

Field Binding

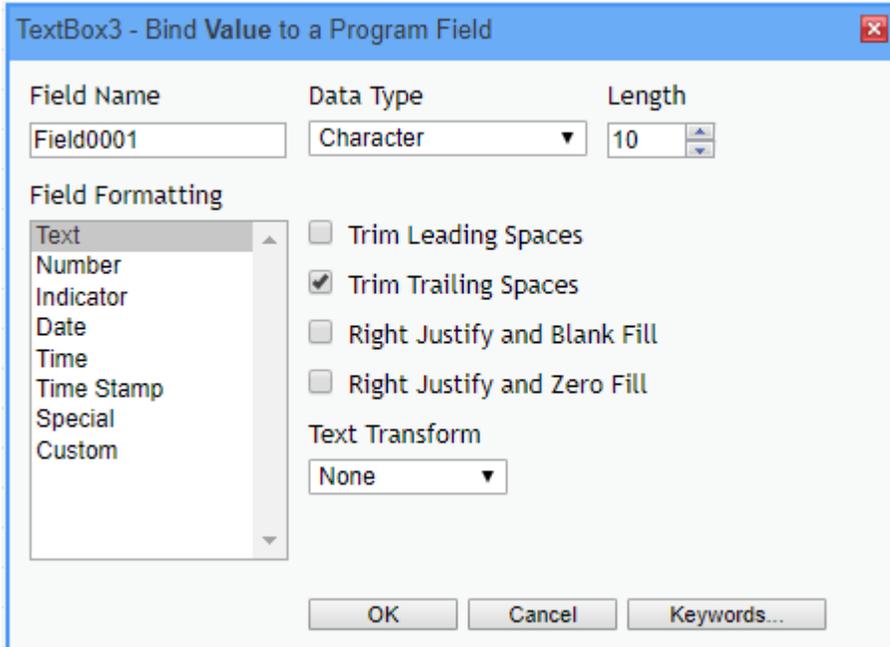
Overview

Field binding is used to create a field to allow a value or response to be tied to an RPG program field. With field binding, a new field is created with the name, data type, and length associated with the bound field when the rich display file is compiled. The newly created fields are then able to be used in your RPG program to have a value or response set from the program itself, or to receive a value or response from the application.

If a field is able to be bound, the field binding dialog button will be available in the property:



Clicking this button will open the Field Binding Dialog:



Formatting the Bound Field

There are many different types of formatting that can be applied to a bound field. This allows the data loaded into the field to be displayed in a certain format.

Text - Format used for text. Options here can have the spaces trimmed from leading or trailing spaces. Also allows for text to be right justified and have zero or blanks fill the field.

TextBox3 - Bind Value to a Program Field

Field Name	Data Type	Length
Field0001	Character	10

Field Formatting

- Trim Leading Spaces
- Trim Trailing Spaces
- Right Justify and Blank Fill
- Right Justify and Zero Fill

Text Transform: None

OK Cancel Keywords...

Number - Used to format numbers. Options here can use Thousands(1000) Separator or show zero balance of the field. And, also allows zero or blank fill for the field. No extra spaces causes an input field to behave as in keyboard shift Y. The number of characters that can be keyed into the field is equal to the length of the field. When no extra spaces option is unchecked, extra characters can be typed for the sign, decimal, and thousands separators.

TextBox3 - Bind Value to a Program Field

Field Name	Data Type	Length	Decimals
Field0001	Decimal	10	2

Field Formatting

- Use 1000 Separator
- Show Zero Balance
- Blank Fill
- Zero Fill
- No extra spaces

Negative Numbers: -999.00

Edit Word: []

Edit Mask: []

Currency Symbol: []

Units: []

OK Cancel Keywords...

In the example below you can see the differences between all options. The length of data is 10 and 2 decimals.

- For 1000 Separator the source data '1200000.00' would appear as '1,200,000.00' in the output.
- Show Zero Balance has source data '00' would appear as '.00' in the output.
- For Blank fill the source data '12.34 ' would appear as '12.34' in the output.
- For Zero fill the source data '12345.60' would appear as '00012345.60' in the output.
- For No Extra Spaces the source data ' 12345671.89' would appear as '12345671.89' in the output.

Test

1000 Separator: 1,200,000.00

Show Zero Balance: .00

Blank Fill: 12.34

Zero Fill: 00012345.60

No Extra Spaces: 12345671.89

- Edit Word - Used to format a numeric field with an editing pattern you specify.

