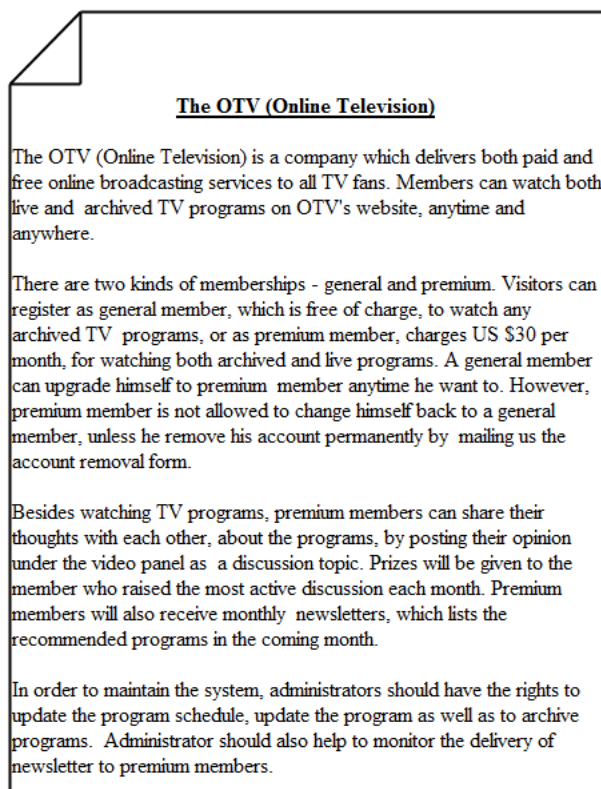




## How to Derive Data Dictionary from Textual Analysis?

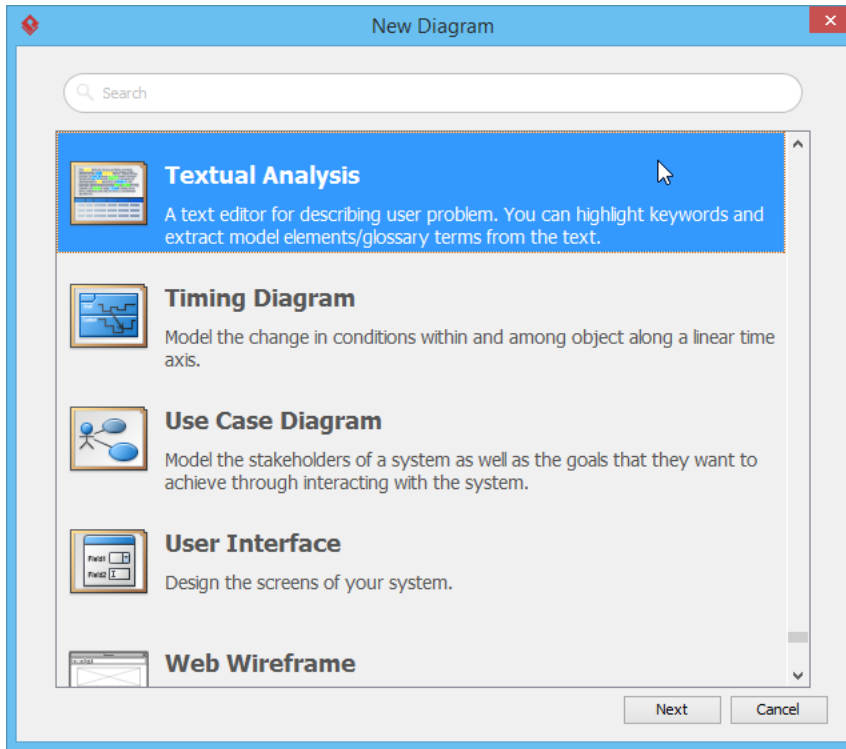
Written Date : January 4, 2010

1. Download [otv.txt](#). You can also find this file at the bottom of this tutorial.
2. Open the downloaded file and read it once. The content is as below. It describes the operations of the company OTV (Online Television).

