

# How Do I Use the Switch, Case and EndSwitch Tags?

Switch, Case and EndSwitch Tags are used when you wish to test for multiple different conditions, and manipulate your output depending on which condition is met.

Switch Tags are used to begin a list of Case Tags, and EndSwitch Tags are used to end that list. Each Switch Tag must have a corresponding EndSwitch Tag.

Each Case Tag evaluates a different condition. Then the Tags, text, etc., after the first condition that is met, and before the next Case Tag, are executed or displayed. If the last Case Tag's condition is met, then the Tags, text, etc., before the EndSwitch Tag are executed or displayed.

We'll work through an example of using Switch, Case and EndSwitch Tags using the attached report template and images. The template connects to our public SQL Server; if you aren't familiar with connecting to a SQL Server, see [How to Connect to an MS SQL Server](#).



Switch\_Case\_Tag\_Example.docx



australia\_flag.png



canada\_flag.png



mexico\_flag.png



us\_flag.png

As you can see, our example template is a Word table of customer information. The table was built with a [ForEach Tag](#), and has an [Out Tag](#) in each column except the last. In the last column, we'll insert Switch, Case and EndSwitch Tags to control the display of country flags for each customer.

Display information about customers:

First Name	Last Name	Address	City	State	Postal Code	Country
[Customers][First Name]	[Last Name]	[Address]	[City]	[State]	[Postal Code]	

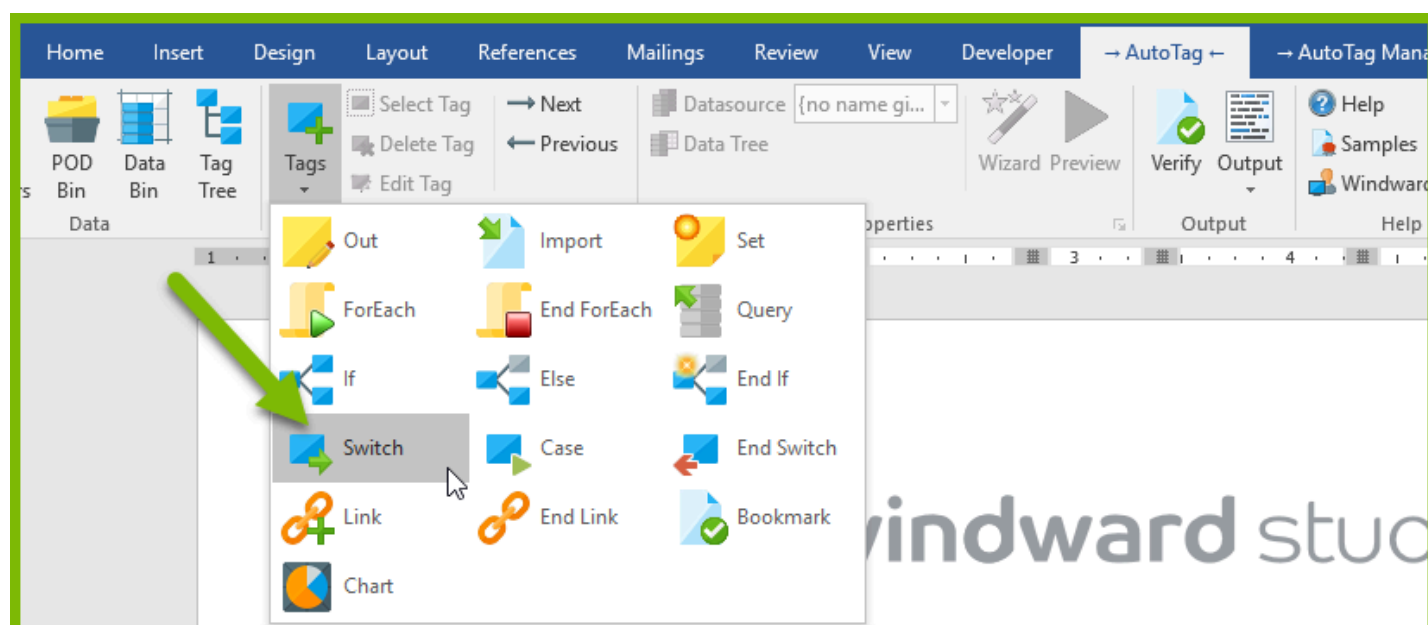
forEach

The output now looks like:

