# ICAT Roadmap

## Introduction, icat and ids servers...

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# High level

- Container Compatibility
  - Ensure that all components work on Glassfish 4.1 and current Wildfly as well as the old Glassfish 4.0 that we are currently using.
  - If security updates were abandoned on Glassfish 4.0 we would currently have a problem.
- Move to Angular 2
  - Angular 2 is a major upgrade from the original Angular but does appear to be much better
  - Some consider it to be a new framework rather than just an upgrade
  - Can use JavaScript but TypeScript (which is transpiled) is preferred
  - "*Angular 1.3 will continue to receive bugfix and security patch support for 18-24 months after the release of version 2.0*"
  - Probably some months before starting to make the move
  - This affects TopCAT, IJP and the Dashboard

# Individual services - 1

- Icat.server
  - Ensure that multiple icat servers work together properly
  - Continue to support SOAP API and enhance to include some functionality currently in the REST API
  - Think about and discuss a possible icat 5 with major schema changes
  - Implement a new service that provides an OAI-PMH view of ICAT
    - Have some code in contrib which might help

# Individual services - 2

- IDS
  - Simplified locking as proposed by Rolf
  - Implement option of late writing - i.e. normal cache behaviour
  - Think again about multiple IDS servers

- Smartclient
  - Beautify the GUI
  - Consider moving a group of small files together.
    - Note that this does complicate the current very simple design so will only be done if there are real performance benefits.