TextBox3 - Bind Value to a Program Field

Field Name	Data Type	Length	Decimals
Field0001	Decimal	9	2

Field Formatting

<input type="checkbox"/> Use 1000 Separator <input type="checkbox"/> Show Zero Balance <input type="checkbox"/> Blank Fill <input type="checkbox"/> Zero Fill <input type="checkbox"/> No extra spaces Negative Numbers -999.00	Edit Word *.* Edit Mask Currency Symbol Units
---	---

Text
Number
Indicator
Date
Time
Time Stamp
Special
Custom

OK Cancel Keywords...

In the example above the source data '000000123' would appear as '****123.00' in the output.

Test

****123.00

Exit

- Edit Mask - Is used to block off certain characters so they cannot be changed in the input field.

In the example below the edit mask used in conjunction with the edit word property allows the '/' characters to not be removed when backspace or the delete key are used.

TextBox3 - Bind Value to a Program Field

Field Name	Data Type	Length	Decimals
Date	Decimal	8	0

Field Formatting

<ul style="list-style-type: none"> Text Number Indicator Date Time Time Stamp Special Custom 	<input type="checkbox"/> Use 1000 Separator <input type="checkbox"/> Show Zero Balance <input type="checkbox"/> Blank Fill <input type="checkbox"/> Zero Fill <input type="checkbox"/> No extra spaces Negative Numbers -999.00	Edit Word ' / / ' Edit Mask ' & & ' Currency Symbol Units
--	---	---

OK Cancel Keywords...

Test

04/17/14

Exit

Test

04/17/14

Exit

Test

00/00/00

Exit

- Currency Symbol - Used to place a character or string representing currency to precede the data. For example '\$', '€', or 'Dollars: '.

Test

\$123.00

€123.00

Dollars: 123.00

Exit

- Units - The units dropdown can preset the value of the field with a suffix from the following list:

Units

- px (pixels)
- % (percentage)
- in (inches)
- cm (centimeters)
- mm (millimeters)
- em
- ex
- pt (points)
- pc (picas)

Indicator -

TextBox3 - Bind Value to a Program Field

Field Name	Data Type	Length
Field0001	Character	10

Field Formatting

- Text
- Number
- Indicator**
- Date
- Time
- Time Stamp
- Special
- Custom

Indicator Format

- 1 / 0
- true / false
- italic / normal
- bold / normal
- underline / none
- visible / hidden

OK Cancel Keywords...

Date - This is used to format the value of the field to display as a date.

TextBox3 - Bind Value to a Program Field

Field Name	Data Type	Length
Field0001	Character	10

Field Formatting

- Text
- Number
- Indicator
- Date**
- Time
- Time Stamp
- Special
- Custom

Date Format

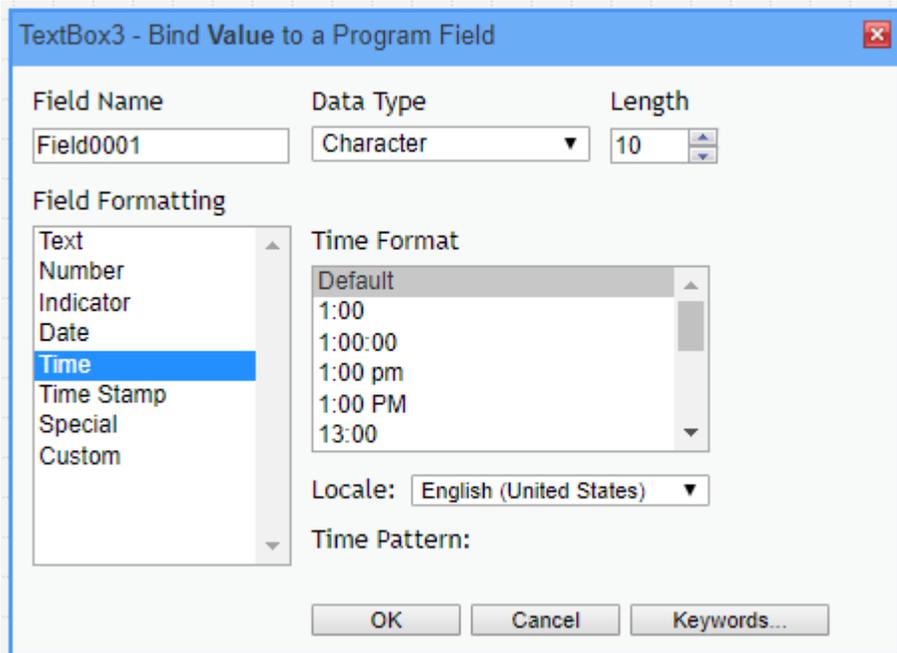
- Default
- 2018-01-15
- 01/15/18
- 01/15/2018
- 1/15/18
- 1/15/2018

