Installation instructions for an evaluation copy of Rational Rhapsody 8.1.1

ES1 Student Tutorial

Ludvig Michaelsson, ludvigmi@kth.se

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1 Introduction

This tutorial will teach you how to install an evaluation copy of Rational Rhapsody 8.1.1. As of writing this tutorial, each evaluation license will last **30 days** from the registration date. If installed in connection with the corresponding labs, this should be more than enough time.

The tutorial will also go through installing the prerequisites such as the compilation environment. In this case, we'll use Microsoft Visual Studio 2010 Professional (MSVC10), which is available for free for KTH students. Other environments can also be used, but MSVC10 is among the easiest to configure for Rational Rhapsody.

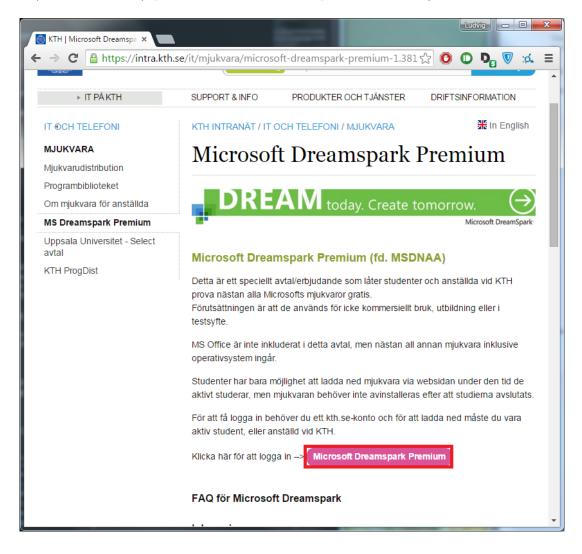
The installation for MSVC10 requires software to mount image files. There are recommended freeware options available on KTH ProgDist.

2 Downloading and installing MSVC10

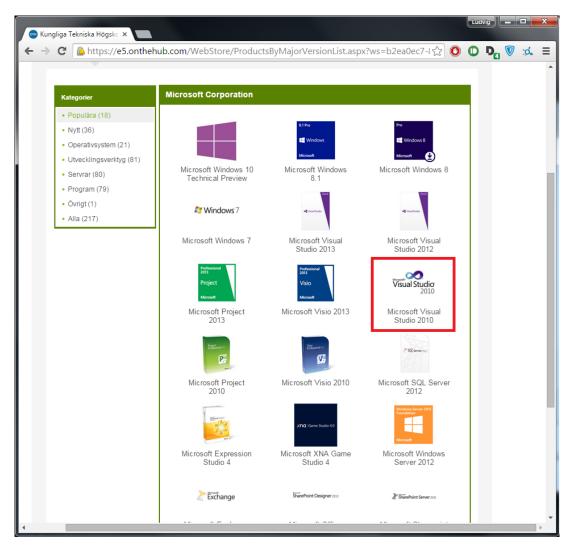
This section covers downloading Microsoft Visual Studio 2010 Professional from Microsoft DreamSpark, as well as installing it.

2.1 Downloading MSVC10

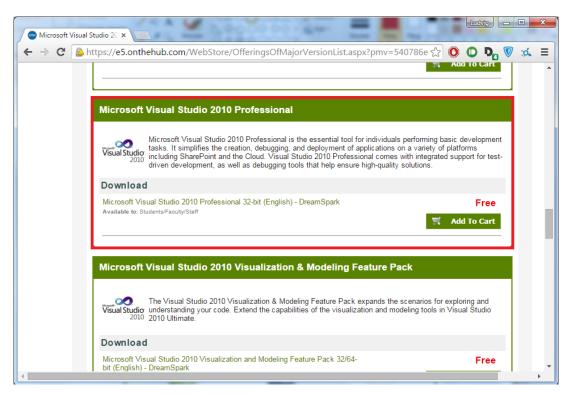
By navigating to KTH intra IT website (https://intra.kth.se/it), then choosing "MS Dreamspark Premium" (or follow this link), press the "Microsoft Dreamspark Premium" login button.



Log in using your KTH credentials, then search for Microsoft Visual Studio. At the time of writing this tutorial, the product was presented on the first page. Click it to proceed.



Scroll down to find Microsoft Visual Studio 2010 Professional, choose "Add to Cart".



