ColdFront Town Hall

O'Donnell Data Science and Research Computing Institute
SMU

Introductions

ColdFront

Demo

Questions & Discussion

Introductions

- Dr. Neena Imam, *Peter O'Donnell Jr. Director*
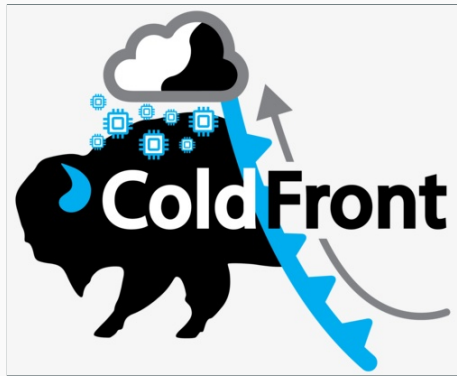- Dr. Robert Kalescky, *Principal Scientist*

- Project Management
  - Rachel Mulry, *Associate CIO for Planning and Customer Service*
  - Shanta Ball, *Associate Project Manager*
- Data Center and HPC
  - John Patterson, *Director of Data Center and HPC*
  - Amit Kumar, *Information Technology Architect*
  - Richard England, *Sr. Systems Administrator*
- Research Technology Services
  - Dr. Eric Godat, *Director of OIT Research Technology Services*
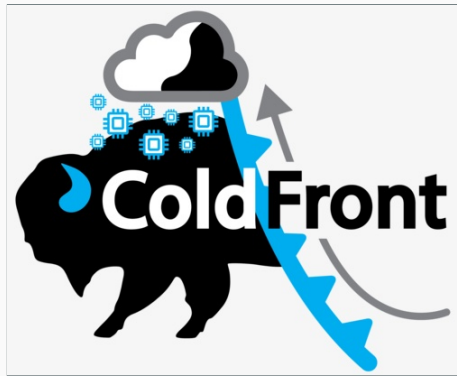 - Dr. John LaGrone, *HPC Research Solutions Architect*

ColdFront

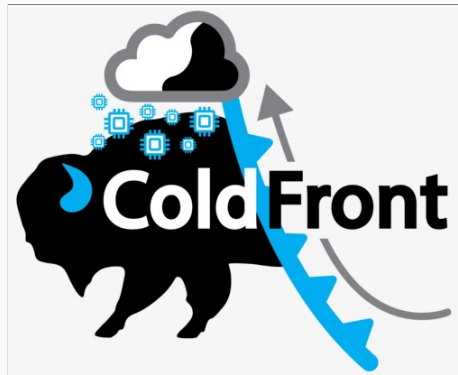- ColdFront is an application that helps manage HPC resource allocations

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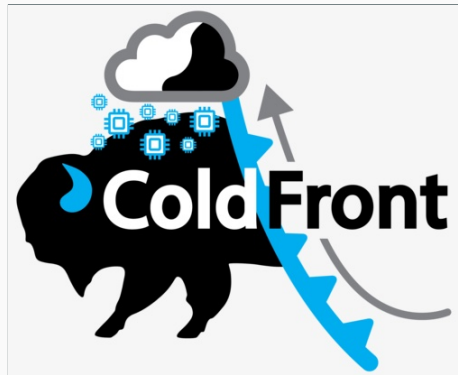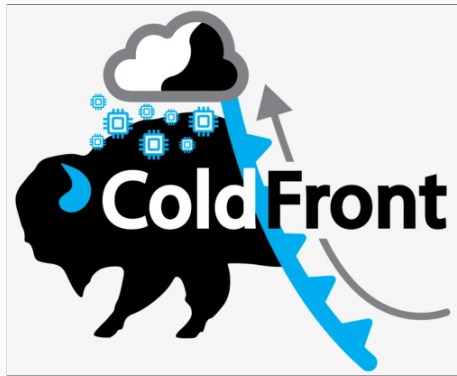- Allows authorized individuals to:

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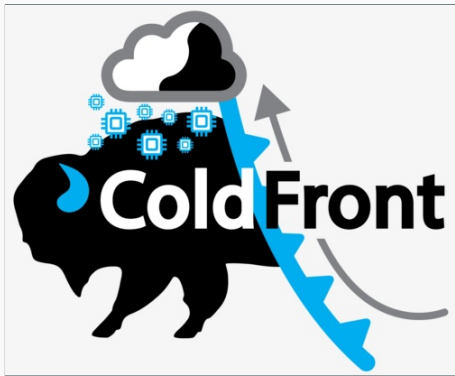 - Manage projects

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    - Request compute resources

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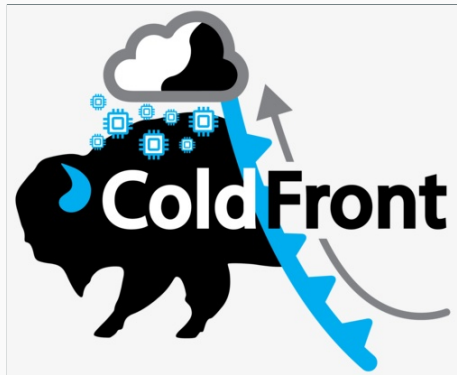 - Request storage resources

