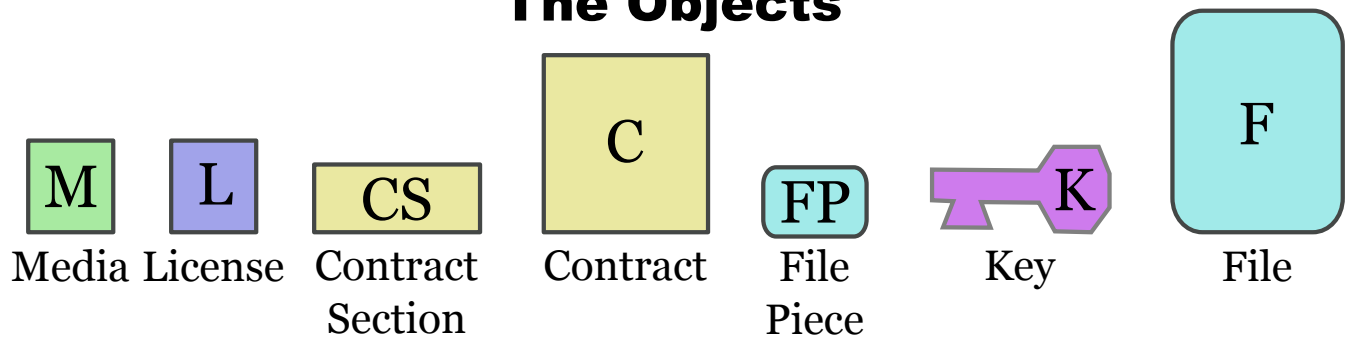


A PaySwarm Purchase

The Participants



The Objects



The Process

The PaySwarm Purchase process consists of the following steps, which are detailed further in this document.

Step 1: Media Discovery and License Selection

Step 2: Starting a Swarming Contract

Step 3: Negotiating with each Seller

Step 4: Downloading the File Pieces

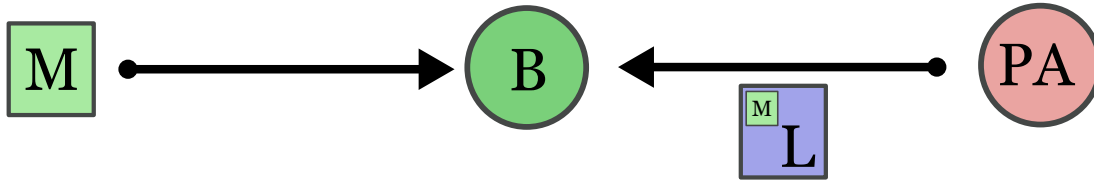
Step 5: Purchasing the License

Step 6: Purchasing the Data

Step 7: Assembling the Data

Step 1: Media Discovery and License Selection

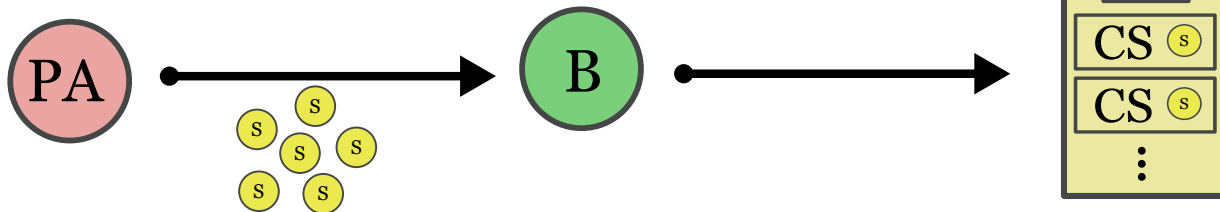
- 1.1 The Buyer finds a machine-readable PaySwarm Media description on a Digital Content Store, Blog, or other Website



- 1.2 The Buyer contacts the PaySwarm Authority for a License to associate with the Media

