

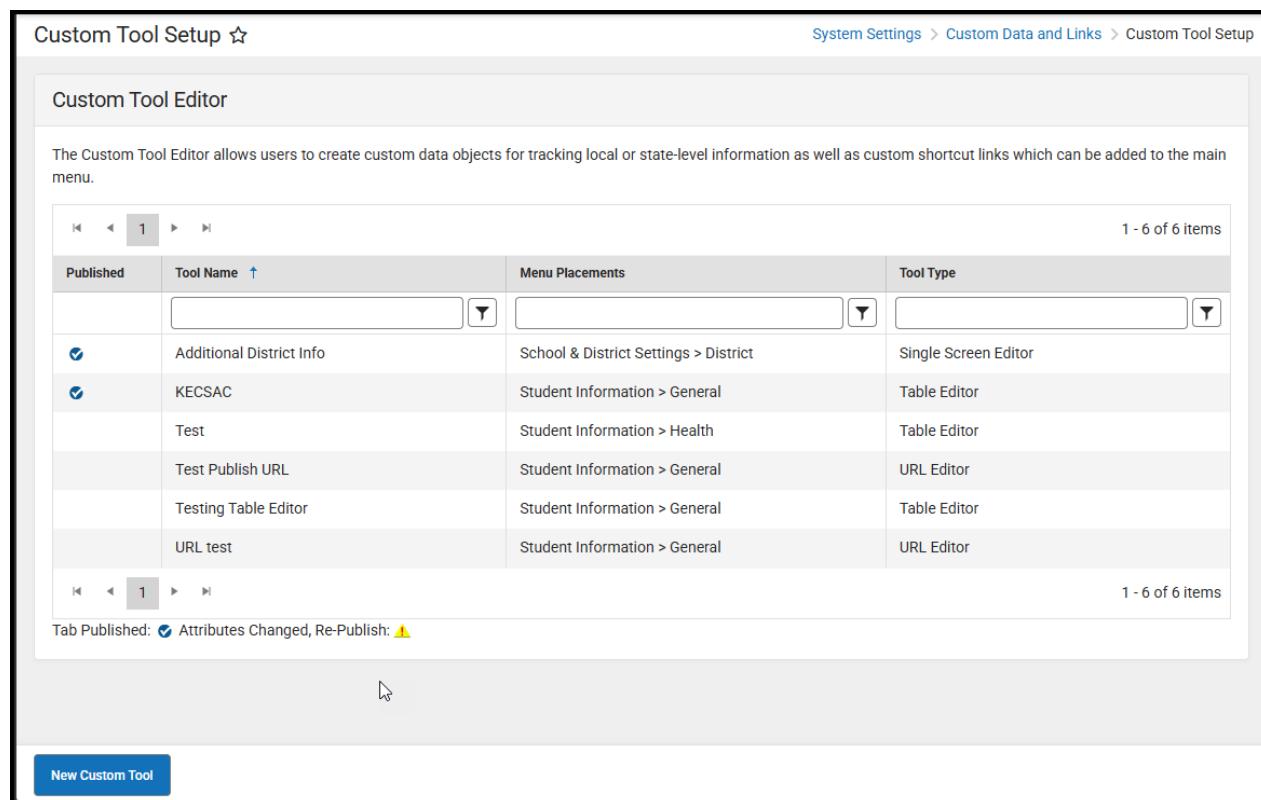
Custom Tool Setup

Last Modified on 02/02/2026 4:26 pm CST

Tool Search: Custom Tool Setup

Custom Tool Setup allows you to create custom tools for tracking local or state-level information. You can also use this tool to embed hyperlinks to appear as a tool within the Infinite Campus navigation and have these links open in a new tab or within the workspace.

Custom tools are district-wide, but information can be displayed or hidden from users through the assignment of tool rights. Custom tools can also be added to the Parent and Student Portals. Tools created at the state level can be published down to DIS-linked districts and these tools can only be modified or deleted by the state.



The screenshot shows the 'Custom Tool Setup' page with a header 'Custom Tool Setup' and a sub-header 'System Settings > Custom Data and Links > Custom Tool Setup'. The main content is titled 'Custom Tool Editor' with a sub-instruction: 'The Custom Tool Editor allows users to create custom data objects for tracking local or state-level information as well as custom shortcut links which can be added to the main menu.' Below this is a table listing six custom tools:

Published	Tool Name	Menu Placements	Tool Type
<input checked="" type="checkbox"/>	Additional District Info	School & District Settings > District	Single Screen Editor
<input checked="" type="checkbox"/>	KECSAC	Student Information > General	Table Editor
	Test	Student Information > Health	Table Editor
	Test Publish URL	Student Information > General	URL Editor
	Testing Table Editor	Student Information > General	Table Editor
	URL test	Student Information > General	URL Editor

At the bottom of the table, it says 'Tab Published: Attributes Changed, Re-Publish: '. Below the table is a 'New Custom Tool' button.

See the [Custom Data and Links Tool Rights](#) article for information about tool rights for this and related tools.

Step 1. Create a Custom Tool

1. To create a new custom tool, select the **New Custom Tool** button. The New Custom Tool Setup editor will appear on the left.

