

# LibID, should my library have?

Wiktor Rzeczkowski  
McMaster University Library

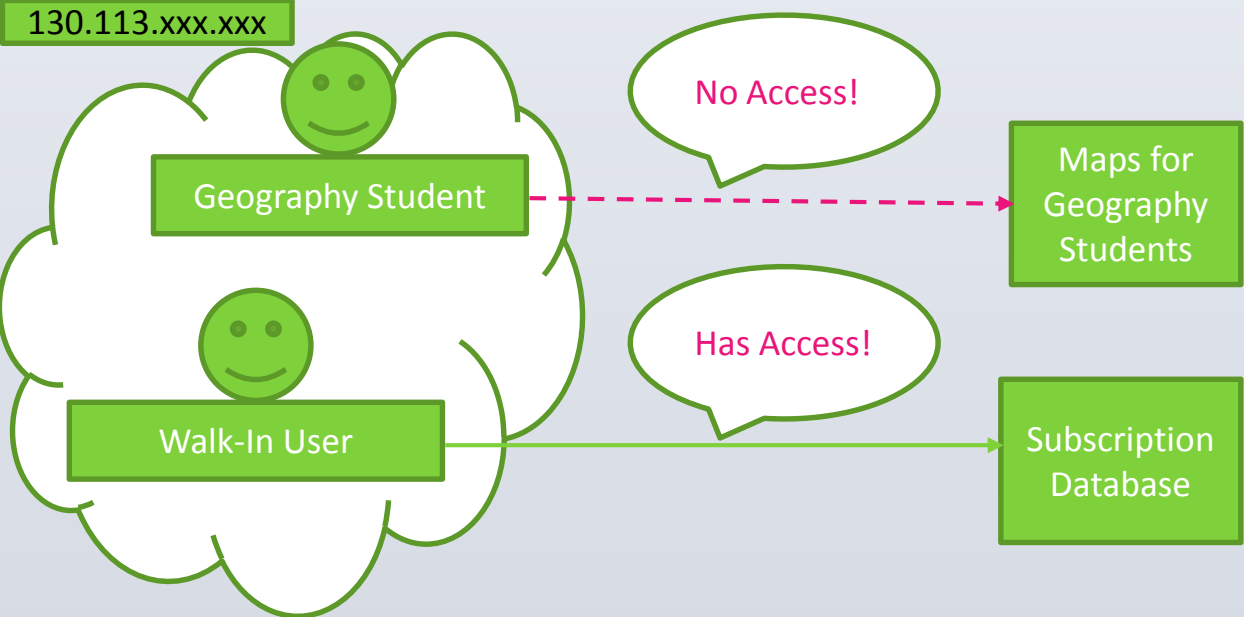
## ABSTRACT

LibID is an authorization-based service model for control of access to library online resources. LibID can help libraries to

- address access control problems
- provide better service
- achieve better service recognition

