



RofR Transition to SAO

J Evans for P Zografou



Code & CM

- Initial goal to reproduce the NCSA rorf.ivoa.net system at the CfA
- Received package from Ray including
 - Binary running on the servers at NCSA
 - Server configuration elements specific to the RofR application
- Package had site specific paths, URLs etc. that needed to be customized
- Identified and gathered source code for the entire system from various sources
 - Scripts already available in the runtime package
 - Various components from the closeout VAO code repository
 - The OAI validation module from the Digital Libraries Laboratory @ uct.cs
 - One remaining file provided by Ray
- Organized the code by component in a local git repository with OTS dependencies in a local ivy repository
- Made the code configurable for installation at different sites (e.g., CfA, production, test)

Installation & Test

- Created dedicated RHEL virtual machine, started Apache HTTPD and Tomcat servers and deployed the build
- Tested against requirements in the RofR IVOA note and compared against rofr.ivoa.net at NCSA
- Verified functionality
 - Retrieval and display using all of the available data at NCSA
 - Validation and registration using our CfA publishing registry as input
- Data curation
 - Discrepancies in validation test results between the CfA and NCSA systems revealed a problem
 - The OAI validation module had not been functioning properly at NCSA
 - Some publishing registries successfully registered in the RofR at NCSA would have failed at the CfA
 - Doesn't seem to affect the harvesting of the publishing registries by the search registries by the search registries
 - Initially we will carry over all the registry records as they are
 - We will follow-up with identifying problematic records and come up with a migration plan

Beta & Deployment

<http://rofrbeta.cfa.harvard.edu>

- Beta registry accessible
 - Retrieve publishing and search registry lists
 - Validate a publishing registry
 - Register a publishing registry – HOLD till transition
- Deployment THIS WEEK
 - On Friday 30 October at 7:00 am EST at INAF, Italy rofr.ivoa.net will change to point to the IP address at the CfA
 - May take up to 24 hours for the change to propagate around the world
- Follow up
 - Address problems found in the code and data
 - Publish the code repository to GitHub
 - Maintenance for evolving standards and technologies