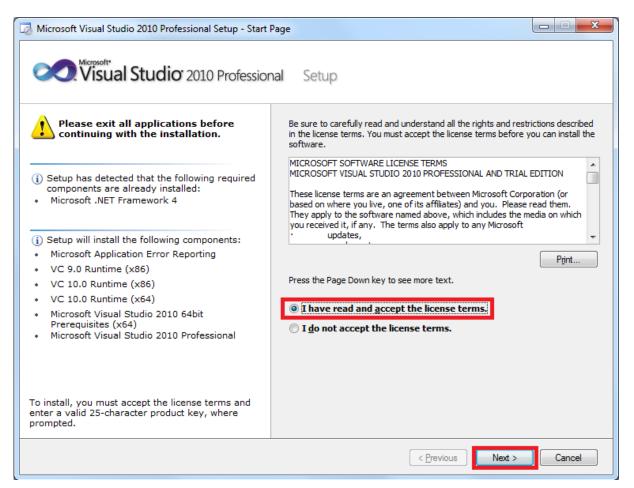
The checkout cart should automatically open, choose "Check Out".

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You will then be presented with download instructions, follow these. The download is 2 GB large and may take a while to download. In the meantime, you may proceed to download your evaluation copy of Rational Rhapsody.

2.2 Installing MSVC10

Once downloaded, mount the image file, and the installation process will begin. Read and accept the terms of service, then click "Next".



Choose to install the "Full" version of Microsoft Visual Studio. Optionally choose another installation path, for this tutorial, the default path, i.e.

C:\Program Files (x86)\Microsoft Visual Studio 10.0

will be used. Click "Install" to begin the installation process.

😡 Microsoft Visual Studio 2010 Professional Setup - Option	s Page				
Visual Studio [®] 2010 Professiona	a l Setup				
 Gelect features to install: ● Full Complete Visual Studio installation. Install all programming languages and tools. ● Custom Select which programming languages and tools to install on the next page. 	environm on Windo and SQL : C++, or ¹ Windows unit testir	en Visual Studi ent together w ws, the Web, / Server by usin /isual F#. Also SDK, Sync Fra Ig, and more.	vith componer Azure, the Off g Visual Basi includes SQL amework, a g	nts for building ice system, S c, Visual C#, . Server Expr raphics library	g solutions harePoint, Visual ess, the
	Disk space re Volume	quirements: Disk Size	Austable	Denvined	Demoinine
	C:	101.2 GB	Available 48.0 GB	Required 6.2 GB	Remaining 41.9 GB
			< <u>P</u> revious	Install	Cancel

Wait for the installation process to finish.

	·	
	ing Components:	
-		1
×	Microsoft Application Error Reporting	
	VC 9.0 Runtime (x86)	
	VC 10.0 Runtime (x86)	
	VC 10.0 Runtime (x64)	
	Microsoft Visual Studio 2010 64bit Prerequisites (x64)	
	Microsoft Visual F# 2.0 Runtime	
	Microsoft Visual Studio Macro Tools	- 1
× .	TFS Object Model (x64)	
×	.NET Framework 4 Multi-Targeting Pack	
\$	Microsoft Visual Studio 2010 Professional	
	Microsoft Web Deployment Tool (x64)	
	Microsoft ASP.NET MVC 2 - Visual Studio 2010 Tools	
	Microsoft ASP.NET MVC 2	
	Microsoft Silverlight 3 SDK	
	Microsoft Visual Studio 2010 Tools for Office Runtime (x64)	
	Microsoft Office Developer Tools (x64)	

When it is finished, click "Finish".

Microsoft Visual Studio 2010 Professional Setup - Finish Page	X
Visual Studio [®] 2010 Professional	Setup
Success	(i) Security Notice: Highly Recommended
Visual Studio 2010 has been installed and setup is complete.	It is also recommended that you choose to opt in to the Microsoft Update service to make sure you receive all the available updates for this and other Microsoft products.
	 Read the security notes View the readme notes Examine the installation log
	Fill up your tool box. Install extensions from the Visual Studio Gallery that integrate with Visual Studio to further enhance your development productivity.
	Help is just a click away! Clicking the button below will launch the Help Library Manager which will guide you through configuring local help for Visual Studio. More info
	Install Documentation
	< <u>Previous</u> Cancel

3 Download and install Rational Rhapsody 8.1.1

This section will go through downloading and installing Rational Rhapsody. To do this, you will need to create an IBM ID, this tutorial will also cover this.

