Appendix A – Planning, Ordering, Installing, Getting Help

IBM Corporate Accounts

This appendix is for individual modelers or small companies who have no previous relationship with IBM. If you work for a company that already has a relationship with IBM, you will need to work through your **Site Technical Contact (STC)** in order to understand how your company purchases and administers IBM software licenses.

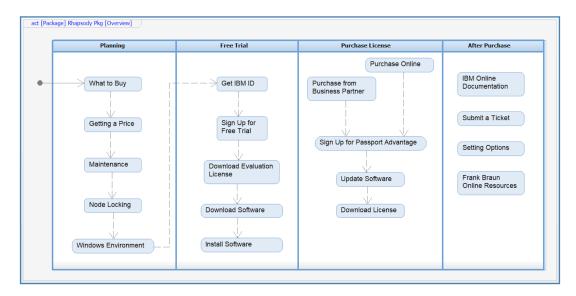


Figure A-1 – Overview: planning, ordering, installing, getting help

IBM's main marketing focus is large companies. If you are an individual modeler or small company, your path to obtaining *Rhapsody* will be a bit more complicated than it would be for a similar tool produced by another company. Figure A-1 shows the general flow of topics which are covered in the following sections. ⁽¹⁾

- 1) **Planning** *IBM Engineering Systems Design Rhapsody* ⁽²⁾ is an engineering tool, not a social media application. Installing and learning to use *Rhapsody* will involve a significant commitment of time and effort. You will want to do some planning before you get started.
- 2) **Free Trial –** All things considered, the most practical approach to getting started will be to sign up for the free trial.

⁽¹⁾ This diagram is a SysML activity diagram. However, it is not rigorously constructed. SysML diagrams don't always have to be rigorously constructed to be helpful.

⁽²⁾ In most of the text, we will refer to only the tool name: *Rhapsody* for brevity. However, if you are looking for information on the tool, be sure to include the string "IBM". We also recommend that you use the Google search engine as IBM has put considerable effort into optimizing its websites for Google.

- 3) **Purchase License** Once you have completed your free trial and are ready to purchase a permanent license, the most straightforward approach will be to contact an IBM business partner. However, depending on which country you are in, IBM may be able to assign an internal sales representative to take your order directly.
- 4) **After Purchase –** We have also included some information about routine needs after purchase such as finding online help and contacting support.

Note that the screen captures in the following sections are current for *IBM Engineering Systems Design Rhapsody* version *9.0.1* and IBM's websites as of June 2021. Both the tool and IBM's websites are subject to change.

Planning

What to Buy

IBM offers a number of different editions of *Rhapsody*. Frank has prepared a very nice, short video that explains the ins and outs of the different editions:

http://url4ap.net/Rhapsody-Overview

IBM also provides an overview of the editions here:

http://url4ap.net/Rhapsody-Pricing

Any of the four editions should work for learning SysML. Beginners may appreciate the systems engineering-focused interface provided by the "Architect for Systems Engineers" and "Designer for Systems Engineers" editions. ⁽³⁾

Most of the screen captures in this book were made using the "Designer for Systems Engineers" edition.

Getting a Price

IBM does not directly publish a full price list on its website.

⁽³⁾ Software developers and other advanced users who would like to experiment with limited generation of code skeletons can also use the "Architect for Software" edition which also includes the SysML functionality covered in this book.

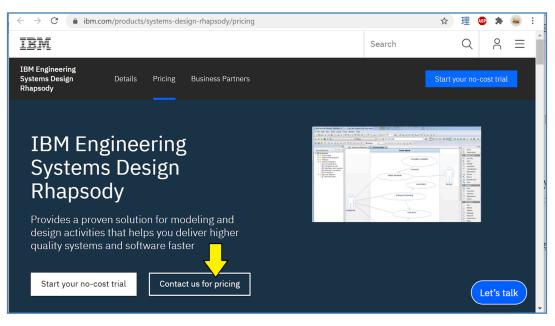


Figure A-2 – Follow the contact us for pricing link

The most straightforward approach to investigate pricing is to go to product overview website:

http://url4ap.net/Rhapsody-Pricing

and click on the "Contact us for pricing" link. IBM will put you in touch with an authorized IBM business partner who will quote pricing for you. Depending on the circumstances, the IBM business partner might be able to offer some level of discount from list price. The business partner will also provide you with personal support during your trial, answer your questions, and provide detailed information as needed.

