**Use Cases:**

These use cases are based on the template and samples provided by ConnectEdu. However in this exercise I ‘generalized’ a case to be payload agnostic. With this first use case I attempted a very simple scenario. More complex scenarios are listed under ‘Alternate Paths’.

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| **Name** | **UC-1: Transaction Exchange Between Two Clients of Different Vendor-based Service Providers – There Are No Transaction Fee Dependencies** |
| Summary | This use case describes the movement of a payload (electronic document) between two clients supported by different vendor-based service providers. The payload is arbitrary, and not relevant to the transmission process. There are not transaction fees or else they do not need to be addressed within the CDS exchange. |
| Rationale | This is *(almost)* the simplest case for automated exchange - between service providers acting on behalf of single sender and single recipient. *(A simpler would be between two clients supported by the same vendor host.)* |
| Users | Any front-end service that is a client of a PESC-compliant CDS Server |
| Preconditions | * Sending client service has formatted the payload and envelope in a supported PESC format. * Sending and Receiving CDS servers have complied with CDS registration requirements * FERPA requirements have been met. |
| Basic Course of Events | 1. The front-end service submits a transmission package (envelope and payload) to its host (sending) CDS server. 2. The sending CDS server identifies the transmission target 3. The sending CDS server identifies the CDS host for the transmission target 4. The sending CDS opens a connection to the correct recipient CDS and delivers the transaction. 5. The receiving CDS provides (forwards?) tracking information and delivery confirmation. |
| Alternative Paths | Conditions under which the basic course of events (above) could change:   1. Package received by sending CDS is mis-configured. 2. The CDS host for the target client cannot be located. 3. Transaction fees are involved that require user confirmation before processing. 4. The source and destination clients are both supported by the same CDS host. 5. Transmission errors. |
| Postconditions | Electronic transcripts are confirmed as received by recipient institutions and all users involved in the transmission and approval of the records have tracking information and confirmation of receipt. |
| Related Documentation | Refer to transcript exchange workflow diagrams. |