3.1 Downloading Rational Rhapsody

Navigate to this link to get to the Rational Rhapsody 8.1.1 download page. If the link does not work, a Google query for rational rhapsody 8.1.1 trial should work just as fine.

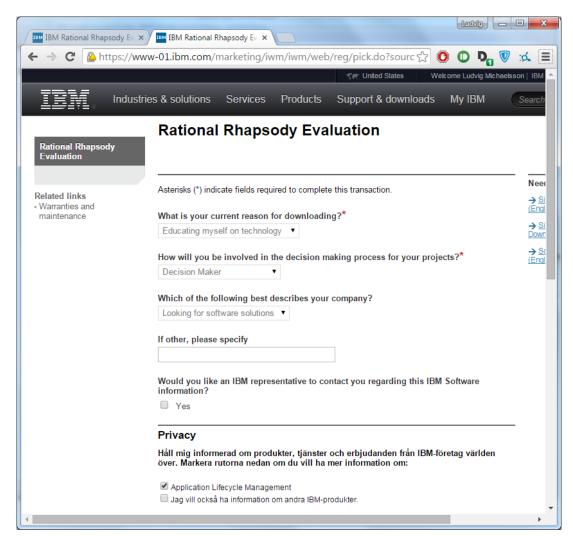
Choose an appropriate language, then click on "Continue".

Trial do	wnload: Rational R 🗙 V 📷 KTH Microsoft Dreamspace 🗙 📃	
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	Rhapsody 8.1.1	
105	This download is available for no fee, but does require registration. If you do not have an userid, please <u>Register</u> now.	Software download FAC
ducts and	Rational Rhapsody Evaluation	Iooking for?
rs, and	Product overview Provides complete model-driven-development environment for technical, real-time, or embedded systems	→ <u>View our FAQ's</u>
tification	Operating system Red Hat Entrprs Linux (RHEL) Dsktp, Red Hat Entrprs Linx RHEL Base Srvr, Red Hat Entrprs Lnx RHEL Adv Pltfrm, SUSE Linux Enterprise Desktop(SLED), SUSE Linux Enterprise Server (SLES), Windows 7 Enterprise, Windows 7 Home Premium, Windows 7 Professional, Windows 7 Starter, Windows 7 Ultimate, Windows 8 Enterprise, Windows 8 Pro, Windows 8 RT, Windows Server 2008 DataCenter Ed, Windows Server 2008 Enterprise Ed, Windows Server 2008 Standard Ed, Windows Server 2012 Datacenter, Windows Server 2012 Standard	Related resources → Software Evaluation Kit (S → IBM software early program
artners	Version 8.1.1	
	Language English 🗘	

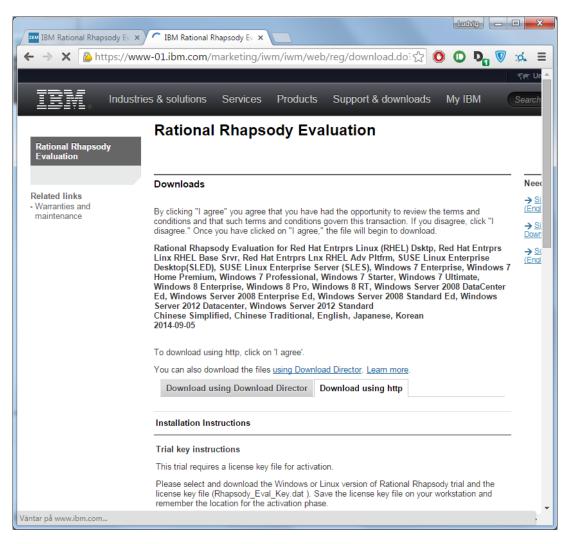
If you do not already have an IBM ID, click on "Get an IBM ID". Otherwise, skip this step and continue with signing in. Once you're done with creating your IBM ID, sign in.

