

ANZREG Seminar

Rachelle Anne Williams Monash University 7th February 2014

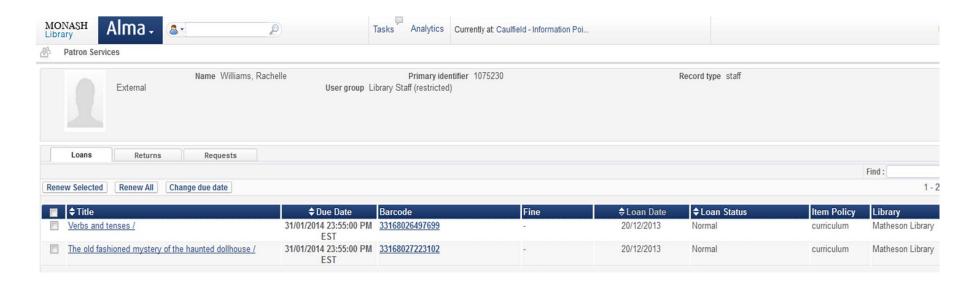


Using the: loan information web services Alma API



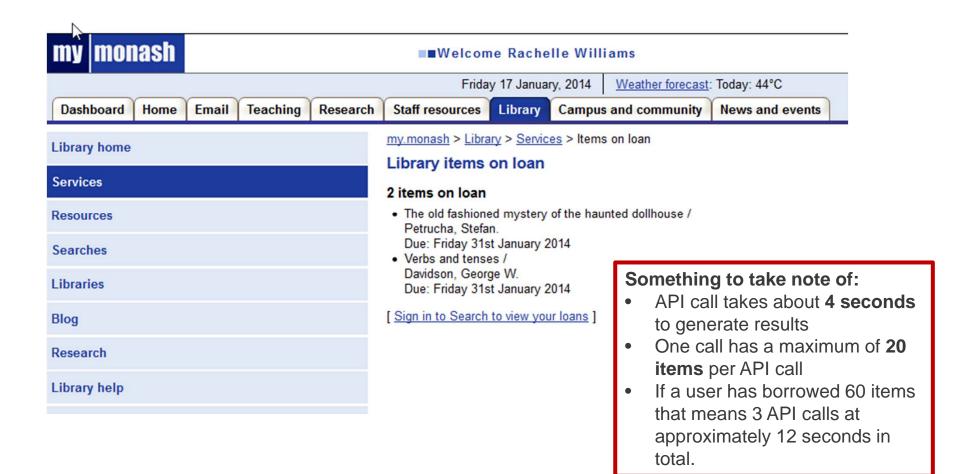
Loans information in Alma

Integration of Alma with our portal and mobile apps



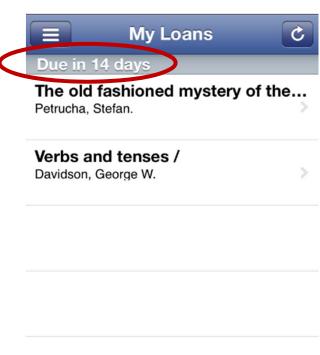


Loans info via Monash Portal





Loans info via Monash mobile app

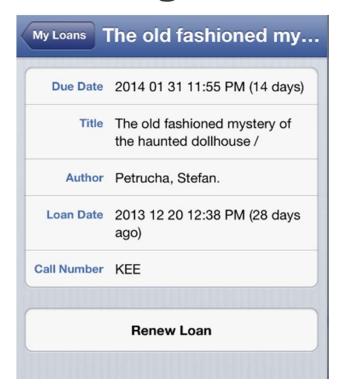


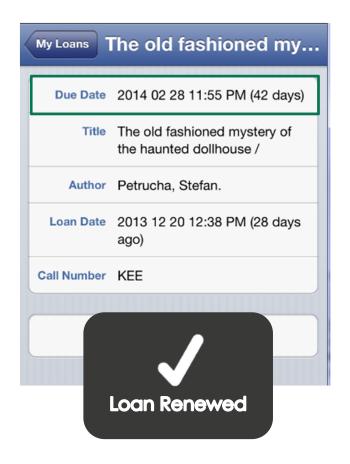
- Resources that are loaned
- Earliest an item is due





Renewing an item







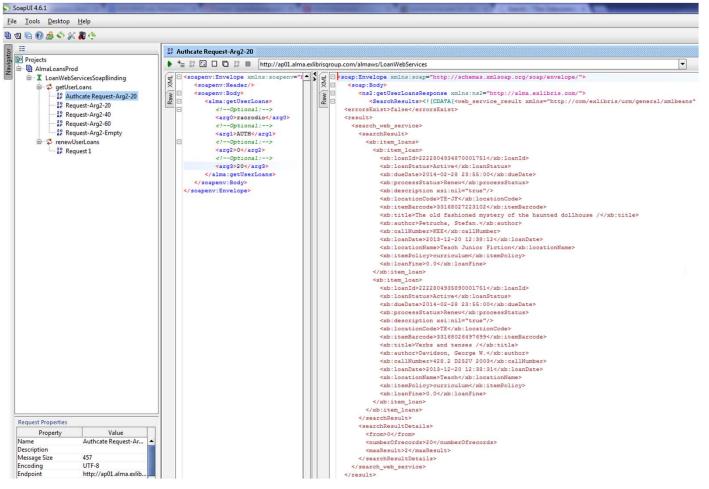
What you need to know

- SOAP/XML messages
 - Used to pass input parameters and read results
- WSDL (Web Services Description Language) definition
 - XML based interface describing the functionality offered. Shows what parameters are expected and returned.
 - https://ap01.alma.exlibrisgroup.com/almaws/LoanWebServices?wsdl
- XSDs input/output of the operations (Refer to Alma Developers Page)
 - XML Schema Definitions available in the Help file
- Roles & Privileges
 - API User Information Read & Write Roles
- Authentication:
 - Username: AlmaSDK-[username]-institutionCode-[inst_code]
 - ex. AlmaSDK-rwilliams-intitutionCode-61MONASH





