



Server Side Solution

- The "library tool" would:
 - -Require buy-in of content providers to serve it
 - Need server infrastructure to retrieve tool configuration based on user's affiliation
 - Be limited by what can be done in HTML/mashup
 - E.g., can't enhance browser
- · Example:
 - -Google Scholar + OpenURL Server

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Client Side Solution

- The "library tool" would not:
 - Require buy-in of content providers
 - Need server infrastructure (or very minimal)
- The "library tool" could:
 - Take advantage of a richer user interface
 - Customized and enabled/disabled by the user

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The LibX Plugin

- Client-side library tool
- Uses browser extension technology
 - Integrates into the browser's rich user interface
 - -Can provide services on all web pages
 - -Does not require server support to operate



Firefox vs Internet Explorer



- LibX Firefox
 (2005)
- Written in XUL + JavaScript
- Uses Firefox extension architecture (overlays)
- Easy implementation
- Open source environment
- Sufficient documentationWritten by Annette Bailey,
- Godmar Back, and Mike Doyle
- LibX IE
- (beta release 2007)Written in C#/.Net and JavaScript
- Uses .Net/COM Interop
- Highly complex to implement
- Closed source environmentPoor documentation &
- limited support

 Written by Nathan Baker (MS
- thesis)
 Funded by IMLS National Leadership Grant

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What LibX Can Provide

- Direct Access to Catalog(s) and Databases
 - Integrated toolbar
 - Smart context menu
- Direct access to OpenURL resolver(s) to find appropriate copy
 - Directly via toolbar or indirectly through Google Scholar
- · Remote Access Proxy
- Web Localization
 - Research companion that "hints" at library resources by placing cues into page
 - Autolinking
 - Support for COinS

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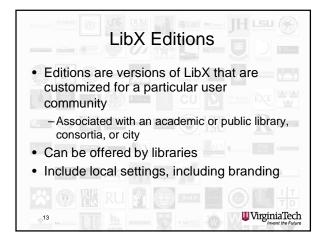


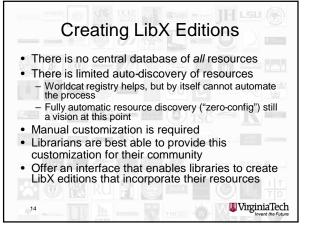
Library resources are local

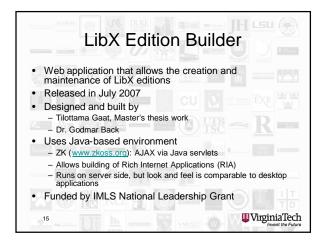
- Libraries provide different services
 - Local resources: catalog types, OpenURL resolver, e-Journals lists, local databases, subject pages/guides, consortia catalogs, licensed citation software
 - Many custom settings ("search scopes," local indices, local ERM) that reflect local circumstances

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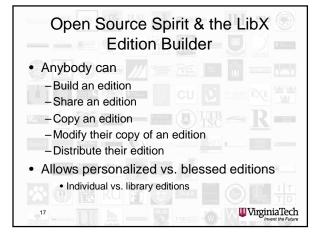
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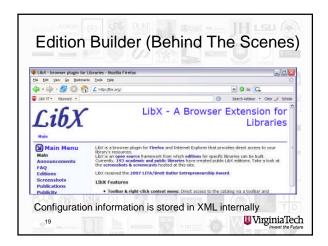


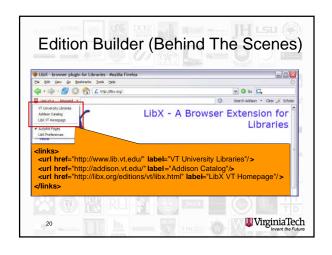


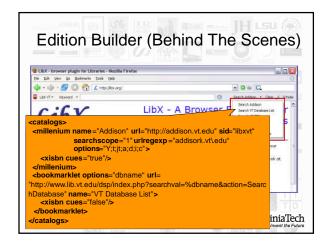


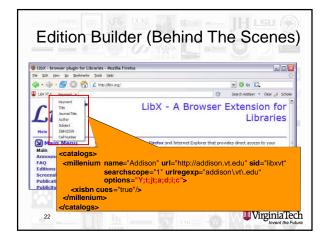












Auto Detection Features

- LibX Edition Builder attempts to help user with their configuration

- Contacts OCLC Registries
- OpenURL Resolver Registry (by IP address)
- Worldcat Registry (by OCLC institution ID)

- Contacts catalog servers directly
- Heuristic guesses for server fingerprints, e.g., Ill returns
Server: III 100 in its response

- Keeps and consults own database of catalogs already configured

- Next slide shows how these features work together

