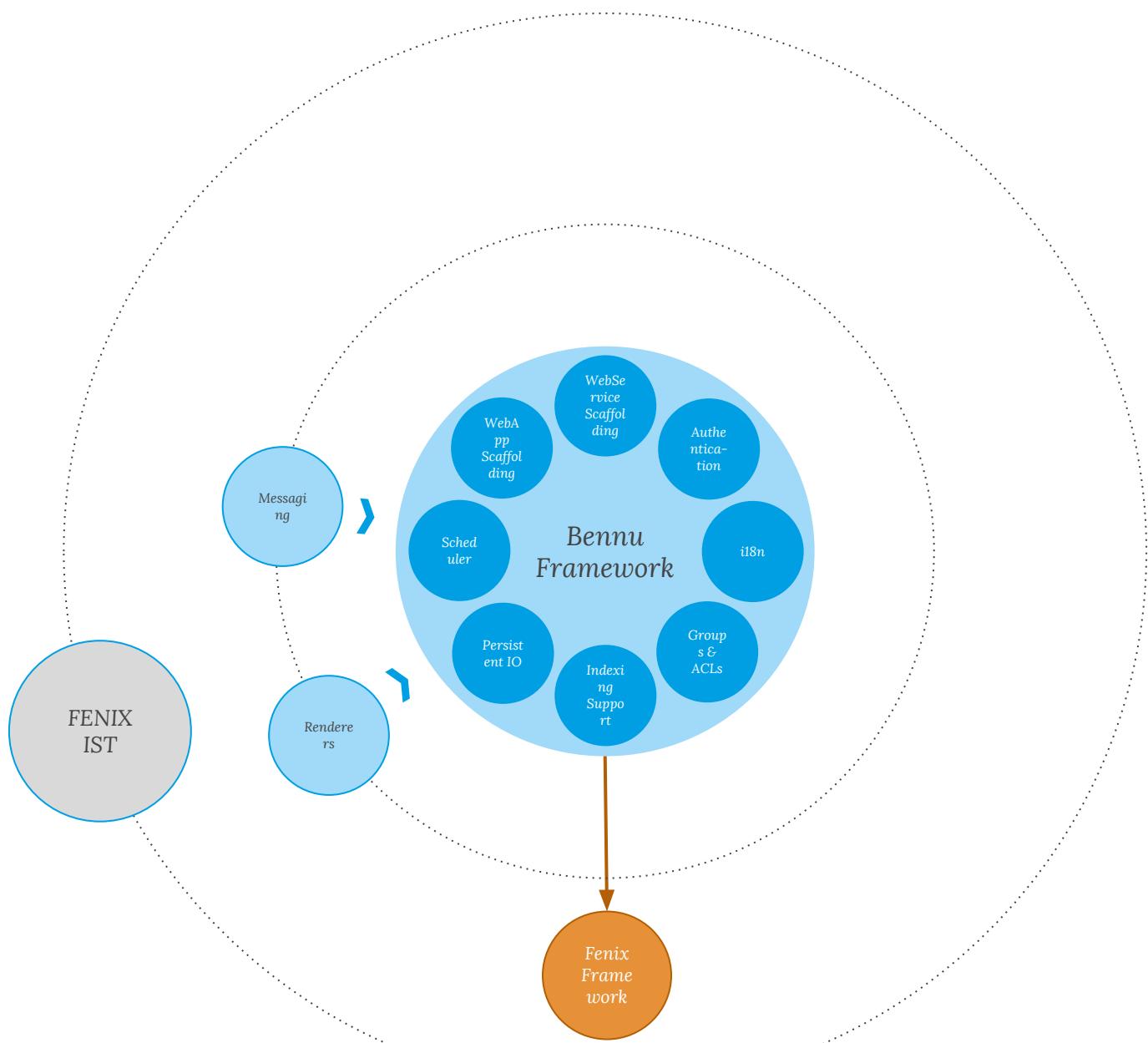


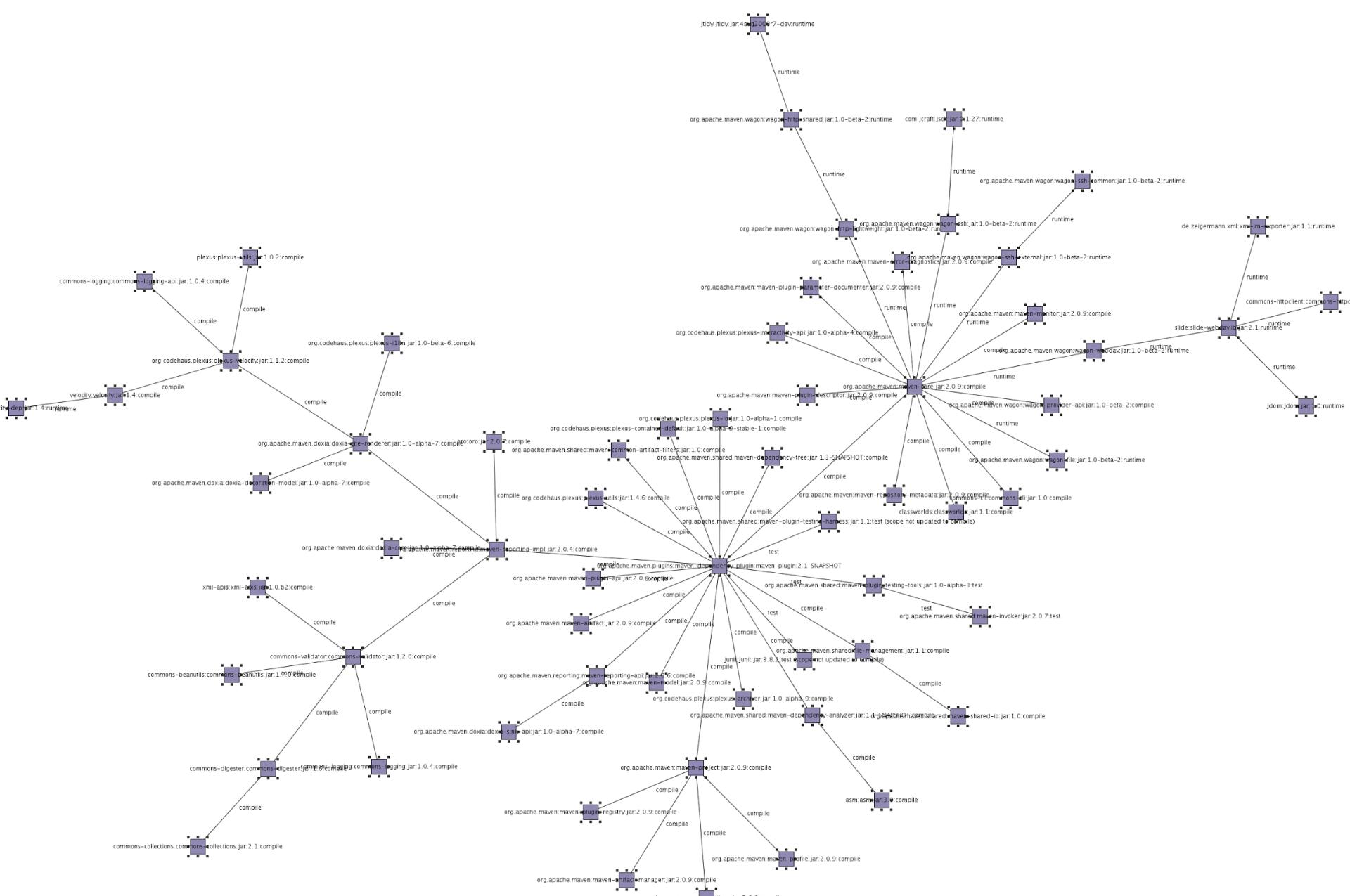






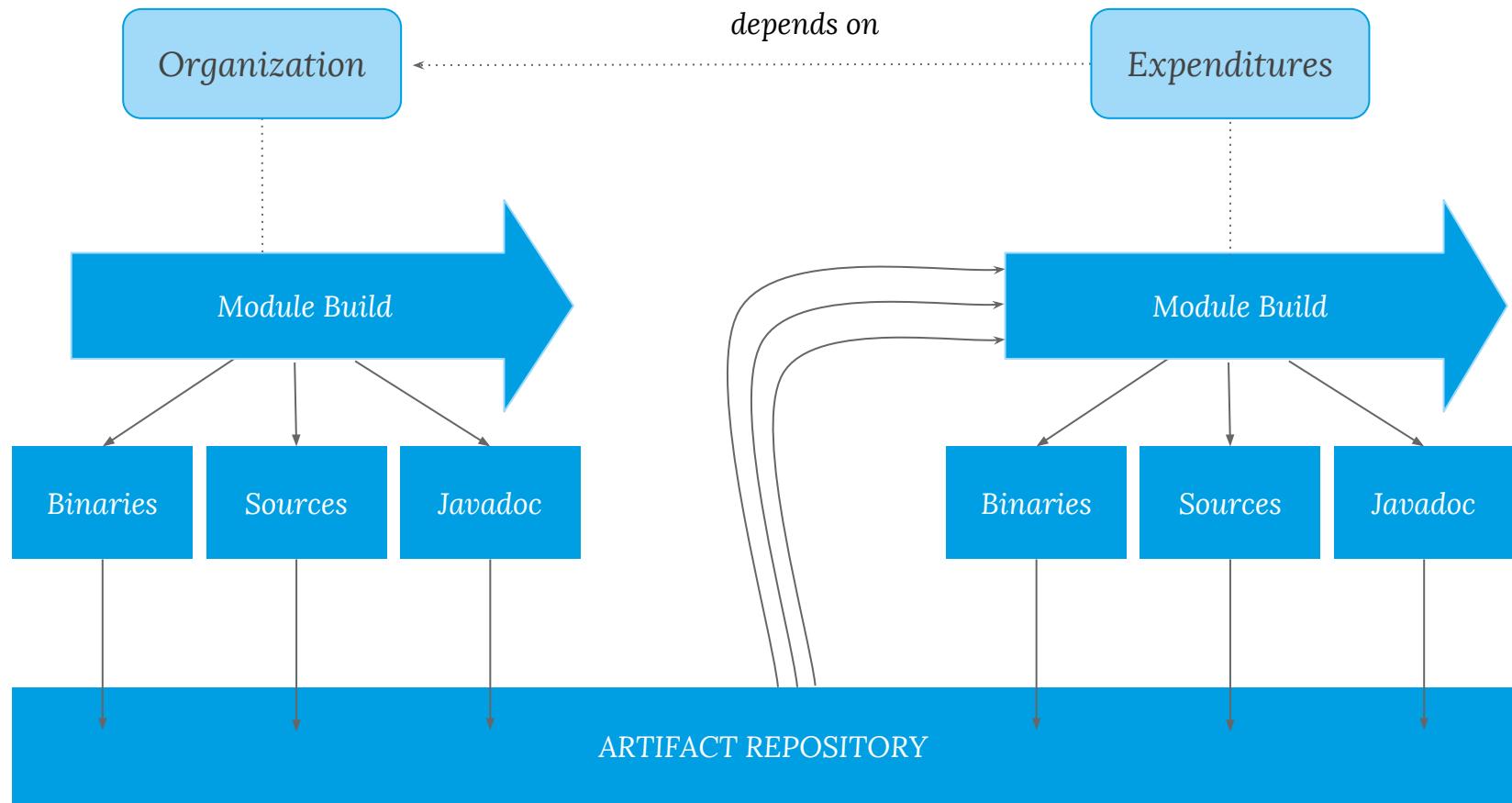






