

Design Document For HEP Senior Design

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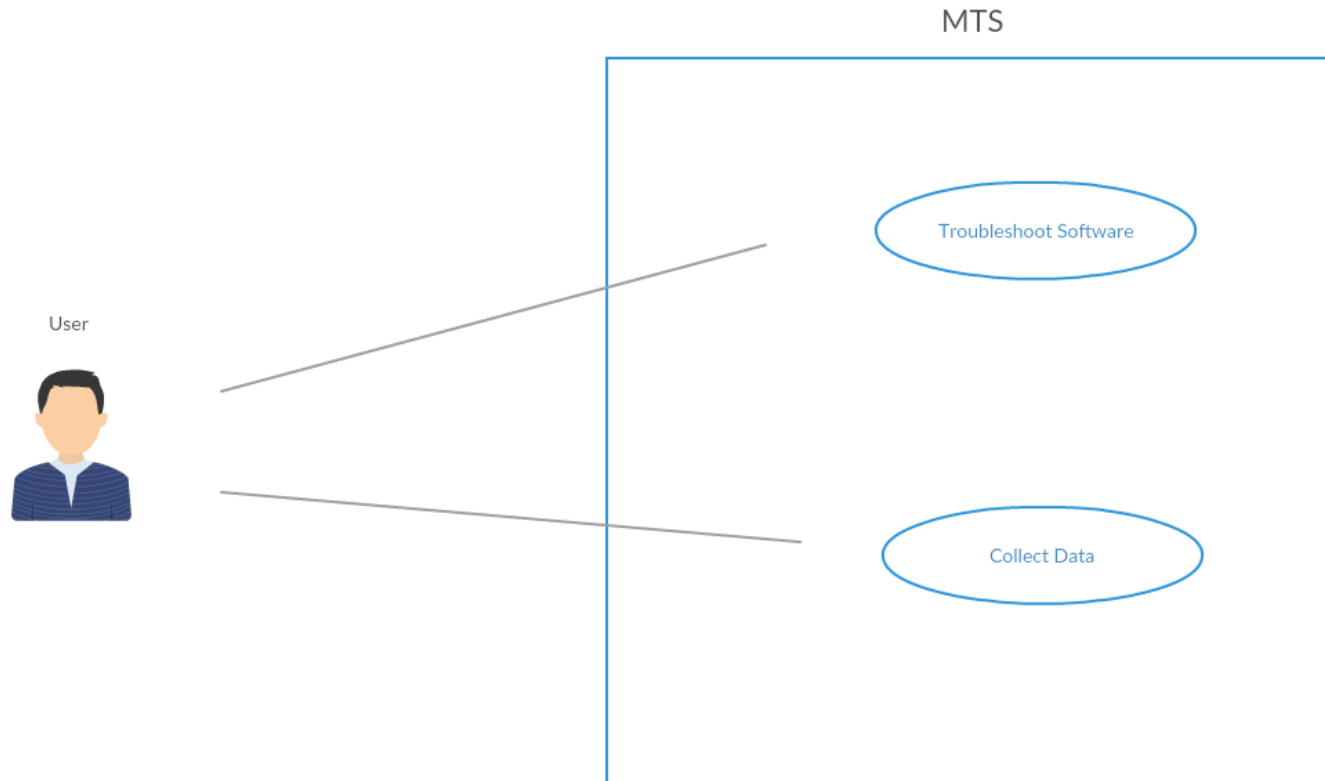
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MTS

