

CATIA V5 Student Edition

User Guide 



3DEXPERIENCE

Version 1.1.0 - 7/30/2013

Written by: Hervé FOUCHER

Table of contents

1. Notice	4
2. Support	4
3. Differences between CATIA V5 Student Edition and the "commercial" version	5
3.1. Included Workbenches	5
3.2. End User Agreement	7
4. Prerequisites	7
5. Application	7
5.1. Frequently Asked Questions	8
5.1.1. In which countries is CATIA V5 Student Edition available?	8
5.1.2. What are the conditions for eligibility?	8
5.1.3. How long does it take to get approved?	8
5.1.4. Which proofs of academic status are requested to apply for CATIA Student Edition? 8	
5.1.5. What is the license duration?	9
6. How to order	9
6.1. Target ID generation	9
6.1.1. What is a Target ID?	9
6.1.2. Target ID Generator	10
6.1.3. Download the generator	10
6.1.4. Run the generator	10
6.2. Wait a few minutes	12
6.3. Frequently Asked Questions	12
6.3.1. What is a promo code?	12
6.3.2. Which payment method can I use to purchase CATIA Student Edition?	12
6.3.3. Can I pay by credit card without opening a Paypal account?	12
6.3.4. How to renew a license key, do I need to apply again, do I need to pay again?	13
7. Download	13
7.1. Frequently Asked Questions	14
7.1.1. How to determine if my operating system is 32 or 64-bit?	14
8. Setup	15
8.1. Download and unzip the zip files	15
8.2. Welcome screen	15

8.3.	License.....	16
8.4.	Installation Directory.....	16
8.5.	Environment.....	17
8.6.	Setup type.....	17
8.7.	Press Next until you get a recap.....	18
8.8.	Installation in progress.....	18
9.	Licensing for CATIA V5R20, V5R21 and V5-6R2012 users.....	19
9.1.	How to import the license key received by email.....	19
9.2.	Troubleshooting.....	20
9.2.1.	No license found in nodelock file.....	20
9.2.2.	Nodelock management require write rights on nodelock file.....	21
9.2.3.	Invalid Timestamp Error.....	22
9.2.4.	You have not requested a configuration or product license.....	23
9.2.5.	My Target ID is 00000000.....	25
10.	Licensing for V5-6R2013 (and later versions) users.....	26
10.1.	How to import the license key received by email.....	26
11.	Run CATIA V5.....	28
11.1.	You're done!.....	28
11.2.	Troubleshooting.....	28
11.2.1.	You have not requested a configuration or product license.....	28
11.2.2.	CATIA title bar show "CATIA V5 DEMONSTRATION"?.....	28

1. Notice

This guide has been written by the Dassault Systèmes Education Department to help students order and install **CATIA Student Edition**.

It not only proposes step by step instructions but also includes frequently asked questions and troubleshooting sections inspired by the CATIA Student Edition online community (see below). References to community questions and posts are shown in grey.

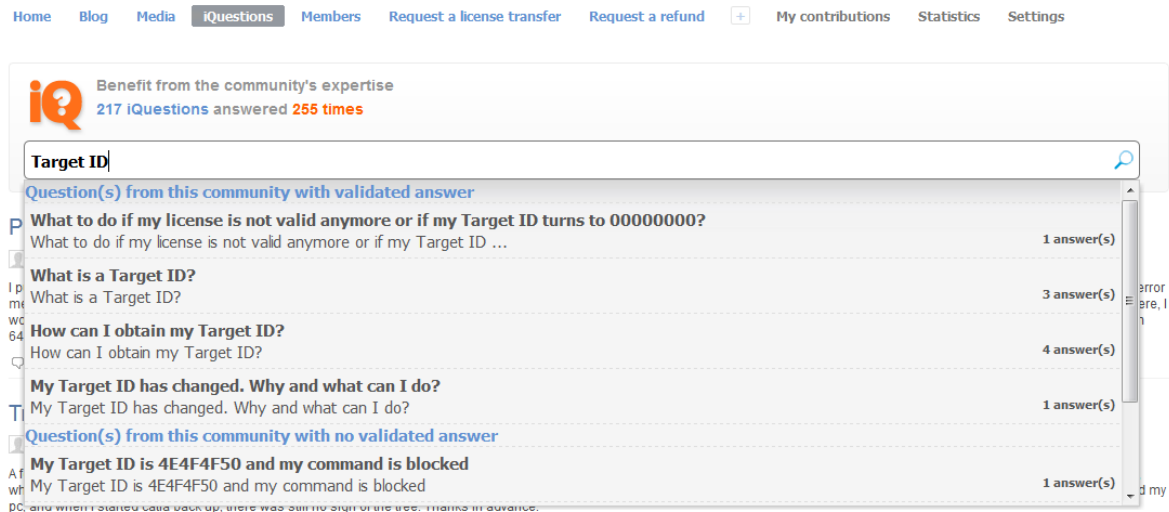
This guide MUST NOT be used by commercial customers, should they be academic institutions of industrial customers.

2. Support

Support is limited to the purchase and installation phases. Should you have any question, please use the CATIA Student Edition support community at:

<https://swym.3ds.com/#community:514>

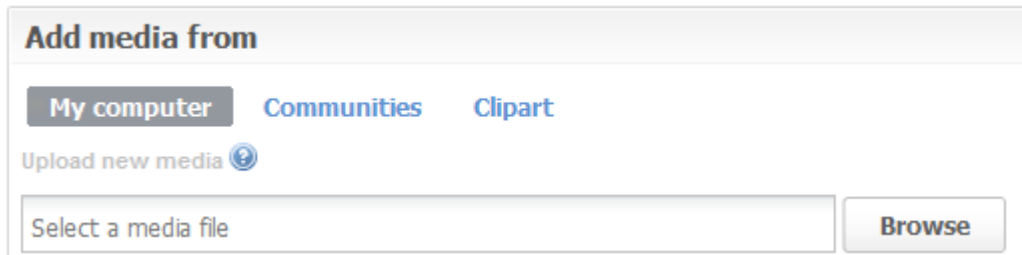
Answers to frequently asked questions can be found under the iQuestion tab. You may query the FAQ by entering a few words in the text field:



Should you want to ask a question, press the “Ask an iQuestion” button on the right hand side.

Ask an iQuestion

Please provide us with as many details as possible to help us answer your question as rapidly as possible. Screenshots are extremely helpful for us. You may attach screen captures by using the “Add media from” panel on the right:



3. Differences between CATIA V5 Student Edition and the "commercial" version

There is no major difference between **CATIA V5 Student Edition** and its corresponding commercial license. From a capacity point of view, they are identical but produced parts and products are watermarked, making them unusable with a commercial license.

3.1. Included Workbenches

CATIA Student Edition isn't an all-in-one version. It includes a set of mechanical design-oriented workbenches:

- 3 Axis Surface Machining 2 (SMG) -- Easily defines 3-axis milling and drilling operations.
- Part Design (PDG) --Design complex parts with highly productive and robust modeling features in an intuitive environment.
- Assembly Design 2 (ASD) -- Easily define mechanical assembly constraints automatically position parts and check assembly consistency
- Generative Drafting 2 (GDR) --Generate drawings from 3D part and assembly designs with assistance to manage complex schema.
- Interactive Drafting 1 (ID1) -- Address 2D design and drawing production requirement
- Functional Molded Part (FMP) -- A new generation product for designing cast, molded and forged parts and related tooling with unmatched productivity and flexibility.
- Structure Design 1 (SR1) --Rapidly design structures using catalogues of standard or custom sections. SR1 enables to simply and quickly creates linear, curved structures,

and plates, using standard or user-defined sections. Taking advantage of an optimized user interface, the user can easily create and modify structures thanks to fully associative design in context capability.

- Sheetmetal Design (SMD) -- Designs sheet metal parts in a very intuitive and productive environment.
- Real Time Rendering 2 (RTR) --Enables designers to interactively create realistic and dynamic renderings and animations in real-time, by extensively using all the hardware features available.
- Generative Shape Design (GSD) -- Help to design advanced shapes that are based on a combination of wireframe and extensive multiple surfaces. It includes high-level features with full specification capture and reuse.
- Imagine and Shape (IMA) -- Enable designers and engineers to quickly, intuitively, transform a shape idea into a 3D geometric model. Probably one of the Students' preferred applications!
- DMU Kinematics Simulator (KIN) -- Define, simulate, and analyze mechanisms for digital mock-ups of all sizes.
- Photo Studio (PHS) -- Generate high quality photo-realistic images and movies of a digital mock-up, by using a powerful ray-tracing engine.
- Photo Studio Optimizer (PHO) -- Optimizer is an essential complement to Photo Studio for users who want to create images and movies that will match reality. PSO extends PHS's rendering capabilities with such advanced technologies as global illumination and caustics.
- Freestyle Sketch Tracer (FSK) -- Allows the integration of stylists' work (such as 2D painting) into a 3D format, as the basis for 3D virtual mock-ups.
- Freestyle Shaper 2 (FSS) -- Provides powerful easy to use surface-based tools to help designers create styled shapes, enabling even casual users to easily smooth and trim curves and surfaces.