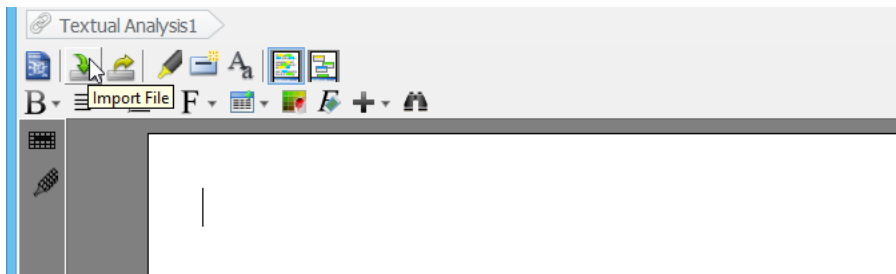


3. Create a new project by selecting **Project > New** from the application toolbar. In the **New Project** window, enter *OTV* as the project name and click **Create Blank Project**.
4. Select **Diagram > New** from the application toolbar.

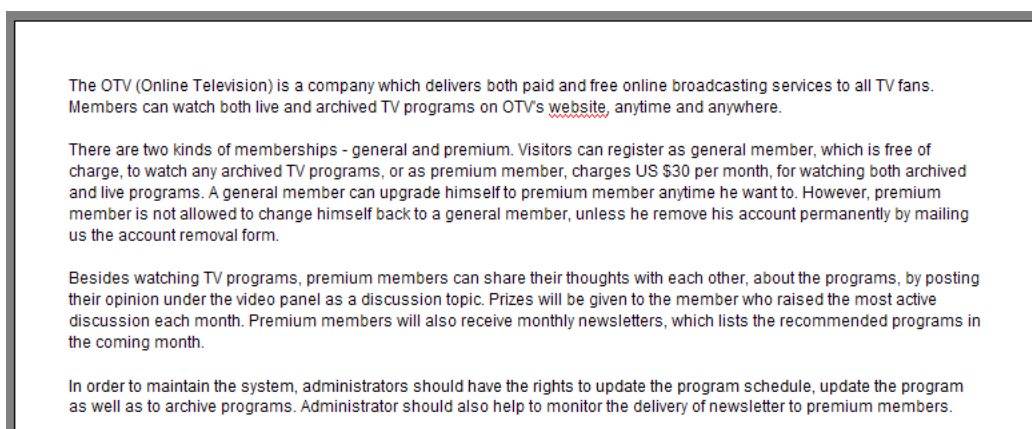
5. In the **New Diagram** window, select **Textual Analysis** and click **Next**. Leave the diagram name unchanged and click **OK** to create a Textual Analysis diagram.



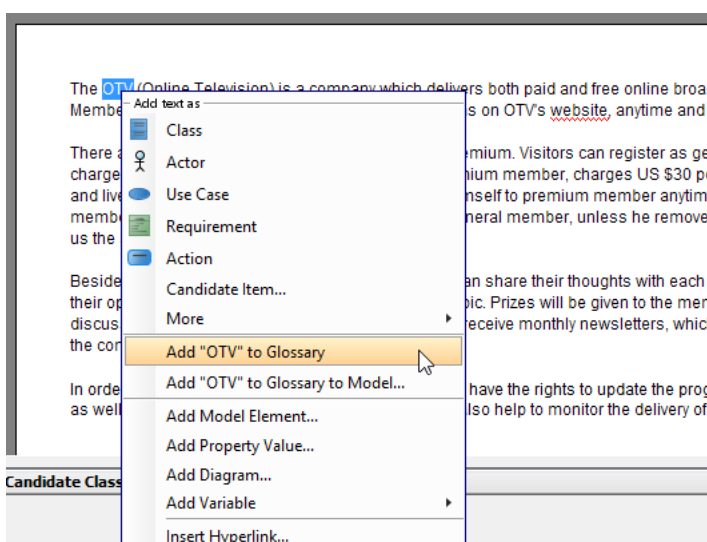
6. Click the **Import File** button above the textual analysis editor.



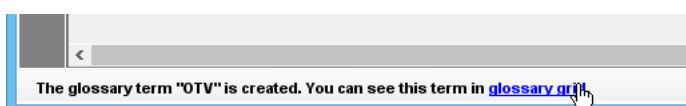
7. Select the downloaded file *otv.txt*. You will need to select **Text Documents** as the file type in the file chooser to see the file. After importing the file, you should see the problem description appear in the textual analysis editor.