Note that the "Architect for Systems Engineers" and "Architect for Software" editions are quite competitively priced. However, there is a substantial jump in price from these editions to the next two editions. Your IBM business partner will provide more detailed pricing information.

You will also want to plan for annual support and maintenance costs. Like most suppliers of commercial enterprise software, and like all suppliers of commercial SysML tools that we are aware of, IBM charges an annual support and maintenance fee for *Rhapsody*. Your IBM business partner should be able to provide information on typical ranges for these charges.

Node Locking

IBM sells some engineering tool licenses on an "authorized user" basis which allows one user to have the software installed on multiple machines. However, for *Rhapsody*, the authorized user license only allows the software to be used on a single machine. At the time you generate and download your license, a host ID will be generated for your computer and built into the license key.

See Figure A-20 on page 15 for more information on how the node locking process works.

Maintenance

IBM provides a variety of site license and maintenance plans for enterprise customers. However, even as an individual or small business, once you purchase a license and sign up for *IBM Passport Advantage* or *IBM Passport Advantage Express* you will be able to submit tickets (See *Contact Support* on page 19) and download software version updates and fixes (See *Update Software* on page 19).

Windows Environment

IBM												
Software Product Compa	roduct Compatibility Reports											
	Product IBM Engineering Systems Design Rhapsody 9.0.1 Detailed System Requirements											
	Report filters											
	9.0.1 initial version		~	v		Utilities ♂ Regenerate Anytime		9 🖪	Download PDF		Notes Data as of 2020-08-27 03:04:25 EDT @ Disclaimers New Design! @ View new features	
	Operating Systems	Hypervisors F	Prerequisites S	Supported Sol	ftware	Hardware	Packaging	.ist				
	Show notes	Hide notes										
	↓ Windows											
	Windows									Filter		34
	Operating System		Operating Syste Minimum	em 🚺	Hardware		Bitness		Product () Minimum	Components	0 Notes	Details
										里		
	Windows 10 Enterpris	ė	Base		x86-32		32		9.0.1	•	(1)	Je View
	Windows 10 Enterpris	e	Base		x86-64		64-Expl Tolerate	oit, 64-	9.0.1	٩	(1)	Je View
	Windows 10 Pro		Base		x86-32		32		9.0.1	٩	(1)	Je View

Figure A-3 – IBM's software and hardware prerequisites page

The hardware and software prerequisites for *Rhapsody* can be found by accessing:

http://url4ap.net/Rhapsody-Prereas

Free Trial

As we mentioned above, the most practical approach for an individual or a small business to take in getting started with *Rhapsody* is to sign up for a free trial.

Get an IBM ID

Before you start your free trial, you will need an IBM ID. If you do not already have one, you will need to register. This ID is free and will be your main identity for interacting with IBM across all of its websites.

← → C (idaas.iam.ibm.com/idaas/mtfim/sps/authsvc?Pe	olicyId=urn:ibm:security:authe
IBM		
	Log in to IBM	
	IBMid	Forgot IBMid?
	✔ Remember me (i)	
	Continue	
	Don't have an account? Create an IBMid	

Figure A-4 – Follow the link to create an IBM ID

Follow the "Create an IBM ID" link to:

http://url4ap.net/Create-IBM-ID

and register an ID.

Sign Up for Free Trial

After you have registered your IBM ID, go to product overview website:

http://url4ap.net/Rhapsody-Pricing

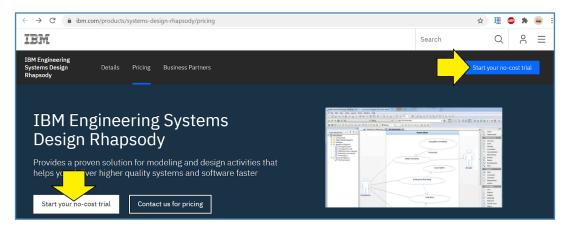


Figure A-5 – Click on the Start your no-cost trial link

Click on either one of the "Start your no-cost trial" links to start the free trial process. When prompted, log in with your IBM ID.