And also...

DMU Space Analysis 2 (SPA), Plant Layout 1 (PLO), Generative Part Structural Analysis 2 (GPS), NC Manufacturing Review 2 (NCG), Prismatic Machining 2 (PMG), Lathe Machining 2 (LMG), STL Rapid Prototyping (TL1), Object Manager 2 (COM), Instant Collaborative Design 1 (CD1), IGES Interface 1 (IG1).

<https://swym.3ds.com/#community:514/questions:11835>

3.2. End User Agreement

The Student License Agreement sets particular usages for CATIA Student Edition. In particular:

- You must install the software on a computer owned, leased by you [...] identified in the order placed by you by type, serial number, target ID and installation address. (article 1)
- [You must be] a natural person (i) regularly enrolled as a student in an academic program, (ii) holding a valid registration receipt for the current semester or a valid letter of enrollment on school letterhead for the current year (iii) who is registered on 3DS Academy. (article 1)
- CATIA V5 may only be operated by you, on your personal computer and only for your individual, personal and non-commercial learning, academic and/or research purposes, excluding any other purposes such as but without limitation any direct or indirect industrial, commercial and/or business purposes. (article 2)

4. Prerequisites

CATIA V5 Student Edition exclusively runs on Microsoft Windows. Some users reported it also works on MacOS but please note you won't get support from us.

NB: CATIA Student Edition isn't certified on Windows 7 32-bit.

Dassault Systèmes provides a list of officially certified configurations but they are unaffordable for students:

<http://www.3ds.com/support/certified-hardware/windows-certified-workstations>

However, CATIA Student Edition works well with most recent and decent PCs equipped with a 3D card and a network adapter.

5. Application

To apply, please follow the steps shown on the following video:

<http://www.youtube.com/watch?v=1lk-2BK-ZaU>

5.1. Frequently Asked Questions

5.1.1. In which countries is CATIA V5 Student Edition available?

CATIA V5 Student Edition is only available for download in the following countries for technical and legal reasons. We may add new countries to the list.

Argentina, Austria, Belgium, Brazil, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Italy, Luxembourg, Mexico, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, UK, USA

<https://swym.3ds.com/#community:514/questions:11790>

5.1.2. What are the conditions for eligibility?

To purchase either CATIA Student Edition or 3DVIA Virtools Student Edition, you must be a student.

By student, we mean: an individual, REGULARLY ENROLLED IN AN ACADEMIC PROGRAM FOR HIS/HER PERSONAL LEARNING excluding any other purposes such as but without limitation any direct or indirect industrial, commercial and/or business purposes.

Participants enrolled in professional training programs are in particular not eligible.

<https://swym.3ds.com/#community:514/questions:11791>

5.1.3. How long does it take to get approved?

Requests are reviewed from Monday to Friday (10am-5pm) in *Paris, France* for European students and in *Boston, MA* for American students.

Expect from 1 to 5 business days to get approved by our teams. To save time and to avoid back and forth emails, be sure to provide us with a valid proof of academic status (see paragraph 5.1.4).

<https://swym.3ds.com/#community:514/questions:11860>

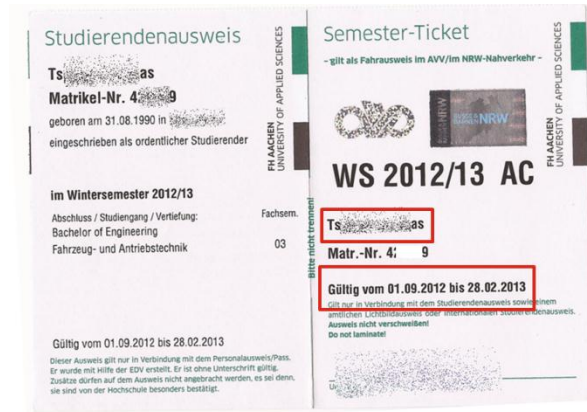
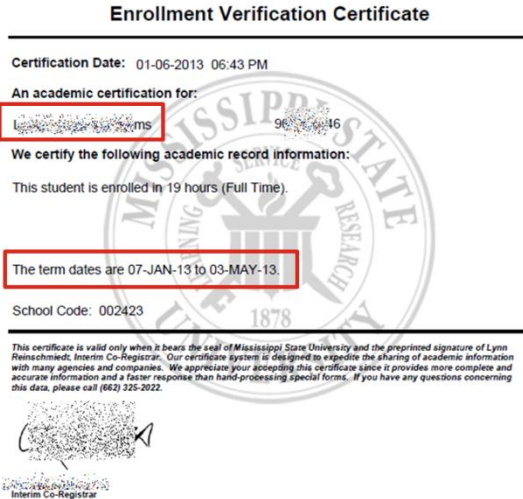
5.1.4. Which proofs of academic status are requested to apply for CATIA Student Edition?

Acceptable forms of academic IDs are the following (only one is required):

- Scan of a **dated** and valid student ID
- Scan of a registration receipt for the current semester/year.

- Scan of a **dated** letter of enrollment on school letterhead for the current semester/year.

Examples:



<https://swym.3ds.com/#community:514/questions:11792>

5.1.5. What is the license duration?

The license will expire one year after the payment.

6. How to order

To order, please follow the steps shown on the following video:

http://www.youtube.com/watch?v=epo_AT2pQFQ

6.1. Target ID generation

At step J of the above video, you will be asked to provide a Target ID. This is the trickiest part of the CATIA installation.

6.1.1. What is a Target ID?

The "Target ID" is a code calculated on your computer. It identifies your computer and it is used to generate your license key.

The calculation of the Target ID has to be performed on the computer where CATIA Student Edition will be used.

<https://swym.3ds.com/#community:514/questions:11812>

6.1.2. Target ID Generator

To determine your Target ID, you will use the "Target ID GEnerator for students" (also known as "TIGER").

The Target ID Generator aims at making students life easier. It is not officially supported by Dassault Systèmes and must NOT be used by commercial customers.

This small application automatically runs complex command lines to make sure the Target ID you'll get will be valid and won't ever change. Also, it will set one Windows environment variable.

<https://swym.3ds.com/#post:13884>

6.1.3. Download the generator

Download the **three** following files in a temporary directory (your Windows desktop for example of C:\temp):

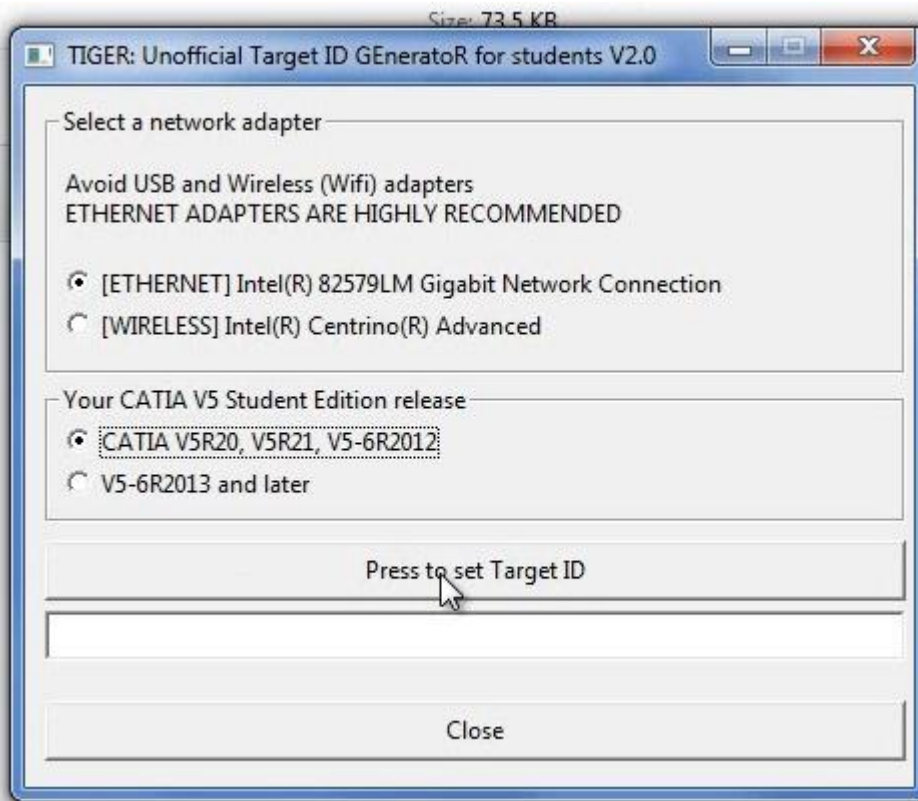
- <http://academy.3ds.com/fileadmin/files/shop/i4target.exe>
- <http://academy.3ds.com/fileadmin/files/shop/DSLicTarget.exe>
- <http://academy.3ds.com/fileadmin/files/shop/tiger.exe>

6.1.4. Run the generator

Right-click on "targeted.exe" and select "Run as administrator":



Select your **Ethernet** adapter and your CATIA Student Edition release:



Press the button located under the adapter list. Your Target ID will appear in the text field.



