

Big Data for Weather

Quotaero

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Who, What, and Why?

Sponsor: Stew Sutton, The Aerospace Corporation

What we're building:

- Extract, transform, and load patterns of scientific weather data measurements for weather products
- Create various visualizations of the data based on user needs
- Using a combination of tools specified by sponsor

Why We're Building It:

- Creating custom software became too expensive
- For a better understanding of how the tools available work alone and together for the sponsor's needs

Last two weeks

- Gathering requirements
- Deciding on project management tools
- Finding computers for cluster server
- Finding place to host cluster
- Installing Pentaho
- Learning Pentaho
- Communicating with sponsor

Difficulties

- Sponsor has been busy
 - Email updates
- Deciding on project management tools
 - Incentive, Google Drive, Trello
- We are not exactly developing software
 - Discussed with Six
- Finding computers to use for cluster

Next two weeks

- Setup cluster in Cal IT2
- Attend Pentaho training sessions
- Begin extracting, transforming, and loading practice data sets