This feature introduced in **Tiki19** allows you to embed diagrams on Wiki pages. Because when you create a diagram, you will need to include it in a Wiki page.

You can embed a diagram on a wiki page in different ways, either by referring to the identifier of the xml file saved in the file gallery, or by directly using the xml code of your diagram in the body of the PluginDiagram.

Here you will see the different ways to embed a diagram on a Wiki page. See [Diagram](#) for more information on creating and manipulating a diagram.

### Notice

You should use latest 20.x from SVN or the [Daily Build](#), to get all the latest fixes and enhancements.

### Parameter

*Introduced in Tiki 19.*

**Preferences required:** wikiplugin_diagram

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Accepted Values</th>
<th>Description</th>
<th>Default</th>
<th>Since</th>
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</thead>
<tbody>
<tr>
<td>wikiparse</td>
<td></td>
<td>Parameter that will allow to parse wiki markup language inside the diagram if the value is &quot;1&quot;</td>
<td>21.0</td>
<td></td>
</tr>
<tr>
<td>align</td>
<td></td>
<td>Alignment of the diagrams during PDF export. Accepted values: &quot;left&quot;, &quot;right&quot; and &quot;center&quot;</td>
<td>left</td>
<td></td>
</tr>
<tr>
<td>annotate</td>
<td>int</td>
<td>Id of the file in the file gallery. A image file to include in the diagram.</td>
<td>20.0</td>
<td></td>
</tr>
<tr>
<td>fileId</td>
<td>int</td>
<td>Id of the file in the file gallery. A xml file containing the graph model. Leave empty for more options.</td>
<td>19.0</td>
<td></td>
</tr>
<tr>
<td>page</td>
<td>text</td>
<td>Page of the diagram that should be displayed.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Getting started with **PluginDiagram**

This feature required the installation of the 'tikiwiki/diagram' package ('xorti/mxgraph-editor' in older versions) and the activation of the PluginDiagram. Please see [Packages](#) for more information if you don't know how to activate the Plugin.

First, go to the tiki menu and create a wiki page, give it a name and then validate the creation. See [Using Wiki Pages](#) and here [Wiki](#) for more information on wiki pages.

The second thing, in the editing space of the wiki page, write this code:

```
{diagram}
```

When you add a PluginDiagram to a page without specifying its settings and save the changes, to continue
after saving the page, you will see the "Create a new diagram" button as shown in the image below:

![Success](image1)

Press this button and you will be redirected to Tiki Diagram which is in which you can draw your diagram from scratch. See Diagram for more information on creating and manipulating diagrams.

After this step, add a diagram as in the image below where we show a Venn diagram.

Once the diagram has been saved, you will be redirected to the page you created previously on which you will see the diagram. You can still modify it by clicking on **Edit diagram**. In this case, the diagram is directly integrated into the Wiki page.

By proceeding in this way, this means that it will be directly integrated into the Wiki page. If you want to edit the page, you will see the diagram's xml code.

Venn Diagram in Wiki Page
For a diagram saved in the file gallery as an xml file and identified by its ID, use this ID as the value of the `fileId` parameter of the Diagram plugin. In this case, you will see the diagram displayed on the Wiki page.

```html
{diagram fileId=" "}
```

You can also put the xml code of the diagram directly into the body of the Diagram plugin as shown below:

```html
{DIAGRAM()}
```

```xml
<mxGraphModel dx="832" dy="529" grid="1" gridSize="10" guides="1" tooltips="1" connect="1" arrows="1" fold="1" page="1" pageScale="1" pageWidth="827" pageHeight="1169" math="0" shadow="0">
  <root>
    <mxCell id="0"/>
    <mxCell id="1" parent="0"/>
  </root>
</mxGraphModel>
{DIAGRAM}
```

**Examples**

**Use the Id of the diagram**

When you finish creating a diagram, go to the file gallery, and take the **Id** of the new created file. Then create a Wiki page and add the Diagram plugin with the **Id** in parameters. The code above is the one of the Venn diagram, registered in the gallery with Id 129.

```html
{diagram fileId="129"}
```

This code will produce

*Venn Diagram in Wiki Page*
Use directly the xml code of the diagram

{DIAGRAM()}

```xml
<mxGraphModel dx="832" dy="-271" gridSize="10" guides="1" tooltips="1" connect="1" arrows="1" fold="1" page="1" pageScale="1" pageWidth="150" pageHeight="100" background="#ffffff" math="0" shadow="0">
  <root>
    <mxCell id="0"/>
    <mxCell id="1" parent="0"/>
    <mxCell id="63e8fc19adbfdeb-4" value="" style="ellipse;whiteSpace=wrap;rotation=-20;fillColor=#1ba1e2;opacity=50;strokeColor=#006EAF;html=1;fontColor=#ffffff;" parent="1" vertex="1">
      <mxGeometry x="116" y="914.5" width="388" height="157" as="geometry"/>
    </mxCell>
    <mxCell id="63e8fc19adbfdeb-5" value="A" style="text;spacingTop=-5;fontStyle=1;fontSize=14;html=1;fontColor=#FFFFFF;" parent="1" vertex="1">
      <mxGeometry x="295" y="987.4077060838736" width="30" height="20" as="geometry"/>
    </mxCell>
    <mxCell id="63e8fc19adbfdeb-6" value="B" style="text;spacingTop=-5;fontStyle=1;fontSize=14;html=1;fontColor=#FFFFFF;" parent="1" vertex="1">
      <mxGeometry x="620" y="993.4077060838736" width="30" height="20" as="geometry"/>
    </mxCell>
    <mxCell id="63e8fc19adbfdeb-8" value="D" style="text;spacingTop=-5;fontStyle=1;fontSize=14;html=1;fontColor=#FFFFFF;" parent="1" vertex="1">
      <mxGeometry x="343.8799163537604" y="1135.1665799393195" width="30" height="20" as="geometry"/>
    </mxCell>
  </root>
</mxGraphModel>
```
The above code will produce

**Venn in Wiki Page**

Use directly the xml code example

```xml
{DIAGRAM()}
<mxGraphModel dx="979" dy="603" grid="1" gridSize="10" guides="1" tooltips="1" connect="1" arrows="1" fold="1" page="1" pageScale="1" pageWidth="827" pageHeight="1169" math="0" shadow="0">
  <root>
    <mxCell id="0"/>
    <mxCell id="1" parent="0"/>
    <mxCell id="tC0NDuqFyo3yD21NZPqa-22" value="" style="ellipse;whiteSpace=wrap;html=1;aspect=fixed;strokeColor=#000000;fillColor=#88D4DA;opacity=60;" parent="1" vertex="1">
      <mxGeometry x="210" y="275" width="280" height="280" as="geometry"/>
    </mxCell>
    <mxCell id="tC0NDuqFyo3yD21NZPqa-23" value="" style="ellipse;whiteSpace=wrap;html=1;aspect=fixed;strokeColor=#000000;fillColor=#7FC47F;opacity=60;" parent="1" vertex="1">
      <mxGeometry x="400" y="280" width="280" height="280" as="geometry"/>
    </mxCell>
    <mxCell id="tC0NDuqFyo3yD21NZPqa-24" value="&lt;font style=":"30px"&quot;&gt;Whales&lt;/font&gt;"
```
Fish give birth to live young. They breathe above water and live in the ocean. They lay eggs. They breathe underwater.
The above code will produce

Venn example in Wiki Page

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**Draw on Screenshot**

With PluginDiagram, you can very easily highlight the most important parts of your screenshots such as adding arrows, circles, highlighted areas, etc.

So, after downloading your Screenshot which will eventually be in the File Gallery, take its Id and use it as a value of the parameter `annotate` of the Plugin Diagram in a Wiki page. Here is the usage:

```
{diagram annotate="1"}
```

Once the code has been added and the Wiki page saved, click on the Create New Diagram button that will appear there, after being redirected to the Tiki Diagram interface, add the annotations (circles, texts, curves, etc.) on the screenshot and save your diagram.

For the screenshot used in our current example, we obtained this as a final result:
At the end, we will be redirected to the page where we started and a code will be automatically added to the PluginDiagram located there:

```xml
{DIAGRAM(annotate=1)}
<mxGraphModel dx="1791" dy="606" gridSize="10" guides="1" tooltips="1" connect="1" arrows="1" fold="1" page="1" pageScale="1" pageWidth="850" pageHeight="1100" background="#ffffff" math="0" shadow="0">
  <root>
    <mxCell id="0"/>
    <mxCell id="1" parent="0"/>
    <mxCell id="2" value="" style="shape=image;imageAspect=0;aspect=fixed;verticalLabelPosition=bottom;verticalAlign=top;image=display175;imageBackground=none;movable=0;resizable=0;rotatable=0;deletable=0;editable=0;connectable=0;" parent="1" vertex="1">
      <mxGeometry width="720" height="547" as="geometry"/>
    </mxCell>
    <mxCell id="QcbP1NpieLpURSSM9S9p-2" value="" style="endArrow=classic;html=1;strokeColor=#A59705;strokeWidth=3;endSize=5;" edge="1" parent="1">
      <mxGeometry width="50" height="50" relative="1" as="geometry">
        <mxPoint x="457" y="17" as="sourcePoint"/>
        <mxPoint x="302" y="17" as="targetPoint"/>
      </mxGeometry>
    </mxCell>
    <mxCell id="QcbP1NpieLpURSSM9S9p-3" value=""
```