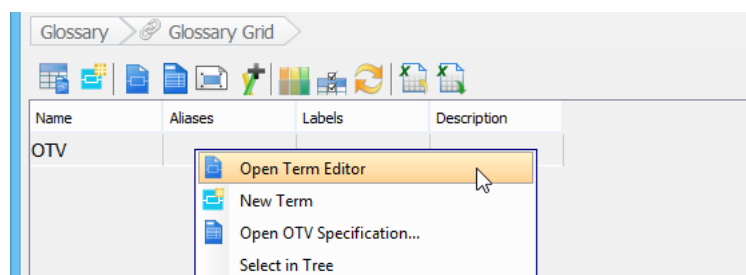
8. Start by identifying the key terms from the problem description. Right-click on the first keyword, *OTV*, and select **Add "OTV" to Glossary** from the popup menu.



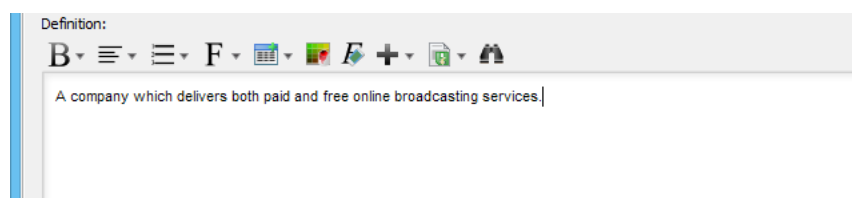
9. You should see a message appear on the status bar indicating that the term *OTV* has been added to the glossary grid. Click on the glossary grid link to go there. If you miss it, don't worry. You can open the glossary grid by selecting **Modeling > Glossary > Glossary Grid** from the application toolbar.



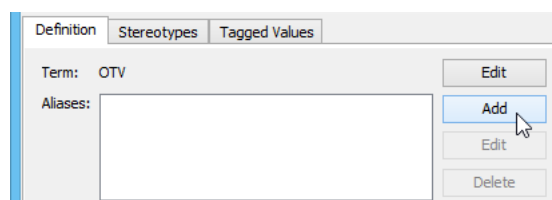
- The glossary grid is where glossary terms are listed. You can check the terms and their definitions in the grid. You can also create and manage terms using the function buttons on the toolbar at the top of the glossary grid. Now, let's describe the term *OTV*. Right-click on the term and select **Open Term Editor** from the popup menu.



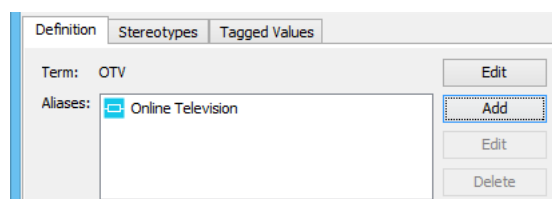
- Enter the definition of the term in the **Definition** field: *A company that delivers both paid and free online broadcasting services.*



- You can use different texts (via aliases) to refer to the same term. This helps to avoid redundancy when creating multiple terms with the same meaning. Let's add an alias called "Online Television." Click **Add** on the right side of the **Aliases** section (located at the top of the term editor).



- Enter *Online Television* in the input window and confirm. *Online Television* is now an alias for the term *OTV*.



14. Add another alias, *Online TV*.



15. Go back to the glossary grid by selecting **Modeling > Glossary > Glossary Grid** from the application toolbar. You can see the aliases and description (i.e., definition) there as well.

Name	Aliases	Labels	Description
OTV	Online Television, Online TV		A company which delivers both paid and free onl...

16. Now, let's identify the following terms from the textual analysis editor:

Term	Aliases	Documentation
general member	general membership	The person who owns the free membership and is allowed to watch free programs.
archived TV programs	archived programs	A program that was first broadcast at least 3 months ago.
premium member	premium membership	The person who owns the premium membership and is allowed to watch both free and paid programs.
video panel	video pane	The panel for playing a program.
discussion topic		An opinion posted by premium members that discusses the program.
monthly newsletters	newsletters	An email sent to users every month to provide information about the company and to list recommended programs for the next month.
administrators	admin	The person who has the right to manage the upload and removal of programs and memberships.
program schedule	program timetable	The timetable of TV programs.
update the program		To update the list of programs on the programs page.

archive programs		To mark a program as archived.
monitor the delivery of the newsletter		To ensure that the newsletter is delivered. Failed deliveries should be checked, and a re-send action should be taken.

Up to now, the glossary is complete:

Name	Aliases	Labels	Description
administrators	admin		The person who owns the right to manage the upload and r...
archive programs			To mark a program as archived
archived TV programs	archived programs		The program that was firstly broadcast for at least 3 months
program schedule	program timetable		The timetable of TV programs
general member	general membership		The person who own the free membership, and is allowed to...
update the program			To update the list of programs on the programs page
monthly newsletters	newsletters		An email to send to user every month, to give information o...
monitor the delivery o...			To make sure the newsletter are delivered. Failure delivery s...
discussion topic			Opinion posted by premium members, which talks about th...
premium member			The person who own the premium membership, and is allow...
OTV	Online Television, Online TV		A company which delivers both paid and free online broadca...
video panel	video pane		The panel for playing a program

17. Open the textual analysis, and you will see that those terms are highlighted.

The [OTV \(Online Television\)](#) is a company which delivers both paid and free online broadcasting services to all TV fans. Members can watch both live and [archived TV programs](#) on [OTV's website](#), anytime and anywhere.

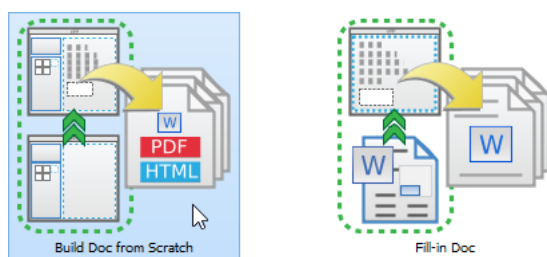
There are two kinds of memberships - general and premium. Visitors can register as [general member](#), which is free of charge, to watch any [archived TV programs](#), or as [premium member](#), charges US \$30 per month, for watching both archived and live programs. A [general member](#) can upgrade himself to [premium member](#) anytime he want to. However, [premium member](#) is not allowed to change himself back to a [general member](#), unless he remove his account permanently by mailing us the account removal form.

Besides watching TV programs, premium members can share their thoughts with each other, about the programs, by posting their opinion under the [video panel](#) as a [discussion topic](#). Prizes will be given to the member who raised the most active discussion each month. Premium members will also receive [monthly newsletters](#), which lists the recommended programs in the coming month.

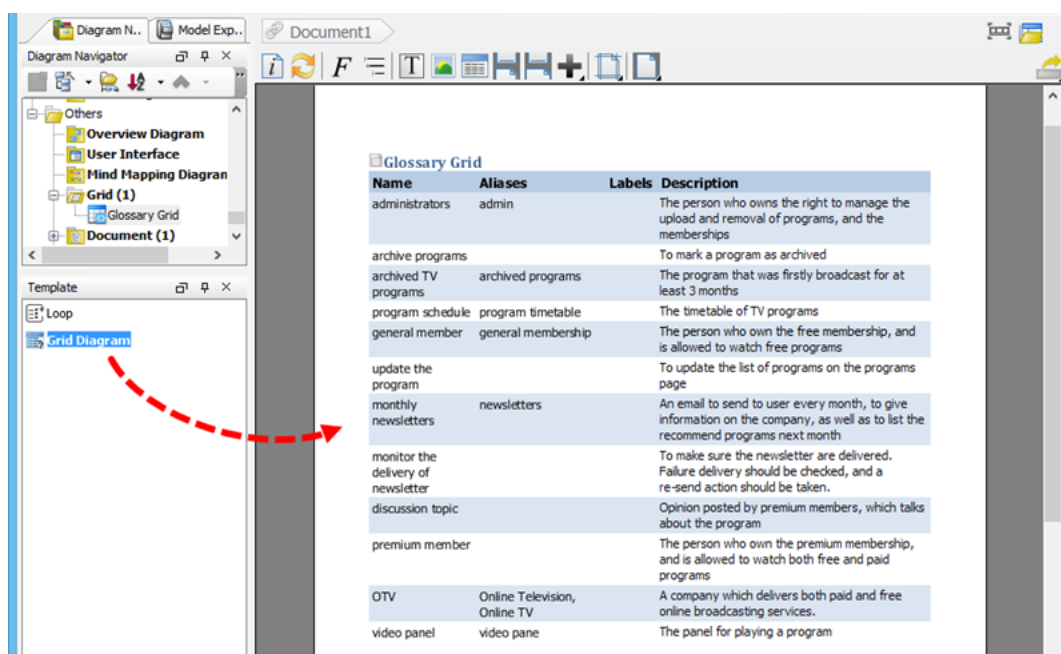
In order to maintain the system, [administrators](#) should have the rights to [update the program](#) schedule, [update the program](#) as well as to [archive programs](#). Administrator should also help to [monitor the delivery of newsletter](#) to premium members.