Display information about customers:

First Name	Last Name	Address	City	State	Postal Code	Country
Jon	Yang	3761 N. 14th St	Rockhampton	Queensland	4700	
Eugene	Huang	2243 W St.	Seaford	Victoria	3198	
Ruben	Torres	5844	Hobart	Tasmania	7001	

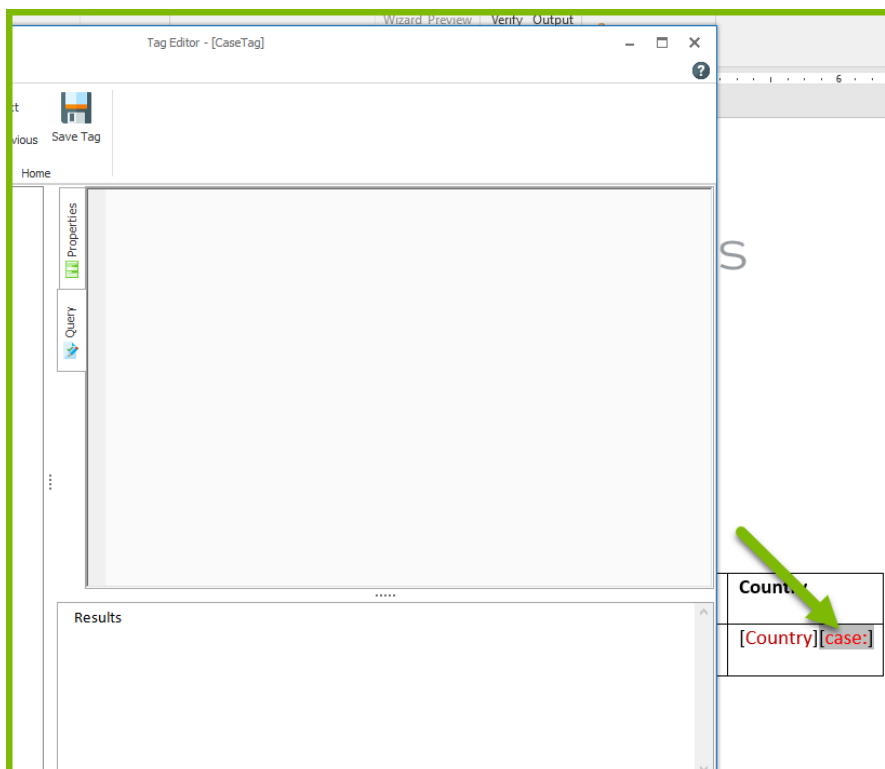
Place your cursor in the empty cell beneath the "Country" header, and use the Tags button on the AutoTag ribbon to select a Switch Tag:



Double-click on the Switch Tag to bring up the [Tag Editor](#), and give it the nickname "Country". Save the Tag:



Place your cursor after the Switch Tag, and insert a Case Tag the same as you inserted the Switch Tag. Double-click on the Case Tag to bring up the Tag Editor.



In the Tag Editor, create the select statement in the Query Pane:

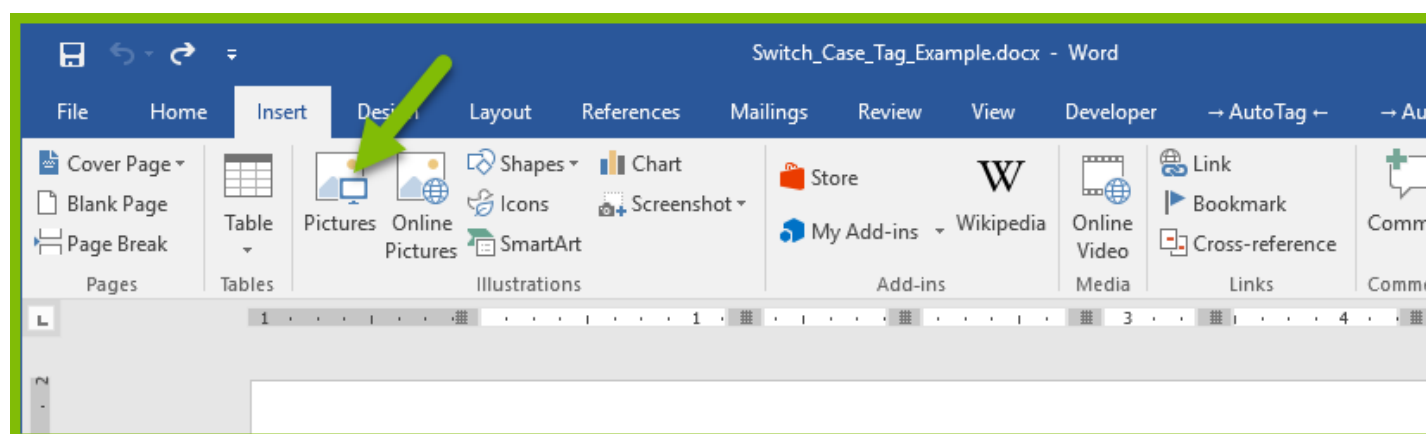
1. Expand the ForEach Tag's \${var1} variable in the Data Pane

2. Drag and drop "CountryRegionName" from the Data Pane to the Query Pane
3. Complete the select statement by adding " == 'Australia'"
4. Click on the Evaluate button

The completed select statement should be "`=${var1.CountryRegionName} == 'Australia'`" (without the quotes).

Give the Tag the nickname "Australia?" as you did for the Switch Tag above, and save the Tag.

Place your cursor after the [Australia?] Case Tag, and use the Word Insert Pictures button to insert the australia\_flag.png image:




Your template should look like this:

## Switch, Case and EndSwitch Tags Example

This sample uses the SQL Server AdventureWorks database

Display information about customers:

First Name	Last Name	Address	City	State	Postal Code	Country
[Customers][First Name]	[Last Name]	[Address]	[City]	[State]	[Postal Code]	[Country][Australia?] 

:forEach]

Repeat this procedure to add Case Tags and images for Canada, Mexico and the United States. The queries for the Case Tags should look like:





- `=${var1.CountryRegionName} == 'Canada'`
- `=${var1.CountryRegionName} == 'Mexico'`
- `=${var1.CountryRegionName} == 'United States'`

And the template should look like:

## Switch, Case and EndSwitch Tags Example

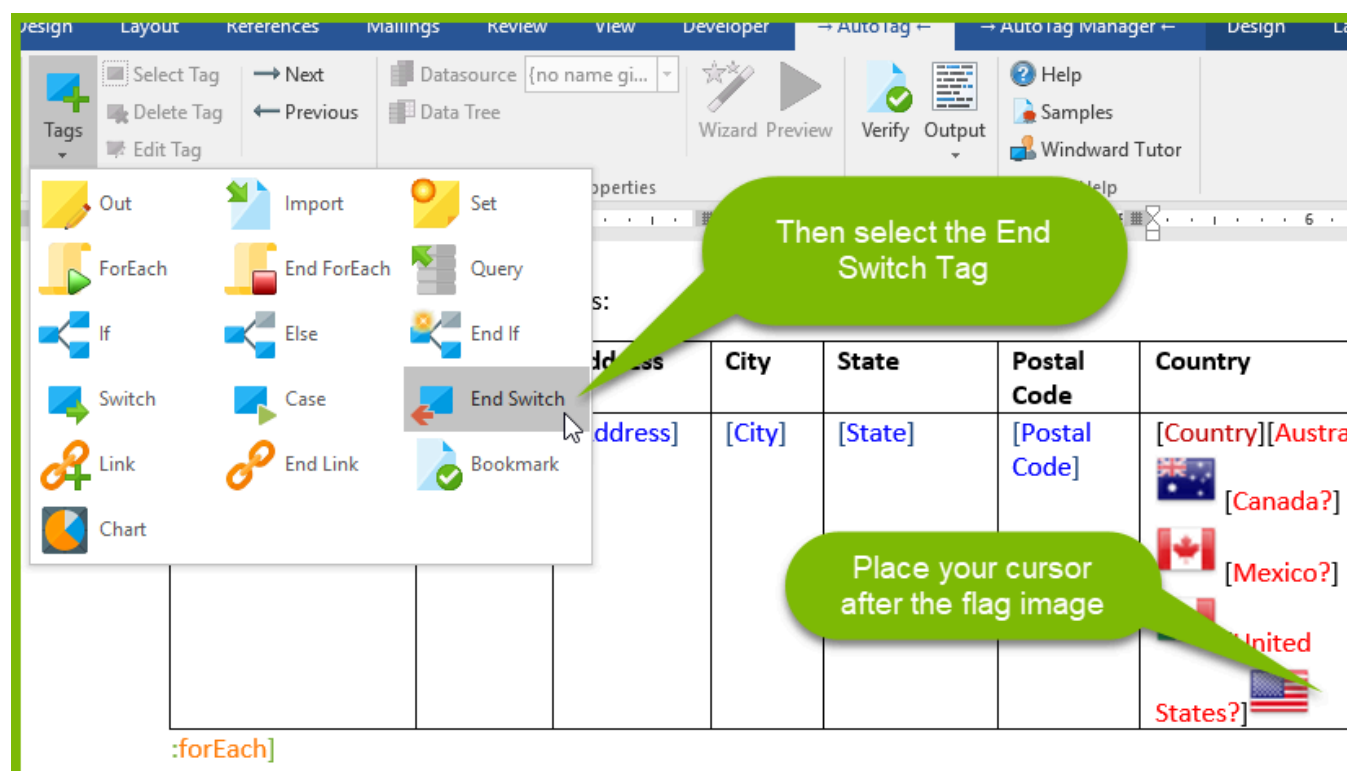
This sample uses the SQL Server AdventureWorks database