IBM Rational Rhapsody ← → C A https:/		narketing/iwm/iwm/web	/preLogin.do?pkgir숬	
	ustries & solutions	Services Products	Support & downloads	ited States Welcome [IBM A
Rational Rhapsody Evaluation	Rational	Rhapsody Eva	luation	
	Returning vi	sitors	Not registered?	
Related links - Warranties and maintenance	-	e-mail address)*	If you do not have a universe of the second	
	\rightarrow Forgot your IB \rightarrow Get an IBM ID		To find out more about th an IBM Registration ID, v <u>and FAQ</u> .	
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Connect with us	Key topics	Information for	Try & buy	About IBM
 Create IBM id Communities 	Smarter Planet	 C-suite executives Industries 	 IBM Cloud marketplace Cloud solutions 	 Latest news IBM's blog
 Communities Academic collaboration 	■ Analytics ■ Big Data	Industries Managed & Cloud	 Cloud solutions Bluemix 	 IBM's blog IBM's Centennial
 IBM Research THINKLab 	= IBM Cloud	Services Providers	 SoftLayer Cloud 	 IBM Research
IBMers past and present	IBM PureSystems	Developers	Offer your service	Case studies
IBM Voices	Mobile Enterprise	IBM Business Partners	Find a sales rep	 Corporate responsibility
	IBM Security	 Investors Job seekers 	Find a Business Partner	Employee directory
www.ibm.com/products/us/en	Social Business /?lnk=mpr-0-usen	= VOD SCOREIS	Financing	More about IBM

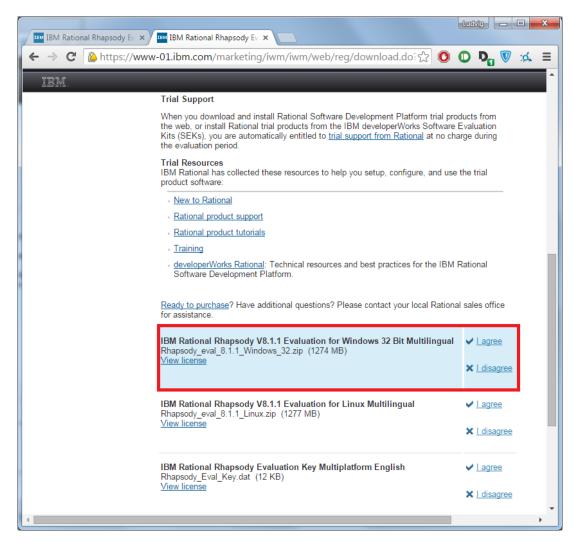
State your reason for downloading, scroll down, and click "Continue".



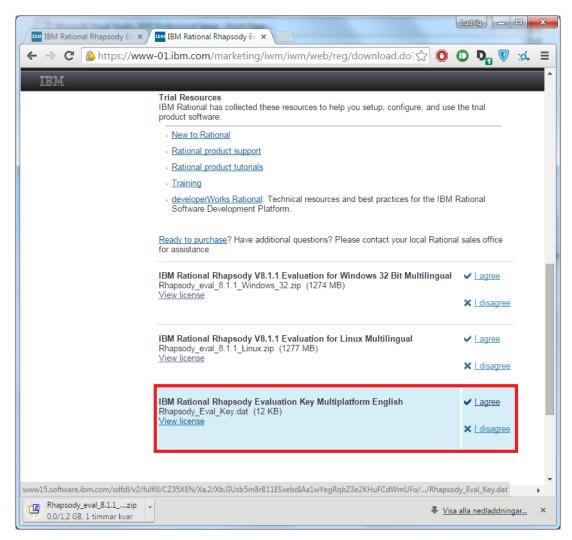
You will be presented by different downloading methods, choose the method which suits you best. For this tutorial, downloading was done using http.



To download the software, click on "I agree" on the IBM Rational Rhapsody V8.1.1 Evaluation for Windows 32 Bit Multilingual section.



To download the license key data file, click on "I agree" on the IBM Rational Evaluation Key Multiplatform English section.



Wait for the installation files to finish downloading.

3.2 Installing Rational Rhapsody

When the installation files are downloaded, right-click the .zip file and choose "Extract All...". Follow the instructions and choose a suitable location for the installation files.

Compute	er 🕨 Remov	able [Disk (H:) 🕨 🔻 🔩	Se	arch Removable I	Disk (H	<i>1:)</i>	Q
Organize 🔻 🛛 😭 Open	▼ Bur	n	New folder			:	• [
🔆 Favorites	Name		<u>^</u>		Date modified		Туре	
🧮 Desktop	🔁 Instal	lling F	Rational Rhapsody Developer.p	pdf	2010-09-23 12:46	ō	Adob	e Acrobat D.
🚺 Downloads	🚺 ratIRI	nanso	dv 8.1.1 Windows 64.zin		2015-06-1515:54		Comr	ressed (zipp
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Music			7-Zip				•	
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			Create shortcut					
	•		Delete					•
ratlRhapsody_	8.1.1_Windo		Rename					
Compressed (zi			Properties					

When the unzipping process is complete, find the .msi file, likely named IBM Rational Rhapsody 8.1.1.msi. Double click it to start the installation process.