Custom Tool Setup ☆

System Settings > Custom Data and Links > Custom Tool Setup

New Custom Tool Setup

Custom Tool E

The Custom Tool Editor will be added to the main menu.

Tool Type *

Single Screen Editor

List Element Editor

Table Editor

URL Editor

URL Link

Tool Name ↑

assignment

behavior

District Roster

test

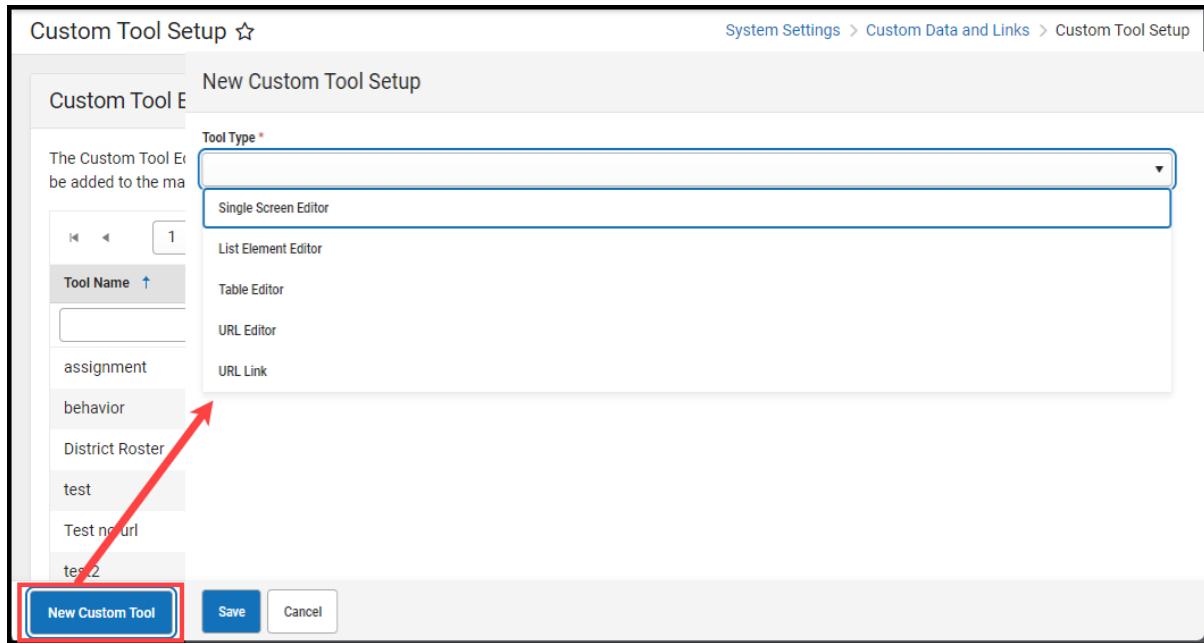
Test no url

test 2

New Custom Tool

Save

Cancel



2. Select the **Tool Type**. See the table below for more information about each option:

Single Screen Editor	<p>▶ Click here to expand...</p> <p>The Single Screen Editor is used to collect a single set of data that will only have one record. If data needs to be historical and referenced over the school year, the Single Screen Editor option cannot be used.</p> <p>This tool type can be placed in any of the available custom tool locations.</p>
List Element Editor	<p>▶ Click here to expand...</p> <p>The List Element Editor option holds multiple sets of data and will track information over a period of time (multiple records). The user can choose which type of record to post a value for, unlike the table editor, where only the same type of data is available. A Status Date is required for each record.</p> <p>The tool type is not available for placement in District Information or School.</p>

Table Editor

► [Click here to expand...](#)

The Table Editor option holds lists of associated values to be displayed for the same record, such as totals. Unlike the list editor, there is only one type of record created, for which multiple values may display.

This option uses a date and time field to track entries. Only one entry for any given time is allowed, meaning two entries with the time of 10:10 AM cannot be saved.

This tool type can be placed in any of the available custom tool locations.

URL Editor

► [Click here to expand...](#)

The URL Editor option allows you to insert an external website as a selectable tool within the Infinite Campus navigation structure and control whether this website opens in a new tab or within the workspace (an area within the Infinite Campus product itself). **Unlike the URL Link option, this option can be designated to be available for only students or all people.**

The **Target** field designates if the URL is opened in a new browser tab or within the workspace (keeping you within Infinite Campus).

Websites with a Content Security Policy that prohibits the use of their site within other sites will prevent the page from appearing (i.e., google.com, amazon.com, etc)

The **Pass User Session** field is used for auto-authentication for other external sites (especially for custom reporting). The following describes each option:

- **None** - This option is used for inserting links when no Campus user sessions are passed to the link. If authentication is required, the user will be required to login each time he/she visits.
- **Send username, calendar, personID as plain text params** - Indicates these elements will be used to authenticate the user into the link's site. This includes the personID, userID, username, calendarID, sectionID, contextID and contextIDType elements.
- **Encrypt URL-encoded username, password, etc.** - Indicates that the credentials for logging a user into Campus should also be used to log the user in to the link's site. The parameters added to the URL include personID, userID, username, password, calendarID, sectionID, contextID, contextIDType and timeStamp.