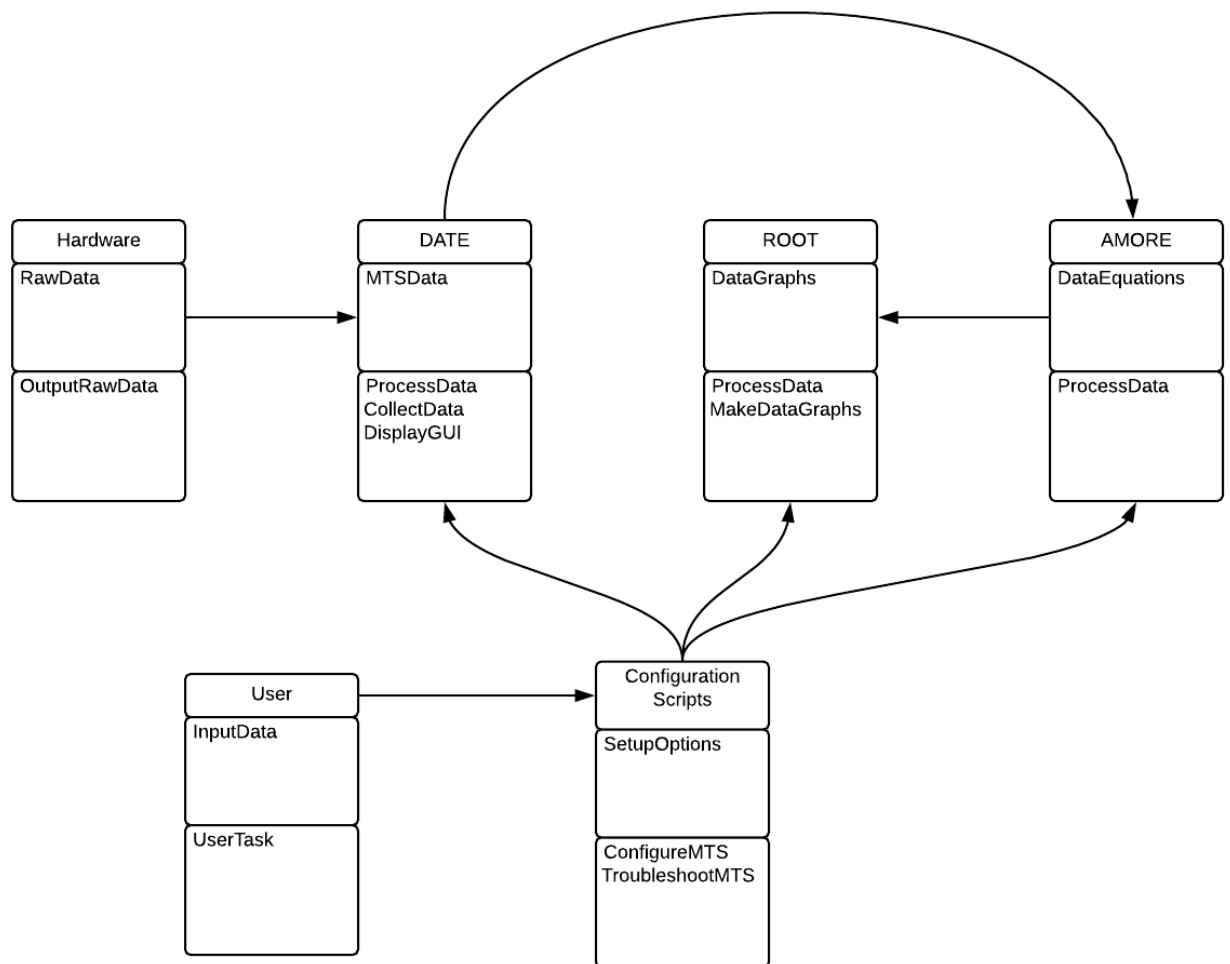
MTS Use Case Diagram:



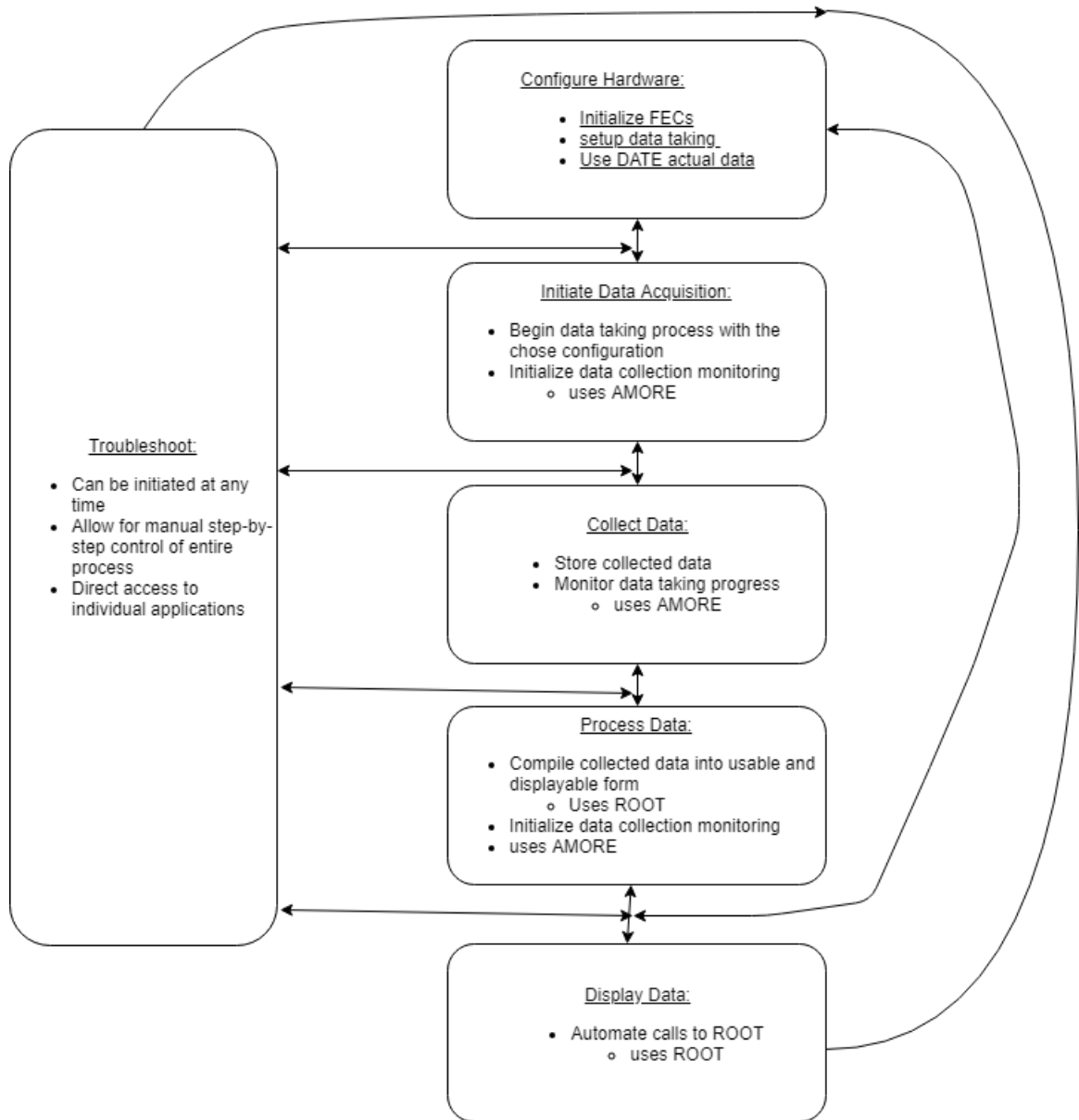
Requirement ID: Troubleshoot software	Requirement Type: Functional	Scenario ID(s): TS
Requirement: The software designed shall have the capability of troubleshooting issues with the MTS.		
Rationale: When the MTS isn't functioning correctly, the software must be able to provide a reason to the user.		
Source: Client		
Acceptance Criterion: When the MTS isn't functioning, the script provides a reason in all test cases.		
Dependencies: MTS is not functioning		Conflicts: N/A
Supporting Materials: Requirements Document, Client		
Modification History: Last Modified 9/30/18		