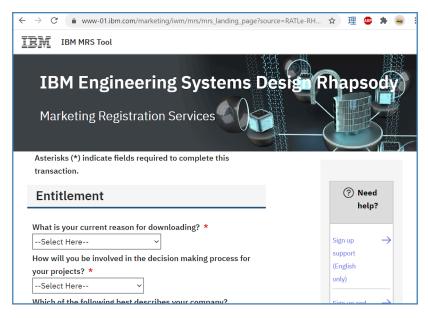


Figure A-6 – IBM marketing information screen

An IBM marketing information screen will appear. Answer the questions and click "I Confirm" at the bottom of the screen.

← → C í	www-01.ibm.com/marketing/iwm/mrs	:/packageList?source=RATLe-RHAPDEV-E\	/AL⟨=en_US		
Marke	ting Registration Servi				
			e appropriate offering. When you are		
Show 10					
Select	♦ Offering	♦ Platform	♦ Languages		
	IBM Engineering Systems Design Rhapsody V9.0.1 Evaluation Multiplatform Multilingual eAssembly 9.0.1.0 <u>View License</u> ①	Supported Platforms	Chinese Simplified, Chinese Traditional, English, Japanese, Korean		

Figure A-7 – Select the product

On the next screen, select the product as shown. Scroll down and click "Continue" at the bottom of the screen.

Download Evaluation License

Download using http		Download using Downl	oad Director
now 10 v entries		Search:	
Description	Filename	Size	Action
IBM Engineering Systems Design Rhapsody V9.0.1 Evaluation for Windows 32 Bit Multilingual	Rhapsody_eval_9.0.1_Window s_32.zip <u>View License</u> ③	1315 MB	Download 🕁
IBM Engineering Systems Design Rhapsody V9.0.1 Evaluation for Windows 64 Bit Multilingual	Rhapsody_eval_9.0.1_Window s_64.zip <u>View License</u> ③	1500 MB	
IBM Rational Rhapsody Evaluation Key Multiplatform English	Rhapsody_Eval_Key.dat View License ©	12 KB	Download

Figure A-8 – Download the evaluation license key

It is slightly easier at this point to download the evaluation license key before downloading the software. $^{\left(4\right)}$

Note: The directory you place your license file in will become part of your *Rhapsody* installation. As such, it is important to place the license key file in a suitable permanent directory. We recommend something like: "C:\IBM\Licenses"

Download Software

← → C						
Download using http Download using Download Director						
Show 10 v entries		Search:				
Description	Filename	Size	Action			
IBM Engineering Systems Design Rhapsody V9.0.1 Evaluation for Windows 32 Bit Multilingual	Rhapsody_eval_9.0.1_Window s_32.zip <u>View License</u> ③	1315 MB				
IBM Engineering Systems Design Rhapsody V9.0.1 Evaluation for Windows 64 Bit Multilingual	Rhapsody_eval_9.0.1_Window s_64.zip <u>View License</u> ③	1500 MB	Download			
IBM Rational Rhapsody Evaluation Key Multiplatform English	Rhapsody_Eval_Key.dat <u>View License</u> ③	12 KB	Download 🕁			

Figure A-9 – Download the software

Next select the software edition you want, ⁽⁵⁾ and download. The file is quite large (1.5GB) and may take a while to download, depending on the speed of your internet link.

Install Software

IBM's instructions for installing Rhapsody on a Windows system are available here:

http://url4ap.net/Rhapsody-Install

Here are some recommendations and additional information to consider as you follow the steps documented on IBM's website:

1) **Between Steps 3 and 4, Choose Edition –** Between steps 3 and 4, a panel will appear allowing you to select the edition. For the purposes of this trial, we recommend that you select the "Developer" edition. This is a superset of all of the other editions. Later, if you choose to purchase the license for an edition with fewer features, you will not need to re-install the software. The software will simply present itself as the edition enabled by the license you have paid for.

⁽⁴⁾ The name "IBM Rational Rhapsody Evaluation Key" represents IBM's previous branding and does not quite match the current product name. Don't worry, this is the right key for the product.

⁽⁵⁾ Apparently, there are some minor features in the 32-bit version that have not quite been ported to the 64-bit version. These are not important for this book and we will be using the 64-bit version.

