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# DoxygenPlugin

Create links to doxygen-generated docs using `%DOX{classname}%`

## Introduction

This plugin allows you to create links to classes within doxygen-generated documentation.

## Syntax Rules

`%DOX{classname[displayName] project="optionalProjectName"%}`

## Examples

syntax	example	
<code>%DOX{classname}%</code>	<code>%DOX{nKernelServer}%</code>	nK
<code>%DOX{classname}%</code>	<code>%DOX{nebulacollide::nKernelClient::BadConnection}%</code>	neb [ba
<code>%DOX{path/to/html}%</code>	<code>%DOX{nebulacollide/html/collide_usage.html}%</code>	neb
<code>%DOX{classname[displayName]}%</code>	<code>%DOX{nKernelServer[The Kernel]}%</code>	The

Where *classname* is the **case sensitive** name of the class you wish to link to. For example `nKernelServer` [bad link?] creates a link like this `nKernelServer` [bad link?].

If you are using namespaces or nested classes, specific the fully qualified name with `::` as you would referecing it in code as in the example above.

If you wish to link to a specific function or other API page, then you can use `%DOX{path}%` where *path* is the path to the html file relative to `/doc/doxydoc/`. For example if you wished to link to `/doc/doxydoc/nebulacollide/html/collide_usage.html` then you would type `%DOX{nebulacollide/html/collide_usage.html}%` to get a link like this `nebulacollide/html/collide_usage.html`.

To have the link display text other than the class name or file path, put the alternative text in square brackets like this `%DOX{nKernelServer[The Kernel]}%`, which would display as `The Kernel` [bad link?]

## DoxygenPlugin Global Settings

Plugin settings are stored as preferences variables. To reference a plugin setting write `%<plugin>_<setting>%`, i.e. `%DOXYGENPLUGIN_SHORTDESCRIPTION%`

- One line description, is shown in the `TextFormattingRules` topic:
  - ◆ Set `SHORTDESCRIPTION` = Create links to doxygen-generated docs using `%DOX{classname}%`
- Debug plugin: (See output in `data/debug.txt`)
  - ◆ Set `DEBUG` = 0
- The Nebula Device project codebase
  - ◆ Set `DOCS_BASE_NEB` = `/home/groups/n/ne/nebuladevice/nebula/doc/doxydoc/nebulacore/html/class`
  - ◆ Set `URL_BASE_NEB` = `http://nebuladevice.sourceforge.net/doc/doxydoc/nebulacore/html/` [↗](http://nebuladevice.sourceforge.net/doc/doxydoc/nebulacore/html/)

## DoxygenPlugin < TWiki < TWiki

- Default project if repository isn't specified in the plugin parameters (case doesn't matter here because it all gets uppercased anyway)
  - ◆ Set PROJECT = neb
- Settings for CMS
  - ◆ Set DOCS\_BASE\_CMS = /afs/cern.ch/cms/sdt/web/doxygen
  - ◆ Set URL\_BASE\_CMS = <http://cms-service-sdtweb.web.cern.ch/cms-service-sdtweb/doxygen/>

## Plugin Installation Instructions

**Note:** You do not need to install anything on the browser to use this plugin. The following instructions are for the administrator who installs the plugin on the server where TWiki is running.

- Download the ZIP file from the Plugins web (see below)
- Unzip **DoxygenPlugin.zip** in your twiki installation directory. Content:

File:	Description:
<b>data/TWiki/DoxygenPlugin.txt</b>	Plugin topic
<b>data/TWiki/DoxygenPluginTests.txt</b>	Plugin topic tests
<b>lib/TWiki/Plugins/DoxygenPlugin.pm</b>	Plugin Perl module
- Visit `configure` in your TWiki installation, and enable the plugin in the {Plugins} section.
- Test if the installation was successful:
  - ◆ `%DOX{ nKernelServer project="neb" }% : nKernelServer [bad link?]`
- Other examples
  - ◆ see DoxygenPluginTests, Nebula:WritingTopics, Nebula:AddANewModule, and Nebula:LinkNode

## Plugin Info

Plugin Author:	<a href="#">TWiki:Main.WillNorris</a> , <a href="#">TWiki:Main.LeafGarland</a>
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License:	GPL (GNU General Public License)
Plugin Version:	2011-02-01
Change History:	
2011-02-01:	<a href="#">TWiki:bug:Item6638</a> : Doc improvements; changing TWIKIWEB to SYSTEMWEB -- <a href="#">TWiki:Main.PeterThoeny</a>
2007-01-11:	Added support for namespaces and nested classes -- <a href="#">TWiki:Main.RickMach</a>
2003-08-01:	Initial version
CPAN	none
Dependencies:	
Other Dependencies:	<a href="#">doxygen</a>
Perl Version:	5.005+
Plugin Home:	<a href="http://TWiki.org/cgi-bin/view/Plugins/DoxygenPlugin">http://TWiki.org/cgi-bin/view/Plugins/DoxygenPlugin</a>
Feedback:	<a href="http://TWiki.org/cgi-bin/view/Plugins/DoxygenPluginDev">http://TWiki.org/cgi-bin/view/Plugins/DoxygenPluginDev</a>

**Related Topics:** [DoxygenPluginTests](#), [TWikiPreferences](#), [TWikiPlugins](#)

This topic: [TWiki > DoxygenPlugin](#)

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**Note:** Please contribute updates to this topic on TWiki.org at TWiki:TWiki.DoxygenPlugin