You may now copy it and paste it in the online order form. The Target ID looks like a 8-character or 20-character code depending on your CATIA V5 release.

See also the complete video tutorial at <http://www.youtube.com/watch?v=jn3T0geVY9U>

6.2. Wait a few minutes

Once your payment will be completed at Paypal, it takes a few minutes (between 5 and 30 minutes) for our servers to process it. Please be patient and do not order again. Should you need assistance, please open an iQuestion.

6.3. Frequently Asked Questions

6.3.1. What is a promo code?

At step **J**, you are asked for a promo code.

A screenshot of a web form showing a text input field labeled "Promo Code". The field is empty and has a vertical cursor (I-beam) inside it, indicating it is ready for text entry.

A promo code is used to apply discount rates during special marketing operations (we may offer free license during events for example). If you didn't receive a code from us, leave the field empty while ordering.

<https://swym.3ds.com/#community:514/iquestions:11824>

6.3.2. Which payment method can I use to purchase CATIA Student Edition?

We use Paypal to process student edition orders. Please refer to their website to see which payment methods are available in your country.

<https://swym.3ds.com/#community:514/iquestions:11803>

6.3.3. Can I pay by credit card without opening a Paypal account?

Yes. During the order phase, once on the Paypal website:

- a) Click "I don't have a Paypal user account"
- b) Enter your card number

Récapitulatif de votre commande

Description	Quantité	Prix unitaire	Total
CATIA V5-6R2012 Student Edition	1	€99,00	€99,00
Total objet			€99,00

Total €99,00 EUR

Choisir un mode de paiement
PayPal traite de manière sécurisée les paiements de Dassault Systèmes SAS.

► **Vous avez un compte PayPal ?**
Connectez-vous à votre compte pour payer

Email
ds.sas-paypal@3ds.com

Mot de passe PayPal

[Vous avez oublié votre adresse email ou votre mot de passe ?](#)

► **Vous n'avez pas de compte PayPal ?**
Payez par carte bancaire sans ouvrir de compte PayPal

[Aller et revenir sur Dassault Systèmes SAS.](#)

[Evaluation sur le site H](#)
PayPal. Votre référence sécurisée pour payer en ligne.
Pour plus d'informations, consultez notre [Règlement sur le respect de la vie privée](#) ou nos [Conditions d'utilisation](#) et nos [Informations essentielles sur les paiements et le Seco](#)
Copyright © 1999-2012 PayPal. Tous droits réservés.

Choisir un mode de paiement
PayPal traite de manière sécurisée les paiements de Dassault Systèmes SAS.

► **Vous avez un compte PayPal ?**
Connectez-vous à votre compte pour payer

PayPal

► **Vous n'avez pas de compte PayPal ?**
Payez par carte bancaire sans ouvrir de compte PayPal

Pays

Types de paiement

- Carte Bancaire
- VISA Visa
- MasterCard
- Discover
- American Express
- Carte Aurore
- Cofinoga ou Privilège
- 4 étoiles

N° de carte

Date d'expiration mm / aa /

Cryptogramme visuel

[De quoi s'agit-il ?](#)

Prénom

<https://swym.3ds.com/#community:514/questions:13567>

6.3.4. How to renew a license key, do I need to apply again, do I need to pay again?

You must acquire a new license key. There are two cases:

- You want to renew the license for the same CATIA release (ex: V5R20)
 - No need to request access again. A new payment will be sufficient. See paragraph 6.
- You want to order a license for another CATIA release (ex: V5R21)
 - You need to apply for the new release. At STEP C of the video (http://www.youtube.com/watch?v=epo_AT2pQFQ), please select "I already have a DS Passport" and use your username and password to login. While filling out the online form, don't forget to update your proof of academic status as the document you uploaded one year ago may have expired.

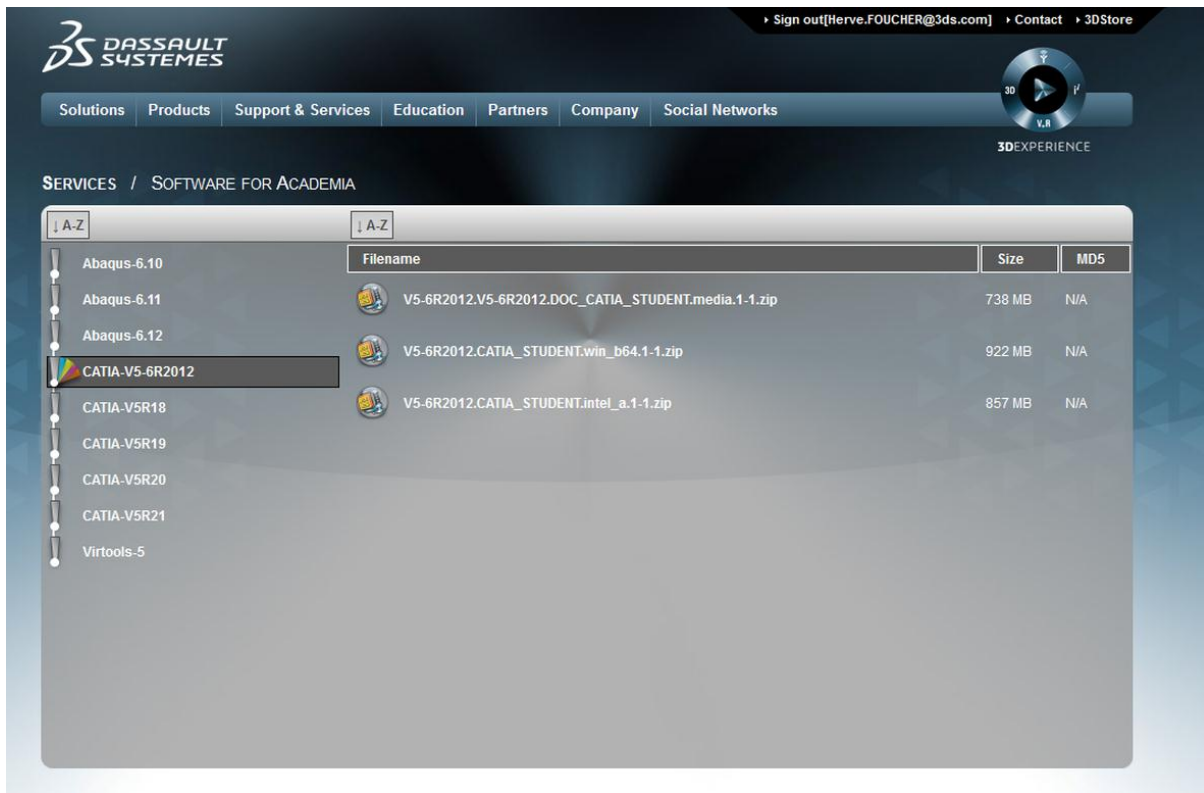
7. Download

When your order will be completed, you will receive 3 links by emails.

- The file ending in DOC_CATIA_STUDENT.media.1-1.zip is the CATIA HTML documentation
- The file ending in CATIA_STUDENT.intel_a.1-1.zip is the CATIA Student Edition 32-bit installer
- The file ending in CATIA_STUDENT.win_b64.1-1.zip is the CATIA Student Edition 64-bit installer

Download the installer which corresponds to your operating system.

If you ever delete the email message by mistake, you may visit <https://software.3ds.com/StudentEdition/> (see screenshot below)



7.1. Frequently Asked Questions

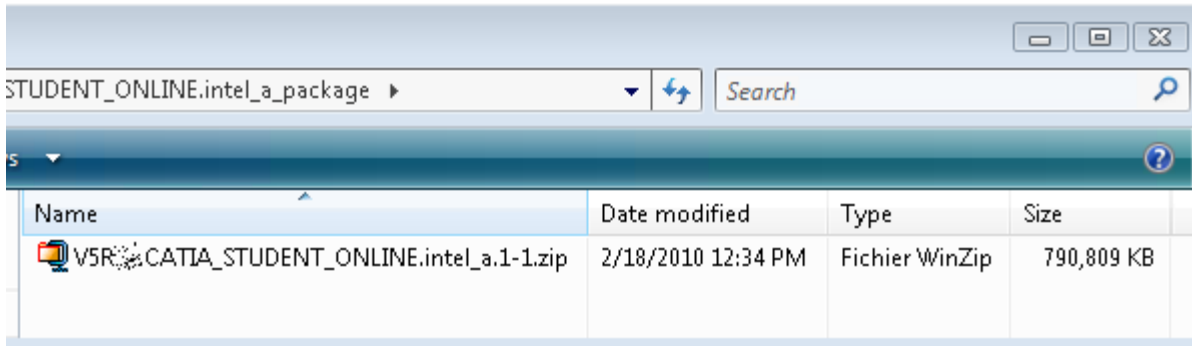
7.1.1. How to determine if my operating system is 32 or 64-bit?