Dependency Nightmare

# Artifact Dependency Management



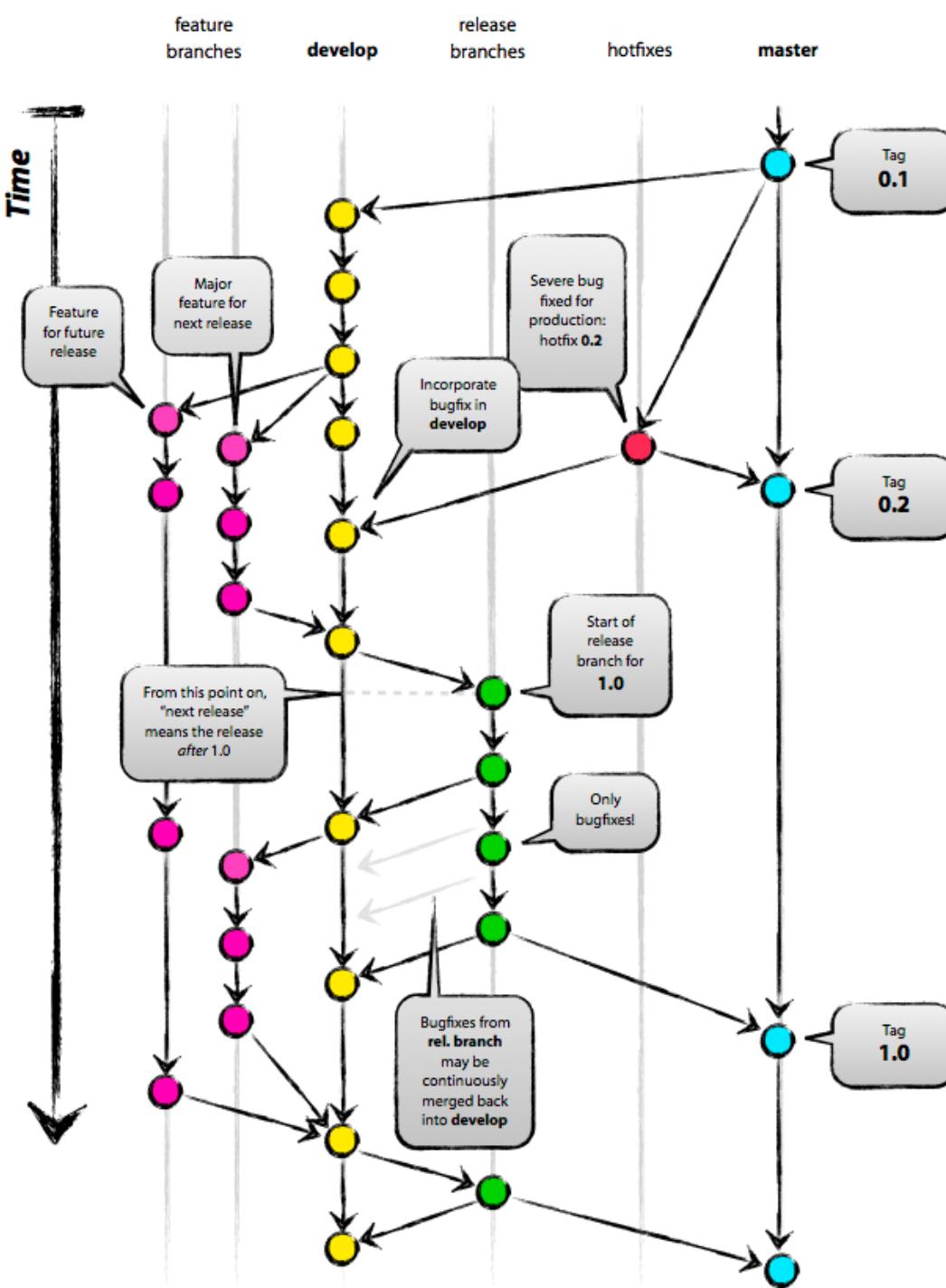