Parameters referenced in the **Send username, calendar, personID as plain text params** and **Encrypt URL-encoded username,**

password etc options are defined as follows:

- **personID** - The personID of the currently logged-in user
- **userID** - The userID of the currently logged-in user
- **username** - The username of the currently logged-in user
- **calendarID** - The calendarID of the currently selected calendar.
- **sectionID** - This sectionID pertains to the sectionID most recently selected in Instruction.
- **contextIDType** - The most recently selected context type: personID if you most recently viewed a person, sectionID if you most recently viewed a section in a tool other than Instruction, userID if you most recently viewed a User Account.
- **contextID** - The ID value of that most recently selected context type. Corresponds to contextIDType. Either a personID value, sectionID value, or userID value

External URLs are automatically added to your [Content Security Policy](#). If a custom tab is later deleted, the associated URL is automatically removed from the district's Content Security Policy.

URL Link	<p>▶ Click here to expand...</p> <p>The URL Link option allows you to insert an external website as a selectable tool within the Infinite Campus navigation structure and control whether this website opens in a new tab or within the workspace (an area within the Infinite Campus product itself).</p> <p>The Target field designates if the URL is opened in a new browser tab or within the workspace (keeping you within Infinite Campus).</p> <div data-bbox="477 1381 1427 1545" style="background-color: #fdf5e6; padding: 10px;"><p>Websites with a Content Security Policy that prohibits the use of their site within other sites will prevent the page from appearing (i.e., google.com, amazon.com, etc)</p></div> <p>The Code is the alias/tooltip that appears when the user hovers the mouse over the link.</p> <p>The Pass User Session field is used for auto-authentication for other external sites (especially for custom reporting). The following describes each option:</p> <ul style="list-style-type: none">◦ None - This option is used for inserting links when no Campus user sessions are passed to the link. If authentication is required, the user will be required to login each time he/she visits.◦ Send username, calendar, personID as plain text params - Indicates these elements will be used to authenticate the user into
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the link's site. This includes the personID, userID, username, calendarID, sectionID, contextID and contextIDType elements.

- **Encrypt URL-encoded username, password, etc.** - Indicates that the credentials for logging a user into Campus should also be used to log the user in to the link's site. The parameters added to the URL include personID, userID, username, password, calendarID, sectionID, contextID, and contextIDType.

Parameters referenced in the **Send username, calendar, personID as plain text params** and **Encrypt URL-encoded username, password etc** options are defined as follows:

- **personID** - The personID of the currently logged-in user
- **userID** - The userID of the currently logged-in user
- **username** - The username of the currently logged-in user
- **calendarID** - The calendarID of the currently selected calendar.
- **sectionID** - This sectionID pertains to the sectionID most recently selected in Instruction.
- **contextIDType** - The most recently selected context type: personID if you most recently viewed a person, sectionID if you most recently viewed a section in a tool other than Instruction, userID if you most recently viewed a User Account.
- **contextID** - The ID value of that most recently selected context type. Corresponds to contextIDType. Either a personID value, sectionID value, or userID value

External URLs are automatically added to your [Content Security Policy](#). If a custom tab is later deleted, the associated URL is automatically removed from the district's Content Security Policy

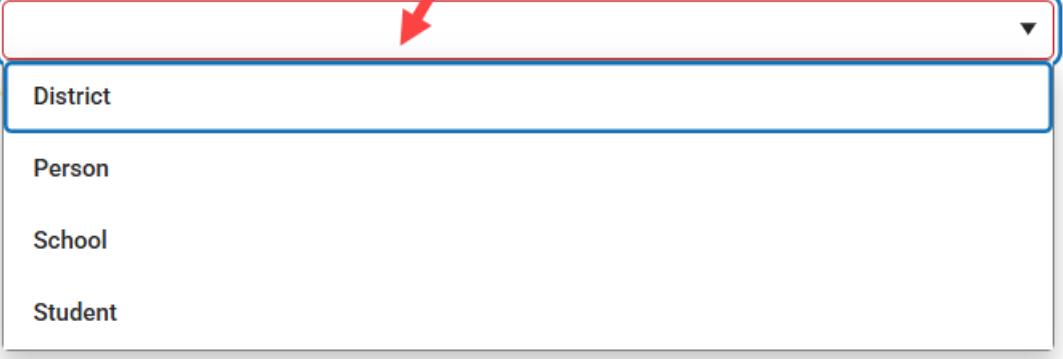
3. Select the **Search Option**. This determines which type of custom object the tool will be associated with. For example, selecting Student will associate the custom tool with a custom student object.

This comes into play when performing a batch resync, as resyncing all student information would also resync all information associated with a custom tool set with a Search Option of Student.

