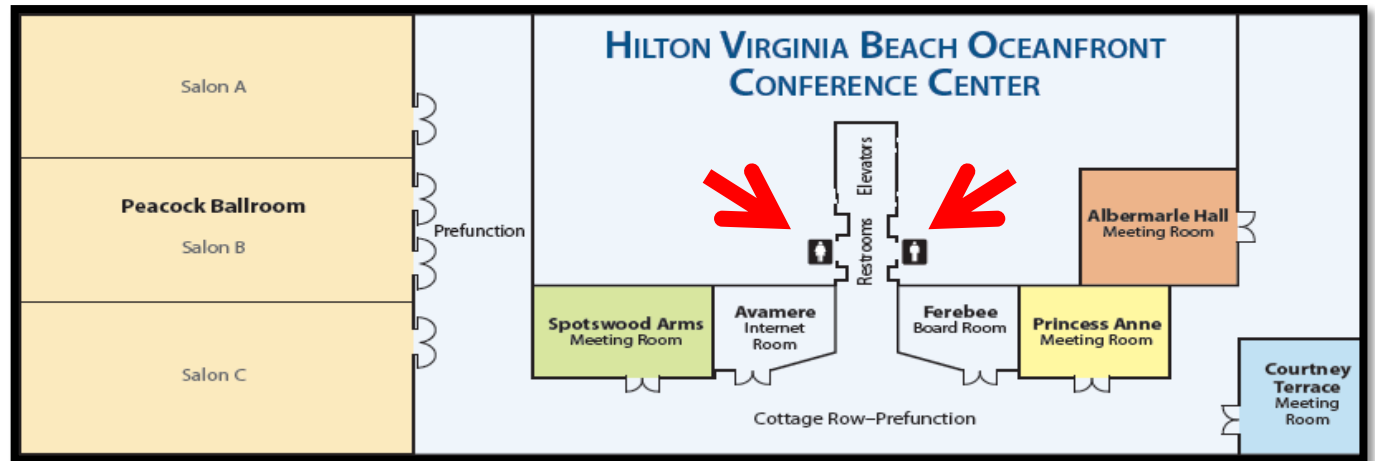
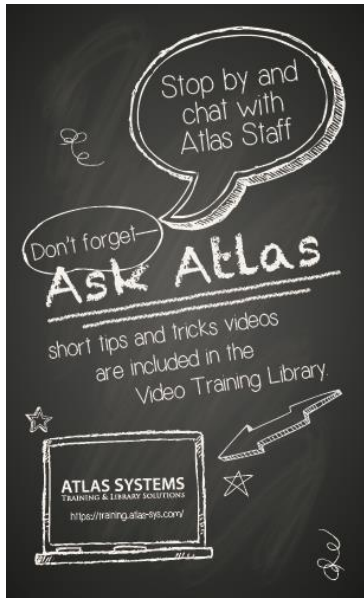




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What do you
think the
Web Platform
is?



What is an API?



“An [open] API, sometimes referred to as a public API, is an application program interface that provides a developer with programmatic access to a proprietary software application.”

-Margaret Rouse

Enterprise architect's guide to API best practices and trends



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What is the Web Platform?



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Used by
ILLiad internals
&
Libraries



Marrying the ILS And ILLiad

BYU Harold B. Lee Library Scott

My Account

My Items **Requests** Courses Reservations Bookmarks

Requests

1 Request

Harry Potter and the chamber of secrets Cancel
Rowling, J. K.
 Position 1 of 1

1 Interlibrary Loan Request

Harry Potter and the sorcerer's stone View
Rowling, J. K.
 In HBLL processing

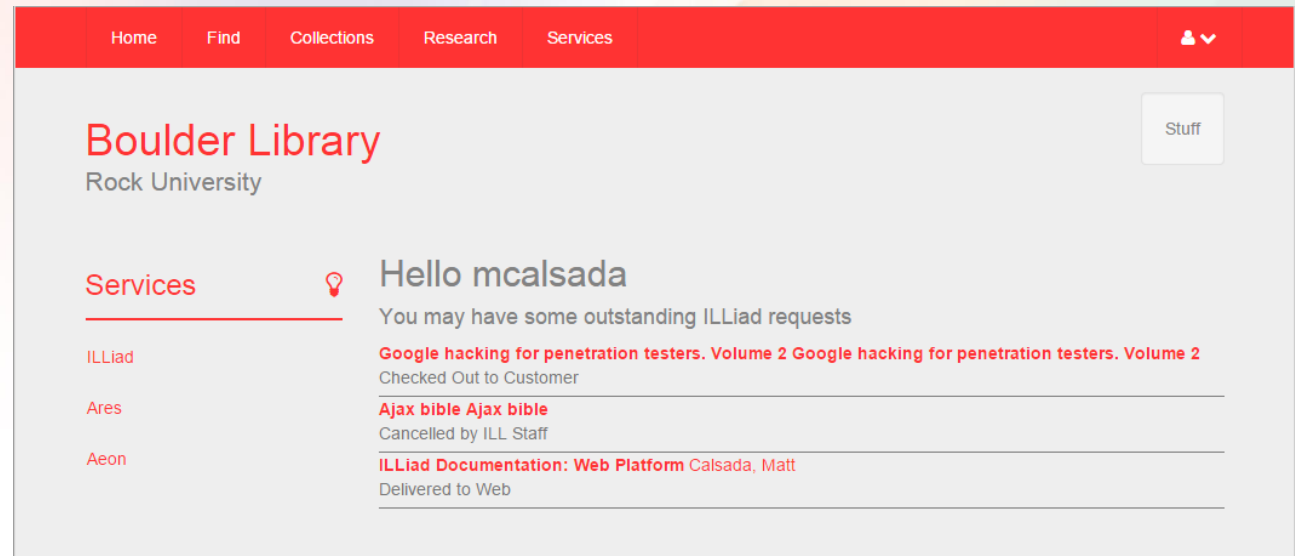
Home [Site Index](#) [f](#) [t](#) [v](#) more P.O. Box 26800, Provo, UT 84602-6800
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Help & Info

