Search Catalog and A to Z
HTML Code for Web Pages
Guide
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1 My URLs, CyberJ Setup, and HTML Code

1.1 Overview to My URLs, CyberJ Setup, and HTML Code

Function [My URLs, CyberJ Setup, and HTML Code] displays a library’s specific URLs for Staff Function, Circulation Only Function, and Patron Self-Loan. It also displays their setup values for the CyberJ Desktop Client. This function also displays URLs for the OPAC, A to Z Groups, and OpenURL. Lastly, this function generates HTML form code for Search Catalog and A to Z that can be inserted into any HTML web page.

Regarding Staff Functions, Circulation Only Functions, and Patron Self Loan, you have the choice between two desktop clients for Internet access: any browser that runs Java or the CyberJ Desktop Client. The CyberJ Desktop Client is found at

http://cybertoolsforlibraries.com/library/library.php#BCUI

- Install CyberJ Client for Windows
- Install CyberJ Client for Windows NoVM, install.exe only
- Install CyberJ for Java 6 download jar
- Install CyberJ for Java 7 download jar
- CyberJ Client Installation and User Guide

This is the same CyberJ Java program that runs in the bottom panel of the small browser that connects to Staff Functions when running from the library’s home page with CyberTools i.e., the page that looks something like this in a browser:

CyberTools for Libraries Catalog Functions
My Organization's Name Here

My Library's Name Here

1. Search the Catalog (a.k.a. HTML OPAC)
2. Search the Catalog for the Visually Impaired
3. Staff Functions (port 20004 CyberTools standard)
4. Staff Functions via best Firewall Backdoor (port 21 ftp)
5. Staff Functions via old Firewall Backdoor (port 443, but not secure)
6. Staff Functions via new Firewall Backdoor (port 21 telnet)
7. Staff Functions via Tunnel
8. Staff Functions via FIPS mode Secure Tunnel
9. Circulation Functions (port 20004 CyberTools standard)
10. Circulation Functions via best Firewall Backdoor (port 21 ftp)
11. Circulation Functions via old Firewall Backdoor (port 443, but not secure)
12. Circulation Functions via new Firewall Backdoor (port 21 telnet)
13. Circulation Functions via Tunnel
14. Circulation Functions via FIPS mode Secure Tunnel
15. Help
The CyberJ Desktop Client manifests several advantages over CyberJ in the browser. It does not need to download to the workstation each time a user runs a library application. No download means the CyberJ Desktop Client starts immediately. It can also overcome many firewall problems. The CyberJ Desktop Client is recommended for Staff Functions, Circulation Only, and Patron Self Loan. The CyberJ Desktop Client first needs to be installed (see the above link).

If the library does not use the CyberJ Desktop Client, then the supplied URL must be used with a browser. When the function is running in the small browser with the CyberJ applet in the browser's bottom panel then you should "Add to Favorites" for Internet Explorer or Bookmark the link in all other browsers. The final step is to drag this Favorite/Bookmark to the desktop for easy access.

1.2 My URLs, CyberJ Setup, and HTML Code

1.3 Fields: My URLs, CyberJ Setup, and HTML Code

1.3.1 Field 1 Function Keys

1.3.2 Field 2 Function: mandatory

Menu Style: Radio Button/Check Box

Staff Function URL & CyberJ Setup
Circulation Only URL & CyberJ Setup
Patron Self Loan URL & CyberJ Setup
OPAC URL
Search Catalog HTML Form
A to Z URLs
A to Z HTML Forms
Old CyberTools OpenURL
ANSI OpenURL
Purpose: the Function menu selection determines the application for which the appropriate URL or HTML form code will be displayed. URLs and other information can be displayed for Staff Functions, Circulation Only, Patron Self Loan, OPAC, or A to Z. In addition, OpenURLs for specific resources can be displayed in either CyberTools proprietary mode or ANSI Z39.88.

These options:

- Staff Functions URL & CyberJ Setup
- Circulation Only URL & CyberJ Setup
- Patron Self Loan URL & CyberJ Setup

produce output as follows:

Setup values for the function Patron Self Loan via mode Direct
CyberJ Desktop Client New/Edit Application field values

Application Name = Patron Self Loan
Remote IP or Node Name = 127.0.0.1
Remote Port# = 20001
Use Tunnelling Only? NOT SELECTED
Make Default Application? NOT SELECTED UNTIL IT WORKS
Tunnelling URL = LEAVE BLANK
Xecute string or Application Key = MyLibraryIdPSL
Router IP or Node Name = MyServer
Router Port# = 20004
Use CyRouter? SELECTED
End of CyberJ Desktop Client setup.
Run the CyberJ Desktop Client, select Application then New or Edit, and copy the above values into the CyberJ fields.

==================================================================
URL for your browser:
http://MyServer/MyCyberToolsRoot/library_bootstrap.html?xec=MyLibraryIdPSL&UseRouter=1&mnode=127.0.0.1&mport=20001&portnum=20004

If the library chooses to continue with the browser then the value from "URL for your browser" is used. If the library is running the CyberJ Desktop Client then the top part of the display is copied to the client.