Requirement ID: Configure Software	Requirement Type: Functional	Scenario ID(s): CS
Requirement: The software designed shall configure the MTS based on the user's required functionality.		
Rationale: The user must be able to easily start the MTS and collect data. Without a configuration script, the user would have to manually move data from one application to another.		
Source: Client		
Acceptance Criterion: Data is moved autonomously between software applications DATE, ROOT, and AMORE.		
Dependencies: N/A		Conflicts: N/A
Supporting Materials: Requirements Document, Client		
Modification History: Last Modified 9/30/18		

MTS Class Diagram:

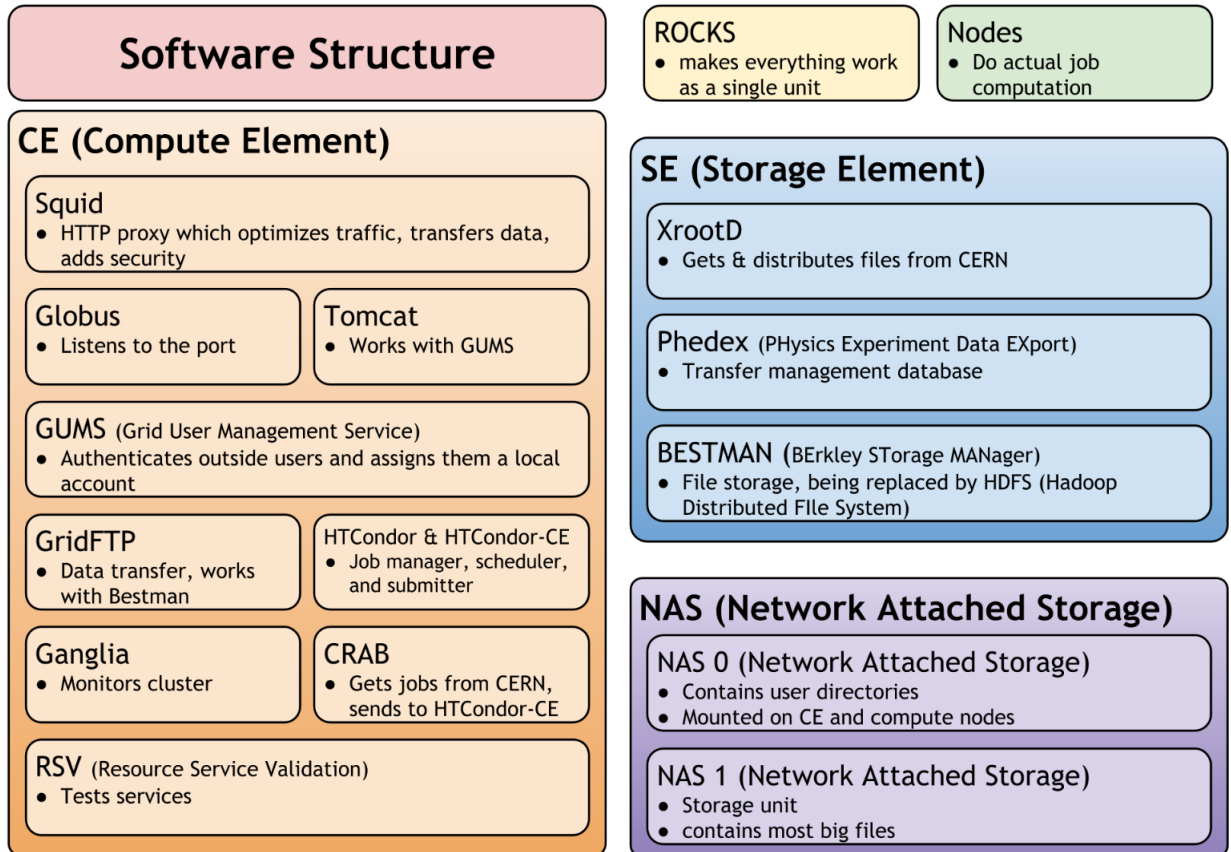


UML



Cluster

Software Overview:



Cluster Use Case Diagram:

