

How To Create A Custom Function

Exago offers an easy-to-use interface for creating Custom Functions. To access the code editor, navigate to the Administration Console and expand the **Extensions** category. Next, click on **Functions** and then click on the (+) icon in the main toolbar.

- ▾ **Data**
 - ≡ Sources
 - Objects
 - > Joins
 - Parameters
- ▾ **General**
 - Main Settings
 - Culture Settings
 - Feature/UI Settings
 - Programmable Object Settings
 - Filter Settings
 - Database Settings
 - Scheduler Settings
 - User Settings
 - Other Settings
- ▾ **Roles**
- ▾ **Extensions**
 - Functions**
 - Filter Functions
 - Server Events
 - Action Events
 - Custom Options
 - Field Panel Items

Properties

Custom Function ✕

Name	<input type="text"/>
Description	<input type="text"/>
Minimum Number of Arguments	<input type="text" value="0"/>
Maximum Number of Arguments	<input type="text" value="0"/>
Category	<input type="text" value="Other"/>
Specify Category Name (Optional)	<input type="text"/>

Language	<input type="text" value="CSharp"/>	References	<input type="text"/>	<input checked="" type="checkbox"/>
Namespaces	<input type="text"/>			

1

Each Custom Function has the following properties:

- **Name** – A name for the function that will be displayed to the end users.
- **Description** – A description of the function that will be displayed to the end users.
- **Minimum Number of Arguments** – The minimum number of values that an end user must enter in the function separated by commas.
- **Maximum Number of Arguments** – The maximum number of values that an end user may enter in the function separated by commas.

NOTE. Arguments are passed to your code as an array of generic objects, so there can be as many arguments as desired. The argument array is accessed by `args[]`. Arguments are passed into the function as objects.

- **Category** – A way of grouping similar functions. You can assign custom functions to an existing Exago 'Category' or create a new 'Category'. To create a new Category, select "Other". An input field will appear. Leaving this field blank will assign your Function to the 'Other' Category in the Exago Formula Editor. A non-empty value in this field tells Exago to create a new Category with the specified name.
- **Language** – The high-level language of the code for the function. May be C#, JavaScript, or VB.Net.
- **Reference** – A semicolon-separated list of any dlls that need to be referenced by the Custom Function. If the dlls are not accessible in the GAC then the dlls must be copied to the Bin folder of Exago. or the reference should point to their physical path.
- **Program Code** – The program code for your Custom Function. Press the green check mark to verify the code executes properly (✓).

NOTE. Parameters may be referenced within custom functions by placing their name between @'s.