New Custom Tool Setup

Tool Type (Required)
Single Screen Editor

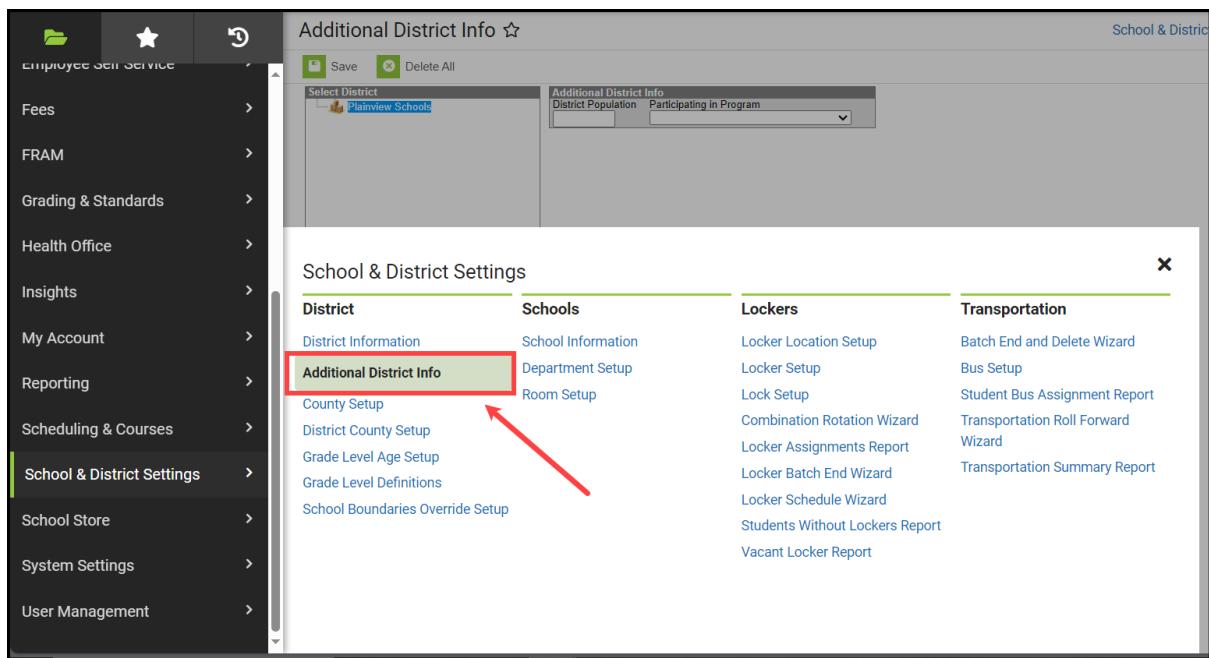
Search Option (Required)



- District
- Person
- School
- Student

4. Enter the **Tool Name**. Tool names are limited to 33 characters, unless the Tool Type is 'URL Link', which is limited to 50 characters.
5. Fill out the rest of the editor, which will vary depending on the Tool Type selected.
6. Determine which **Menu Item** the tool will live under.
7. Determine which **Category** within the Menu Item the tool will live under. This is where the user will find the tool when navigating Campus. You can add additional menu placements later using the [Custom Tool Placement Editor](#).
8. Click **Save**.

Once saved, the tool will now appear in its designated area. For example, in the image below, the Additional District Info custom tool was assigned to the Menu Item of School & District Settings and a Category of District.



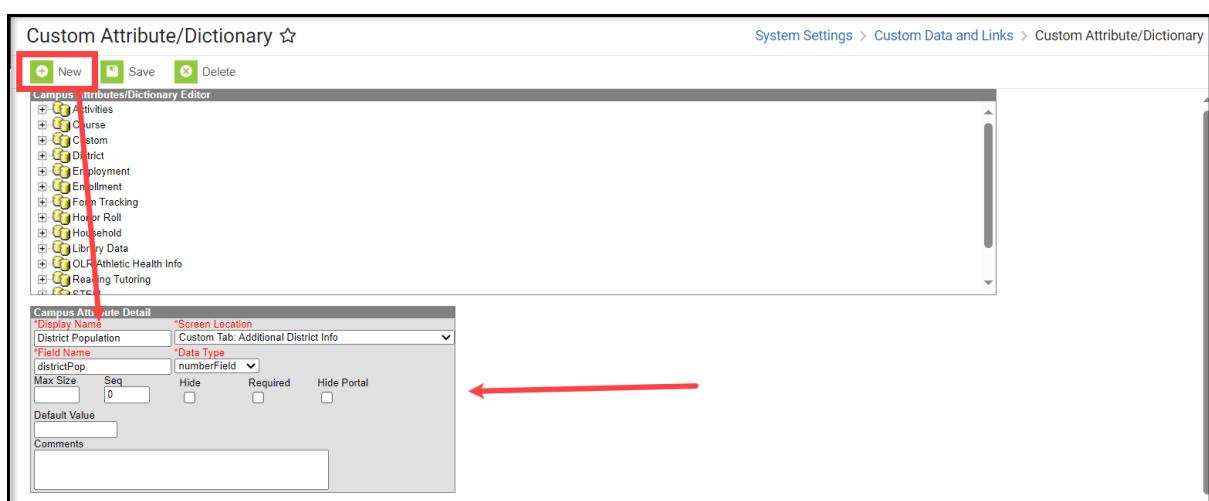
The screenshot shows the Infinite Campus navigation bar on the left with various menu items like Fees, FRAM, Grading & Standards, etc. The 'School & District Settings' menu is open, showing sub-options for District, Schools, Lockers, and Transportation. The 'Additional District Info' option under the District tab is highlighted with a red box and an arrow points to it from the main menu.

9. If you created a URL Editor or URL Link, you are finished, and users can now access this link within Infinite Campus. If you created a tool, move on to Step 2 below.

