



## About PhEDEx

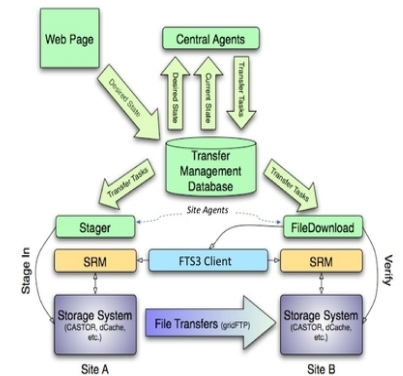
The CMS [☞](#) experiment is managing hundreds petabytes of data recorded by the detector and simulated physics events.

Data are transferred to distributed CMS sites [☞](#) for storage, processing and analysis.

PhEDEx (Physics Experiment Data Export) maintains the knowledge of data replicas locations and manages data transfers between the sites.

Main PhEDEx components are:

- Interactive Web Page [☞](#) for managing and monitoring the transfers
- Agents performing central and local site-specific tasks
- Central Transfer Management Database (TMDB) maintaining a system state
- Web data service [☞](#) providing APIs for integration with other tools
- Command-line tools for the operations and administrative functions



## Users

- Subscribing data to a site
- Monitoring data transfers
- Removing data from a site
- FAQ

## Site Admins

- Adding New Site
- Agents Installation and Configuration
- TMDB connections
- Trivial File Catalog for your storage
- Authentication for storage access
- Installing and Using FTS3 [☞](#) client
- Start//stop agents
- Transfer Troubleshooting checklist
- Site Support and Incidents Report

## Central Operators

- New Operator Checklist
- Creating and Injecting LoadTest07 samples
- Creating a LoadTest sample
- Data Transfer Scripts
- PhEDEx operations notes
- Administering PhEDEx
- Finding and resolving deadlocks
- Transfer management Policies

[Developer's guide](#)
[Discussions](#)
[More about PhEDEx](#)
[Tests & Work Logs](#)

## PhEDEx < Sandbox < TWiki

<ul style="list-style-type: none"><li>• Building a Release</li><li>• Setting up a testbed</li><li>• Run PhEDEx on a VM</li><li>• TMDB schema</li><li>• Using POE</li></ul>	<ul style="list-style-type: none"><li>• Developers Meetings</li><li>• Pending projects</li><li>• PhEDEx plans</li><li>• PhEDEx forum <a href="#">↗</a></li><li>• Code Fests</li></ul>	<ul style="list-style-type: none"><li>• Release Notes</li><li>• Agents and what they do</li><li>• PhEDEx Load Tests</li></ul>	<ul style="list-style-type: none"><li>• Integration tests with LifeCycle</li><li>• Data Service tests with LifeCycle</li><li>• Firewall Tests</li><li>• Transfer HI run 2015 data to Vanderbilt T2</li></ul>
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Topic revision: r15 - 2017-08-04 - NataliaRatnikova



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