🕼 IBM Engineering Systems Design Rhapsody 9.0.1 64bit - InstallShield Wizard	<					
Choose Edition						
Rhapsody contains the following editions. Please select the edition you wish to install on your machine. NOTE: You need a valid license for each edition.						
IBM Engineering Systems Design Rhapsody - Developer						
IBM Engineering Systems Design Rhapsody - Architect for Software						
O IBM Engineering Systems Design Rhapsody - Architect for Systems Engineers						
O IBM Engineering Systems Design Rhapsody - Designer for Systems Engineers						
InstallShield						
< Back Next > Cancel						

Figure A-10 – Select developer edition

- 2) Step 8, Selecting Languages Selecting Java or ADA will increase the complexity of the installation process. C and C++ will be sufficient for simulation and other advanced systems modeling tasks. Select Java and/or ADA only if you have a specific interest in generating code for these languages.
- 3) Step 9, Selecting Directories Like almost all current Windows software packages, the installer defaults to installing the software in the "C:\Program Files\". However, like most similar SysML tools, parts of the software that support older, less common, or more sophisticated features may not handle file paths containing spaces gracefully. Although the exercises in this book should run fine from "C:\Program Files\", we recommend that you override this setting and install the program in a directory not containing spaces in its name such as: "C:\IBM\Rhapsody".

Purchase License

Once the term on your evaluation license runs out, you will want to purchase a permanent license key. IBM prefers to have customers directly supported by authorized IBM business partners (or by the IBM sales team for larger customers).

Purchase from Business Partner

If you are ready to purchase a license from an IBM business partner and have not already contacted one for pricing, return to the link shown in Figure A-2 on page 3. After you fill out the contact information, an authorized IBM business partner will contact you directly to arrange pricing and payment for your license.

Note: The IBM business partner will be setting up some additional IBM accounts for you. Don't forget to give the IBM Business Partner the IBM ID you created in *Get an IBM ID* on page 4 above so that the IBM business partner can keep all the accounts tied together properly.

Passport Advantage Express

Assuming that you are working for a small company with no previous relationship with IBM, after accepting your money, the IBM business partner will create an ID for you in IBM Passport Advantage Express.

From:	Passport Advantage <dswnorpy@us.ibm.com></dswnorpy@us.ibm.com>
Sent:	Monday, June 14, 2021 11:01 AM
To:	David Hetherington
Subject:	IBM PassportAdvantage Express Proof of Entitlement
Attachments:	IBM-POE-ORDER# .PDF
	Advantage Express Proof of Entitlement for your recent acquisition as well as a link to the IBM ress terms to which you agreed when you made that acquisition.
f of Entitlement	ot(s) acquired d by a matching out.

Figure A-11 – E-Mail from IBM Passport Advantage Express

You will receive an e-mail from IBM Passport Advantage Express titled: "IBM Passport Advantage Express Proof of Entitlement".

IBM							
International Business Machines Corporation International Indiana Conference IV International Internationae Internationae Internationae Intern							
Proof of Entitlemer	nt						
Customer Contact :							
Attn: David He	therington						
		invoice or receipt, is evidence of your level of authorized use are provided to you subject to the terms listed on the IBM					
		IBM Site Number:					
IBM Customer Number:	1						
IBM Order Reference Number:		IBM Order Reference Date: 14-Jun-2021					
Transaction Business Partner:							
Quantity Part Number	Description	Software Subscription and Support Coverage Dates					
1 D09MULL	IBM Engineering Systems D for Software Authorized Use Subscription & Support 12 1	r License + SW					
www.rational.com/licensing							

Figure A-12 – Proof of Entitlement

The e-mail will contain your proof of entitlement as an attached PDF file.

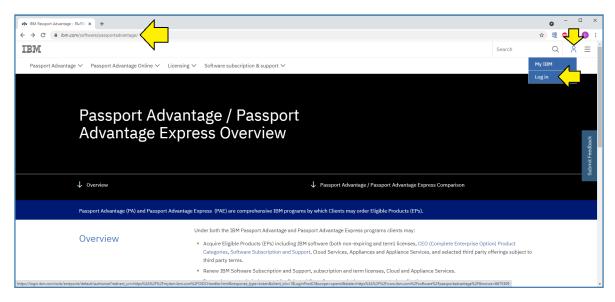


Figure A-13 – Log in

The e-mail will prompt you to log into Passport Advantage Express at:

https://www.ibm.com/software/passportadvantage/

Use the IBM ID you created in Get an IBM ID on page 4 above to login.