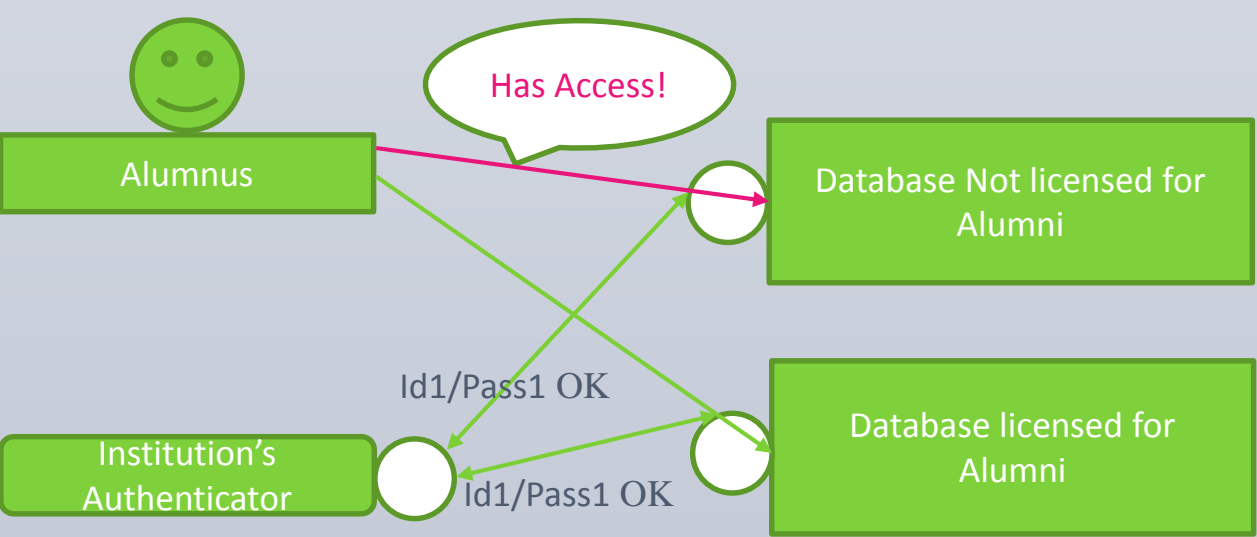
## ACCESS CONTROL PROBLEMS

### Control by institution's IP address range



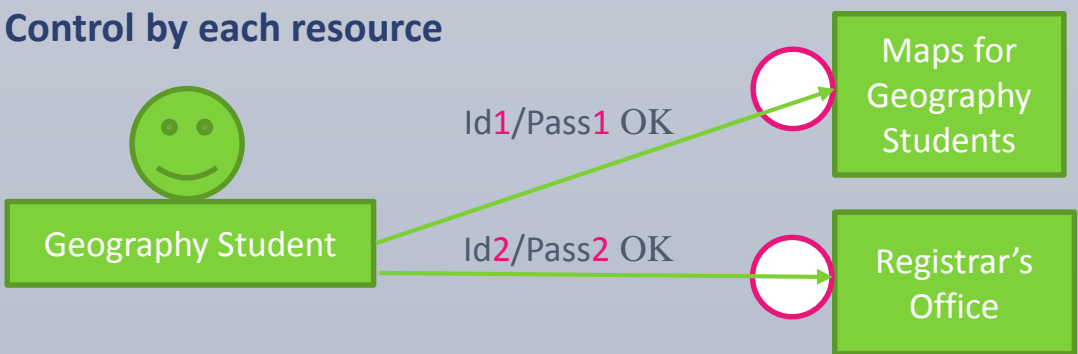
- No id/password needed, but some resources cannot be accessible, others can be accessible by ineligible users.

### Control by dedicated single authenticator



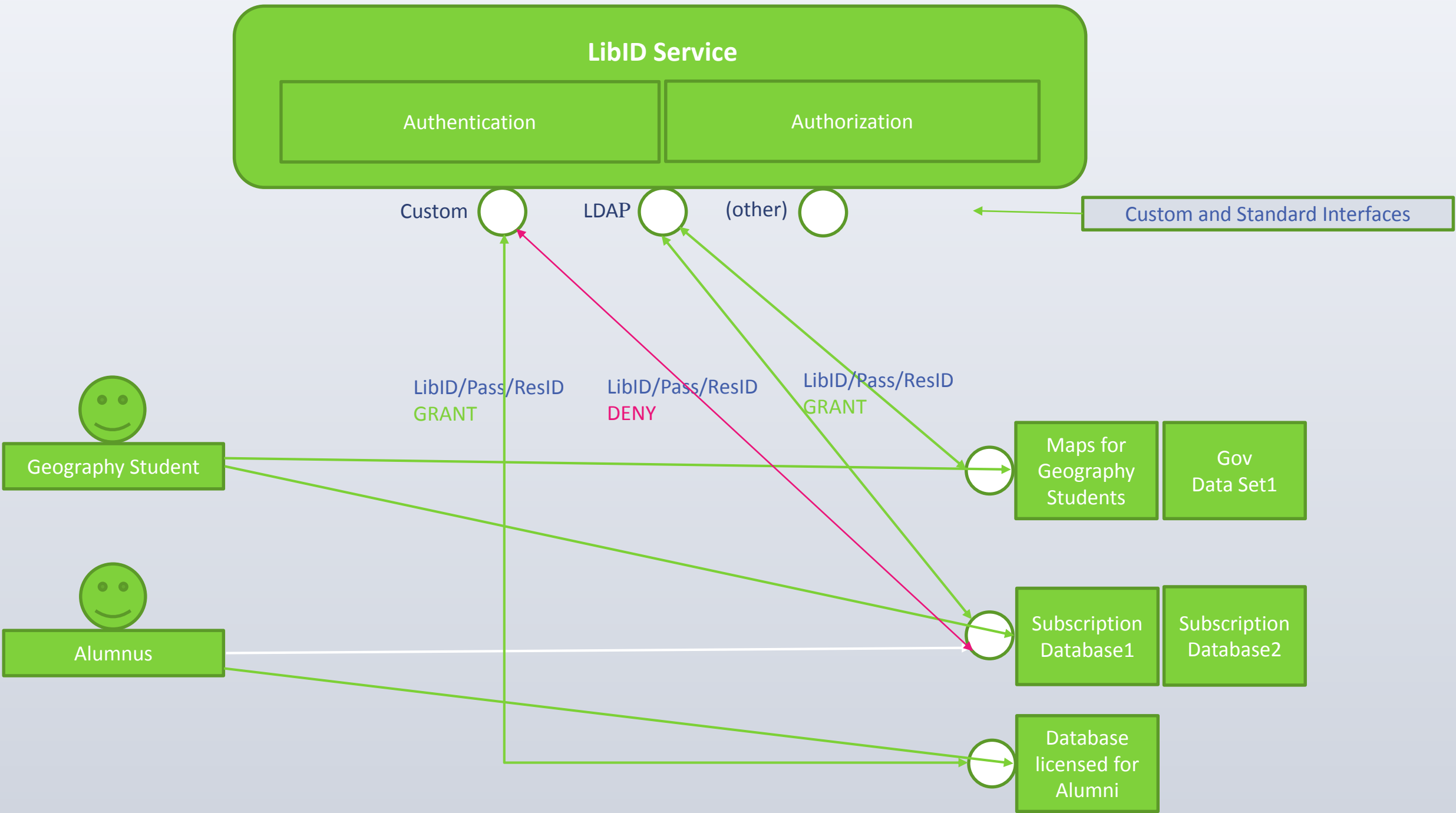
- Single id/password for multiple resources, but access by ineligible users can occur.

