

COLIA – COgras Licensing Analyzer

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Company: COGRAS spol. s r.o., Přerov, Czech Republic (www.cogras.cz)

Contacts: msykora@cogras.cz rhlavka@cogras.cz

COLIA is a modern replacement of the PTC's application for monitoring the usage of Pro/ENGINEER licenses. COLIA substantially extends the functionality of the original application, which is quite outdated at the present time.

The main objectives of COLIA application

- To monitor the availability of floating licenses managed by FlexNet licensing system. At the moment, COLIA focuses on Creo applications and Creo floating modules. In the future, it can be extended to support CETOL or other software packages (depending on requirements from customers).
- To provide an overview of licenses that are currently available on the customer's license server.
- To keep track of cases when floating licenses are used improperly (such as when a single user holds multiple licenses of the same type or for the same application).
- To provide summary information about the license usage by all users.

The structure of the application

The application consists of two main parts – the server and the client.

The server application (*COLIAService*) can be installed on the customer's license server or on the administrator's workstation. It runs continuously and regularly checks the FlexNet status. The collected information is then stored in the server database. The default frequency of the check is 2 minutes (this value can be configured). The server maintains separate database files for each month.

The client application (*COLIAReport*) reads the collected data from the server database and presents them to the user (i.e. license administrator) in the form of well-arranged charts and summary tables. The administrator can pick the desired time period and select the data view (chart type) that best suits his/her needs.

Names of supported Creo licenses

All monitored licenses are named according to the content of installed license files, i.e.

Creo stand-alone applications:

PROE_Drafting	Creo Essentials Lite (formerly Pro/E Basic Drafting Package)
PROE_Foundation	Creo Foundation (formerly Pro/E Foundation)
PROE_FoundationAdv	Creo Parametric (formerly Pro/E Foundation Advantage Package)
PROE_FAPAAX	Creo Advanced XE with AAX (formerly Pro/E Advanced XE with AAX)
PROE_FoundationVis	Creo Foundation for Visualization

Creo floating modules:

MECBASICENG_License	Creo Simulation Basic ENG
MECBASICUI_License	Creo Simulation Basic UI
PROBUNDLE_10108	Creo NC Machining Option (formerly Pro/E Machining Option)
PROBUNDLE_10113	Creo Primitives and Multi-Surfaces Milling Option
PROBUNDLE_10114	Complete Machining Option
PROBUNDLE_10115	Production Machining Option

COLIA licensing and prices

No license is required for the server application (*COLIAService*). This module only collects the data from FlexNet and writes them to the database.

The data viewer (*COLIAReport*) requires a license which is bound to the local workstation (MAC address).

Price of time-unlimited COLIA license: 990 EUR without VAT, annual support: 200 EUR

Price of time-limited COLIA license for 1 year: 770 EUR without VAT

COLIA outputs

The *COLIAReport* application provides the administrator an overview of license usage. There are several views available that show various aspects of the usage of floating licenses.

It is also possible to export the presented charts and summary tables for use in other applications (e.g. Microsoft Office).

