DaVinci Configurator License Handling

Technical Reference

Version 1.7.1

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Document Information

History

Author	Date	Version	Remarks
Michael Hoffmann	2014-01-02	1.0	
Michael Hoffmann	2014-02-14	1.1	Server Configuration in 3.1 changed
Michael Hoffmann	2015-02-10	1.2	Server Configuration in 3.1 changed; VTT option added
Michael Hoffmann	2015-04-27	1.3	DaVinci_CFG floating server option added
Michael Hoffmann	2015-05-21	1.4	Pool based licenses added
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Michael Hoffmann	2016-11-07	1.6	There is no more BASE license provided by the SIP
Michael Hoffmann	2018-03-16	1.7	Vector License added

Caution

We have configured the programs in accordance with your specifications in the questionnaire. Whereas the programs do support other configurations than the one specified in your questionnaire, Vector´s release of the programs delivered to your company is expressly restricted to the configuration you have specified in the questionnaire.

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1 Introduction

The DaVinci Configurator application can be activated via following kinds of licenses

> **Tool licenses**
  Provide the product licenses of the tool (CFG PRO or CFG LTD) and options. The available tool functionality depends on these licenses. The tool licenses are independent from the currently loaded DaVinci project (dpa file).
  Following types of licenses are supported:

  > Vector License

  > Flexnet License

  > Keyman-Dongle License

> **SIP-based Licenses**
  The SIP-based licenses depends on the currently loaded DaVinci project (dpa file). Some of the license flags in the SIP of the DaVinci project may enable tool features even without existence of a tool license.

This document describes in which order the available licenses are applied and used by the DaVinci Configurator.

2 License Information

Detailed information about the current available and used licenses can be obtained by starting the DaVinci Configurator application and opening the 'Licenses' dialog (Help > Licenses).

This dialog shows the current SIP license details ('Show SIP License Details' button) and the current tool license details ('Show Tool License Details').

The tool license details dialog provides two sections:

> SIP-based Licenses

> Software- and Hardware-Based Licenses

2.1 SIP-Based License

This section shows the currently available SIP-based license. If the DaVinci Configurator is being executed with a SIP-based license, the application main window header displayed "DaVinci Configurator SIP" + the SIP specific tool switches (.DIAG, .PB, …).

2.2 Tool Licenses

This table lists all available tool license information (server based or local) that can potentially be used by the DaVinci Configurator application.

For server based licenses the FlexNet floating- and the FlexNet pool-licensing model is supported (see 3.1 for details).

The actual used license model is shown in the label of the 'License server' property of the 'Licenses' dialog. It can be 'Pool' or 'Floating', depending on which license model is defined within the server configuration file (see chapter 3 for details).

Note
Aladdin dongles (blue dongles) are no longer supported by DaVinci Configurator executables.
A Keyman dongle needs to be used instead.

2.3   License Display

Each entry within the sections of the license details dialog will have one of the following colors indicating whether the license is valid or not and used or not. Refer to following table for details.

License Appearance	
Color	**Description**
black	License is valid.
blue	License is valid and used by the current running application instance.
grey	License is expired or available for other (older) versions.

Table 2-1   License appearance

In case one of the licenses expires soon the expiration date column value shows a '(expires soon)' tag within the licenses list.

2.4   Display of License Server Configuration and Options

In case a FlexNet license server is configured (see 3.1 for details) the license details dialog shows the server configuration details and the according option configuration below the software- and hardware-based licenses list.

3 License Server Configuration

Flexnet licenses can be provided by using a license server. The DaVinci Configurator application only accesses these licenses when:

> No .PRO option is available at the local PC (provided by a dongle or Vector license)

> A valid license server connection is configured

> The `DaVinci_CFG` option within the settings.ini file is not explicitly set to '0' (see also 3.2 and 3.3 for details)

> The pool license model is used and no .PRO option (provided by a single-seat license or dongle) is available at the local PC

> No installation warning is displayed in within the license dialog (Help > Licenses)

> Otherwise the server isn't accessed.

3.1 Server Configuration

The DaVinci Configurator application detects a license server connection if a `Settings.ini` file is either placed in the executable folder or in the common files folder for Vector applications.

The search order is identical to the order of appearance in table Table 3-1.

Setting File Locations	
Location	**Environment**
`DaVinciCFG.exe directory`	All
`%COMMONPROGRAMFILES(X86)%\Vector\DaVinci`	All

Table 3-1   Settings file locations

3.1.1 Settings

Each server based license model has its own set of settings:

> `Floating:` server based Flexnet licenses

> `Pool:` server based license pool Flexnet licenses

For each license model an individual set of settings needs to be defined. Each consists of a defined number of optional server 'option usage' flags (described in 3.2) and the mandatory server connection configuration:

> `Host:` License server network ID

> `Port:` License server port

> **Note**
> The Settings.ini file may contain both server configurations. In that case the Pool based license model is used.