• My BM x +	• - • ×
← → C (a mytom.box.com/dashboard/	* 理 😊 🛪 📵 🗄
IBN	8 ≡
My IBM Profile Billing	BMid:
David, your IBM product space is ready!	
Need help?	
Get product support	
Get started today with an IBM product purchase or free trial. Start filling your IBM products page with offerings that will solve your technology and business needs. Free trials available.	log
Contact IBM Privacy Terms of use Accessibility United States - Er	nglish 🗸

Figure A-14 – Dashboard

Once you are registered, you can also access your IBM dashboard at:

https://myibm.ibm.com/dashboard/

IBM License Key Center

Next, you will receive an e-mail giving you access to the IBM License Key Center.

David Hetherington	1
From: Sent: To: Subject:	Do Not Reply <no-reply-ibmrational-license-keys@flexnetoperations.com> Monday, June 14, 2021 11:40 AM David Hetherington Welcome to the IBM License Key Center</no-reply-ibmrational-license-keys@flexnetoperations.com>
Your License Key	Center account ID:
Dear David,	
	ur decision to use IBM products. This e-mail will guide you to access the ciated with your purchase.
online software lic	ts require license keys to use them. The IBM License Key Center is an ense key delivery tool v access to your license keys 24 hours a day, 7 days a week.
How to log in To access your lic	ense keys:
 Once you have a select the line Select Continue 	<u>here</u> to create your Password ave created your password click on the Attempt to Login link. nk to log into the License Key Center. inue to navigate to the IBM License Key Center. License Key Center using your email address as your ID and your

Figure A-15 – E-Mail from the IBM License Key Center

Note your license center account id and follow the link to set your password.

- IBM Upgrade today with S&	S 🗙 Rational License Key Center : Par: 🗴 📣 IBM Support - Licensing start par 🗙 -	•	• - • ×
← → C 🔒 ibm.com	/support/pages/ibm-support-licensing-start-page		💷 簚 ★ 🦉 🗄
IBM			
	IBM Support - Licensing		
	This web page helps you request specific licer	se keys for IBM software products.	
	Most IBM software products require specific license keys in order to use them.		
	The instructions below will guide you to the IBM License Key Center, and the on-line	service for generating and managing your license keys.	
	How to	Action	
	Manage Your License Keys	C Log in to the License Key Center	Connect and leedback
	Open a Support Case	Log in to the Customer Support Portal	ntact an
	Getting started after your purchase	Get Started with your IBM Software Purchase	8
		POF <u>Getting Started Guide - English</u>	
	Review Frequently Asked Questions	Questions and answers regarding the License Key Center and license keys PDF $\underline{FAQ}-\underline{English}$.	
	Download Software/Media	Log into $\mathcal{P} \underline{PassportAdvantage}$ to download the product after your purchase.	
	Download fives and natches	Log into Dir Central to download fires, outches and services releases for	

Figure A-16 – IBM support licensing start page

After setting your license key center, you will want to bookmark the IBM support licensing start page:

https://www.ibm.com/support/pages/ibm-support-licensing-start-page

This page contains a handy set of links for all things related to IBM licensing.

Download License

Once you have purchased your permanent license (online or from an IBM business partner) you will receive an email instructing you to log in to the IBM Rational License Key Center. ⁽⁶⁾ The license you have purchased will be either for an "authorized user" node-locked license or for a floating license. The procedure shown below is for the node-locked license. Frank has prepared a video showing a little more about both types and how to install them:

http://url4ap.net/Rhapsody-Licenses

IBM Upgrade today with S&S ×	Rational License Key Center: Pai: x Rational License Key Center: Get x +		0	-		×
← → C 🔒 licensing.subscribenet	com/control/ibmr/ibmrindex	Q \$	理	۵ :	• 0	-
	BM 🗾 🖉	(), for tener() that is, the ", (related input A) tener(1))(or held) this section (). Column millow: "low all ", and and magnet (4))); attice proves (a), (A)((), (relative)), add(2), (relative)), memory (a), (A)((), (relative)), add(2), (relative)), memory (a), (A)((), (relative)), add(2), (relative)), millof (find()), (relative), a insertices millof (find()), (relative), a insertices	200			~
	IBM® License Key Center					
License Management Get Keys Return Keys View keys by host View keys by user		David Hethering Company: Acc∢	ton			
License Availability Report	Get keys					
Order Information View History	Welcome to the IBM License Key Center					
Accounts and members Account members Join new account	Start by selecting a product line below:					
Preferences Change password Email preferences Product preferences	IBM Engineering Systems Design Rhapsody					
Getting help News FAQ License support	·					
Language						-

Figure A-17 – Click link to access the license

Once you are logged in, you will see links for one or more licenses, depending on what you have purchased from IBM. Click the link for *Rhapsody* to access your purchased license.

⁽⁶⁾ The screenshots and procedure shown in this section are current as of September 2020. However, the reader will notice that the branding and look of these web pages are not current. We expect IBM to redesign this process and introduce new web pages for license download.

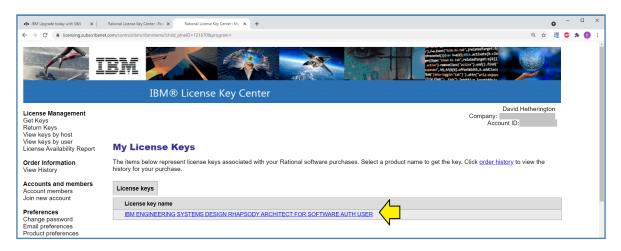


Figure A-18 – Click to select the license

Click to select the license.

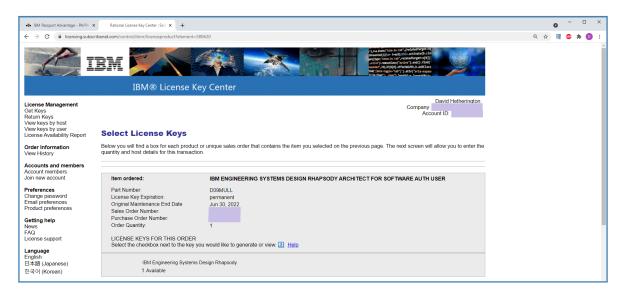


Figure A-19 – Check the information and click next

Review the information in the next panel and click: "Next".

IBM Upgrade today with S&S	< Rational License Key Center : Pas: 🗙 Rational License Key Center : Re: 🗙 🏢 Connect to FTP site server using 🗙 🕇	×
← → C	ribenet.com/control/ibmr/generatelicenses	Rational License Key Center - Google Chrome - 🗆 X
← → C ■ icensingsubsc	noeneccom/control/tom/generatercenses	licensing.subscribenet.com/control/ibmr/general_content/partnerC u
	BM	The host ID is a generic term used to identify the hardware to which you will be registering your key. Use the information below to get your hostid for various platforms.
	IBM® License Key Center	Platform To get yo stid Download and run this tool (200KB) to get your
License Management Get Keys Return Keys View keys by host View keys by user License Availability Report	Required Information	host ID and host name. On Windows systems you have the choice of using either the disk serial number of your boot drive (usually C.) or the ethernet address from your network card as the host ID. Make sure you select the correct Windows value in the host ID puldown menu before pasting in your disk serial number or your ethernet address. When you run the downloaded
Order Information View History Accounts and members	Enter required information in below fields, for help see the pop-up for each input et lefs for Retional Set · · · · ×	tool, the host ID displayed is your disk serial number. Select the "Alternate Host ID" button if you want to register your license keys to your ethernet address.
Account members Join new account	PLEASE CLICK GENERATE ONLY ONCE.	On Solaris systems, the run the 'hostid' command from the command line. Use the string returned as your hostid.
Preferences Change password	Host ID for this map 2	Elinux Download and extract this tar file.(1.2MB) to get your host ID.
Email preferences Product preferences	Please copy and the the values above into Account ink.	a Download and extract this tar file (1.5MB) to get your host ID.
Getting help News	IBM ENGINEERING SYSTEMS DESIGN RHAPSODY ARCHITECT FOR SOFTW	e d
FAQ License support	IBM Engineering Systems Design Rahpsody Archit h User v. 9.0 v	
Language	Host ID Type * Disk Serial Number (Windows only)	
English		
日本語 (Japanese)	I Hostname *	
한국어 (Korean)	Licates Required Field	
Logout	Generate	

Figure A-20 – Get host ID and generate license

Next you will need to generate your license key. It is important that you perform the next few steps below in exactly this sequence and that you perform them only once.