Please read the corresponding Microsoft knowledge base article at <http://support.microsoft.com/kb/827218>

8. Setup

8.1. Download and unzip the zip files

Download the zip file in a temporary directory (C:\temp in our example).



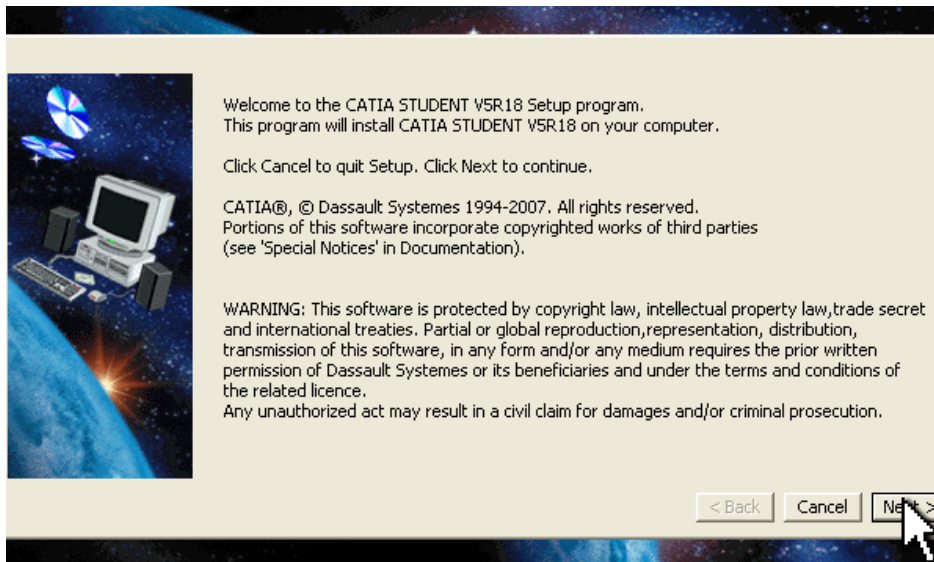
Nota : CATIA V5 Student Edition install package is composed of only one ZIP file. The Documentation install package must be used separately.

Extract the zip file in the current folder. Then, double click:

CATIA_STUDENT.intel_a\1\setup.exe

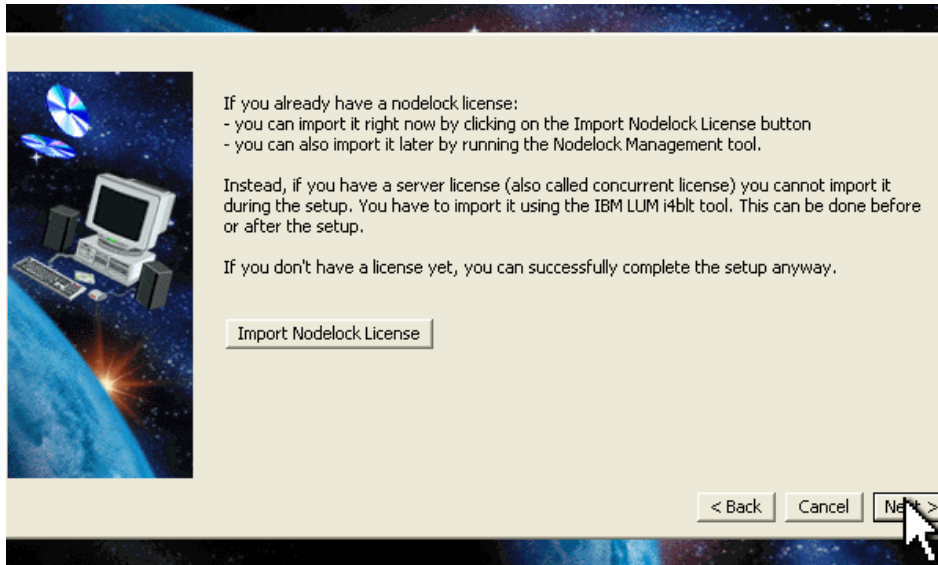
8.2. Welcome screen

Press *Next*



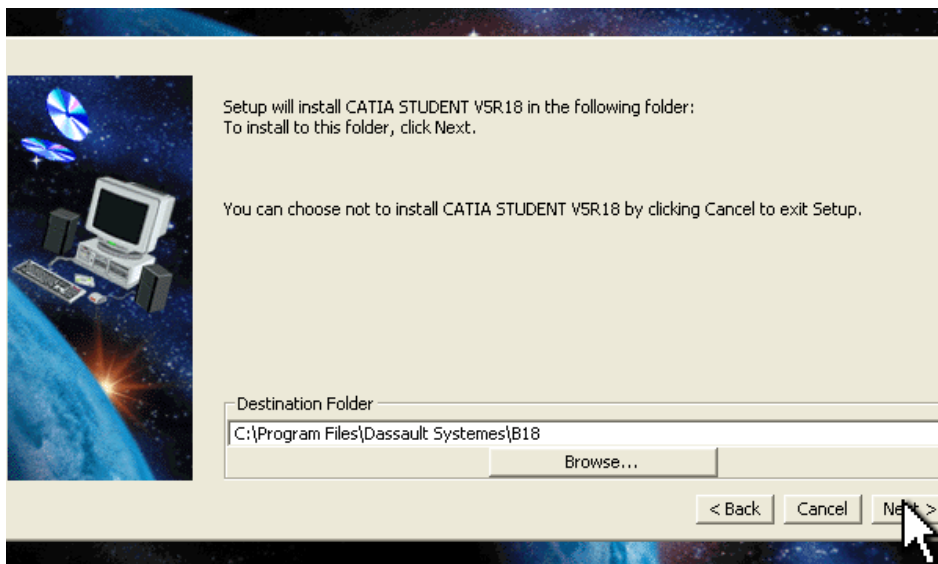
8.3. License

You will import the license key at a later time using the Nodelock Management tool. For now, press *Next*



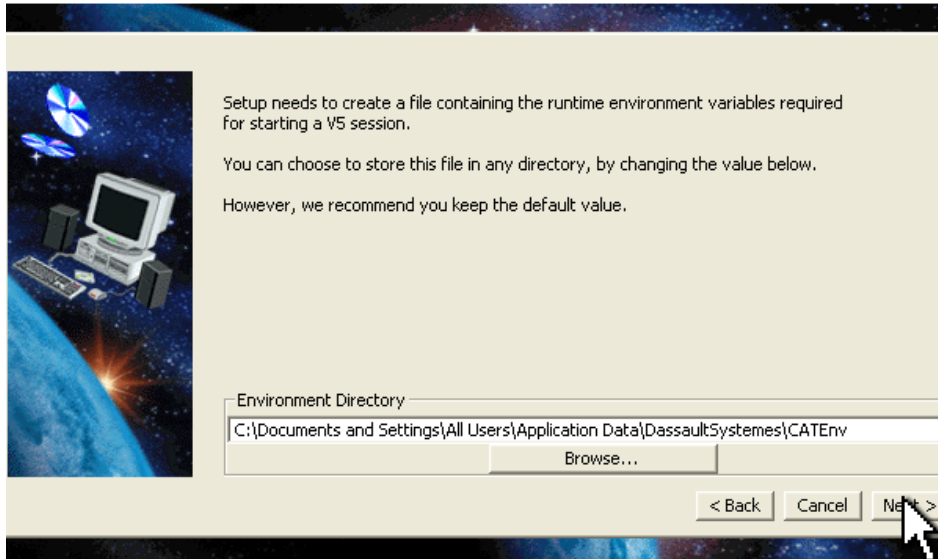
8.4. Installation Directory

Choose the directory where CATIA V5 data will be copied. Around 2Gb are necessary. We recommend using the default location. Press "*Next*".



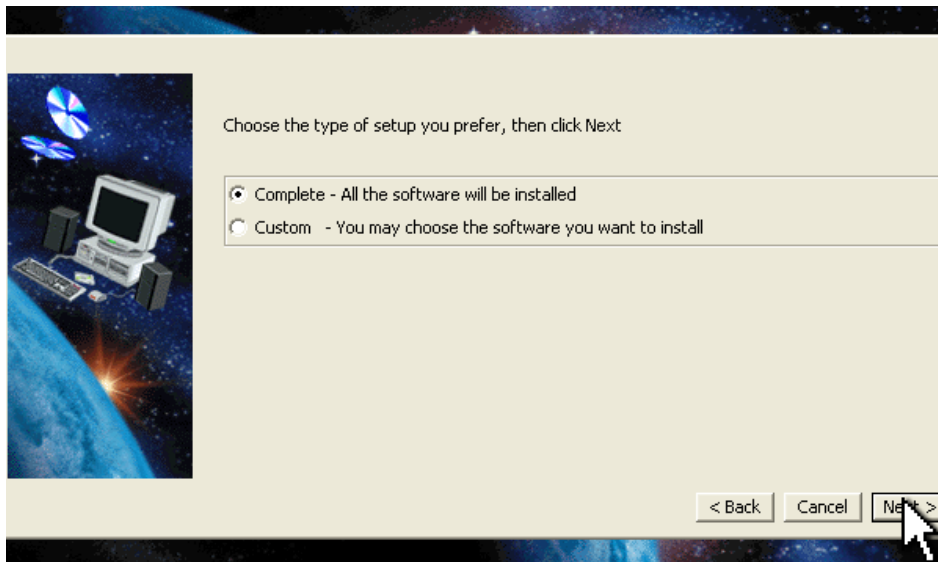
8.5. Environment

Setup needs to create a file containing the runtime environment variables required for starting a CATIA V5 session. We recommend you keep the default value. Press "Next".



