

Dryad Integration Documentation

Dryad Deposit Handling Documentation

Dryad serves as an international repository of data underlying peer-reviewed articles in the basic and applied biosciences. As such, it allows individuals to log into its website and contribute data submissions (called “deposits”) to scholarly publications (“journals”).

The specific journals, their publishers, and related associations may all be members in the Dryad system, and pay a fee to Dryad to use the deposit repository service. A given journal may be covered by any one of the following payment plans:

1. **Subscription** – in this plan, the journal subscribes to the service and pays a set, recurring fee that covers an unlimited number of deposits into that journal.
 - a. Journal subscription tracked in AA as a membership order of type (**D_SUBS/D_SUBS**)
 - b. Dryad queries for existence of ACTIVE membership of above type by using the [Customer Details Web Service \(censsawebstvclib.get_cust_info_xml\)](#)
 - c. When a deposit takes place, Dryad uses the Post Credits API ([cencredwebstvclib.ins_credit_xml](#)) to insert entries in the Credit History table representing the number of deposits using Credit Type (TX_TY) 'SUBSCRIPTION' and passing the numeric value in the CRED-ACCEPTED field.
2. **Deferred** – in this plan, the journal subscribes to the service and pays a fee at the end of the period based on the number of deposits that were made during that period.
 - a. Deferred subscription tracked in AA as a membership of type (**D_DEF/D_DEF**)
 - b. Dryad queries for existence of ACTIVE membership of above type by using the [Customer Details Web Service \(censsawebstvclib.get_cust_info_xml\)](#)
 - c. When deposit transactions take place in Dryad, Dryad uses the Post Credits API ([cencredwebstvclib.ins_credit_xml](#)) to insert entries in the Credit History table representing the number of deposits used against the deferred account using a Credit Type of 'DEFERRED' and passing the numeric value in the CRED-ACCEPTED field
 - d. Dryad will use the Credit Query API ([cencredwebstvclib.get_credits_xml](#)) to query journal's total DEFERRED entries within a specified timeframe to be used for billing at the end of the period
3. **Prepaid Voucher** – in this plan, a journal pre-purchases a specified dollar value of depository service, which is then used as individuals make deposits into the journal in Dryad
 - a. No membership is tracked in AA for this approach
 - b. The amount purchased translates to a number of vouchers to be determined by Dryad.
 - c. Upon voucher purchase, Dryad uses the Post Credits API ([cencredwebstvclib.ins_credit_xml](#)) to insert the credit entry for the appropriate number of vouchers into the credit history table of the JOURNAL's customer record using credit type of 'PREPAID' and passing the numeric value in the CRED-ACCEPTED field.
 - d. When deposit transactions take place in Dryad
 - i. Dryad would first use the Credit Query API ([cencredwebstvclib.get_credits_xml](#)) to query whether PREPAID credits (vouchers) exist for the journal, and if so, how many
 - ii. Upon a successful deposit, Dryad would use the Post Credits API ([cencredwebstvclib.ins_credit_xml](#)) to decrement the total number of vouchers on for the journal. This would be done by passing a NEGATIVE NUMBER indicating the number of PREPAID vouchers that had been used using credit type of 'PREPAID' and passing the numeric value in the CRED-ACCEPTED field.

Relevant AssociationAnywhere Configuration

1. Credit types (also called Transaction Types or TX_TY in the APIs)
 - a. Configured under Admin > Education > Education > Credit Types/Program
 - b. Usage
 - i. Credit type of SUBSCRIPTION for standard subscription deposits
 - ii. Credit type of DEFERRED for deposits that count against a deferred allotment
 - iii. Credit type of PREPAID for prepaid deposits for a journal
2. Adding credit via back-office
 - a. Go to the customer record
 - b. Navigate to the Credit History subtab.
 - c. Click Create New Credits
 - d. Select desired credit type