Defined in Settings.ini	Used License Model
Pool and Floating	Pool

Table 3-2   License precedence

3.2 Server Option Usage Configuration

The usage of server license options which are available at the configured server can be defined for each option individually.

By default all options available at the server are used by the DaVinci Configurator application. To restrict this usage the according section "`Floating`" or "`Pool`" of the settings file described in 3.1 may contain additional properties. One property is defined for each product option.

Server Option Usage		
Property	**Value**	**Description**
`DaVinci_CFG_DEV`	`{1|0}`	Allow or prevent locking a server based DaVinci Developer license to enable a RTE option within the DaVinci Configurator.
`DaVinci_CFG_MD`	`{1|0}`	Allow or prevent using a server based .MD product option.
`DaVinci_CFG_RTE`	`{1|0}`	Allow or prevent using a server based .RTE product option.
`DaVinci_CFG_WF`	`{1|0}`	Allow or prevent using a server based .WF product option.
`DaVinci_CFG_VTT`	`{1|0}`	Allow or prevent using a server based .VTT product option.
`DaVinci_CFG`	`{1|0}`	Blocks access to all DaVinci Configurator server based licenses. The settings.ini file is used by the DaVinci Developer application too. With settings this flag to `0` the license server access of the DaVinci Configurator application is blocked. Use this option when a specific PC should not use DaVinci Configurator licenses but is allowed to use DaVinci Developer server based licenses.

Table 3-3   Server options

3.3 Settings File Example

Following exemplary settings file content demonstrates the structure of the file used by the DaVinci Configurator application. Note that the 'Server Option Usage' flags are optional.

> Floating license example:

```
[Floating]
Host=yourFloatingLicenseServer
Port=7777
DaVinci_CFG=1
DaVinci_CFG_DEV=0
DaVinci_CFG_MD=1
DaVinci_CFG_RTE=1
DaVinci_CFG_VTT=1
DaVinci_CFG_WF=0
```

> **Pool license example:**

```
[Pool]
Host=yourPoolLicenseServer
Port=8888
DaVinci_CFG=1
DaVinci_CFG_DEV=0
DaVinci_CFG_MD=1
DaVinci_CFG_RTE=1
DaVinci_CFG_VTT=1
DaVinci_CFG_WF=0
```

4 Pool Licence Handling

Pool licenses can be used in following modes

> Sporadic

> Standard

4.1 Standard Licenses

Standard licenses can be retrieved from the server and are stored on the local PC until the minimum borrow period is expired.

4.1.1 Adding License Options

An existing and valid PRO standard license can be supplemented with additional license options.

To add one or more options the 'License Activation' dialog must be opened (Help > Licenses > 'Show Tool License Details' > 'Show pool license configuration…' [hyperlink]). Select one or more of the available options and press 'Get License'.

Added licenses become effective after restarting the application.

4.1.2 Return and Extend a Standard License

Returning and extending standard licenses is possible after the minimum borrow time is expired. These operations are supported by the 'License Activation' dialog available at Help > Licenses > 'Show Tool License Details' > 'Show pool license configuration…' [hyperlink].

4.2 Sporadic Licenses

Sporadic licenses are activated on usage at 24 days per year and user.

When using sporadic licenses, the DaVinci Configurator requests the user to select a server based pool license for each session. A sporadic license is returned to the server after the application has been closed.

> **Note**
> Sporadic licenses cannot be used with the command line version of the DaVinci Configurator (DVCmdCfg.exe).

5 DaVinci Developer License

A DaVinci Developer tool license (provided by a Vector license, hardware dongle or FlexNet license) enables the same tool functionality as a .RTE option, provided that both licenses – DaVinci Developer and DaVinci Configurator Pro – are located on the same PC.

The usage of a floating DaVinci Developer license by the DaVinci Configurator application can be prevented by limiting the usage of server based licenses (see 3.2 for details).

6 Trouble Shooting

If you miss an activated .PRO license or option, please check the installation status within the 'Licenses' dialog first (Help > Licenses…).

Additionally, check if the required license is expired (Help > Licenses > Show Tool License Details).

More detailed information about tool licenses is displayed by following tools

> Vector License Client
  Shows details about Vector Licenses

> Vector License Manager
  Shows details about FlexNet based licenses.

> DaVinci Floating License Manager
  Shows details about DaVinci floating licenses (FlexNet based)

Those tools are provided by the external component setup. The latest version is available here: https://download.vector.com/davinci/ExternalComponentsSetup.zip.

Relevant for Flexnet-based licenses: If a DaVinci tool license is displayed in the Vector License Manager or Floating License Manager but not in the DaVinci Configurator's license details dialog: please ensure that you have installed the component "DaVinci 64-bit Support" form the DaVinci External Components setup.

7 Abbreviations

7.1 Abbreviations

Abbreviation	Description
SIP	Software Integration Package

8   Contact

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