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Organize 👻 👸 Install	✓ Share with ▼ Burn New fold	ler 🗄	- 1 0
☆ Favorites	Name	Date modified	Туре
📃 Desktop	2052.mst	2014-08-13 14:39	MST File
🗼 Downloads	📑 ATG.cab	2014-08-13 14:20	Cabinet File
🖳 Recent Places	Automo~1.cab	2014-08-13 14:21	Cabinet File
	📑 Automo~2.cab	2014-08-13 14:22	Cabinet File
门 Libraries	Docume~1.cab	2014-08-13 14:23	Cabinet File
Documents	🔠 Gateway.cab	2014-08-13 14:24	Cabinet File
J Music	🔂 IBM Rational Rhapsody 8.1.1 64bit.msi	2014-08-13 14:40	Windows Instal
Pictures	Rhapso~1.cab	2014-08-13 14:34	Cabinet File
📑 Videos	闣 Rhapsody.cab	2014-08-13 14:34	Cabinet File
	🚆 RulesC~1.cab	2014-08-13 14:36	Cabinet File
👰 Computer	闣 Samples.cab	2014-08-13 14:38	Cabinet File
🏭 Local Disk (C:)	🐸 setup.exe	2014-08-13 14:20	Application
🚗 Removable Disk (H:)	🐑 Setup.ini	2014-08-13 14:40	Configuration :
	📓 System~1.cab	2014-08-13 14:38	Cabinet File 🗧
📬 Network	📑 System~2.cab	2014-08-13 14:38	Cabinet File
	🚆 TestCo~1.cab	2014-08-13 14:39	Cabinet File
	🗎 Visual~1.cab	2014-08-13 14:39	Cabinet File
	🔠 Visual~2.cab	2014-08-13 14:39	Cabinet File 👻
	•		F.
IBM Rational R Windows Install	hapsody 8.1.1 64bit.msi Date modified: 2014 er Package Size: 19,8		

BM Rational Rhapsody 8	.1.1 64bit - InstallShield Wizard
IBM.	Welcome to the InstallShield Wizard for IBM Rational Rhapsody 8.1.1 64bit
	The InstallShield(R) Wizard will install IBM Rational Rhapsody 8.1.1 64bit on your computer. To continue, click Next.
	Software / hardware requirements Release notes
	Migration guide WARNING: This program is protected by copyright law and international treaties.
	< Back Next > Cancel

In the introductory dialogue of the installation process, click "Next".

Read and accept the license agreement by choosing the appropriate checkbox and clicking "Next".

📅 IBM Rational Rhapsody 8.1.1 64bit - InstallShield Wizard	x
Software License Agreement	
Please read the following license agreement carefully.	
IMPORTANT: READ CAREFULLY	<u>^</u>
Two license agreements are presented below.	
 IBM International License Agreement for Evaluation of Programs IBM International Program License Agreement 	
If Licensee is obtaining the Program for purposes of productive use (other than evaluation, testing, trial "try or buy," or demonstration): By clicking on the "Accept" button below, Licensee accepts the IBM International Program License Agreement, without modification.	Ŧ
I accept the terms in the license agreement. I do not accept the terms in the license agreement. InstallShield	
Print < Back Next > Cancel	

Choose "IBM Rational Rhapsody Developer" and click "Next".

岃 IBM Rational Rhapsody 8.1.1 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 Rational Rhapsody Developer				
IBM Rational Rhapsody Architect for Systems Engineers				
IBM Rational Rhapsody Designer for Systems Engineers				
InstallShield				
< <u>B</u> ack Next > Can	cel			

Mark the checkbox for the C programming language, **unmark all other checkboxes** and click "Next".

谩 IBM Rational Rhapsody 8.1.1 64bit - InstallShield Wizard	X
Choose Languages	
Please select at least one of the following languages	
C++	
Dava Java	
C#	
Maa Ada	
Development environment and RTOS setting	
InstallShield	
< <u>B</u> ack <u>N</u> ext > Cano	iei

Choose an installation folder (default folder works fine), and make sure to mark "Install for All Users" so that each student can use their own login on the computers, then click "Next".