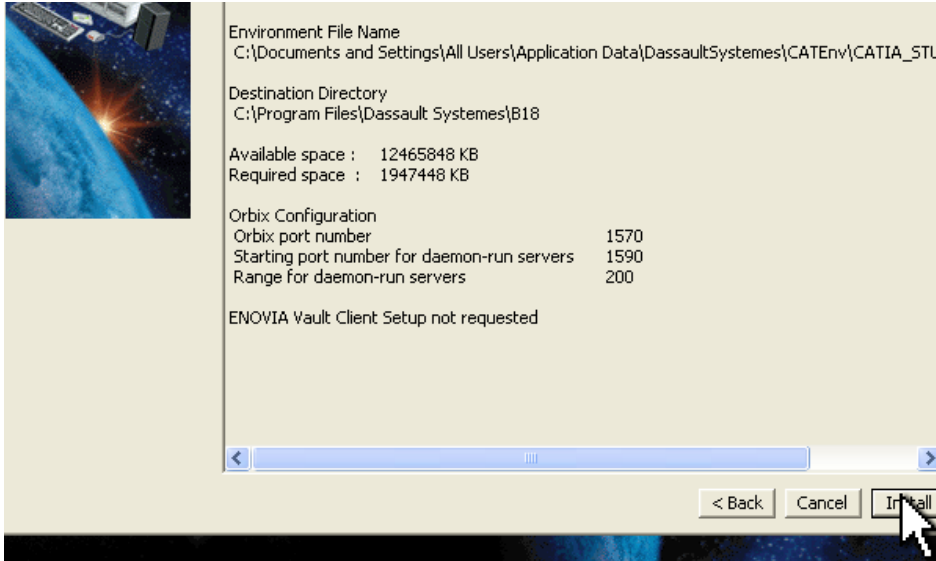
8.6. Setup type

Pick "Complete" and press "Next".



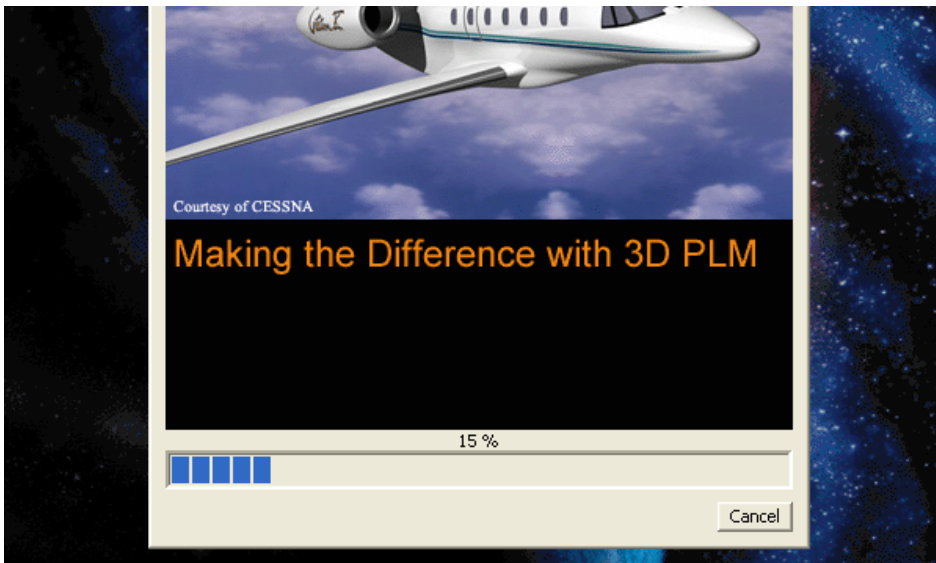
8.7. Press Next until you get a recap

This screen recaps the different options that you selected. Press "Next" to start the installation.



8.8. Installation in progress

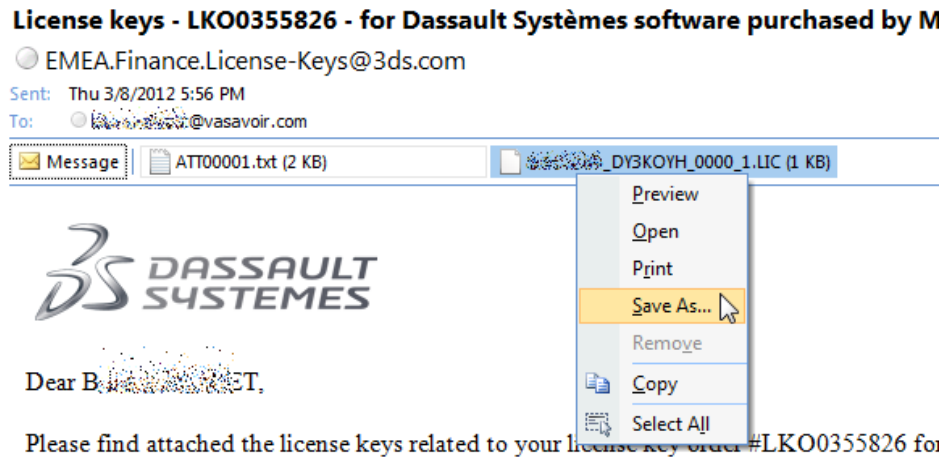
Wait until all the data is copied to your hard drive.



9. Licensing for CATIA V5R20, V5R21 and V5-6R2012 users

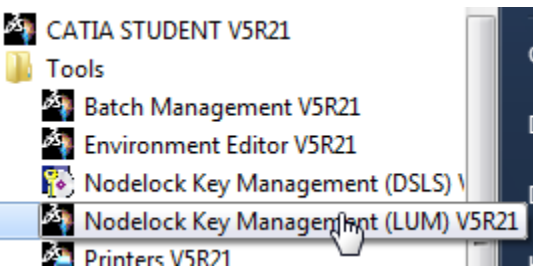
9.1. How to import the license key received by email

Save the .LIC file received by email in a temporary directory



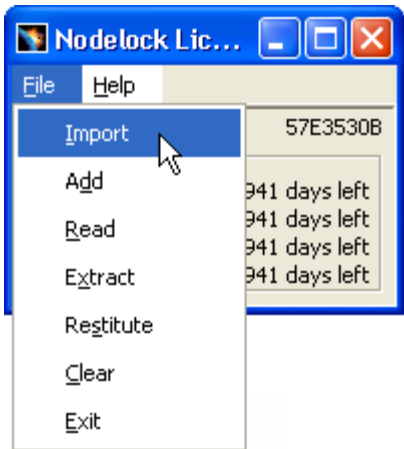
From the Windows start menu, select

Start > All Programs > CATIA STUDENT > Tools > Nodelock Key Management (LUM) V5Rxx

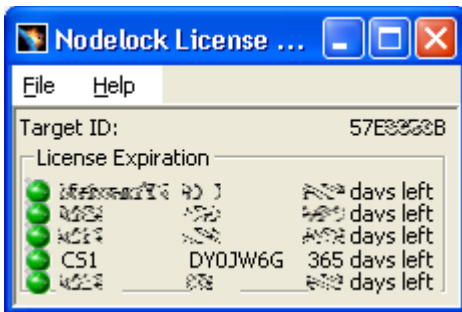


Use the menu to select:

File > Import



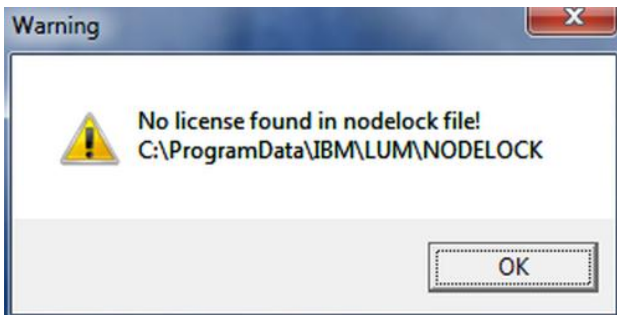
Pick the .LIC file you previously saved on your hard drive. Your CATIA Student Edition license (CS1) should appear in the list:



9.2. Troubleshooting

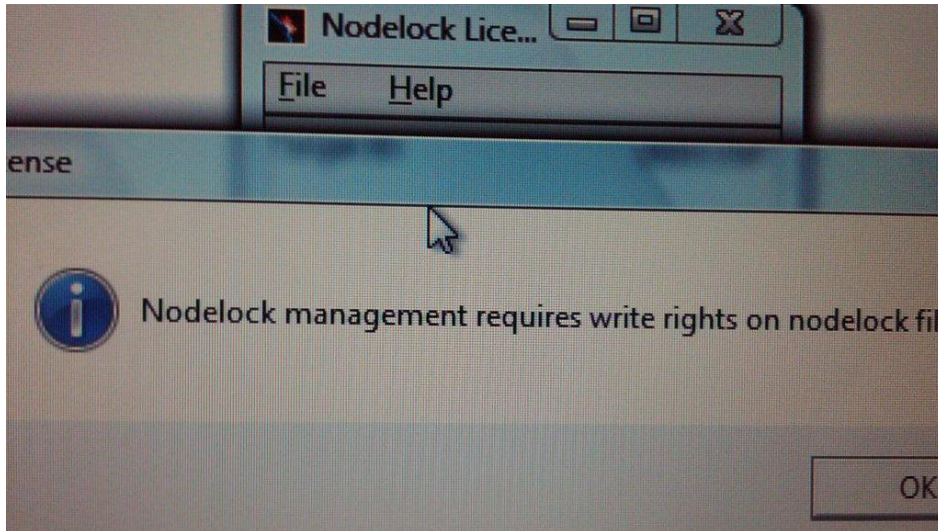
9.2.1. No license found in nodelock file

Some users get the following error message: "No license found in nodelock file! C:\ProgramData\IBM\LUM\NODELOCK" when they run the LUM license manager:



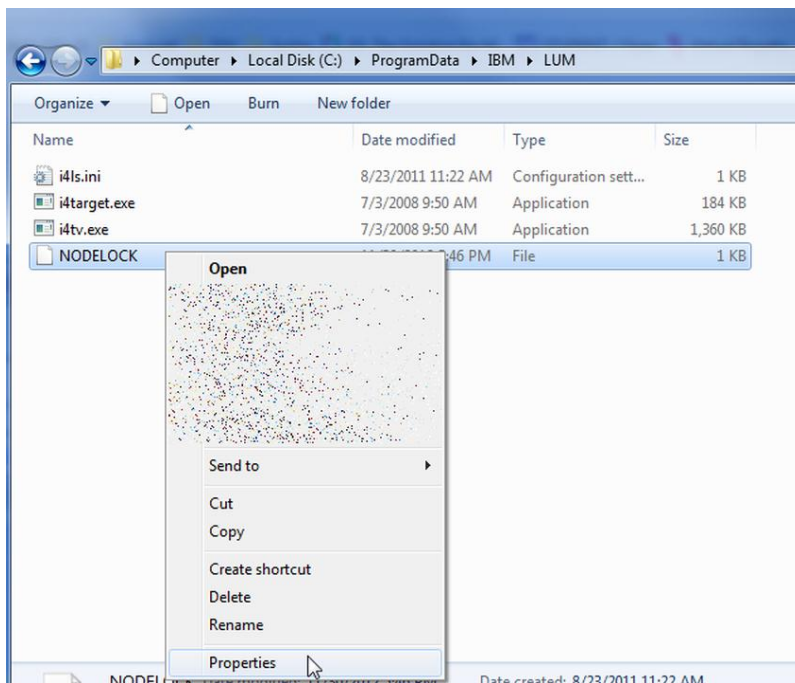
It means that so far there is no license listed in the file named "NODELOCK". This is normal as no license key hasn't been imported until now.

9.2.2. Nodelock management require write rights on nodelock file

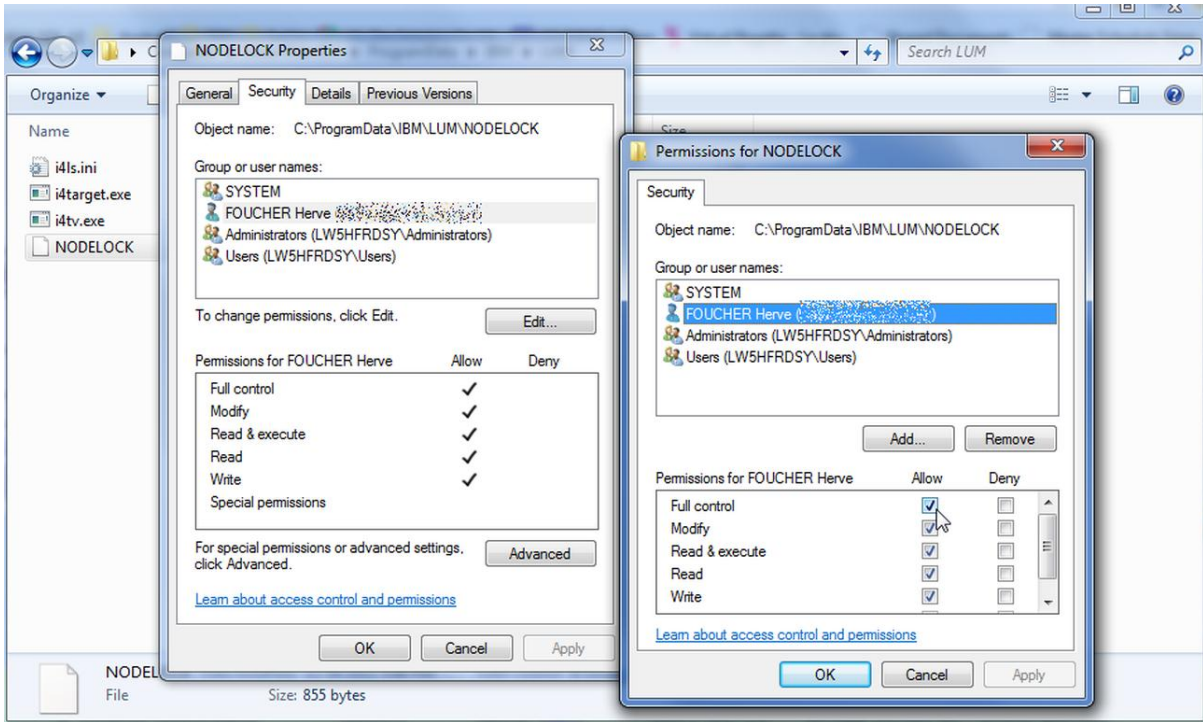


To fix this issue:

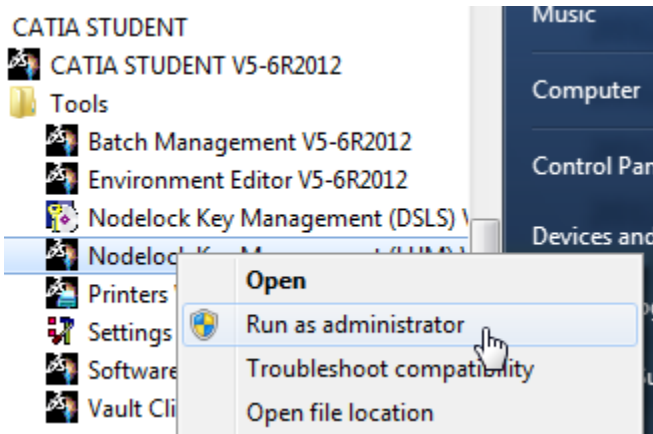
- a) Either browse C:\ProgramData\IBM\LUM and right click on the NODELOCK file. Select "Properties" as shown below:



Then, open the "Security" tab, then "Edit" and be sure your Windows user (or even better: "Everyone") gets "full control" rights:



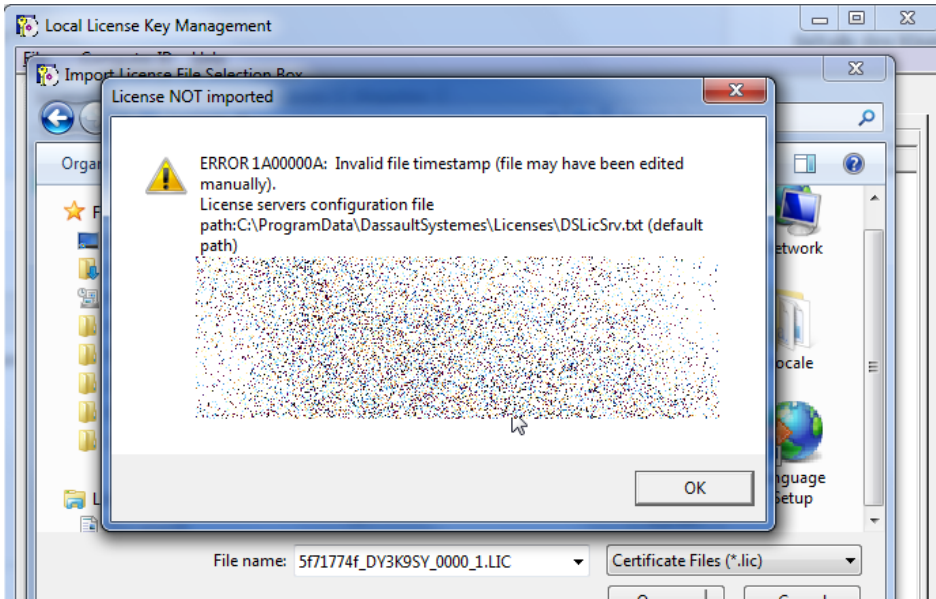
Or b) run the Nodelock Management tool as an administrator (right click on the menu entry as shown below)



<https://swym.3ds.com/#community:514/questions:14291>

9.2.3. Invalid Timestamp Error

You may get an "Invalid Timestamp" error when trying to import your .LIC file.

