External Authentication

Focus Group
Collaboration: Who and When

Fall 2016 - Summer 2017

Members of IGeLU, ELUNA and Ex Libris Begin Discussions About Retiring Internal Authentication in Alma

ELUNA and IGeLU Steering Committees Charge the Authentication Focus Group (AFG)

Michael North (Co-Chair), Northwestern University, ELUNA SC
Mark Dehmlow (Co-Chair), University of Notre Dame, IGeLU SC
Paul Joseph, University of British Columbia, ELUNA SC
David Allen, State Library of Queensland, IGeLU SC
Collaboration: Who and How

Meetings with Ex Libris staff - Bar Veinstein, Dvir Hoffman, Josh Weisman

Collaboration with user community: Surveys (2)

Survey 1: Assess Potential Impact on Community

Survey 2: Survey of Existing and Planned Institutional Identity Management Systems

Survey 3: Assess Community Ability to Implement Proposed Options (Coming Soon)

Ongoing Review and Evaluation of 3rd party External Authentication Services by AFG and Ex Libris
AFG and ExLibris Work Areas Review

Work Review Broken Down into These Areas:

- Technical Requirements of Identity & Access Management (IAM) Services to Support Alma Authentication
- Institutional IAM Issues, Policies, and Methods
- Review of Social Media Authentication
- Review of Commercial Identity as a Provider (IaaP) Services
- Review of Passwordless Services (Sign-in via email)
Identity & Access Management (IAM) Requirement Services to Support Alma Authentication

AFG Reviewing:

<table>
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<tr>
<th>INSTITUTIONAL REQUIREMENTS</th>
<th>SOLUTION FEATURES</th>
<th>ADDITIONAL CONSIDERATIONS</th>
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<tbody>
<tr>
<td>☑ Meets Institutional ID Security/Privacy</td>
<td>☑ Free and Fee-Based Service</td>
<td>☑ Applications to Sync Alma to the ID system</td>
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<tr>
<td>☑ Institutional Additional Staffing Impacts</td>
<td>☑ Cloud Hosting vs. Local Hosting</td>
<td>☑ Consortia: Multiple Auths and/or Combined with Social Media Auth</td>
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<td>☑ Additional Institutional Knowledge</td>
<td>☑ User Limits</td>
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<td>☑ Levels of Institutional Responsibility for ID Product/System</td>
<td>☑ 2-Factor Authentication Compatible</td>
<td>☑ Ease of Use for the Patron</td>
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<td>☑ Institutional Workflow</td>
<td>☑ Integrates with Ex Libris Products</td>
<td>☑ Ex Libris Ability to Support the Institutional Auth System</td>
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Institutional Authentication Methods Review

Issues Surrounding Institutional Authentication Methods and Policies (Library vs. Central IT) (Issues Surrounding Non-institutional Patrons without Institutional ID’s - (a) a few of these (b) many of these (c) not part of institutional authentication system

Central University Auth Enterprise Services vs. Library (Services and Support)

Common Methods:

- LDAP
- Shibboleth
- CAS
Social Media Authentication Review

Background for Social Media Authentication Usage

Focus on OAuth - Facebook, Google, Twitter

Some Sites are Looking at LinkedIn or Other Social Media Authentications

Already Available in Primo! Coming for Alma (Staff) Soon
Commercial IaaP Services Review (Identity as a Provider)

Azure (Free and Enterprise)

Auth0

OneLogin (Free vs. Fee)

Others Under Consideration or Review? Okta?

Ex Libris Hosted Under Investigation
Passwordless (Sign-in via email) Services Review

Passwordless Authentication Methodology

Available for Primo (patrons) in June 2017

Ex Libris Commitment to Passwordless Authentication for Alma (staff)

No Availability Date Yet
Moving Forward: What is Coming Next!

Finish Assessment

Matching Authentication Features Against the Preliminary Survey of Customer Needs
Will be Used to Update the Requirements Matrix

Present options to Customers in Third Survey

Results About How Customers Feel Their Needs are Met by Proposed Solutions Will be Published to Community

Review Results and Determine Additional Steps
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<th>ACRONYMS</th>
<th>DESCRIPTION</th>
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<td>Lightweight Directory Access Protocol</td>
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<td>CAS</td>
<td>Central Authentication Service</td>
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<tr>
<td>OAuth</td>
<td>Open Standard for Authorization</td>
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THANK YOU!