Display information about customers:

First Name	Last Name	Address	City	State	Postal Code	Country
[Customers][First Name]	[Last Name]	[Address]	[City]	[State]	[Postal Code]	[Country][Australia?]  [Canada?]  [Mexico?]  [United States?] 

:forEach]

Now that we have created all of the Case Tags, and inserted the images that will be displayed when the Case Tags' conditions are met, we must remember to insert the EndSwitch Tag. Place your cursor after the image of the United States flag, and use the Tags button to insert an EndSwitch Tag:







The screenshot shows the Windward Developer application with the 'Tags' menu open. The 'End Switch' tag is highlighted. A green callout bubble points to the 'End Switch' tag with the text "Then select the End Switch Tag". Another green callout bubble points to the cursor position after the United States flag in the table with the text "Place your cursor after the flag image".

Finally, here is the completed template:

## Switch, Case and EndSwitch Tags Example

This sample uses the SQL Server AdventureWorks database

Display information about customers:

First Name	Last Name	Address	City	State	Postal Code	Country
[Customers][First Name]	[Last Name]	[Address]	[City]	[State]	[Postal Code]	[Country][Australia?]  [Canada?]  [Mexico?]  [United States?]  [switch]

:forEach]












And here is our output:



### Switch, Case and EndSwitch Tags Example

This sample uses the SQL Server AdventureWorks database

Display information about customers:

First Name	Last Name	Address	City	State	Postal Code	Country
Jon	Yang	3761 N. 14th St	Rockhampton	Queensland	4700	
Julio	Ruiz	7305 Humphrey Drive	East Brisbane	Queensland	4169	
Janet	Alvarez	2612 Berry Dr	Matrville	New South Wales	2036	
Jacquelyn	Suarez	7800 Corrinne Court	East Brisbane	Queensland	4169	
Jordan	King	7156 Rose Dr.	Metchosin	British Columbia	V9	
Jessie	Zhao	213 Valencia Place	Warrnambool	Victoria	3280	
Jill	Jimenez	9111 Rose Ann Ave	St. Leonards	New South Wales	2065	
Jimmy	Moreno	6385 Mark Twain	Bendigo	Victoria	3550	
Jaime	Nath	5927 Rainbow Dr	Milsons Point	New South Wales	2061	
Jennifer	Russell	3981 Augustine Drive	National City	California	91950	
Jesse	Murphy	3350 Kingswood Circle	Tacoma	Washington	98403	
Jaclyn	Lu	2812 Mazatlan	Geelong	Victoria	3220	