# Semantic Versioning

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version Major.Minor.Patch

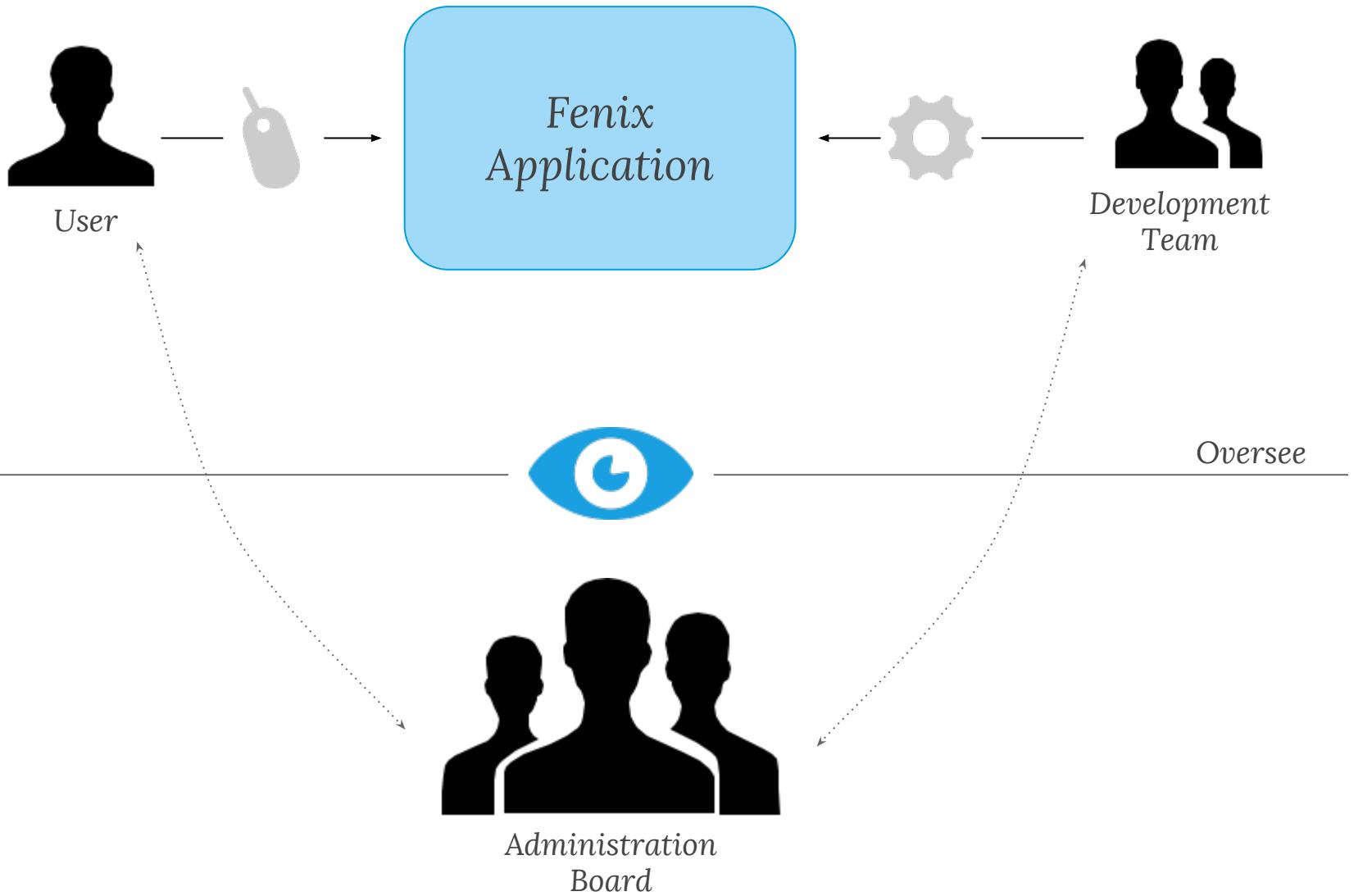
- ✓ Major Version
  - when you make incompatible API changes
- ✓ Minor Version
  - when you add functionality in a backwards-compatible manner
- ✓ Patch Version
  - when you make backwards-compatible bug fixes

