

Use Case: *Input File Transfer*

Identifier	<i>UC #IFT</i>
Goals in Context	<i>Transfer files from submit machine to compute node.</i>
Actors	<i>DO code release tree. Job submission mechanism. Job description.</i>
Triggers	<i>User submits a job whose executable requires files not on the compute node disk.</i>
Included Use Cases	<i>Required File Identification.</i>
Extended Use Cases	<i>None.</i>
Pre-conditions	<i>A list of required files exists.</i>
Post-conditions	<i>File transfer is completed and job notified.</i>
Basic Flow	<i>Check files from list for local availability. Recieve destination information. Check authorisation. Transfer files. Report completion.</i>
Devious Flow(s)	<i>Notify something of unsuccessful file transfers and cause of the failure. Take appropriate action (e.g. retry).</i>
Importance and Frequency	<i>Must be able to transfer user executable, configuration files (cards,rcp's,...) for every analysis job.</i>
Additional Requirements	<i>To use nodes without desired DO release, must transfer subset of DO code and configuration files. Check if some files are already available on compute node. Required files need not be local to submit node.</i>