



Golang irods web frontend

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Goal 1: Custom user workflow

- User authentication -> refer to University's SSO with MFA enabled
- HTTPS portal written in Golang
 - User authenticates against SSO
 - Portal creates corresponding user in irods if it does not exist (-> golang irods client)
 - A jwt token is generated and displayed on screen for use with iinit
 - Pam library checking jwt tokens for validity using a shared secret
- HTTPS portal acts as reverse proxy for Metalnx
 - Hack to autologin to metalnx using the jwt token
- Project coordinators (groupadmins) can edit their group members
 - Implemented iadmin operations in golang irods client



Goal 2: Custom admin scripts

- Loop over all files and check replica health in parallel
 - Find files with mismatching size on disk (because disk was full on transfer)
 - Reduplicate files in a replicated resource which failed to duplicate (because of disk was full)
- Implemented irepl, itrim operations in go irods client