### Control by each resource



- Id/password for each resource, resource must be able to determine eligibility

## LibID AUTHENTICATION and AUTHORIZATION



- LibID receives three parameters, the user's LibID ID and password plus the resource ID, and determines if the user should be permitted to access the resource or not
- E.g., LibID determined that access by Alumnus to the subscription database should be denied
- LibID supports multiple service interfaces.
- E.g., a Drupal-based resource could use LibID LDAP interface to determine if access should be granted or denied

## CAN ACCESS BE GRANTED FOR (libalex,alexPass,r2) ?

LibID ID	Password	Name	Major
libagata			
libalex	alexPass	Alex Fox	Geography
libpaul			

LibID ID	Resource ID	Resource ID	Resource Name
libagata	r1	r1	
libalex	r1	r2	Geography maps
libalex	r2	r3	

LibID Authenticates:

alexPass is the correct password for libalex (Alex Fox) - AUTHENTICATED

LibID Authorizes:

libalex is authorized for resource r2 (Geography maps) - ACCESS CAN BE GRANTED

## CONCLUSIONS

### Better Access Control

- Any library resource accessible by authorized users
- Any library resource accessible only by authorized users
- Access authorizations for user groups and resource groups
- Better adherence to resource license terms

### Better Service

- Access to more limited-access resources
- Access to limited-access resources by more authorized users
- Access to limited-access resources by authorized external users
- Access to any authorized resource with a single library LibID ID and password
- Per LibID ID customized authorized resource menus and personalized services

### Better Service Recognition

- When received through library own LibID, library services are recognized better
- Fine resource authorization capability is distinctive

## RELATED WORK

- LERA – Library Electronic Resource Authorization  
Wiktor Rzeczkowski, McMaster University Library  
Support for authorization of individuals and groups  
In service (for over 10 years)
- ORB – Online Resource Buddy  
Bringing authorized remote CD-ROM databases to user's Windows desktop  
Wiktor Rzeczkowski, Franco Zizzo, McMaster University Library, 2005
- LDAP authentication/authorization  
Wiktor Rzeczkowski, Matt McCollow, Debbie Lawlor, John Fink  
McMaster University Library, 2015  
In service

### Note on term LibID

- To mean the library authentication and authorization service, first used late in 2014 by Wiktor Rzeczkowski at McMaster University Library
- Inspired by MacID, the name of McMaster University authentication service
- LIBID is an acronym for London Interbank Bid

## CONTACT

Wiktor Rzeczkowski, PhD (et al)  
McMaster University Library  
1280 Main Street West  
Hamilton, Ontario, L8S 4L6  
rzeczkow@mcmaster.ca

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