18. Let's export the glossary grid as a document. Select **Tools > Doc. Composer...** from the application toolbar.

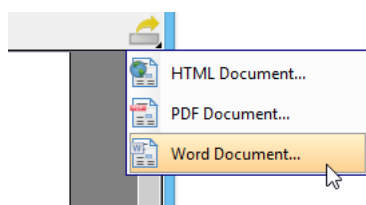
19. Click on **Build Doc from Scratch**.



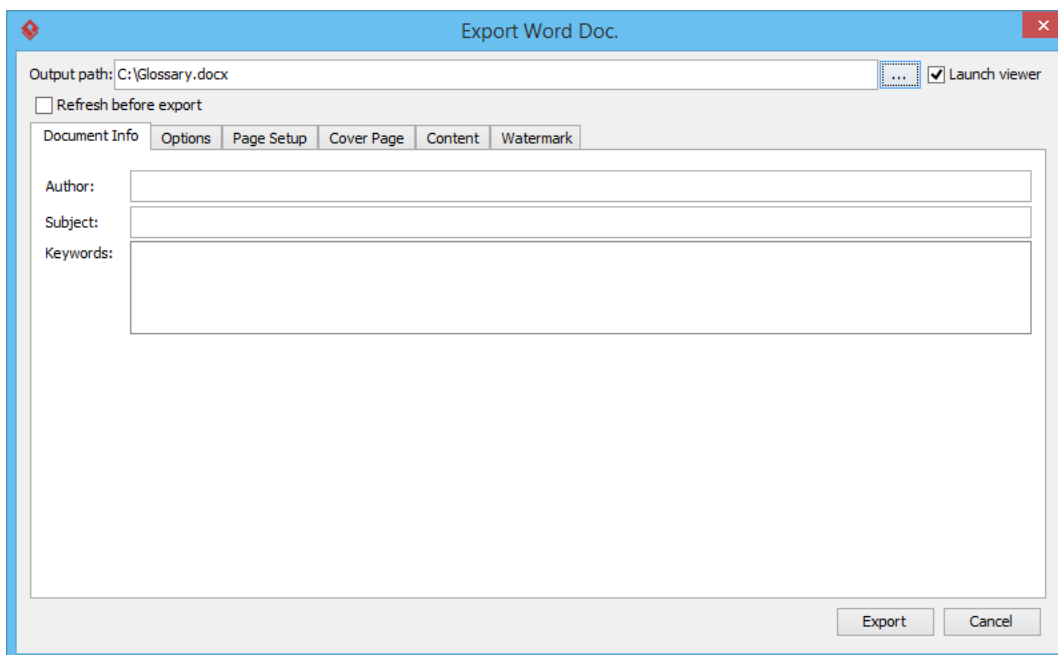
20. You are now presented with the **Diagram Navigator**, the **Template Pane**, and an empty document (editor). Let's create content in the document. Select the glossary grid in the **Diagram Navigator**. Then, drag the **Grid Diagram** template from the **Template Pane** and release it onto the document to create the content. You should see a table of glossary terms created in the document.



21. Click on **Export > Word Document...** at the top right of [Doc. Composer](#).



22. In the **Export Word Doc.** window, provide the output path for the .docx file to be exported and then click **Export** at the bottom right.



Open the Word file to take a look. You should see the glossary terms listed in the document.



23. Save the project. This is the end of the tutorial.

## Resources

1. [otv.txt](#)

## Related Links

- [Full set of UML tools and UML diagrams](#)



[Visual Paradigm home page](https://www.visual-paradigm.com/)  
(<https://www.visual-paradigm.com/>)

[Visual Paradigm tutorials](https://www.visual-paradigm.com/tutorials/)  
(<https://www.visual-paradigm.com/tutorials/>)