GitFlow

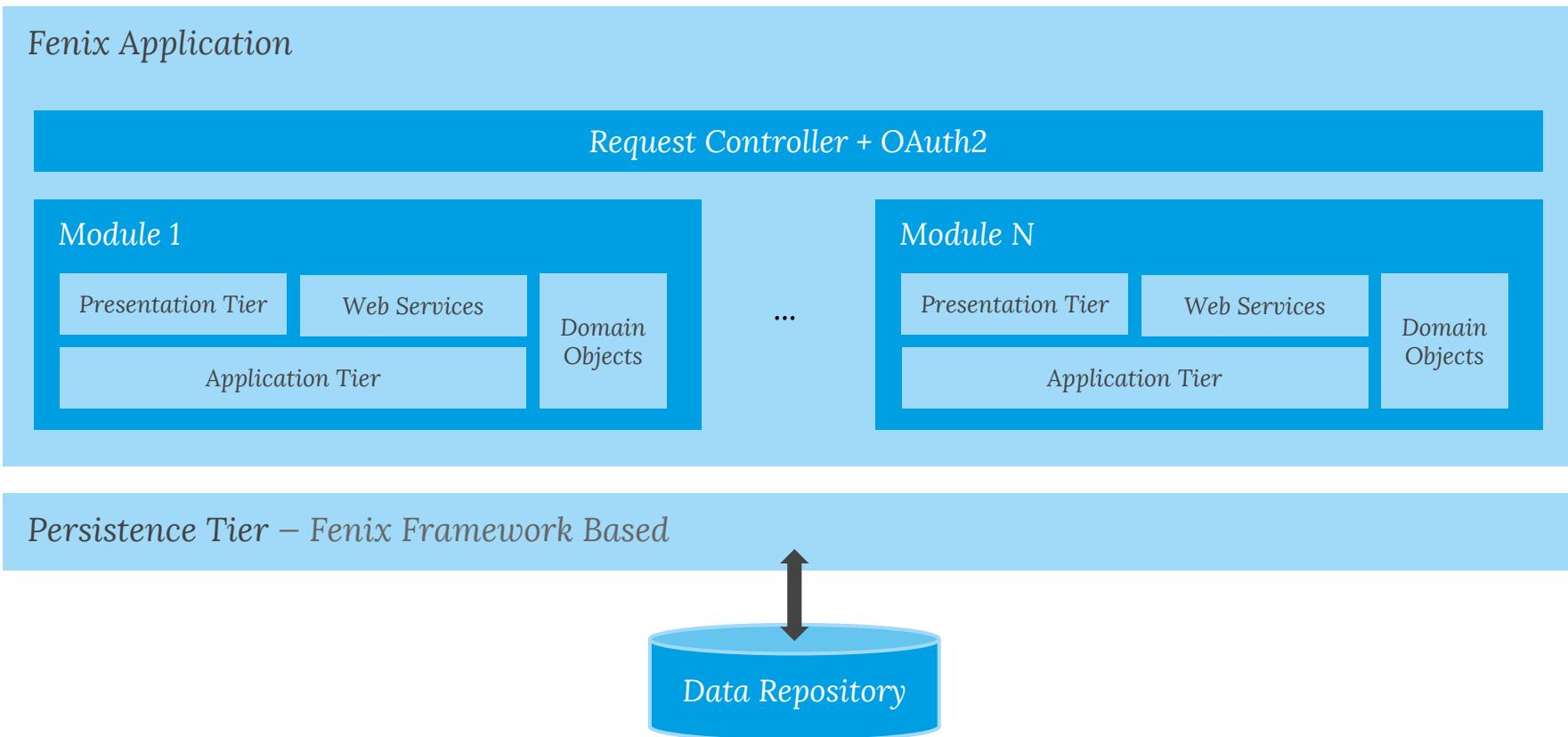


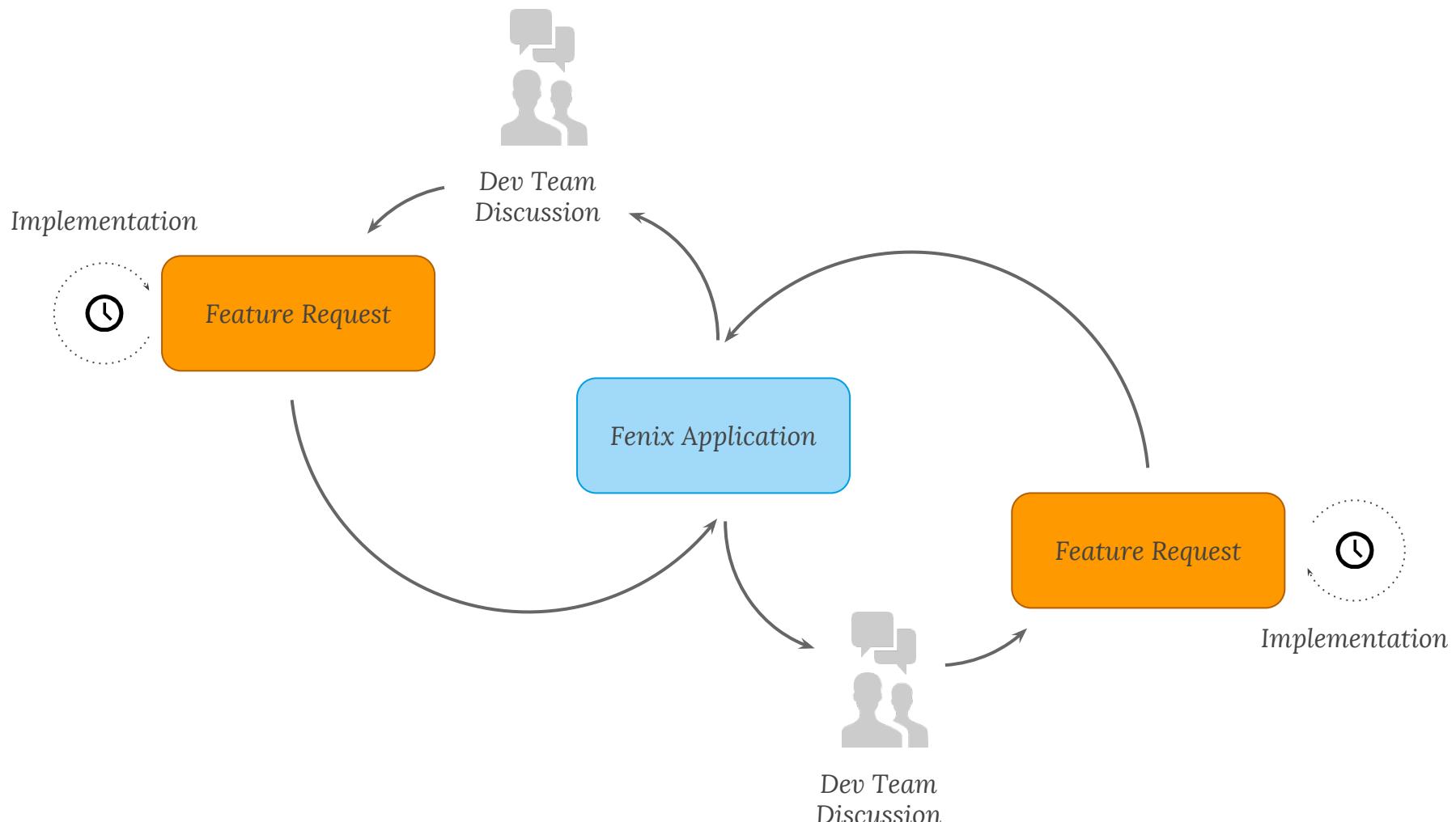


*Github Pull Requests*

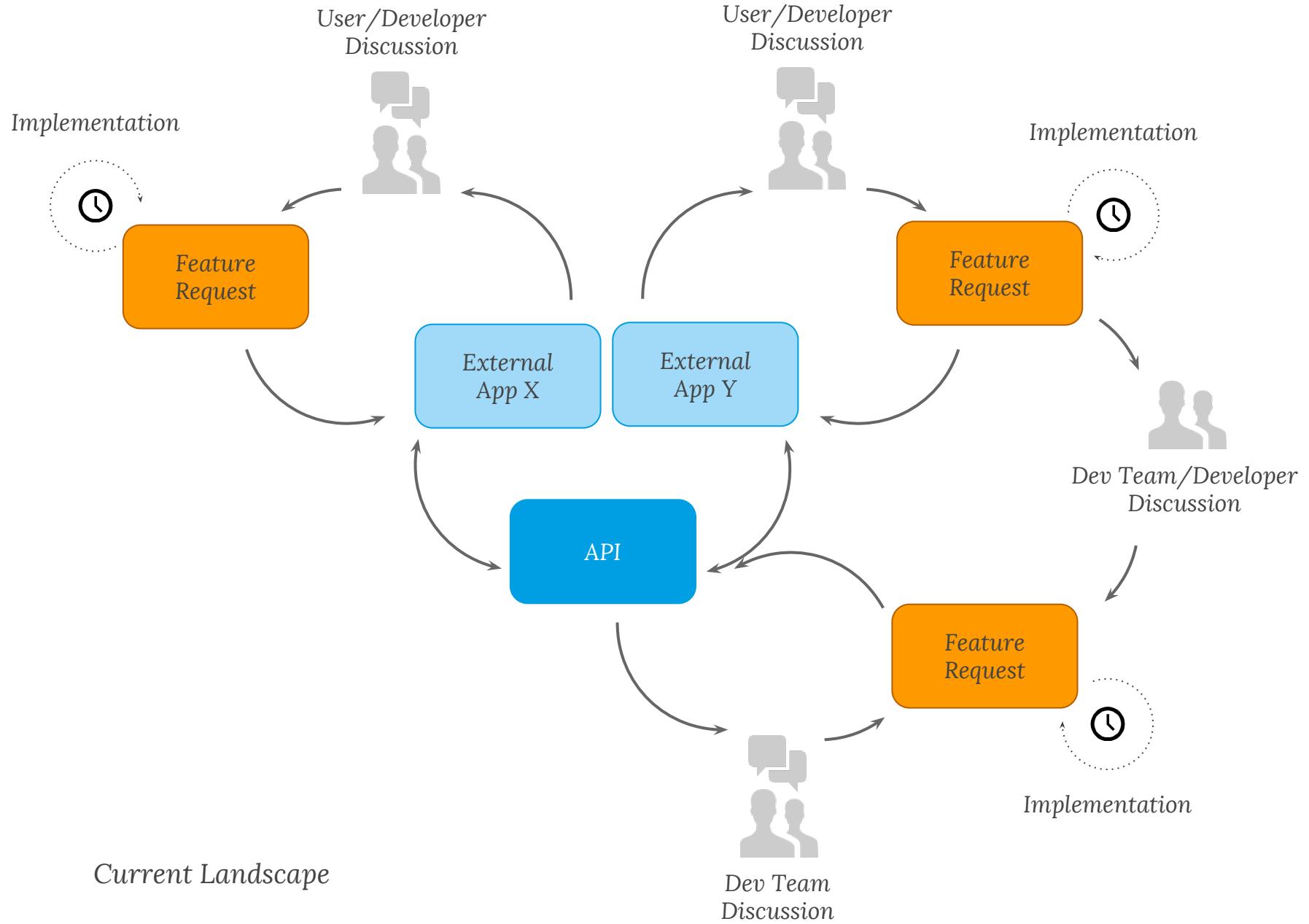


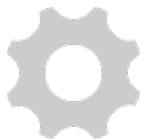
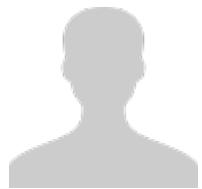
# Fenix meets REST API



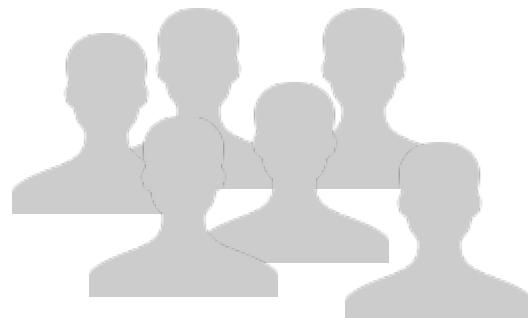


Previous Landscape





Fenix  
Application





Users

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Development Team



*Community*

## Join Us

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***http://fenixedu.org/dev***



*github.com/fenixedu*



*facebook.com/fenixedu*



*hello@fenixedu.org*

# FenixEdu Ignition

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***http://fenixedu.org/ignition***



28th February 2014



Campus Alameda & TagusPark

# Thank You

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# Q&A