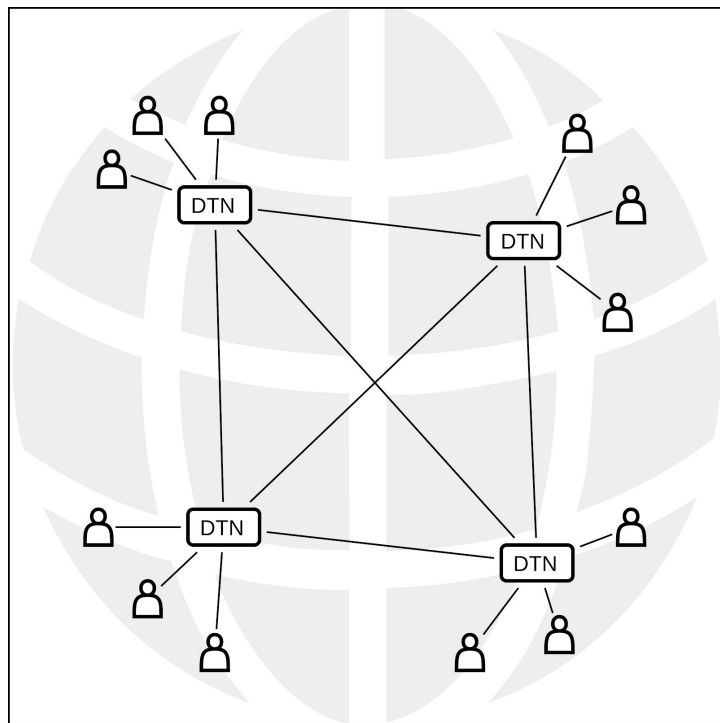
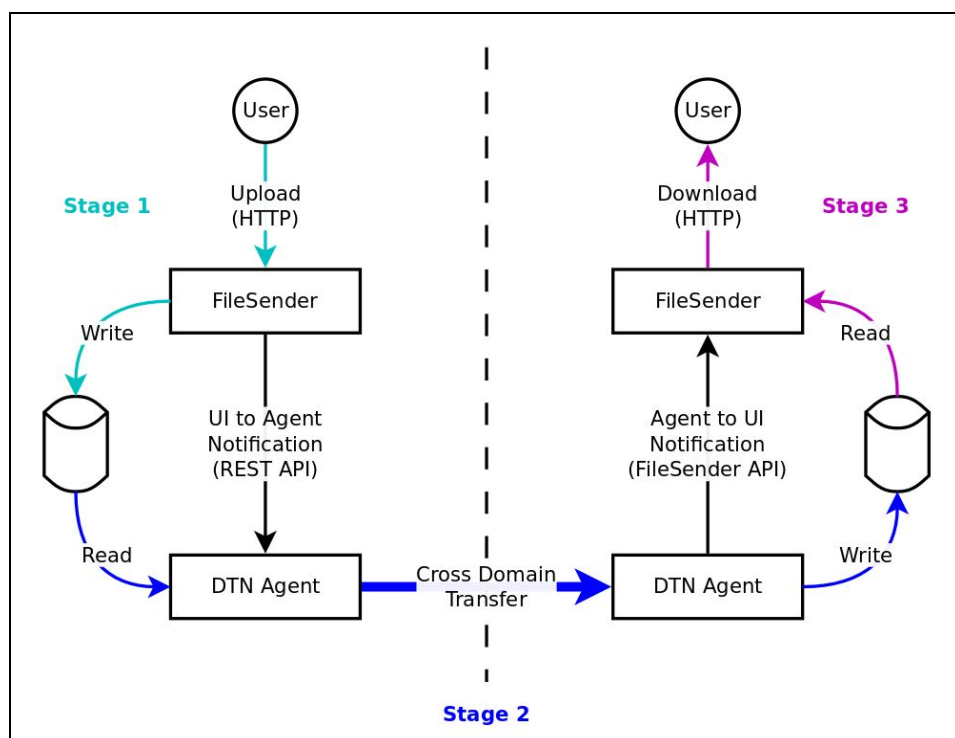
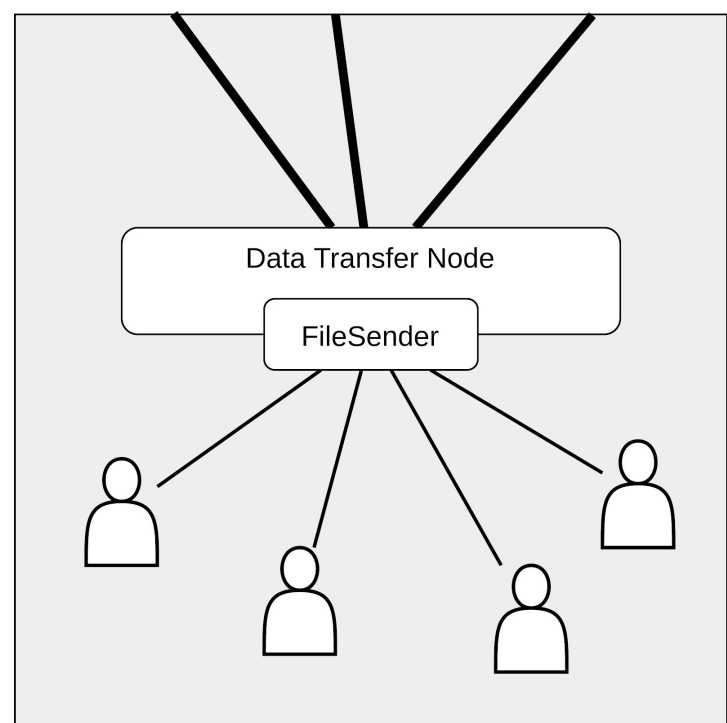


User Friendly Data Transfers with DTNs



- A worldwide network of DTNs supports users by allowing long distance transfers to be done by specialized systems on optimized paths.
- Data transfer domains are determined based on geographical region or organization.
- DNS service records are used to find the appropriate DTN for a recipients domain with support for user specific entries.
- Between domains the DTNs provide an API that allows for peer DTNs to choose from a selection of protocols designed for high speed data transfers.

- Within a domain the DTN provides an API that is utilized by user facing data transfer applications such as FileSender.
- Users continue to use the tools they are familiar with without any need to consider the location of the recipient.
- Data transfers between domains are performed faster with both the sender and the recipient using their preferred data transfer application.
- There is no change in how data transfers between users within the same domain are performed.



- The transfer is carried out in three stages
 - Stage 1: User Upload
 - Stage 2: Cross Domain Transfer
 - Stage 3: User Download
- Notifications signal the transition between stages
- FileSender need not be run on the same system as the DTN Agent