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Demo Time

Marrying
the
ILS
And
ILLiad



The screenshot shows the Boulder Library ILLiad interface. At the top is a red navigation bar with links for Home, Find, Collections, Research, and Services, along with a user profile icon. Below the navigation bar, the library name "Boulder Library" and "Rock University" are displayed. A "Stuff" button is visible in the top right. The main content area is divided into two columns. The left column lists services: ILLiad, Ares, and Aeon. The right column, titled "Hello mcalsada", contains a message: "You may have some outstanding ILLiad requests". Below this message are three items: "Google hacking for penetration testers. Volume 2" (Checked Out to Customer), "Ajax bible Ajax bible" (Cancelled by ILL Staff), and "ILLiad Documentation: Web Platform" (Delivered to Web).

*Disclaimer: Not as pretty as BYU's Account Dashboard



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What makes the Web Platform different than addons?



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Web Platform Security



Web Platform

Data Formats

XML vs JSON

```
<ArrayOfTransaction xmlns:i="http://www.w3.org/2001/XMLSchema-  
<Transaction>  
  <AcceptAlternateEdition> true </AcceptAlternateEdition>  
  <AcceptNonEnglish> false </AcceptNonEnglish>  
  <AllowPhotocopies> false </AllowPhotocopies>  
  <Ariel> false </Ariel>  
  <ArticleExchangePassword i:nil="true" />  
  <ArticleExchangeUrl i:nil="true" />  
  <BaseFee i:nil="true" />  
  <BillingAmount i:nil="true" />  
  <BillingCategory i:nil="true" />
```

```
[  
  - {  
    "TransactionNumber": 70,  
    "Username": "mcalsada",  
    "RequestType": "Loan",  
    "LoanAuthor": null,  
    "LoanTitle": "Interlibrary loan practices handbook",  
    "LoanPublisher": null,  
    "LoanStatus": "In Progress"
```



Testing & Getting Data

Postman

<http://www.getpostman.com/>

Runscope

<https://www.runscope.com/>



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Hands On # 1

Testing your own ILLiad Web Platform

<http://illiad.library.edu/ILLiadWebPlatform/>



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Web Platform Documentation

<https://tr.im/z28E2>



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Hands On # 2

Testing your own ILLiad Web Platform

[Round 2]

<http://illiad.library.edu/ILLiadWebPlatform/SystemInfo/PlatformVersion>



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Re-visiting Web Platform Security



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Re-visiting Web Platform Security

Public

VS

Secure



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Hands On # 3

Testing the Secure ILLiad Web Platform

[Round 3]

<https://illiad.library.edu/ILLiadWebPlatform/SystemInfo/SecurePlatformVersion>



Re-visiting Web Platform Security

Protecting your API Keys

Hint: Don't expose it in Javascript

Google Maps Example



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Hands On # 4

Getting User Requests

<https://illiad.library.edu/ILLiadWebPlatform/Transaction/UserRequests/<Username>>



Hands On # 5

Getting User Requests with **Filters**

[https://illiad.library.edu/ILLiadWebPlatform/Transaction/UserRequests/<Username>?\\$filter=TransactionStatus eq 'Request Sent'](https://illiad.library.edu/ILLiadWebPlatform/Transaction/UserRequests/<Username>?$filter=TransactionStatus eq 'Request Sent')



Hands On # 6

Fun with filters

1. Find the items checked out to customer
2. Find the overdue items that are checked out to customer
3. How many overdue items had the final overdue notice sent?
4. What Dr. Seuss title was requested?



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** 8.6 Beta **

Web Platform Documentation



Hands On # 7

Sending a Transaction Notification

<https://illiad.library.edu/ILLiadWebPlatform/Notification/SendTransactionNotification/>



Hands On # 8

Sending a User Notification

<https://illiad.library.edu/ILLiadWebPlatform/Notification/SendUserNotification/>



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Runscope with Web Platform



Future

Create Requests [TBD]

Create Users [TBD]

Get User Requests by TN [Maybe 8.6]



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Thanks!

Matt Calsada

mcalsada@atlas-sys.com

@mcal



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Let's Talk

Questions

Web Platform Uses