- 1) Make sure that "Version" matches the license that you purchased.
- 2) Make sure that "Host ID Type" is "Disk Serial Number (Windows only)".
- 3) Click on the blue "Host ID" link.
- 4) A dialog box will open containing a list of operating systems with instructions for each operating system.
- 5) In the Windows box, click the blue "Download and run this tool" link. ⁽⁷⁾
- 6) A tool should download and/or run. The tool will use the information in your system to calculate and display the "Hostname" and "Host ID" for your system. ⁽⁸⁾
- 7) Make sure that these have been transferred into the main panel properly (should be automatic) and click "OK".
- 8) Click "Generate" once-and-only once.

⁽⁷⁾ This link may not work. As of June 23, 2021 Chrome and Edge browsers no longer allow direct access to ftp links. The file you are trying to access is: <u>ftp://ftp.software.ibm.com/software/rational/web/lkc/get_host_info.exe</u> You may need to use the "Add a network location" procedure in Windows 10 to add <u>ftp://ftp.software.ibm.com</u> as a location and then browse down to the "get_host_info.exe" file, copy it to your hard disk, and run it. IBM Support Case number TS005994865 was created for this issue on June 24, 2021.

⁽⁸⁾ The algorithm IBM uses to generate these fields is sensitive to your exact Windows installation. If you have to reinstall Windows for some reason, you will need to contact IBM support, have them reset your license count, and generate a fresh key for your new installation of Windows.

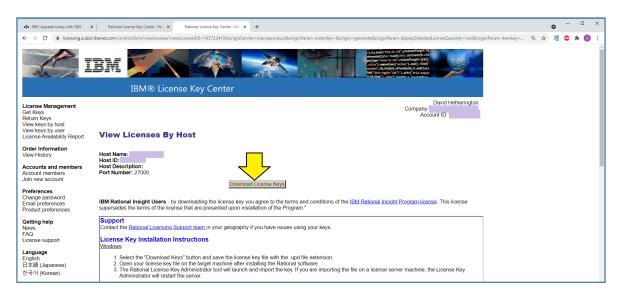


Figure A-21 – Download license key

In the next screen you should see that the information has been set for the license key to match your host information. Click "Download License Keys".

A Cut Copy Pate Copy Copy	Edit	Select all	
Click and Describe http://		Invert selection	
Cipboard Organize IVW	Open	Select	
- → ∨ ↑ 🖡 > This PC > Windows (C:) > Users > ap4mi > Downloads 🖊		✓ ♥ Search	h Downloads
A Quick access	Date modified	Туре	Size
Desktop Jesktop Jesktop	8/7/2019 8:24 A	M Application	296 KB
license.dat	8/7/2019 8:27 A	M DAT File	4 KB
Downloads			
📔 Documents 🛛 🖈 🚽			

Figure A-22 – License data in download folder

The license key should now download to your Windows "Downloads" folder.

🜍 File View He	lp	
	Welcome Screen Guide Me Help Contents IBM on the Web	
IBM Engineer	About Rhapsody	
	1 Welcome to Rhapsody	

Figure A-23 – Start Rhapsody, select help, about

Start Rhapsody and click "Help" and then "About Rhapsody ..."



Figure A-24 – Click License

Click "License".

lost details		
Host name:		
Hostid:		
Disk Serial Num:		C
License Details		
License Type:	Development Edition	2
License File:	C.\flexim\license.dat;	5
License Path:	C:\flextm\license.dat;	e
Serial Number:		a
	Close	L.

Figure A-25 – License information panel will appear

A license information panel will appear.