Step 2. Define Custom Tool Attributes

Now that your custom tool has been created, custom attributes need to be added so you can designate which fields it contains and what information it will gather.

1. Navigate to the [Custom Attribute/Dictionary](#) tool.
2. Click the **New** icon. The Campus Attribute Detail editor will appear below.



The screenshot shows the 'Custom Attribute/Dictionary' tool. The 'New' icon is highlighted with a red box. A red arrow points from the 'New' icon to the 'Campus Attribute Detail' form below. The form contains fields for 'Display Name' (District Population), 'Field Name' (districtPop), 'Data Type' (numberField), and other configuration options like Max Size, Seq, Hide, Required, and Hide Portal.

3. Enter the **Display Name** of the field you would like to add. This is the name that appears in the UI for the field.

4. Select the **Screen Location**. This is where you would select the custom tool you just created. For example, the Additional District Info tool is selected since it was created in the previous steps.
5. Enter the **Field Name**. This is the name used to identify the field in the database.
6. Select the **Data Type**. This determines the type of field presented to users. See the table below for more information.

Data Type	Details
textBox	<p>Creates a text box.</p> <p>Users are allowed to enter up to 255 alphanumeric and special characters.</p>
drop-down list	<p>Creates a dropdown list.</p> <p>Limited to 15 alphanumeric characters.</p>
dataField	<p>Creates a date field.</p> <p>Users must enter the date in MM/DD/YYYY, MM-DD-YY or MMDDYY format.</p>
numberField	<p>Creates a number field.</p> <p>Only numeric characters (no decimals) are allowed. Max default value is 10.</p>
floatField	<p>Creates a float field.</p> <p>Only numeric characters are allowed with one decimal point.</p> <p>Max default value is 10. The value can be without a decimal point. If the default value has a decimal, only 2 numbers to the right of the decimal are allowed.</p>
timeField	<p>Creates a time field.</p> <p>Users must enter values in HH:MM AM/PM or HH:MM military time. Values should include a semicolon.</p>
ssnField	<p>Creates a field for Social Security Number input.</p> <p>Users must enter a number pattern of XXX-XX-XXXX where X = a numeric value between 0-9.</p> <p>When entering Social Security numbers, dashes should be included. There are 11 characters total (this includes the dashes between numbers).</p>
phoneField	<p>Creates a field for entering phone numbers.</p> <p>Users should enter phone values in (999)999-9999 or (999)999-9999x9999 format, where:</p> <ul style="list-style-type: none"> ◦ 9 = a numeric value between 0-9 ◦ x = the delimiter for entering an extension number

Data Type	Details
emailField	<p>Creates a field for entering an email address.</p> <p>Users must enter email addresses in XXXXX@XXXX.XXX where:</p> <ul style="list-style-type: none"> ◦ X = any alphanumeric or special characters ◦ Users may enter multiple periods ◦ The total number of characters does not surpass 100 ◦ @ is required
moneyField	<p>Creates a field for entering a monetary value.</p> <p>Users must enter a value between 0-9. One decimal point is allowed but only two numbers right of the decimal point is allowed. Values entered can contain the \$ special character but is not required.</p>
checkBox	<p>Creates a checkbox.</p>

7. Enter any additional information. See the table below for more information about these fields.

Fields	Description
Default Value	<p>The default value that auto-populates in the field when a new record is created.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note that default values are NOT saved in the database tables.</p> </div>
Max Size	<p>The maximum number of characters allowed for entry in the field.</p>
Seq	<p>The order of the field within the tool.</p> <p>For example, Field A has a seq of 1, and Field B has a Seq of 2. Field 1 will be listed first, followed by Field 2.</p> <p>Fields are displayed in numeric or alphabetic order if no sequence is indicated.</p>
Required	<p>If marked, this checkbox indicates that the field must be filled out (or checked) for the user to be able to save a record for the custom tool. The field name displays in red text (instead of black) and is followed by an asterisk (*) to indicate that it is required.</p>

Fields	Description
Copies Forward	<p>When marked, the data associated with the attribute is copied forward into the calendar for the next school year.</p> <p>This option applies to things that are cloned or rolled forward from year to year. For example, calendars are copied from one year to the next, courses are copied forward, and enrollments are copied forward.</p> <p>People are not tied to a calendar; therefore, attributes associated with people are not copied forward, even when this checkbox is marked.</p> <div data-bbox="425 624 1310 662" style="background-color: #ffffcc; padding: 5px; border-radius: 5px;"> <p>This option is not available for data fields assigned to a custom tab.</p> </div>
Hide Portal	<p>If marked, this checkbox indicates that the custom field will not be displayed in the Student or Parent Portal. It will also be hidden in the Student and Parent Portal if no associated data is saved in the database for the selected individual.</p> <p>This field does not apply or appear to state-level users.</p>
Comments	<p>Any comments related to the custom field. These comments do not display for users interacting with the field.</p>

8. Click **Save**. The field has now been added to your custom tool.

9. If the field you added to your custom tool, such as a dropdown field, requires values for selection, locate and select it in the list at the top of the screen.

For example, in the image below, a dropdown list called Participating in Program was added to the Additional District Info custom tool. The tool was located in the list, and the Dictionary link was selected, opening an editor at the bottom of the screen where field values can be entered.