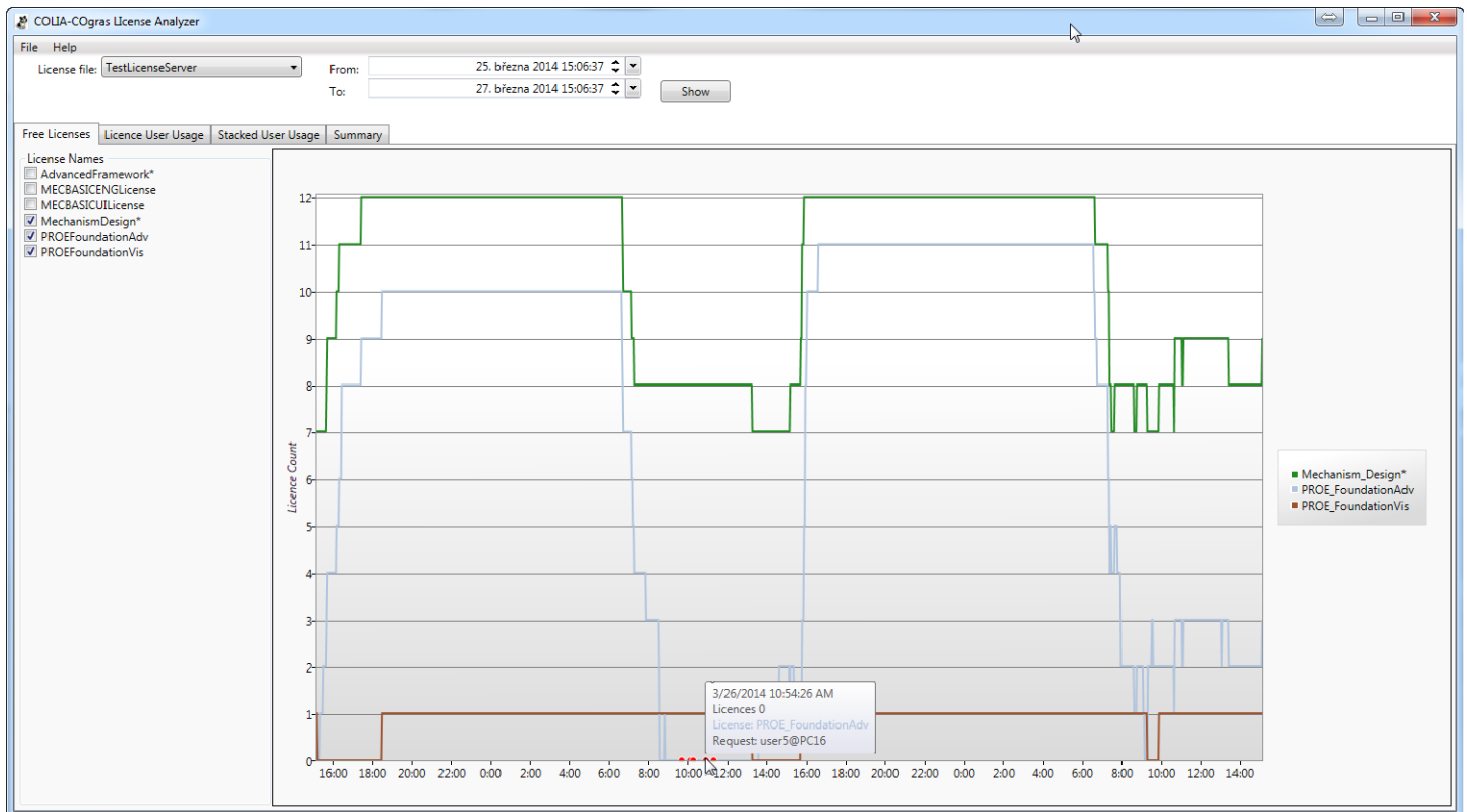
The following sections describe the various data views provided by *COLIAReport*.

1. The chart showing free licenses used during a time period

To display the chart of free licenses, activate the **Free Licenses** tab (see the figure below).

Select the desired database from the **License file** drop-down list and define the time period (within the time frame covered by the database file).

Using the check-boxes under **License Names**, pick one or more license types. They will be included in the chart. Each license type will be represented by different color.



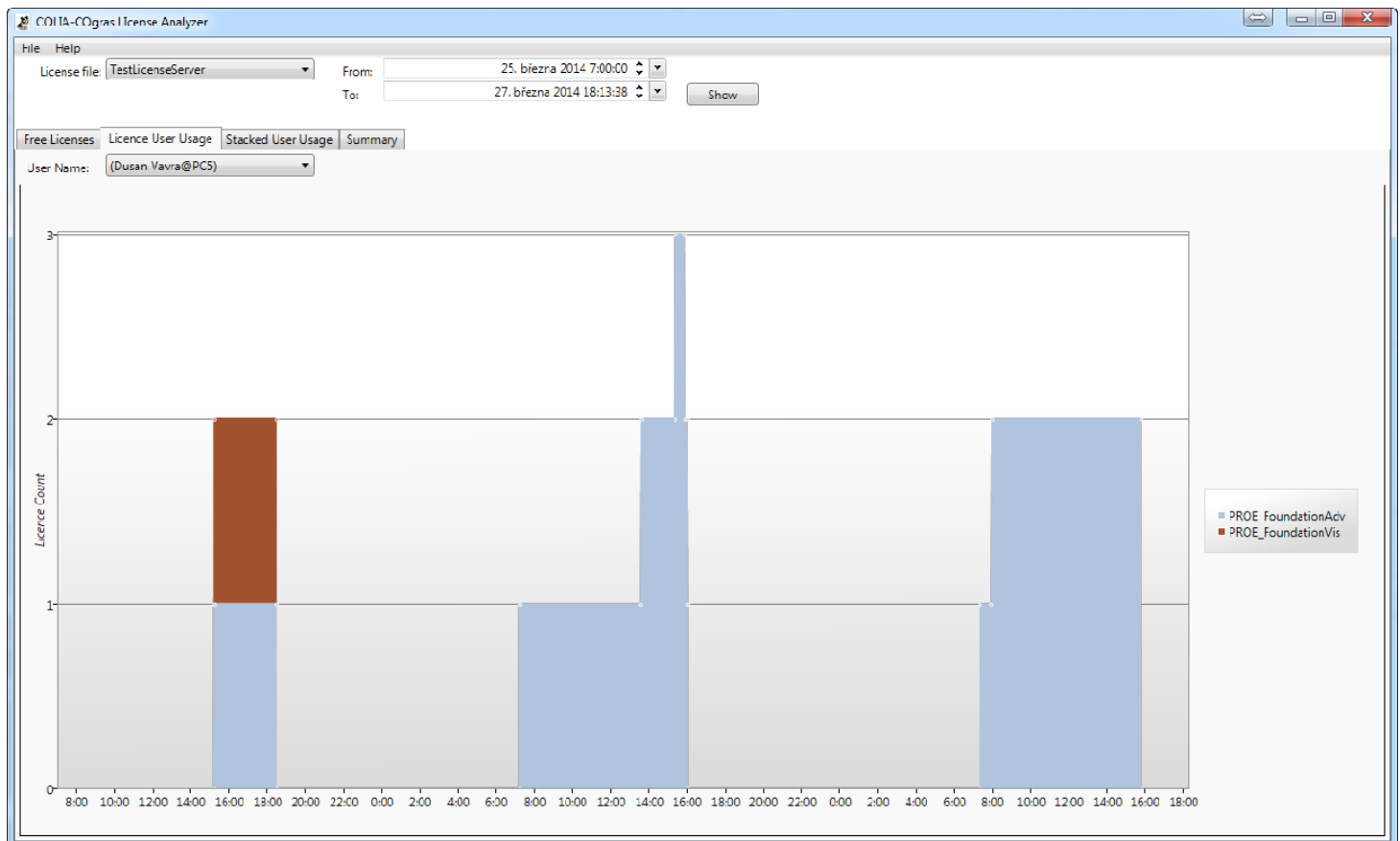
What can be seen in the chart:

- The colored lines show the numbers of free licenses of selected types (*Mechanism_Design*, *PROE_FoundationAdv*, *PROE_FoundationVis*) in the period from 25.3.2014 15:06 to 27.3.2014 15:06.
- The red dots at the bottom line (time axis) represent unsuccessful attempts to acquire a license (*PROE_FoundationAdv*) when no such license was available. If you move the mouse pointer over the red dot, the application displays the detail information about the unsuccessful license request (date and time, requested license type, user identification).

2. The chart showing license usage per user during a time period

To display the license usage per user, activate the **License User Usage** tab (see the figure below).

Use the **User Name** drop-down list to select the user whose license usage you wish to examine.



What can be seen in the chart:

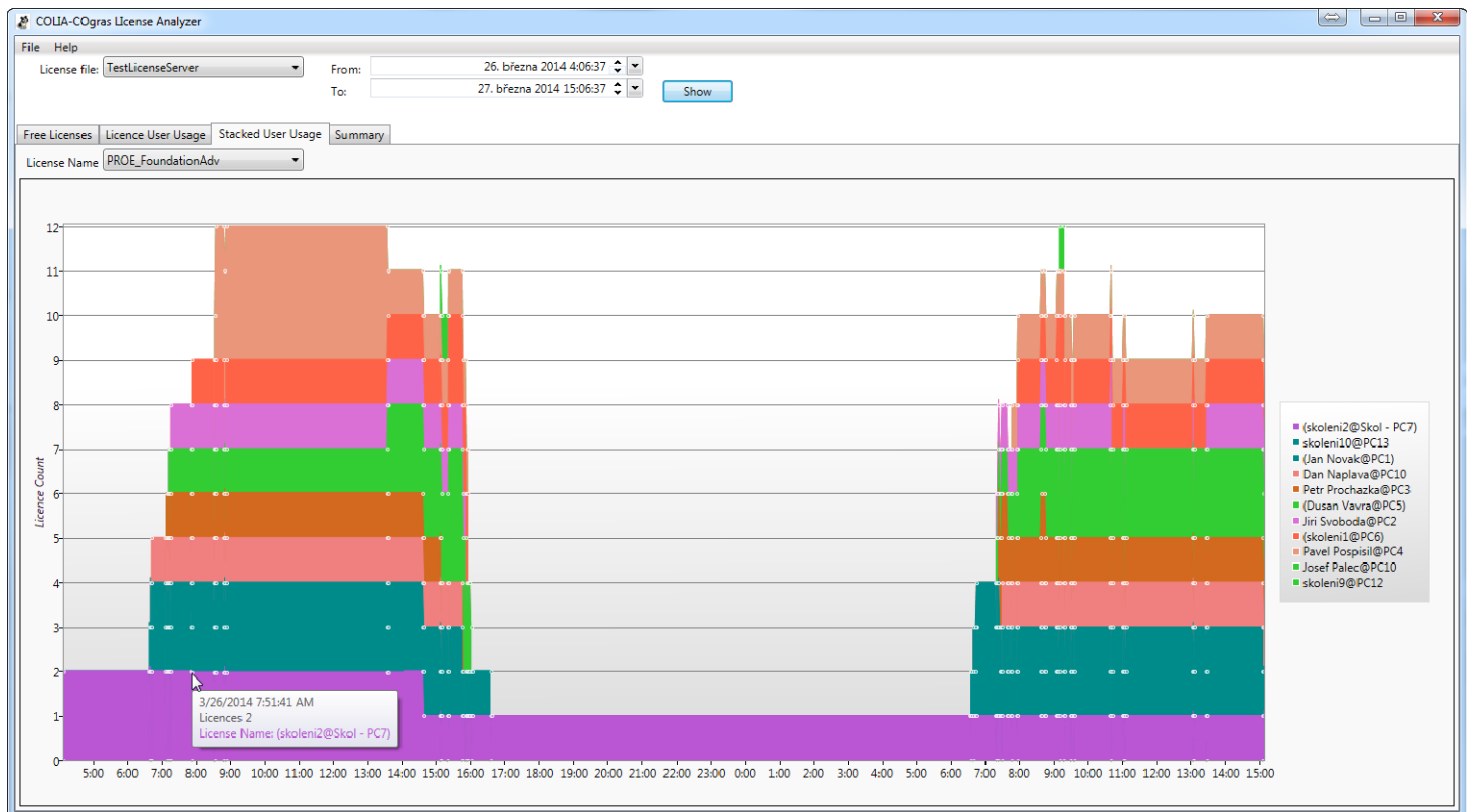
- Colored areas represent licenses used by the specified user.