🔡 IBM Rational Rhapsody 8.1.1 64bit - InstallShield Wizard
Destination Folder Click Next to install to this folder, or click Change to install to a different folder.
Install IBM Rational Rhapsody 8.1.1 64bit to: C:\Program Files\IBM\Rational\Rhapsody\8.1.1\
Install for All Users Install all Rhapsouv files in one location Rhapsody installs all application file under C:\Program Files\IBM\Rational\Rhapsody\8.1.1
and all Workspace files (files that needs read/write permissions) to C:\Users\admin\IBM\Rational\Rhapsody\8.1.1x64. You can avoid this split by selecting the above checkbox. However, if you do so, you have to make sure the installation directory has read/write permission
* For Windows 2008 Server Citrix installation, it is highly recommended to install all files to the same location.
InstallShield
< <u>B</u> ack <u>N</u> ext > Cancel

Default settings work fine, click "Next".

BM Rational Rhapsody 8.1.1 64bit - InstallShield Wizard	x
Add-on Installation	
Rhapsody Add-ons provide enhanced utilities for your Rhapsody	environment
 Rhapsody Add Ons Rational Rhapsody Gateway Add On - Re Rational Rhapsody XMI Toolkit - XML Meta Rational Rhapsody TestConductor Add O Rational Rhapsody Automatic Test Gener Rational Rhapsody Rules Composer Add (Automotive, AUTOSAR system authoring Systems Engineering Add On Rational System Architect Interface Microsoft Visual Studio Workflow Integrat 	Feature Description
InstallShield	Next > Cancel

Choose "A client license file, Enter the path to the client license file" and then "Browse" to find the evaluation license file you downloaded, select it, and choose "Next".

병 IBM Rational Rhapsody 8.1.1 - InstallShield Wizard
License Information.
Please choose licensing system.
○ I will supply license information later.
⊘ A Rational license server, Enter the location of the license server.
<pre><port>@<server></server></port></pre>
A Client license file, Enter the path to the client license file.
C:\Users\Ludvig\Downloads\Rhapsody_Eval_Key.dat 🗸
Browse
InstallShield
< <u>B</u> ack <u>N</u> ext > Cancel

Choose to create a desktop shortcut, if you wish. Upon clicking "Install", the installation procedure will take place. It will take a couple of minutes to complete.

📸 IBM Rational Rhapsody 8.1.1 64bit - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Create desktop shortcut
InstallShield
< <u>B</u> ack

After finishing the installation, click "Finish".

闄 IBM Rational Rhapsody 8.3	1.1 64bit - InstallShield Wizard
IBM.	InstallShield Wizard Completed
	The InstallShield Wizard has successfully installed IBM Rational Rhapsody 8.1.1 64bit. Click Finish to exit the wizard.
	Launch IBM Rational Rhapsody 8.1.1 64bit
	< <u>B</u> ack Finish Cancel

4 Preparing the environment for use with Rational Rhapsody

A couple of paths and tools has to be setup correctly in order to get Rational Rhapsody to work. Navigate to the following MSVC10 folder

<Microsoft Visual Studio 2010 root folder>\Common7\Tools

which on a standard installation of corresponds to

C:\Program Files (x86)\Microsoft Visual Studio 10.0\Common7\Tools

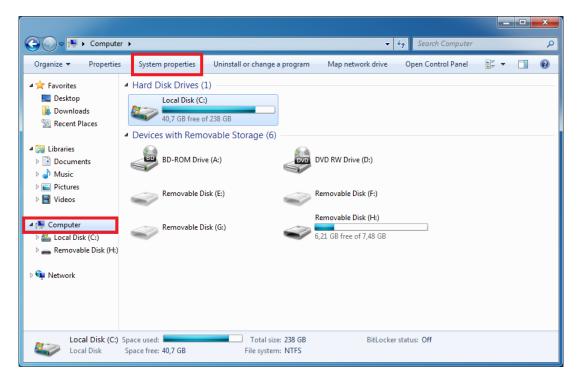
and right-click the file vsvars32.bat, and then choose "Run as administrator".