Step 2: Starting a Swarming Contract

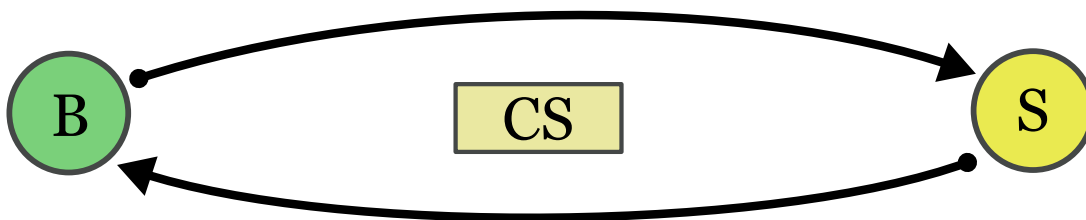
- 2.1 The Buyer contacts the PaySwarm Authority, and retrieves a list of Sellers selling the Media and License combination discovered previously.



- 2.2 Contract Sections are prepared for each Seller. Buying preferences such as guaranteed download rate, maximum piece price, and delivery time are noted in each Contract Section.

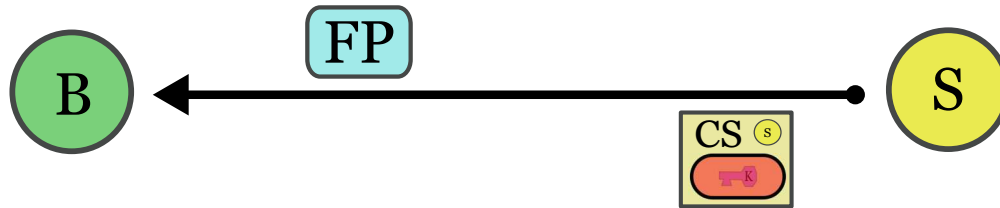
Step 3: Negotiating with each Seller

- 3.1 The Buyer and the Seller(s) negotiate over the terms of the data delivery contract. Once negotiation is complete, both the Buyer and Seller(s) digitally sign each contract section with the agreed-upon terms



Step 4: Downloading the File Pieces

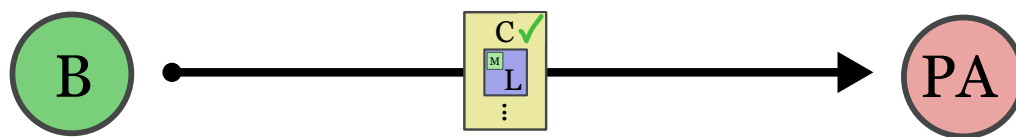
4.1 The Buyer downloads each encrypted File Piece negotiated in each Contract Section from the Seller(s).



4.2 Each Seller encodes a secret message to the PaySwarm Authority containing the decryption Key for each File Piece. The secret message is placed into the Contract Section. The Buyer will upload this secret message to the PaySwarm Authority when they want to authorize payment and unlock each File Piece.

Step 5: Purchasing the License

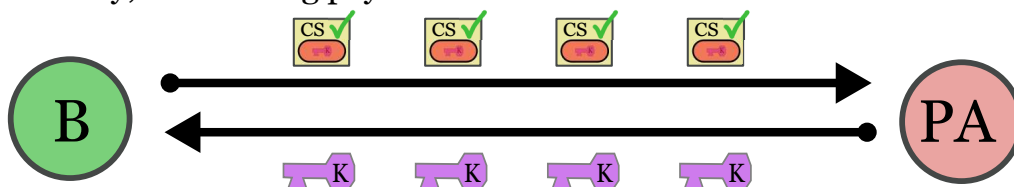
5.1 The Buyer digitally signs the Contract, authorizing payment for the License. The Contract is uploaded to the PaySwarm Authority.



5.2 The PaySwarm Authority disburses money from the Buyer's financial account into the License's royalty accounts.

Step 6: Purchasing the Data

6.1 The Buyer uploads each Contract Section to the PaySwarm Authority, authorizing payment to each Seller.



6.2 The PaySwarm Authority disburses money from the Buyer's financial account into the Seller financial accounts. The decryption Keys for each File Piece are transferred to the Buyer in exchange for payment authorization.

Step 7: Assembling the Data

7.1 The Buyer uses the decryption Keys to unlock each File Piece and assemble the data stream into the final file that was described in the Media and License.

