

From Symbiosis to Synthesis – Alma and bibliotheca RFID Integration

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Developers Day

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The Starting Point

2 bibliotheca smartserve 600 self check stations

- fully functional at go-live

2 staff workstations

- bibliotheca smartstation™ shielded hardware
- biblioConversion software
- smartstation manager circ software

No integration of Alma UI and bibliotheca hardware

- check-in / check-out via Alma „Manage Patron Services“
- security ON/OFF via bibliotheca smartstation manager circ



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The Long and Winding Road

- go-live without Alma-RFID-integration
- Suggestion of bibliotheca: use smartstation manager circ software
 - no integration
 - only independent setting of security AFI
- Alma release May 2016: integration of Alma and RFID
- Integration Alma-RFID works as described in Developers Network!
- July 2016: bibliotheca Germany agrees to sell necessary licenses

Many times I've been alone
And many times I've cried
Any way you'll never know
The many ways I've tried

© Paul McCartney

The Navigation Aid

As always: RTFM!

<https://developers.exlibrisgroup.com/alma/integrations/rfid>

Alma OLH: „RFID Support“

Get bibliotheca RFID hardware

Install necessary hardware drivers

Configure RFID integration profile in Alma

Install NGINX


<https://nginx.org/>

Install Liber8Connect

Check that ports in NGINX and Liber8Connect software match

The Navigation Aid

Check integration profile:



Actions

RFID Definitions

Active ☒

Server URL *

[RFID Material Type definition](#)

[RFID Item Policy definition](#)

[Mapping of RFID fields to Alma fields](#)

Check nginx.conf – do the ports match?

```
server {  
    listen      5000;  
    server_name localhost;  
    location / {  
        proxy_pass      http://127.0.0.1:53535;  
        proxy_set_header Host      $host;  
        proxy_set_header X-Real-IP $remote_addr;  
    }  
}
```

The Finish Line

RFID integrated in Alma for

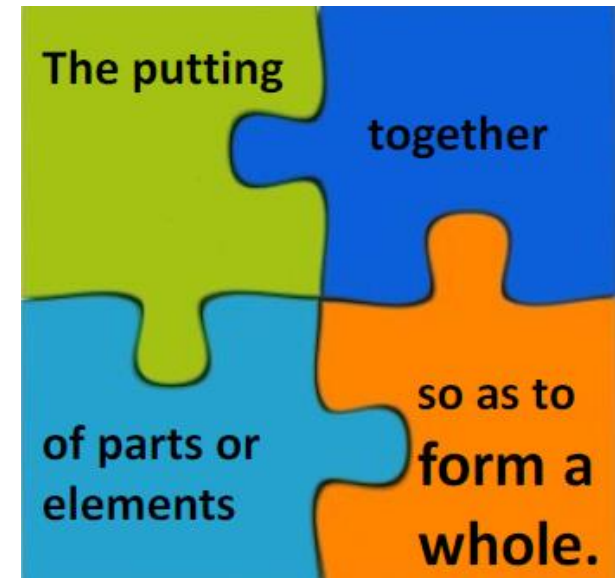
- Repository search
- Persistent search bar

Fulfillment:

- „Manage Patron Services“ (check-in and check-out)
- „Return Items“
- „Scan in Items“

Resource Management / Acquisition

- Physical Item Editor
- Quick Cataloging
- Receive



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Alma Sandbox

Tasks Analytics Currently at: Ausleihzentrum Westflügel ... Help Administrator, A...

Patron Services Done

Patron Maus, Minnie
ID [minnie](#)
User group Mitarbeiter Fak. Jura/VWL
Active balance 0.00 EUR
[Edit Info](#) [Send Activity Report](#) [Send Return Receipt](#) [Send Loan Receipt](#) [Submit Request](#)


Notes User Notes (1)

User has 2 overdue item(s) in this library

On Hold Shelf Items

- 1 User has 5 item(s) waiting for pickup at this desk
- 2 User has 1 item(s) waiting for pickup at AZ_Rueck1 Self Check
- 3 User has 1 item(s) waiting for pickup at AZ_Rueck2 Self Check

Loans Returns Requests

Scan item barcode *  OK Create Item Loan Display This session

Renew All

No records were found.

Done

Alma Sandbox

Tasks Analytics Currently at: Ausleihzentrum Westflügel ... Help Administrator, A...


Physical Item Editor Cancel Write to RFID and Save Save

Resource description [The hobbit and philosophy : for when you've lost your dwarves, your wizard, and your way / Wiley Hoboken, N.J. : 2012 \[0470405147\]](#)

Holding [BB A3: Benutzungsbereich: 500 HN 8405 B319](#) View all holdings
Barcode 920146561 View all items

Process type -

Summary General Information ENUM/CHRON information Notes History

Barcode 


Copy ID

Item policy BB Standard

Is Magnetic No

Material type Book

Provenance

PO line 13230 

Issues and Suggestions

Issues

- Cost – one license of Liber8Connect sells at 500,-- Euro

Suggestions

- Check-in and check-out of several items in bulk should be possible
- Display of RFID buttons should be depending on the presence of installed RFID hardware



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