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- Provisioning is automated

- Automated provisioning

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- Self-service workflows

Benefits

- Automated provisioning
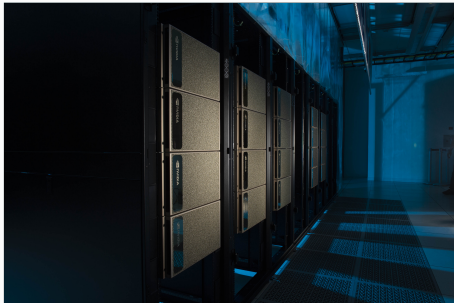- Self-service workflows
- Detailed usage metrics

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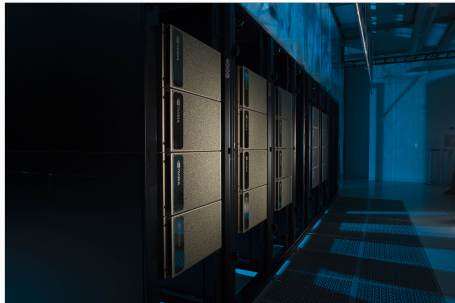- Detailed usage metrics
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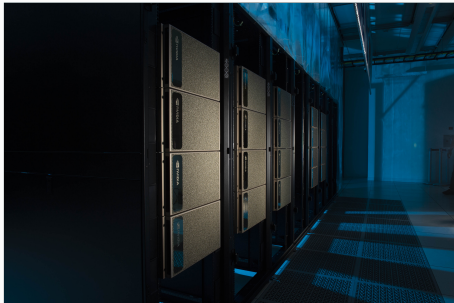   - Individuals
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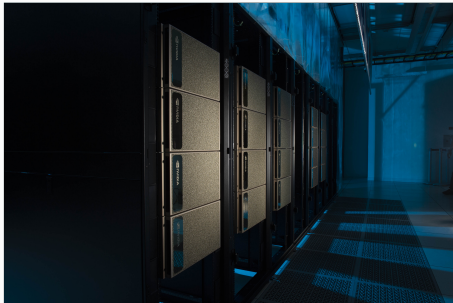   - Individuals
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    - Groups

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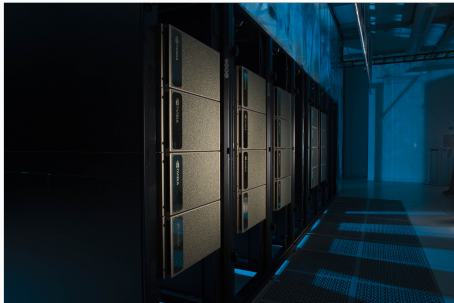   - Groups
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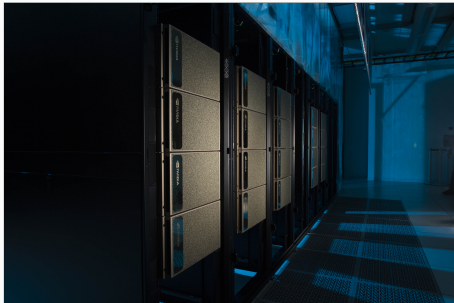
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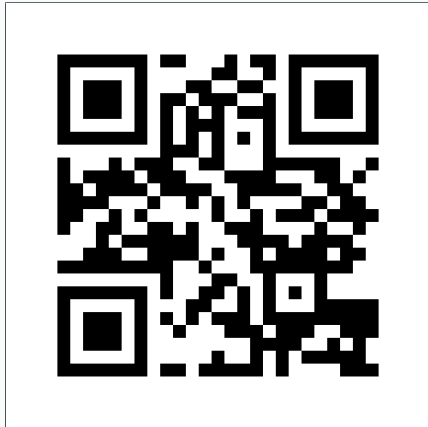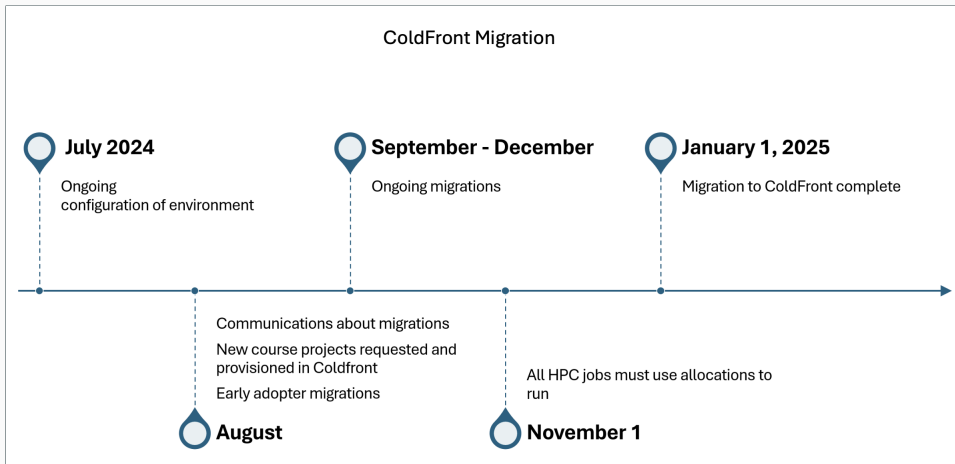- Improved resource access

HPC Documentation

Help Sessions & Workshops

ColdFront Migration

July 2024
Ongoing
configuration of environment

September - December
Ongoing migrations

January 1, 2025
Migration to ColdFront complete

Communications about migrations

New course projects requested and
provisioned in Coldfront

Early adopter migrations

August

All HPC jobs must use allocations to
run

November 1

Demo

Questions & Discussion

Thank you!