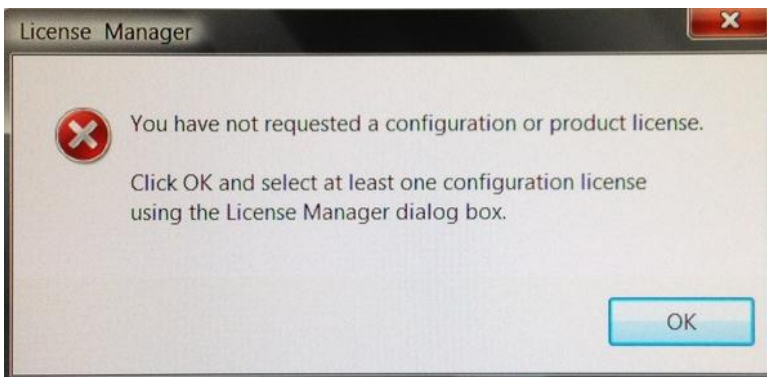


This error occurs when trying to import a LIC file using the **DSLS** License Manager instead of the **LUM** one.

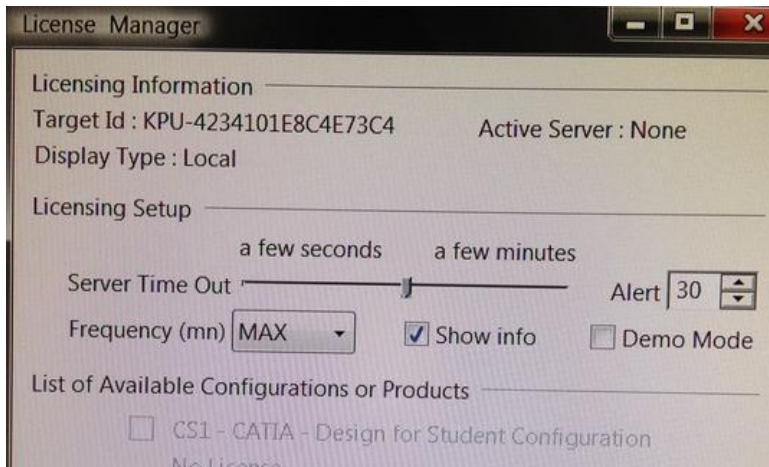
Start the LUM License Manager as explained in paragraph 9.1 and import the .LIC file.

9.2.4. You have not requested a configuration or product license

When running CATIA V5 Student Edition, some users get the following error:



Then:

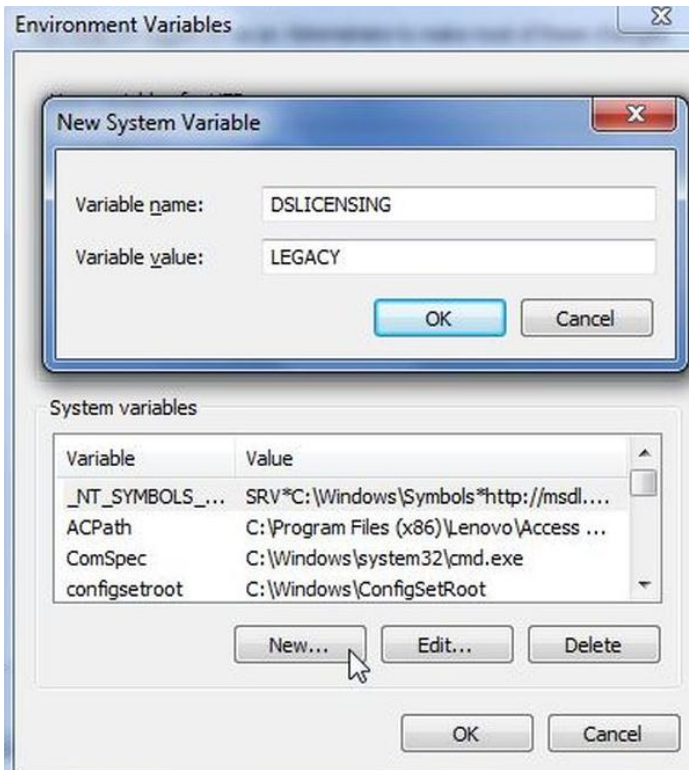


The above screenshot shows CATIA relies on the **DSLS** licensing manager instead of the **LUM** one. To fix this issue, you may run the Target ID Generator again (see paragraph 6.1.4). It will set an environment variable to you.

You may also do it manually:

- Open the Windows Control Panel.
- Choose “System and Security” > “System”
- Click “Advanced System Settings”
- Select “Environnement variables” in the “Advanced” tab as shown below
- Click “New..” and add a new SYSTEM variable (in ALL UPPERCASE LETTERS, no space between words)

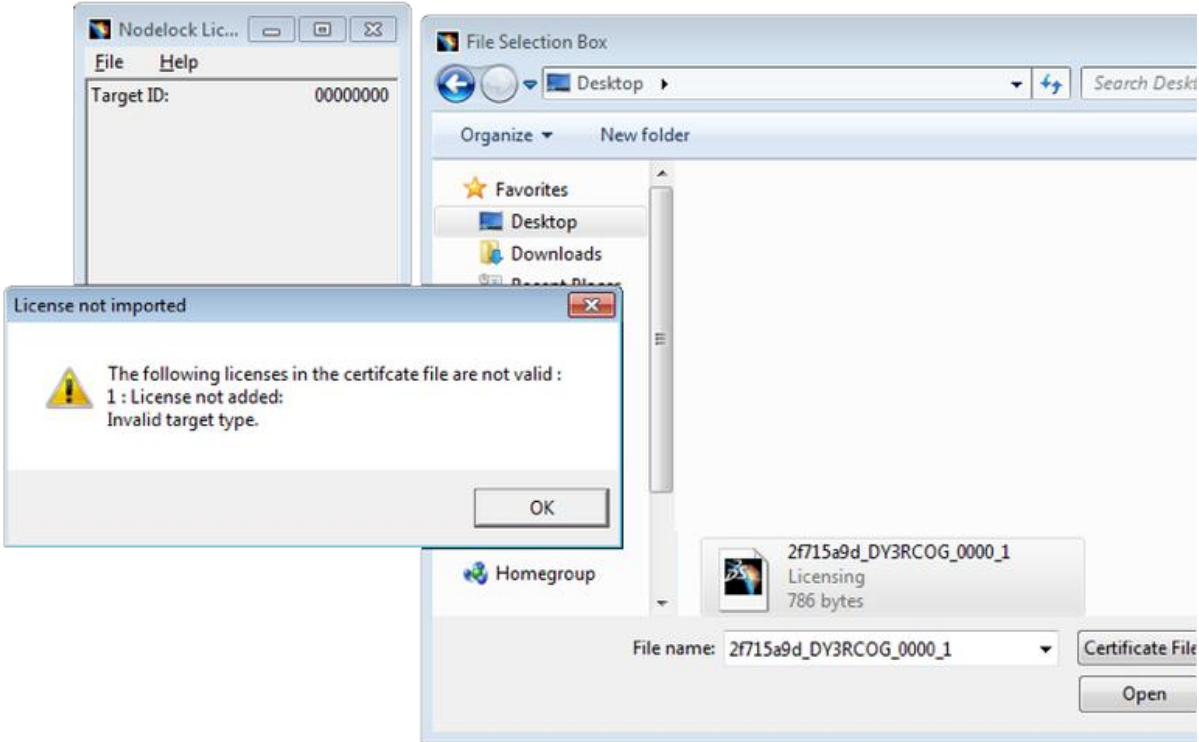
variable name: DSLICENSING
value: LEGACY



<https://swym.3ds.com/#community:514/questions:12882>
<https://swym.3ds.com/#post:12819>

9.2.5. My Target ID is 00000000

Should you get the following:



Make sure you used the Target ID Generator determine your Target ID.