3. The chart showing licenses of selected type assigned to users during a time period

To display an overview of all users who used a license of certain type, activate the **Stacked User Usage** tab.

The upper edge of the chart shows the total number of licenses (of the selected type) used during the specified time period. Licenses used by a particular user are represented with the same color.

Use the **License Name** drop-down list to select the desired license type.



What can be seen in the chart:

- The user *skoleni2@PC7* used 2 licenses (*PROE_FoundationAdv*) from 4:06 to 14:30. Later he continued his work with 1 *PROE_FoundationAdv* license.
- The user *skoleni10@PC13* used 1 *PROE_FoundationAdv* license from 6:40 to 16:45.
- The users *Jan Novak@PC1* and *Dan Naplava@PC10* used 1 *PROE_FoundationAdv* license each from 6:45 to 15:50.
- If you move the mouse pointer over the highlighted node points, the application displays the detail information about the corresponding user and moment in time (date and time, licenses in use, user identification).

4. Summary showing the cumulative usage of licenses during a time period

To display summary tables showing the total usage of licenses during the specified time period, activate the **Summary** tab.

Use the check-boxes under **License Names** to pick license types you wish to examine.

The rows in the table can be sorted by values in each column (just click to the corresponding column header).

The screenshot shows the COGRA License Analyzer application window. The 'Summary' tab is selected. The 'License Names' list on the left includes:

- AdvancedFramework*
- MF-BASICFNGLicense
- MEC-BASICLILicense
- MechanismDesign*
- PROEFoundationAdv
- PROEFoundationVis

 The main table displays usage data for the selected licenses. The columns are: Username, Advancec_Frameworko..., Mechanism_Design*, PROE_FoundationAdv, and PROE_FoundationVis. The data is as follows:

Username	Advancec_Frameworko...	Mechanism_Design*	PROE_FoundationAdv	PROE_FoundationVis
Dan Naplava@PC10	17:16:28	17:16:28	17:16:28	
Jan Novak@PC1		17:30:31	17:30:31	
Petr Prochazka@PC3		16:38:22	16:06:14	02:24:13
Jiri Svoboda@PC2		14:15:49	14:15:49	00:34:10
skoleni2@Skol - PC7			1:14:11.37	
skoleni10@PC13			18:58:48	
Dusan Vavra@PC5			17:16:30	
skoleni1@PC6			15:48:04	
Pavel Pospisil@PC4			15:03:54	
Josef Palec@PC10			00:12:03	
skoleni9@PC12			00:08:02	

What can be seen in the table:

- During the selected time period, the *Advanced_Framework* license was used by only one user (Dan Naplava). The total usage time was 17 hours, 16 minutes, and 28 seconds.
- The *Mechanism_Design* license was used together with the *PROE_FoundationAdv* license by four users: Dan Naplava, Jan Novak, Petr Prochazka, Jiri Svoboda.
- The *PROE_FoundationAdv* license was used by the remaining 7 users (skoleni2, skoleni10, etc.).
- The *PROE_FoundationVis* license, which should be exclusively dedicated to Windchill visualization services, was (improperly!) used by 2 users: Petr Prochazka, Jiri Svoboda.