



F-TDS

A General Purpose System for Server-side Analysis of Earth Science Data

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F-TDS

- The Ferret-THREDDS Data Server (F-TDS) is an implementation of a general purpose server-side analysis engine which plugs into new or existing TDS installations.
- Now installs automatically with **--type compute** node using the esg-node installer script.

F-TDS Capabilities

- F-TDS takes advantage of several characteristics of Ferret.
 - New "virtual" data variables can be defined
 - Can build the metadata (netCDF header described by dimensions, coordinate variables and the structure of data variables) without performing any heavy calculations for both data read from files and "virtual" data variables
 - Only performs calculations when the data are requested
 - Only calculates the minimal set needed to fulfil the current request

The Why You Should Care

- If you already serve data via TDS you can add server-side analysis to your TDS for the cost of installing Ferret, and a few Java classes and configuration files.
- Gives you an easy and efficient way to supply users with derived products from your data.