If you already did, you are probably running a Virtual machine and CATIA will not work. In that case: a) use a real machine and request a license transfer, or b) request a refund.

<https://swym.3ds.com/#community:514/iquestions:11798>

<https://swym.3ds.com/#community:514/iquestions:16165>

10. Licensing for V5-6R2013 (and later versions) users

10.1. How to import the license key received by email

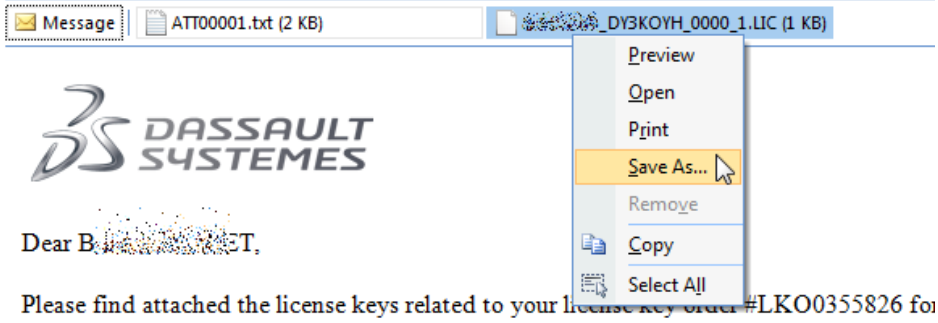
Save the .LIC file received by email in a temporary directory

License keys - LKO0355826 - for Dassault Systèmes software purchased by M

● EMEA.Finance.License-Keys@3ds.com

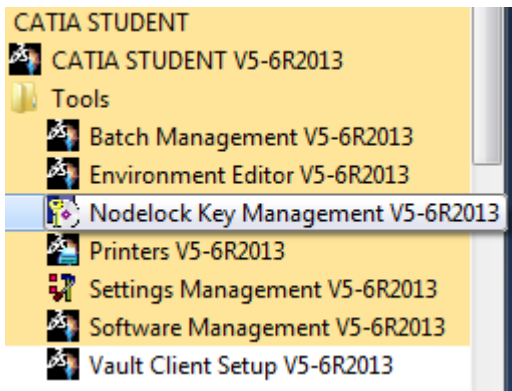
Sent: Thu 3/8/2012 5:56 PM

To: ● vasavoit@vasavoit.com



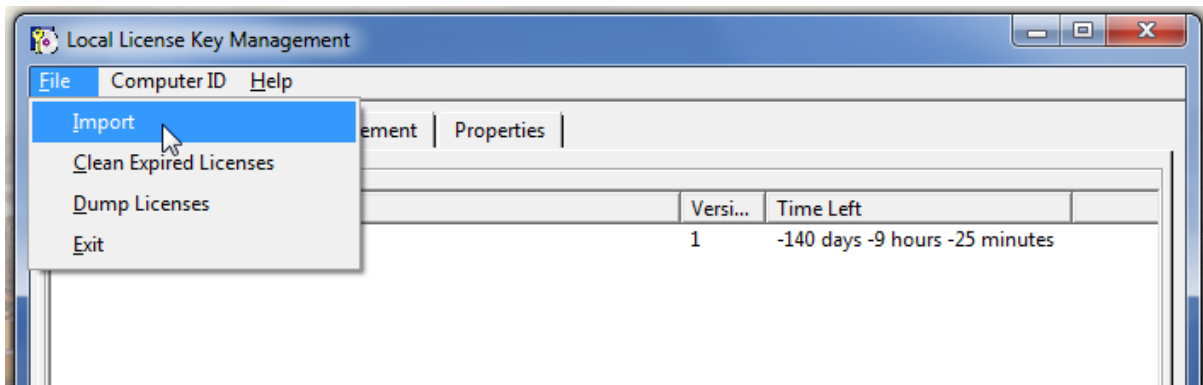
From the Windows start menu, select

Start > All Programs > CATIA STUDENT > Tools > Nodelock Key Management (DSLS) v5-6R20xx

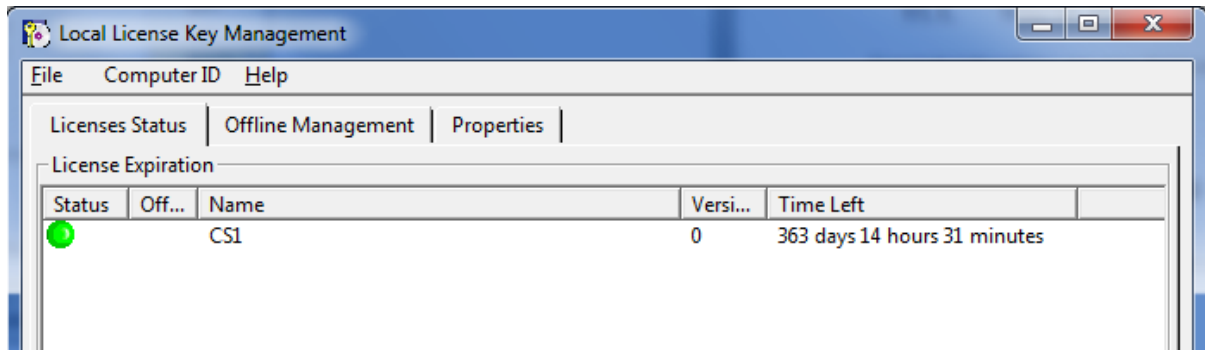


Use the menu to select:

File > Import



Pick the .LIC file you previously saved on your hard drive. Your CATIA Student Edition license (CS1) should appear in the list:



11. Run CATIA V5

11.1. You're done!

Congratulations! You are now done and you may now shape your ideas in 3D.

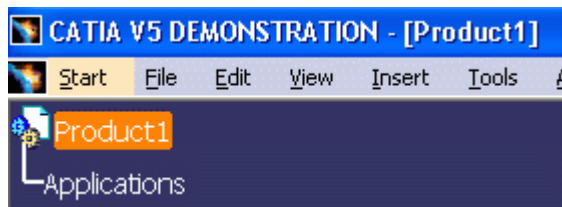
Enjoy CATIA V5.

11.2. Troubleshooting

11.2.1. You have not requested a configuration or product license

See paragraph 9.2.4

11.2.2. CATIA title bar show "CATIA V5 DEMONSTRATION"?

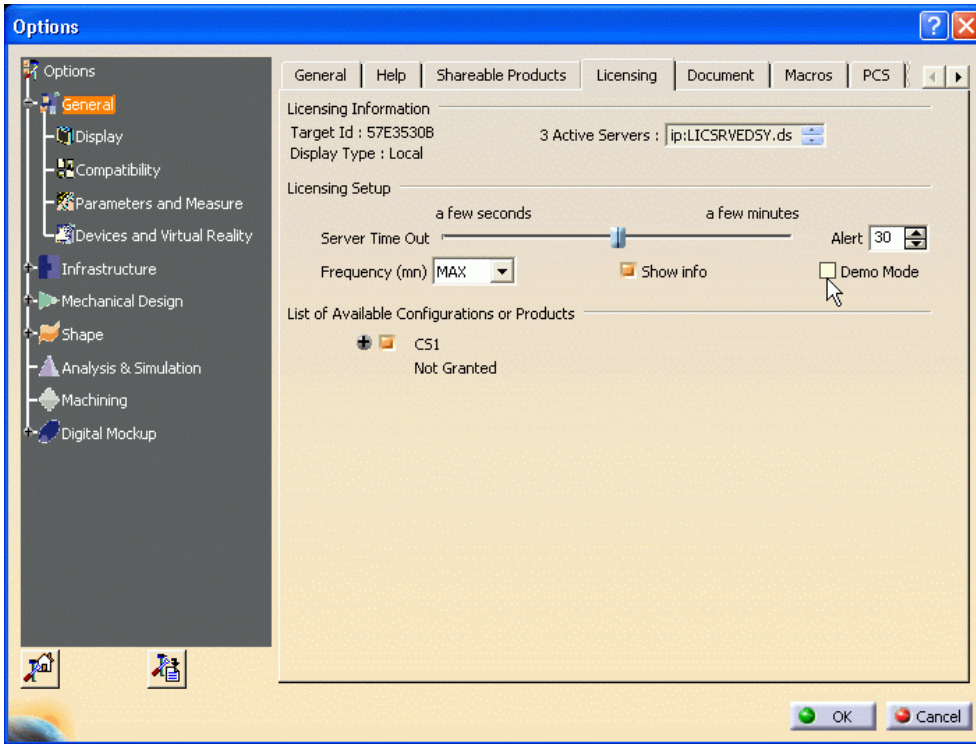


You probably checked the "demo" mode by mistake.

To fix the problem:

- Select "Tools" > "Options" from the menu
- Select the "Licensing" tab (as shown below)

- Uncheck the demo mode



You will be asked to restart CATIA V5. Once done, you should see "CATIA V5 for Student" in the CATIA title bar.

<https://swym.3ds.com/#community:514/questions:11829>