OPAC URL will display a format similar to this:

http://MyServer/MyTomCatPath/CyberHTML?MyLibraryIdHO
The Search Catalog HTML Form generates HTML form code that can be inserted into any HTML page. The form will be similar to this:

```
<HTML><HEAD><TITLE>Search Catalog</TITLE></HEAD><BODY>
<!-- Remove the first, second, and last lines when inserting into an existing HTML page.-->
<form action="http://MyServer/MyTomCatPath/CyberHTML" method="get">
  <input name="MyLibraryIdLINK&url_ver" type="hidden" value="Z39.88-2004">
  <label for="KEYWORD">Keyword</label>
  <input id="KEYWORD" name="KEYWORD" size="25" type="TEXT">
  <input type="submit" value="Search">
</form>
</BODY></HTML>
```

This form is using the CyberTools OpenURL. It can vary the query, e.g., instead of KEYWORD it can use TITLE, ISSN, ISBN, etc. Please see the CyberTools OpenURL documentation on the Knowledge Center web site.

When A to Z URLs is selected, the URL for the primary/default A to Z list is displayed. That display is followed by the URL for each A to Z list. For example:

URL to primary/default A to Z List:  
http://MyServer/MyTomCatPath/CyberHTML?MyLibraryIdA2Z

Biography:  
http://MyServer/MyTomCatPath/CyberHTML?MyLibraryIdA2Z+BIO

Fiction:  
http://MyServer/MyTomCatPath/CyberHTML?MyLibraryIdA2Z+FCTN

Journals:  
http://MyServer/MyTomCatPath/CyberHTML?MyLibraryIdA2Z+JRNL

If "A to Z HTML Forms" is selected, the program will show the HTML that can be added to your home page to display each individual group, and also the HTML that will display all the groups together. The form will be similar to this:

```
<HTML><HEAD><TITLE>Journals, Print by Title</TITLE></HEAD><BODY>
<!-- Remove the first, second, and last lines when inserting into an existing HTML page.-->
<form action="http://MyServer/MyTomCatPath/CyberHTML" method="post">
  <input name="cyAppID" type="hidden" value="MyLibraryIdAZP">
  <input name="GRPTS" type="hidden" value="jp~1">
  <H3>Journals, Print by Title</H3>
  <INPUT type="submit" class="pb" name="CHAR1_A" value="A">
  <INPUT type="submit" class="pb" name="CHAR1_B" value="B">
  * * * S N I P * * *
  <INPUT type="submit" class="pb" name="CHAR1_Z" value="Z">
  <INPUT type="submit" class="pb" name="CHAR1_~" value="?123">
</form>
</BODY></HTML>
```
The "Old CyberTools OpenURL" is provided for legacy applications. The "ANSI OpenURL" is the preferred format. It is used by link resolvers and for persistent OPAC links.

The ANSI OpenURL format will be similar to this:

```
http://MyServer/MyTomCatPath/CyberHTML?MyLibraryIdLINK
&url_ver=Z39.88-2004
```

1.3.3 Field 3 Mode: mandatory

Menu Style: Radio Button/Check Box

Menu Values:
- Default: port 20004 with tunnel fail-over
- Direct: port 20004 with no fail-over
- Best Firewall Backdoor via port 21
- Old Firewall Backdoor via port 443, not SSL
- Alternate Firewall Backdoor via port 23
- Tunnel via FIPS mode Secure Tunnel

Purpose: field Mode determines how the workstation will access the server. These options are paired with the Function options

- Staff Function URL & CyberJ Setup
- Circulation Only Functions URL & CyberJ Setup
- Patron Self Loan URL & CyberJ Setup

The choice should be made based on the library's experience running Staff Function from the library's home page with CyberTools i.e., the page that looks something like this in the browser:

```
CyberTools for Libraries Catalog Functions
My Organization's Name Here
```

```
My Library's Name Here
```

1. Search the Catalog (a.k.a. HTML OPAC)
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7. Staff Functions via Tunnel
8. Staff Functions via FIPS mode Secure Tunnel
9. Circulation Functions (port 20004 CyberTools standard)
10. Circulation Functions via best Firewall Backdoor (port 21 ftp)
11. Circulation Functions via old Firewall Backdoor (port 443, but not secure)
12. Circulation Functions via new Firewall Backdoor (port 21
Choose the Mode based on the library's typical selection from the above menu for Staff Functions (number 3 through 8). ("Staff Functions" corresponds to "Direct").

Mode Default will attempt to connect to the server via CyRouter on port 20004. If it fails then CyberJ will attempt to tunnel.

Mode Direct will attempt to connect to the server via CyRouter on port 20004.

Mode Best Firewall Back Door will attempt to connect to the server via CyRouter on port 21.

Mode Old Firewall Back Door will attempt to connect to the server via CyRouter on port 443.

