Attribute Analysis - User Manual

Introduction

Attribute Analysis is a plugin for Rhino 3D, designed to give you a fast Analysis of your Rhino model attributes.

Plugin installation

Overview

The plugin installer can be downloaded at: https://www.tomkod.com/product/attribute-analysis/ A free trial is included, and yearly licenses can be purchased on the aforementioned page. *Attribute Analysis* works for Rhino 5¹, Rhino 6², Rhino7³, and as a standalone software ⁴.

Yak

Our plugins are also compatible with <u>Yak</u>, Rhino's new package manager ⁵, which is basically an application store for Rhino. You just need to call Rhino's command **_PackageManager**:

tomkod		4
@	AttributeAnalysis AttributeAnalysis is a tool designed to give you a fast Analysis of your rh DrawUserTexts v1.0.5-rc	Name: AttributeAnalysis Downloads: 3 Author: Matthieu Arnold (TomKod) Installed: Version: 2.0.4-beta * Date published: lundi 14 décembre 2020
		Url: https://www.tomkod.com/ product/attribute-analysis/ Description:
۰	LightweightSurvey v1.0.3-beta This plugin for Rhino allows your technicians to conduct a vessel s full su	AttributeAnalysis is a tool designed to give you a fast Analysis of your rhino model attributes. Select an attribute: all your objects will be colorized automatically and a color key table will be displayed. You will also be able to select objects by
0	MarineWeightSchedule v1.1.0 The Marine Weight Schedule plugin for Rhino6 can generate a bill of masses	attributes.
•	RhinoBeamTools v1.1.2 Rhino Beam Tools is a rhino plugin built as a bridge between Rhino and spec	Install

You can also install from the repository with the following command line:

"D:\Program Files\Rhino 6\System\Yak.exe" install 'PluginName'

If you add this in a batch file (*.bat) at windows startup, it is probably the best way to keep all your plugins up-to-date 😉

: <pre>C:\>"C:\Program Files\Rhino 6\System\Yak.exe"</pre>	install	PluginName	~
Downloading PluginName (X.X.X.)			
Oownloaded PluginName(X.X.X)			
Installing PluginName(X.X.X)			
Successfully installed PluginName(X.X.X)			

License activation

Prerequisites

The free evaluation can be used once per computer, and requires network access to www.license.tomkod.com

The license activation requires network access to www.tomkod.com Please check your firewall in case of failure.

Activation form

The activation window automatically shows up when the plugin is loading and a valid license or trial is not registered. If you want to see, change or remove your license while the plugin is already loaded, you can use the Rhino commands **PluginName License**.

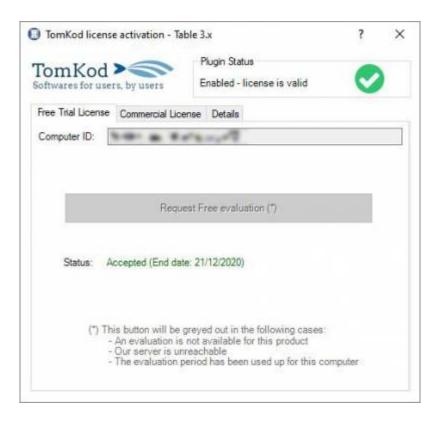
Activation status is always visible on the upper right corner of the form, if the icon is green your plugin will be enabled:



Trial Tab

This first tab is dedicated to the trial requests. Your trial status is displayed, and the button is disabled if a trial is not available for your computer (Your trial has already been activated, or the server is

unreachable)



Commercial Tab

This tab's two main buttons let you Check-out (Activate) or Check-in (Desactivate) your license from our license server.

TomKod license	activation - Table	3.x	?
FomKod		Plugin Status Enabled - license is valid	
Free Trial License	Commercial License	Details	
Email		i .com	
Product key			
Activa	ate (Check-Out)	Desactivate (C	heck-in)
Status: Disa	abled		
Enable float	ting licenses (Affec	ts every TomKod plugins)	
Use a license cer	tificate		
Altern This can av	ative method for offi oid network activati	ine activation, using a certifica on issues, but the license won	ate file. 't be floating.
	Undefined		

When the checkbox "Enable floating licenses" is checked, every TomKod's plugin will try to deactivate the license automatically when closing (Making it available for another of your computers)

Finally, a license certificate (*.TkLic) can be selected at the bottom of this tab. It allows to activate a

license offline, but the license won't be floating anymore. If you need one, contact us at https://www.tomkod.com/contact/

Toolbar

The toolbars for Rhino are always included in your plugins installation directory, or can be downloaded here.

You just have to drag/drop the file "Tomkod.rui" to a rhino window to install them.

Rhino commands

AttributeAnalysis_About

This command can be used only from the command line prompt. It displays the plugin's current revision and license status, as well as the ChangeLog and the list of available commands.

🖀 About			,
Attributeanalysis_RH8_RH7 - v20.4.0			^
Commercial Name: Attribute Analysis 2.x Update Status: Attribute Analysis 2.x: Your current version (2.0.4.0) is an early release cand Editory Townload	idata. Latant stable va	nion: 2.0.4	
Capyright: Capyright @Ship-ST 2020			
Licenne status: Attribute Analysis Zx is a Beta. Activation is not required until the status is changed to cor Computer ID: TomKodDer/Computer/UniquelD	nmercial		
CHANGELOG:			
s v2.0.4 (14 dec. 2020)			
Changed [TomKod] New version of the activation form, with more feedback and options.			
Fixed: [TomKod] Crash when there is no internet connexion and no TomKod license certifi Fixed: [TomKod] Display refresh bug when a TomKod license certificate is picked	cate (*.TkLic)		
Fixed: [TomKod] License validation form should not accept spaces ("") in email textbox			
Fixed: [TomKod] The waiting form should be closable, in case in fails to close itself Improved: [TomKod] Activation form UI minited with tabs			
Fixed: [TomKod] Offline license certificate was not always read Fixed: [TomKod] TomKod about template should give the actual license status and not evo	1. A.	Sec. 12	
Fixed. [TomKod] CommercialLicenseStatus data expire_date is a string. CommercialLicens			ostead
Fised: [TomKod] Offine period should be based on "EncryptedOffineLicense" class Fixed: [TomKod] Bug with Unset plugin status, which was considered as a Beta instead of a	a commercial release		
Fixed: [TorrKod] Implement a plugin license status, and use it in _About abstract comman			
Pixed: [TomKod] Several license activation failure scenarii Fixed: [TomKod] Waiting form (Floating progress bar) display should be refreshed on valu	e updete		
Added: [TomKod] Possibility to desactivate a license from the license activation windows		nore to the compu	ter)
Added: [TomKod] Support for offline activation files (*.TkLic) Added: [TomKod] Possibility to make the licenses floating - Enabled by default (License ar	e released when Rhin	o is closed)	
Added: [TomKod] Common template for every TomKod command (Abstract class) Added [AttributeAnalysis License] command			
Added: Keywords for yek package			
Tested Plugin compatibility with Rhino7			
3 available commands:			
AttributaAnalysia_About AttributeAnalysis AttributeAnalysis			
huiptenegaite_come			*
	Copy All	Seve Aren	Gme

AttributeAnalysis_License

This command can be used only from the command line prompt. It displays the plugin's activation form.

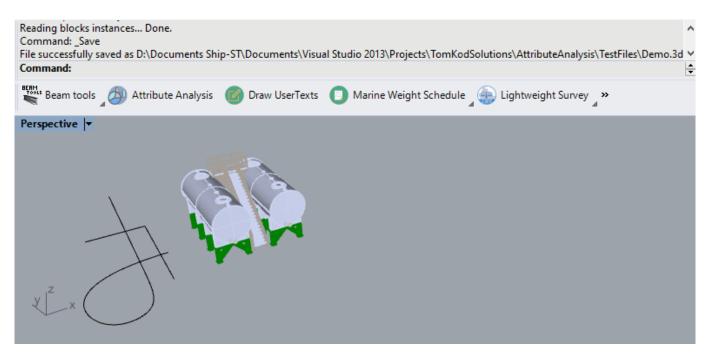
See license_activation.

AttributeAnalysis

Walkthrough

2024/04/25 07:16

- 1. Launch the command
- 2. Select an attribute⁶⁾ from the list (Doublic-click)
- 3. The attribute analysis form is shown and the model's objects are colored to match the keys. The stats are also added to the command line history.
- 4. When the form is closed, the command ends, but the object's selection remains.



Scripted mode

No scripted mode available for this command.

StandAlone mode

This plugin offer a standalone mode, to check your models attributes directly for windows explorer.

Rhino is not needed, this will work regardless it is installed or not !!!

Walkthrough

- 1. Right click on a rhino file
- 2. Select "Open with .. "
- 3. Use the program AttributeAnalysis.exe, available in the plugin's installation folder
- 4. Select an attribute⁷⁾ from the list (Doublic-click)

- 5. The attribute analysis form is shown.
- 6. When the *attribute analysis form* is closed, the attribute selection form is shown again. Close it to close the program.

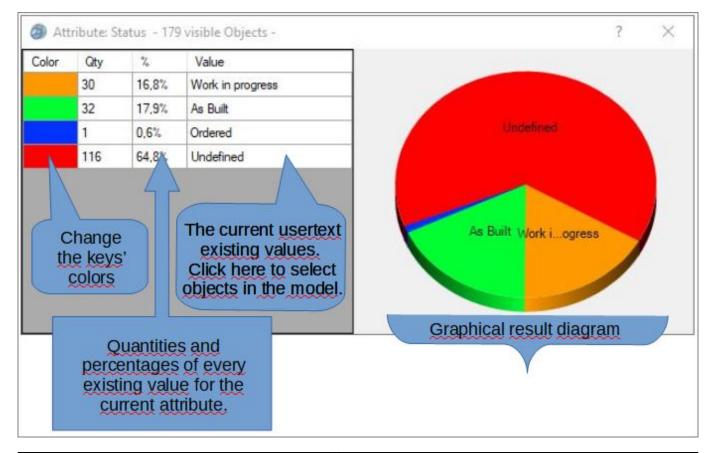
🛃 024.9100.01_Lot 1_ER.3dm	03/02/2016 08:12	Rhino 3-D Model	14 191 Ko
 024.9100.01_Lot 1_EV.3dm.zip	17/02/2016 11:36	Dossier compressé	1 280 Ko
24.9100.02_Lot 2_Al.3dm	04/02/2016 11:37	Rhino 3-D Model	13 865 Ko
Pemo.3dm	11/01/2021 15:04	Rhino 3-D Model	17 066 Ko
TestMacroCouleur.3dm	08/10/2019 11:24	Rhino 3-D Model	779 Ko
🛃 TestModel.3dm	07/11/2019 10:09	Rhino 3-D Model	44 Ko
🛃 TestModel_RH5.3dm	07/11/2019 11:26	Rhino 3-D Model	41 Ko



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Attribute Analysis Form

This custom form is where the selected usertext's stats will be displayed:



https://wiki.tomkod.com/

1) Rhino 5.12 or later 2) Rhino 6.15 or later 3) Tested up to Rhino 7.1 4) windows7 and later 5) Rhino 6 or later only, with graphic user interface for Rhino7 only 6) _ 7) usertext

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