## MORE ABOUT A NEW SERVER 5/13/25

- -) TRY USING NGINX + CPP-H+PP:16

  C) BASED ON SOME SEARCHANG W/AI

  (Chaf GPT)
- -> WHAT SHOULD THAT SERVER'S CHAR-ACTERISTICS BE?
  - DEAD DATA FILES RETURN A DMR.

    C) CACHE, USE TO RETURN A DMR, DAP,

    DDS, DAS, DODS RESPONSE
  - BUILD FILE RESPONSES (DMRIDAP -) NOKCH)
  - INSTEAD OF A MODULE FOR EACH, SUBCLASS/IMPLEMENS

Class Rocal Data: public ? {--};

class File Response: public ? {...};

- USE 'Key' FOR CONFIGURATION

CS EACH SHOULD HAVE A DEFAULT

GROUPS AND PROVIDE AN

ALPHABETICAL INDEX.

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- lopendop returns DAP responses
   lstream streams 'files'
   lformat changes the format
   lcatalog navigates hierarchies (STAC?)
- bound to a Real data Class.

  But, how to hardle data that needs
  to be decompressed or fetched

  using https:?
- -) Develop a simple POC for recoling from NetCDF files. Support only DAPY. No return formats, no stream, no catalog.
  - con this be made to not copy data? Is the 'framework' thread safe?
- -> POC 2: Add support for HOF 5,

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13ASi CURS Read Data (3' 20VI DES 111 decompress and cache the COLLUONS FUNCTIOLES 11/tile. Return an open tile desc. cus int decompress-file ( ... ); /// get file using HTTP, cache, Ill return on open file desc. -Sint get-file (...); III various cache stuff III a plain file och 111 support so each hardly 171 can cache its own specific 1/1 stiff (a Neteof ana /1/ et.). > Implementation Read Data otilies — ways to Schoppress Set data Set-file

RecolDete T OPWDAP Return Formati FORMAT Corchestration methods Read DonX { gelon RSoc X (pall, ce) Get the dansfile name decompress local file cache decomp file Build and return a DMR for format X THENS ARE PARTOR THE SERVELS/OPCH. 100E. Send DMR (pull, ce, stream) get-On R for x (path, ce) Soldheadus?? Bend DMR (stream)

Send Data (path, ce, stream) get DMR for X (path, ce) sordheads? Serch Dote (storan) S COULD USE DEPENDENCY INJETTOW. Class Opendap Source: public Source Vere sond heads (-) \* send\_string(); stream-chata() Opondep Sank (Read Deda & readerror\_response (code, mess, class) BASIC UTILITIED TO GET FROM BED BESKeys File de Marroz cache Decompossion cache Loggin Time out Debug Stop watch

WHAT OTHER THINGS DOES THE OLFS PROUVDE? LOGIN (OAUH2) AWS LOG STREAM ERROR RETURN