Mode New Firewall Back Door will attempt to connect to the server via CyRouter on port 23.

Mode Tunnel will attempt to connect to the server via tunnelling on port 80.

Mode Secure Tunnel will attempt to connect to the server via tunnelling using secure HTTP (https) with FIPS encryption. For more on FIPS, see:

http://cybertoolsforlibraries.com/library/secure_sessions.pdf

1.3.4 Field 4 Custom Help URL for Patron Self Loan: 180 characters

Purpose: Field Custom Help URL for Patron Self Loan is a URL whose contents should appear in the top panel of the small browser that runs the CyberJ applet. Its contents are typically library specific instructions to the patrons.

For example, a localized file name might be:

http://my_Intranet/patron_self_loan_instructions.html

1.3.5 Field 5 Choice of the Target Device: tab stop

Purpose: To specify the target device for the output. The choices typically are Workstation, Printer, File, or an E-mail address.

Menu Style: Push Button

Menu Values:
Workstation
Printer
File
E-mail
Close
Help
2 A to Z Group Edit

2.1 Overview to A to Z Group Edit

The A to Z Group edit is accessed from either the Cataloging menu or the Properties menu. An A to Z Group represents an aggregation of bibliographic records on the A to Z pages. For example, a Group might be Databases, eBooks, eJournals, Consumer Health DVDs, Games, etc.

A bib can be assigned to 99 different A to Z Groups.

An A to Z Group ID can be applied to a bib, or in the first three cases to bibs, via functions:
- Serials->Serial Properties;
- Batch Control->Tools;
- Properties->Circulation Locations;
- Batch Control->Edit Bib->Brief Bib Editor or MARC Editor.

2.2 A-Z Group Edit

2.3 Fields: A-Z Group Edit

2.3.1 Field 1 Function Keys

2.3.2 Field 2 A to Z Group Short Identifier: 15 characters

Purpose: field A to Z Group Short Identifier is an alphanumeric code which uniquely represents an A to Z Group. Patrons do not see this code. It is used by the A to Z librarian and the software, but it is created by the librarian. An A to Z Group Short Identifier cannot be changed, but it can be removed or its members can be merged into another A to Z Group.

The A to Z Group Short Identifier is entered into a table before it can be listed. If a leading portion of the Short Identifier is typed and the user presses Enter, then all matching identifiers are displayed. If a value is typed and is not matched, then the software confirms that the librarian is creating a new A to Z Group Short Identifier, thus a new A to Z Group.

Example: DVDs, eBooks, eJournals, Fiction, Games, SERIALS, are common Short Identifiers.
2.3.3 Field 3 Add Group:

Purpose: the function [Create New] is an overt means of creating a new A to Z Group. The invoked function pops-up a window to create a new A to Z Group Short Identifier.

A new A to Z Group can also be created by simply typing in a new A to Z Group Short Identifier.

Menu Style: Push Button

Menu Values:
Create New

2.3.4 Field 4 A to Z Group Name:  60 characters

Purpose: The A to Z Group Name is displayed to the patron on the A to Z web pages. It is unrestricted free text.

2.3.5 Field 5 Open A to Z with this group:

Purpose: If there are more than one A to Z Groups, when the patron initially views the A to Z lists, the group that has been specified as “Open A to Z with this group” is initially displayed.

If no group is specified, then the groups are listed alphabetically and the first group in the alphabet is utilized.

If more than one group is specified, then the first selected group in the alphabetic listing of groups is utilized.

Menu Style: Radio Button/Check Box

Menu Values:
Open A to Z with this group

2.3.6 Field 6 A to Z Type:  mandatory

Purpose: To specify a second display category (in addition to titles) for the A to Z group. By default, a list of subjects is created (from tags 650 and 690). This can be modified to a list of personal names from tag 600 (for category biography) or a list of authors from tag 100 (for category fiction).

2.3.7 Field 7 Controls:

Purpose: To specify an action that controls the window’s flow. [Ok] will save and apply the displayed values, whereas [Cancel] will reject the changes. [Help] will display all of the documentation for the window. Press the Help key for context sensitive help for each field.

Format: It is an action that toggles the push button.

Function [Remove] will remove an A to Z Group. It will also remove the Group ID from all associated MARC bibliographic records.
Function [Move] will move the records in one A to Z Group to another A to Z Group.

Function [Review] will create a list of all bibs in the A to Z groups. This list can then be printed or viewed from the OPAC Save Results.

Function [A to Z URL] displays the URL that opens this A to Z Group.

Function [A to Z HTML] creates HTML form code that can be inserted into any web page. The code displays the Descriptive Name and the A to Z push buttons. When a button is selected, the form uses the CyberTools OpenURL to list the titles or subjects. Please see function [My URLs, CyberJ Setup, and HTML Code] for more information.

Menu Style: Push Button

Menu Values:
Ok
Cancel
Help
Move...
Remove...
Review...
A to Z URL...
A to Z HTML..