SOAP/XML example





WSDL Example

```
https://ap01.alma.exlibrisgroup.com/almaws/LoanWebServices?wsdl
🔯 Monash Home 📋 http://akamai-ap01.al... 🌈 Alma 🛴 Primo Admin : Login 📴 Remedy Admin 🗍 Add to My Bookmarks
This XML file does not appear to have any style information associated with it. The document tree is shown below.
- <wsdl:definitions name="LoanWebServices" targetNamespace="http://alma.exlibris.com/">
 -<wsdl:types>
    - <xs:schema elementFormDefault="unqualified" targetNamespace="http://alma.exlibris.com/" version="1.0">
        <xs:element name="getUserLoans" type="tns:getUserLoans"/>
        <xs:element name="getUserLoansResponse" type="tns:getUserLoansResponse"/>
        <xs:element name="renewUserLoans" type="tns:renewUserLoans"/>
        <xs:element name="renewUserLoansResponse" type="tns:renewUserLoansResponse"/>
      + <xs:complexType name="renewUserLoans"></xs:complexType>
      + <xs:complexType name="renewUserLoansResponse"></xs:complexType>
      -<xs:complexType name="getUserLoans">
        -<xs:sequence>
            <xs:element minOccurs="0" name="arg0" type="xs:string"/>
                                                                          Parameters for getUserLoans
            <xs:element minOccurs="0" name="arg1" type="xs:string"/>
            <xs:element minOccurs="0" name="arg2" type="xs:string"/>
            <xs:element minOccurs="0" name="arg3" type="xs:string"/>
          </xs:sequence>
        </xs:complexType>
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     </xs:schema>
    </wsdl:types>
  + <wsdl:message name="getUserLoansResponse"></wsdl:message>
 + <wsdl:message name="renewUserLoans"></wsdl:message>
 + <wsdl:message name="renewUserLoansResponse"></wsdl:message>
 + <wsdl:message name="getUserLoans"></wsdl:message>
 + <wsdl:portType name="LoanWebServices"></wsdl:portType>
 + <wsdl:binding name="LoanWebServicesSoapBinding" type="tns:LoanWebServices"></wsdl:binding>
 - <wsdl:service name="LoanWebServices">
    - <wsdl:port binding="tns:LoanWebServicesSoapBinding" name="LoanWebServicesPort">
        <soap:address location="http://ap01.alma.exlibrisgroup.com/almaws/LoanWebServices"/>
     </wsdl:port>
    </wsdl:service>
 </wsdl:definitions>
```



Alma Developers Page

Alma

Contents Search (

General Description of Alma Web Services

- User Management Web Services
- Fulfillment Web Services
 - Loan Information Web Services
 - Retrieve User Loans
 - Renew User Loans
- User Request Web Services
- Course Management Web Services
- Resource Management Web Services
- Other Web Services

Fulfillment Web Services: Loan Information Web Services: Retrieve User Loans

Retrieve User Loans

This Web service retrieves bibliographic and loan information related to a given user's loan ID, if the input parameters provide a match.

If the input parameters do not provide a match, an error message is returned, stating the reason why the information cannot be retrieved.

Input Parameters ▼

- User identifier A unique identifier for the user.
- Identifier type (optional) The type of identifier that is being searched. If this is not provided, all unique identifier types are used. The values that can table.

MONASH Alma - (6)

RESOURCE MANAGEMENT

Search and Sets

Browse Shelf Listing

Create Inventory

Manage Inventory

Monitor and View Imports

Resource Configuration

Community Zone Undates Task List

Handle issues in Digital File Upload

Add Local DB Add Local Portfolio Add Physical Item Add Digital Representation FULFILLMENT

Resource Requests

Scan In Items

Approve Digitization

Course Reserves

Resource Sharing

Advanced Tools

Bulk Change Due Dates View Restore Request

Items Requiring Action

Courses Reading Lists

Monitor Requests & Work (

E ACQUISITIONS

Package Review

Receiving and Invoicing

Approve Waiting for Payment

Import Processing

Post-Receiving Procession Receiving Department Items Scan In Items

- . From (optional) The first record to retrieve. This is specifically for use in cases where there are many loans. If not supplied, the Web service retrieve
- . Number of records (optional) The number of records to retrieve. If this number is not specified or greater than 20, only 20 records are retrieved.

Possible Error Codes ▼

Possible Error Codes

Code	Message
401650	User identifier is empty.
401651	User not found.
401652	General Error – An error has occurred while processing the request.





Tasks Analytics Currently at Caulfield - Info

Find and Manage Users

Privileges Report

User Management Config Configuration Menu

General Configuration

Analytics

Configuration Menu

Subscribe to Analytics

Thank you!

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