The screenshot displays two windows from the Infinite Campus system. The top window is titled 'Campus Attribute Detail' and shows configuration for a field named 'Participating in Program'. The bottom window is titled 'Custom Attribute/Dictionary' and shows the 'Campus Attributes/Dictionary Editor' with a tree view of categories like Activities, Additional District Info, and District Population. Under 'District Population', the 'Participating in Program' node is selected and highlighted with a red box. A red arrow points from this highlighted node to a table titled 'Participating in Program Dictionary Detail' in the bottom window. This table lists a single entry: 'State Reading' with 'State Reading Program' as the name, a sequence of 2, and a checked 'Active' box. Another red arrow points from the bottom table to the 'Save' button in the top window's toolbar.

10. Enter all necessary field values, and once finished, click **Save**. Your custom field is now available in your custom tool, and values are available within this field.
11. Repeat steps 1-10 until all fields have been added to the tool. Once all fields and field values have been entered, move on to Step 3 below.

Step 3. Add Data to the Custom Tool

Once your custom tool has been created, fields have been added, and attributes have been added to fields, you are now ready to add data to your custom tool.

For example, in the image below, the user navigated to the Additional District Info tool created in the steps above and entered data within the added fields.

Additional District Info ☆

School & District Settings > District > Additional District Info

Save Delete All

Select District



Additional District Info

District Population	Participating in Program
2756	McKinney Vento: McKinney Vento

Step 4. Publish the Tool to Districts - State Edition Only

For users in a State Edition of Infinite Campus, you can publish custom tools and links down to DIS-linked districts.

To do this:

1. Navigate to the [Custom Tools Publisher](#).
2. Click **View** for your custom tool in the Custom Tool List. In the example below, the Additional District Info tool will be selected.

Custom Tools Publisher ☆ System Settings > Custom Data and Links > Custom Tools Publisher

Custom Tools Publisher

The supported tool types of Table Editor, List Editor, and Single-Screen Editor are listed below and are available for publishing. Custom attributes must be linked to a tool in order to publish.

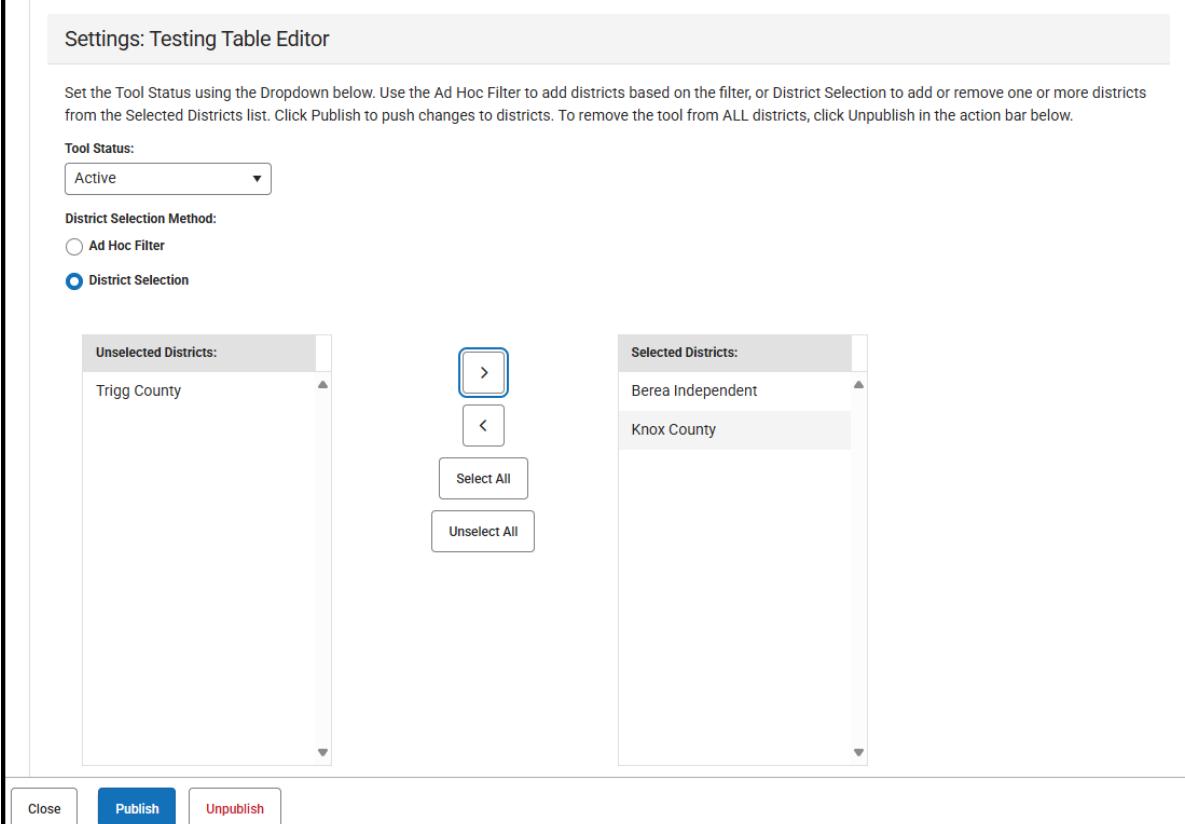
Select a record below to view history, or adjust publish settings. If you do not see your tool listed below, you can create one by using [Create Custom Tool](#).

