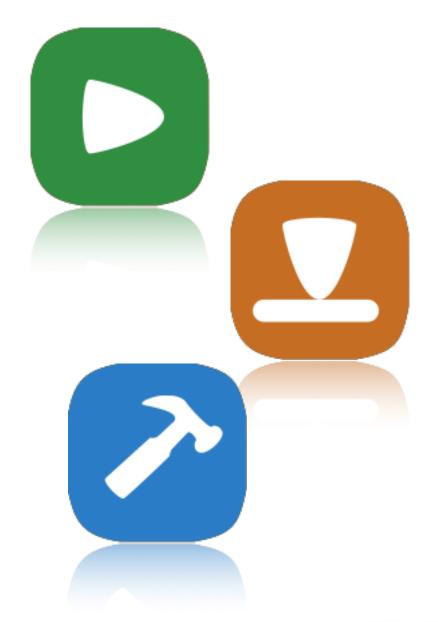
DAWN4DAWN

NoBUGS DAWN Workshop 2016 By Torkild U. Resheim, Itema AS



What's DAWN4DAWN?

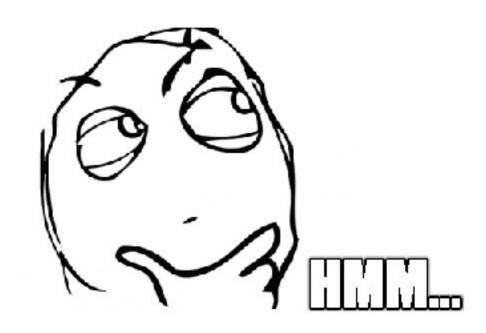
- Development tools for DAWN
 - Create common extension
 - No need set up a build job
 - Publish to a marketplace





But why?

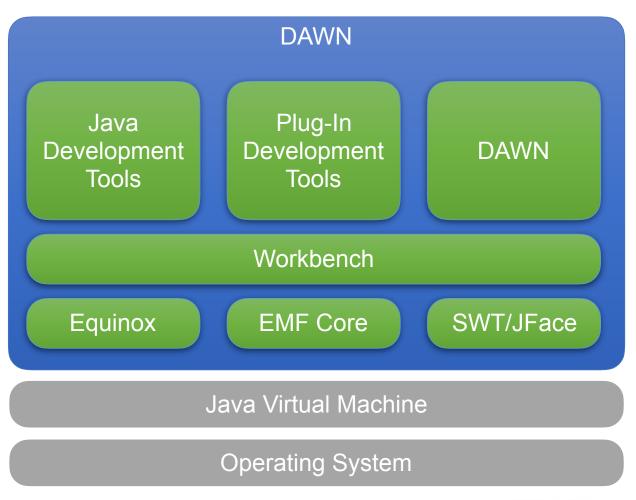
- Have everything you need?
 - File loaders
 - Tools
 - Colour schemes
 - Plotting actions
 - Fitting functions
- Maybe do it yourself
 - With some help
- Would you like to share?





DAWN from a developers perspective

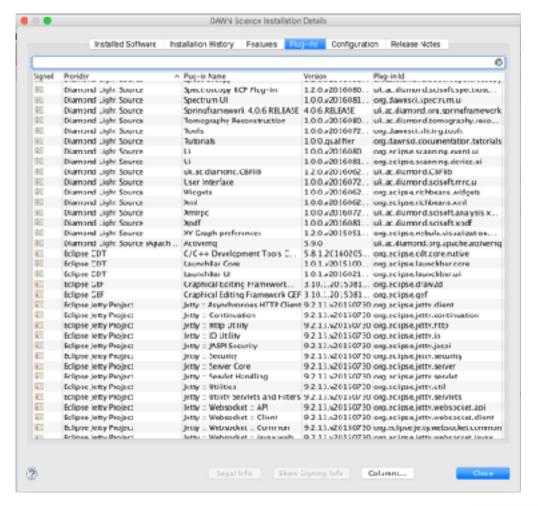
- Built on the Eclipse Platform
- Written mostly in Java
- Includes development tools
- Handles additional modules





A whole lot of modules

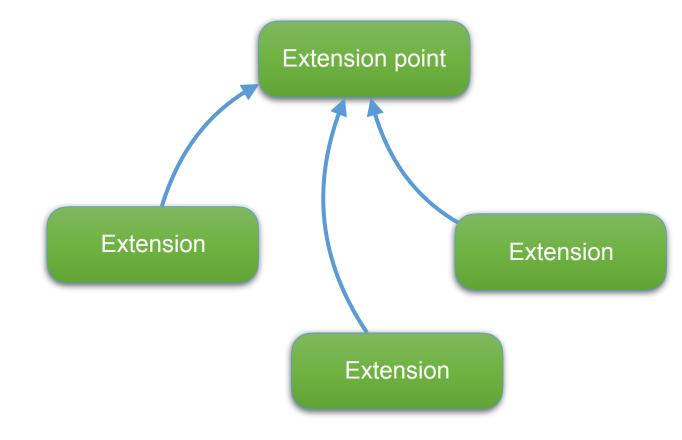
- Java bundles (jar-files)
- Binary bundles
- Help system
- C/C++ Development Tools
- Java Development Tools





