

iRODS[®]

iRODS and NetCDF Updates

Daniel Moore
Applications Engineer
iRODS Consortium

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What is NetCDF?

A machine-independent data format allowing hierarchical, self-descriptive datasets to be stored in flat files.

Abstractions defined in the header include:

- variables, attributes, and dimension(s)
- groups (like "folders"), which may contain any of the above

What does the iRODS NetCDF API plugin offer?

Read access to NetCDF datasets and their descriptive information, when stored as iRODS data objects.

Work of the past year

- port iRODS 4.1.x NetCDF functionality to iRODS 4.2.8+
 - use new iRODS server API structure
 - move from jansson C++ JSON library to nlohmann::json library
- migrate build and packaging to CMake and CPack
- add plugin into Jenkins CI for testing

What remains to be done

- add group hierarchy functionality
- solicit and incorporate community feedback

Questions?