Custom Tool List	Publishing Status	
KECSAC	PUBLISHED	View
Test	NOT PUBLISHED	View
Testing Table Editor	NOT PUBLISHED	View
Additional District Info	NOT PUBLISHED	View

1 - 4 of 4 items

3. Select the **Tool Status**:
 - If set to **Active**, the tool will appear as available to DIS-linked districts once you complete the publish process.
 - If set to **Inactive/Visible**, the tool will still appear for district users but will not be available for use.
 - If set **Inactive/Hidden**, the tool will not appear nor be available for any district users.
4. Determine which districts will receive the tool by selecting an **Ad Hoc Filter** or selecting a

district in the Unselected Districts window and clicking the  button.



Settings: Testing Table Editor

Set the Tool Status using the Dropdown below. Use the Ad Hoc Filter to add districts based on the filter, or District Selection to add or remove one or more districts from the Selected Districts list. Click Publish to push changes to districts. To remove the tool from ALL districts, click Unpublish in the action bar below.

Tool Status:

Active

District Selection Method:

Ad Hoc Filter

District Selection

Unselected Districts:

Trigg County

Selected Districts:

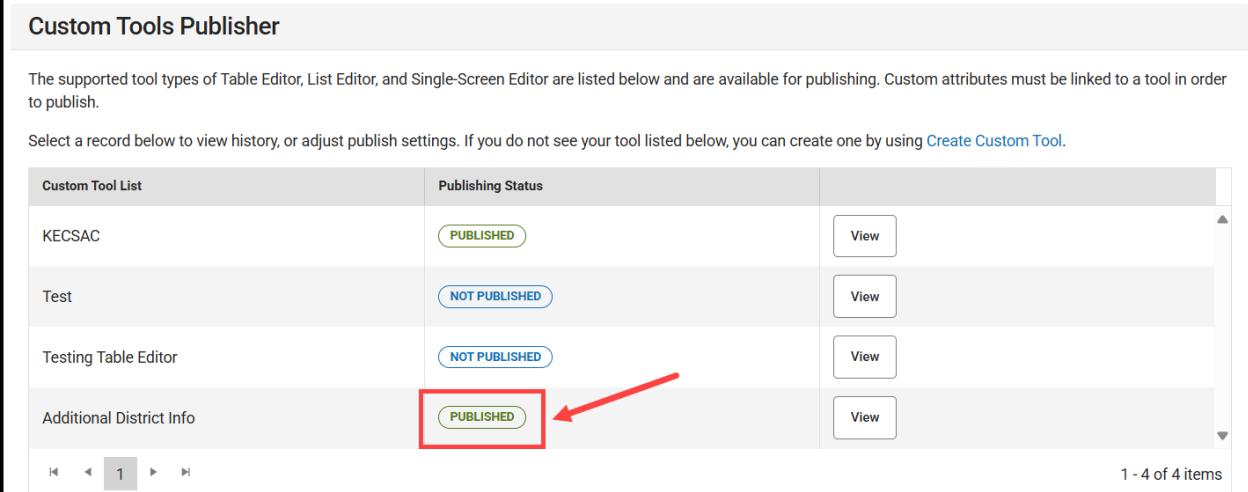
Berea Independent

Knox County

>
 <
 Select All
 Unselect All

Publish **Unpublish**

5. Click **Publish**. The tool has now been published to the location defined for the custom tool.



Custom Tools Publisher

The supported tool types of Table Editor, List Editor, and Single-Screen Editor are listed below and are available for publishing. Custom attributes must be linked to a tool in order to publish.

Select a record below to view history, or adjust publish settings. If you do not see your tool listed below, you can create one by using [Create Custom Tool](#).

Custom Tool List	Publishing Status	
KECSAC	PUBLISHED	View
Test	NOT PUBLISHED	View
Testing Table Editor	NOT PUBLISHED	View
Additional District Info	PUBLISHED	View

1 - 4 of 4 items

Once a tool is published, a checkmark will appear in the **Published** column in this tool and the Custom Tool Setup tool.

Custom Tools Publisher

The supported tool types of Table Editor, List Editor, and Single-Screen Editor are listed below and are available for publishing. Custom attributes must be linked to a tool in order to publish.

Select a record below to view history, or adjust publish settings. If you do not see your tool listed below, you can create one by using [Create Custom Tool](#).

Custom Tool List	Publishing Status	
KECSAC	PUBLISHED	View
Test	NOT PUBLISHED	View
Testing Table Editor	NOT PUBLISHED	View
Additional District Info	PUBLISHED	View

Custom Tool Editor

The Custom Tool Editor allows users to create custom data objects for tracking local or state-level information as well as custom shortcut links which can be added to the main menu.