- 1) Note the path to and name of the license key file. Both of these may be different from the name and path you specified when you installed the evaluation key.
- 2) Find the existing license key file.
- 3) Make a backup copy of the existing license key file.
- 4) Make a backup copy of the new permanent license key file.
- 5) Rename the downloaded permanent license key to match the filename of the existing license.
- 6) Copy the renamed permanent license key to the directory, overwriting the previous license key file.

The next time you restart *Rhapsody* the new permanent license key will be activated.

After Purchase

Setting Options

Rhapsody is a highly configurable tool. A small number of key options for how the tool behaves can be set directly from the "View" menu. The rest (the vast majority) of the configurable options are set by manipulating properties.

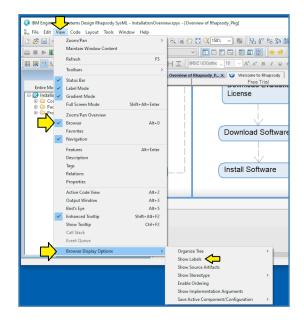


Figure A-26 – View options

In order to see the options in the view menu, you need to have a project loaded. Open any of the tutorial example models. After opening a project, you should be able to see the menu as shown in Figure A-26.

"Label Mode" is an important option. If this option is not set, *Rhapsody* will assume that you are constructing models for the purpose of generating software source code and will impose the usual requirements for software source code identifiers on your element names. Notably, you will not be allowed to have names like: "Big Red Car" as the spaces would violate identifier rules for most compilers. In Systems Engineering, we are usually modeling for humans, not compilers. Set "Label Mode" to allow normal human-friendly names. ⁽⁹⁾

Additional persistent option settings are available under the "Browser Display Options" submenu of "View".

⁽⁹⁾ Setting label mode will not preclude you from trying to generate software source code later. Under the covers, *Rhapsody* will automatically generate a compiler-friendly name from your label. That compiler-friendly name will be the formal "Name" from a UML point-of-view. The human-friendly text you see on the screen will merely be the "Label" which UML does not care about.

The rest of the (much more numerous) options can generally be set for specific diagrams, for a project, or for the tool in general. IBM provides detailed online documentation on how to configure properties here:

http://url4ap.net/Rhapsody-Options

IBM Online Documentation

IBM provides extensive online documentation for Rhapsody here:

http://url4ap.net/Rhapsody-Doc

Contact Support

Once you have purchased a license for *Rhapsody* you can open a support ticket to ask questions or report a bug by contacting IBM through the IBM support website:

https://www.ibm.com/mysupport/s/

Note that the first time you need to open a case, the website will prompt you to register for access. You will need your IBM customer number from the proof of entitlement certificate you received as shown in Figure A-12 on page 10.

Sign Up for Passport Advantage

Once you have purchased a license (either online or through an IBM business partner) you should be able to set up your *IBM Passport Advantage* account. If you are an individual or a small business, you will probably want to enroll in the "IBM Passport Advantage Express" program. Your IBM business partner will help you get this account set up.

Update Software

One of the key benefits of the *IBM Passport Advantage* program is that you will have continuous access to the latest software versions and patches.

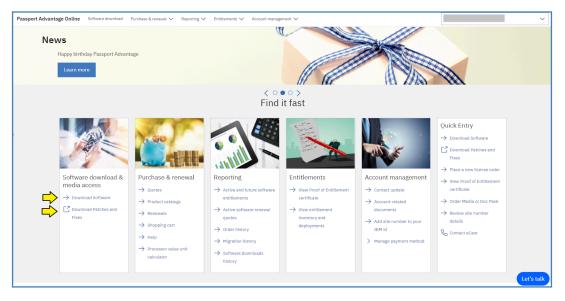


Figure A-27 – Software and updates can be downloaded from the IBM Passport Advantage website

Frank Braun Online Resources

The first stop for online help for *Rhapsody* is Frank Braun's site:

https://www.rhapsody.guru/

Frank also has a YouTube channel of tips:

https://www.youtube.com/c/RhapsodyGuru

Frank also has a number of friends and former colleagues who provide online resources related to *Rhapsody*:

- <u>http://www.merlinscave.info/</u>
- <u>https://www.bruce-douglass.com/</u>
- <u>http://www.mbsetraining.com/</u>