Locale: English (United States)

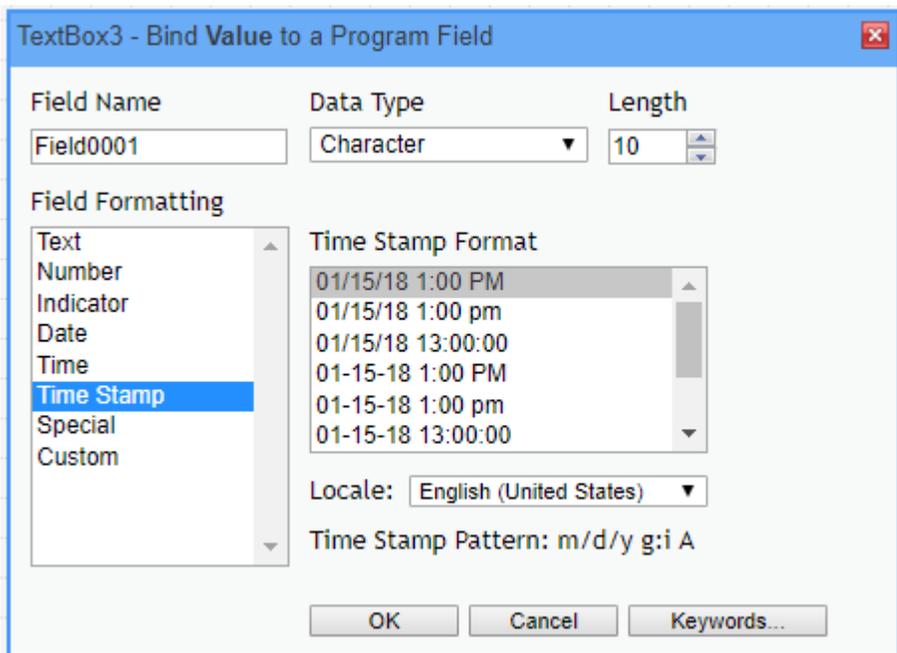
Date Pattern:

OK Cancel Keywords...

Time - This format sets the value to display as a time. This can be set for 12 hour or 24 hour display.



Time Stamp - Formats the field with a date and time stamp in the selected format.



Special - These are presets formats designed for different scenarios, such as zip code, social security number, or phone number formats.

TextBox3 - Bind Value to a Program Field

Field Name	Data Type	Length
Field0001	Character	10

Field Formatting

Field Formatting	Type
Text	Percentage
Number	Zip Code
Indicator	Zip Code + 4
Date	Phone Number
Time	Social Security Number
Time Stamp	Mailto Link
Special	
Custom	

OK Cancel Keywords...

Custom - The custom format can be used to specify your own formatting that may not be included in the preset format selections. You can set the selection with custom JavaScript or a custom date/time pattern.

TextBox3 - Bind Value to a Program Field

Field Name	Data Type	Length
Field0001	Character	10

Field Formatting

Field Formatting	Custom JavaScript Function
Text	
Number	
Indicator	
Date	
Time	
Time Stamp	
Special	
Custom	

Custom Date/Time Pattern

Locale: English (United States)

Preview:

OK Cancel Keywords...

Custom JavaScript Function Example:

Here you can see how to use the custom JavaScript function. This is used to produce custom formatting along with JavaScript code from a separate JavaScript file placed in the **userdata/custom/js** folder on the IFS.

TextBox3 - Bind Value to a Program Field

Field Name	Data Type	Length
Field0001	Character	10

Field Formatting

Text	Custom JavaScript Function myFunction
Number	
Indicator	
Date	
Time	
Time Stamp	
Special	
Custom	

Custom Date/Time Pattern

Locale: English (United States)

Preview:

OK Cancel Keywords...

In this example the function determines if the value is greater than 50 it will append '19' to the front of the year, and '20' if not.

```
function myFunction(num)
{
  if (num.value > 50)
  {
    return "19" + String(num.value);
  }
  else
  {
    return "20" + String(num.value);
  }
}
```

Test

1970

Exit

Custom Date/Time Pattern Example:

TextBox3 - Bind Value to a Program Field

Field Name	Data Type	Length
Field0001	Character	10

Field Formatting

Field Formatting	Custom JavaScript Function
Text	
Number	
Indicator	
Date	
Time	
Time Stamp	
Special	
Custom	Custom Date/Time Pattern M - D - Y / g:i A Locale: English (United States) Preview: Jan - Mon - 2018 / 1:00 PM

OK Cancel Keywords...

In the example you can see the pattern M - D - Y / g:i A would return the following format.