				Print
Organize 🔻 🗖 Open	Print Burn New folder		۲	Run as administrator
☆ Favorites	Name	Date modified		Troubleshoot compatibility
Desktop	😫 AtlTraceTool8.chm	2009-08-31 03:36		7-Zip
L Downloads	船 AtlTraceTool8.exe	2010-03-19 14:02		CRC SHA
Recent Places	🛃 errlook.exe	2010-03-18 21:11	12	Convert to Adobe PDF
	🔞 errlook.hlp	2009-08-31 03:35	-	Convert to Adobe PDF and EMail
🔚 Libraries	💷 makehm.exe	2010-03-19 14:02		Edit with Notepad++
Documents	Rules2BuildRules.xslt	2009-11-20 18:22		Scan with Microsoft Forefront Endpoint Protection
J Music	Rules2Props.xslt	2009-11-11 20:07		Scan with Microsoft Forenone Endpoint Protection
Pictures	Rules2Targets.xslt	2010-01-13 01:43	1	TortoiseSVN
Videos	😰 spyxx.chm	2009-08-31 03:32		Restore previous versions
_	🚵 spyxx.exe	2010-03-19 14:02		
🖳 Computer	😰 spyxx_amd64.chm	2009-08-31 03:32		Send to
🚢 Local Disk (C:)	🚵 spyxx_amd64.exe	2010-03-19 14:02		Cut
Removable Disk (H:)	🗟 spyxxhk.dll	2010-03-19 14:02		Сору
_	🔊 spyxxhk_amd64.dll	2010-03-19 14:02		
年 Network	🗟 vcconvertengine.dll	2011-02-21 16:04		Create shortcut
	💷 vcupgrade.exe	2010-03-19 14:02	9	Delete
	🗈 vcupgrade.exe.config	2009-08-31 04:59	8	Rename
	KCVarsQueryRegistry.bat	2009-11-15 19:52		Properties
	🚳 vsvars32.bat	2009-11-15 19:52	Wir	ndows Batch File 4 KB

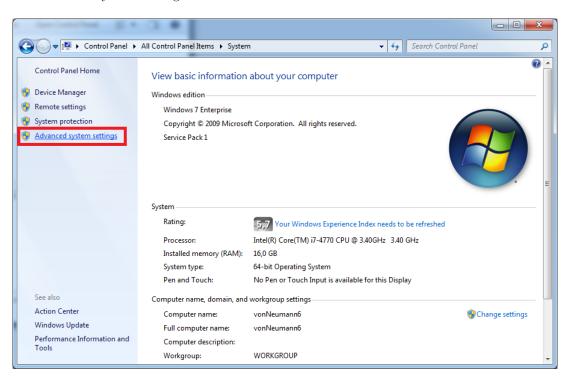
Copy the location of the root folder of MSVC10, if the default installation location was chosen, this will be

C:\Program Files (x86)\Microsoft Visual Studio 10.0

then go to "Computer" and click on "System properties".



Choose "Advanced system settings"



and then choose "Environment Variables".

System Properties					×
Computer Name	Hardware	Advanced	System Protection	Remote	
You must be log	ged on as a	an Administrat	or to make most of t	hese chang	jes.
Performance	mcessors	chedulina m	emory usage, and vir	tual memor	
		onodaling, m	anory adago, and vi		,
				Settings	
User Profiles					
Desktop setting	is related to	o your logon			
				S <u>e</u> ttings	
- Startup and Re	covery				
System startup,	system fail	ure, and deb	ugging information		
				Settings	
			Environme	ent Variable	s
		ОК	Cancel		oply

Choose "New" under "System variables"

Variable	Value
TEMP	%USERPROFILE%\AppData\Local\Temp
TMP	%USERPROFILE%\AppData\Local\Temp
	New Edit Delete
	<u>N</u> ew <u>E</u> dit <u>D</u> elete
ystem variables	<u>N</u> ew <u>E</u> dit <u>D</u> elete
	New <u>E</u> dit <u>D</u> elete
Variable	
Variable ComSpec	Value C:\Windows\system32\cmd.exe
ystem variables Variable ComSpec FP_NO_HOST_C INTEL_DEV_RED	Value C:\Windows\system32\cmd.exe
Variable ComSpec FP_NO_HOST_C	Value C:\Windows\system32\cmd.exe NO

and create a new system variable, the variable name should be VS_2010_PATH and the value should be the path to the MSVC10 root folder that you copied earlier. Enter the information and press OK.

New System Variable	. <u>x</u>	
Variable <u>n</u> ame:	VS_2010_PATH	
Variable <u>v</u> alue:	'am Files (x86)\Microsoft Visual Studio 10.0	
	OK Cancel	

The installation process should now be complete. Follow the step-by-step tutorial provided in the lab instructions to verify the installation.