Published	Tool Name	Menu Placements	Tool Type
<input checked="" type="checkbox"/>	Additional District Info	School & District Settings > District	Single Screen Editor
<input checked="" type="checkbox"/>	KECSAC	Student Information > General	Table Editor
<input checked="" type="checkbox"/>	Test	Student Information > Health	Table Editor
<input checked="" type="checkbox"/>	Test Publish URL	Student Information > General	URL Editor
<input checked="" type="checkbox"/>	Testing Table Editor	Student Information > General	Table Editor
<input checked="" type="checkbox"/>	URL test	Student Information > General	URL Editor

Tab Published: Attributes Changed, Re-Publish: ⚠

Review and Modify Existing Custom Tools/Links

You can quickly locate an existing tool or link by utilizing the search fields at the top of each column of the Custom Tool Editor. These search fields dynamically filter results, meaning as you continue to enter characters, the list of tools/links continues to get refined to match what is entered.

For example, in the image below, entering 'test' in the Tool Name search field narrowed the results to just tools with the word 'test' somewhere in the name.

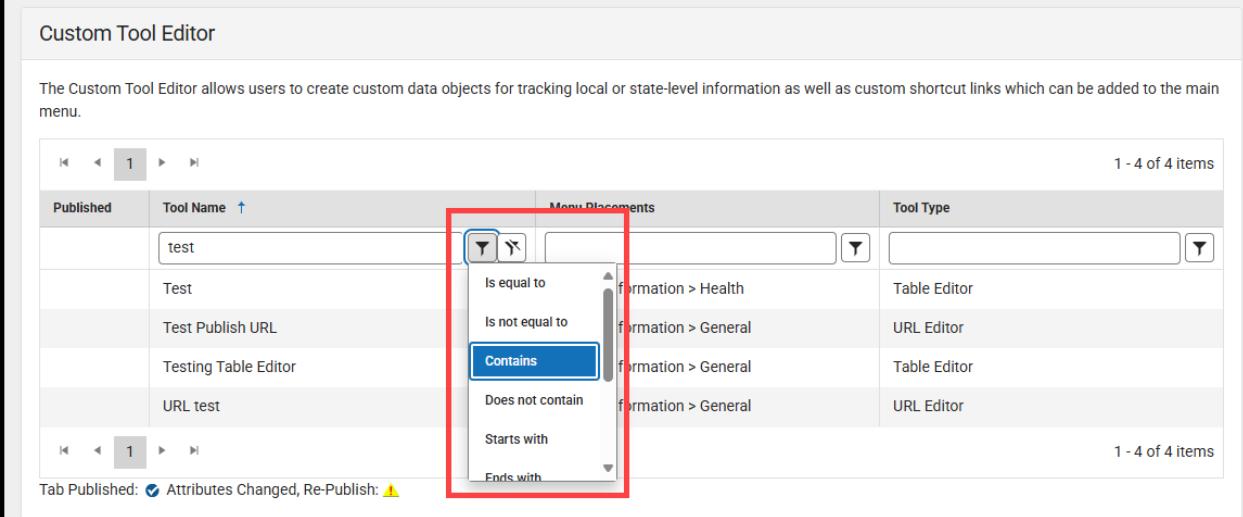
Custom Tool Editor

The Custom Tool Editor allows users to create custom data objects for tracking local or state-level information as well as custom shortcut links which can be added to the main menu.

Published	Tool Name	Menu Placements	Tool Type
<input checked="" type="checkbox"/>	test		
<input checked="" type="checkbox"/>	Test	Student Information > Health	Table Editor
<input checked="" type="checkbox"/>	Test Publish URL	Student Information > General	URL Editor
<input checked="" type="checkbox"/>	Testing Table Editor	Student Information > General	Table Editor
<input checked="" type="checkbox"/>	URL test	Student Information > General	URL Editor

Tab Published: Attributes Changed, Re-Publish: ⚠

Each column also provides filtering options, which can be applied to the entered search text by clicking the  icon and selecting a filter parameter.



The screenshot shows the 'Custom Tool Editor' interface. At the top, a message states: 'The Custom Tool Editor allows users to create custom data objects for tracking local or state-level information as well as custom shortcut links which can be added to the main menu.' Below this is a table with columns: 'Published', 'Tool Name', 'Menu Placement', and 'Tool Type'. The 'Tool Name' column is currently being filtered. A search input field is highlighted with a red box, and a dropdown menu is open, showing filter options: 'Is equal to', 'Is not equal to', 'Contains' (which is highlighted in blue), 'Does not contain', 'Starts with', and 'Ends with'. The table data includes rows for 'Test' (Tool Type: Table Editor), 'Test Publish URL' (Tool Type: URL Editor), 'Testing Table Editor' (Tool Type: Table Editor), and 'URL test' (Tool Type: URL Editor). The bottom of the interface shows a message: 'Tab Published: Attributes Changed, Re-Publish: .

If your custom tool is assigned to a child tool ID within Classic Campus, an **Update Parent** button will appear. This button should be selected to assign the tool to a parent ID and ensure it appears properly within the UI and is available within Ad Hoc Reporting tools.

NOTE: The **Update Parent** button is not available for tools set to a Tool Type of URL Link or URL Editor or those with a Search Option of District or School.

Edit Custom Tool Setup

Tool type

URL Link

Tool Name (Required)

TestTool

Code (Required)

abc

Sequence

0

URL

Note: External links should begin with the protocol (Ex: http://www)

http://www.google.com

Target

Work Space

Pass User Session

None

Menu Placements

[Student Information > General](#)

[Create New Menu Placement](#)

Update Parent



Save

Cancel

Delete