Extension points and extensions

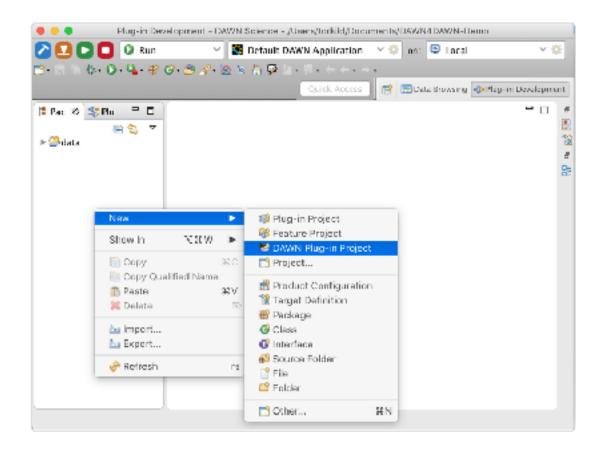
- Loose coupling between modules
- Declared using XML
- Implemented in Java
- Loaded using OSGi





Develop your own plug-ins

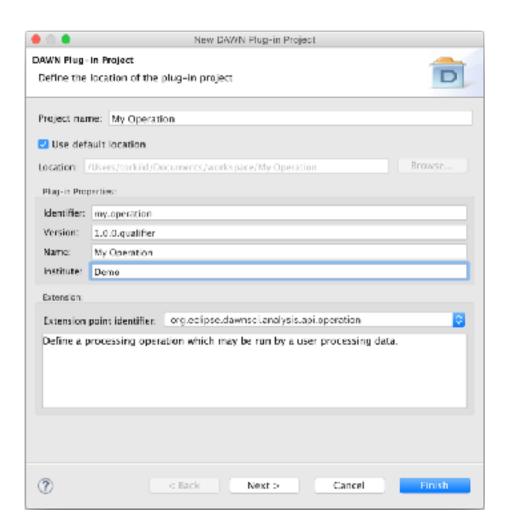
- Special "perspective"
- Create new "DAWN Plug-in"





Create new project 1/3

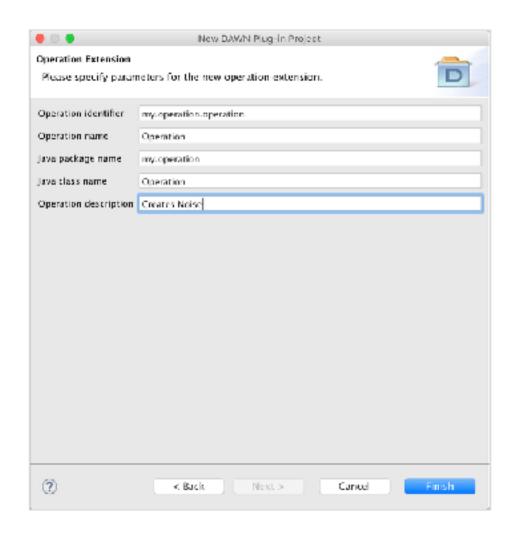
- Fill inn required fields
- And select the extension point





Create new project 2/3

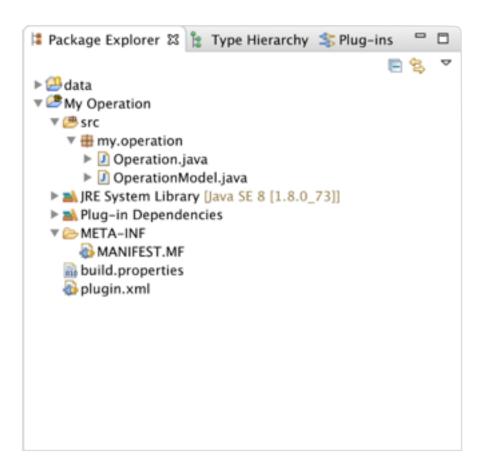
- Fill inn required fields
- Select extension for





Create new project 3/3

- Write the code
- Build
- Test
- Self-host





The DAWN Marketplace

- Open Source Eclipse Marketplace compatible server
- Sign in using Twitter, Google or GitHub account
- Access control to administrator and uploader roles
- Web UI for maintaining solutions and user accounts
- No need for extra web hosting, handles p2 repos



Thank you for listening!

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- https://github.com/Itema-as/dawn-marketplace-server/

