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Author:Md Sarfaraz Khan	Version: 5.6	Date: 2013-02-01

ZUG Installation Guide

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Revision History

Ver.	Date	Name	Description of Changes
1	2010-09-20	Nitish Rawat	First Revision
2	2010-09-29	Dipayan Sengupta	Revised Edition
3	2010-03-10	Nitish Rawat	Revised Edition
4	2010-12-02	Nitish Rawat	Revised Edition
5	2011-08-30	Sankha Sil	Revised Edition
6	2011-01-05	Sankha Sil	Revised Edition
7	2012-10-11	Dipayan Sengupta	Updated SnapShots
8	13-01-02	Md Sarfaraz Khan	Added a trouble shooting, JRE dependence

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1 Introduction

Zug is Automature's software test automation tool. Zug provides an execution environment for tests specified using CHUR. Zug can be run on any environment that supports the Java Runtime Environment.

1.1 Document Purpose

The installation guide walks you step-by-step through installation of Zug. It gives troubleshooting information for installers. Once you install the tool, you can execute automated tests written in the spreadsheet based Chur automation language. To get further information refer <u>ZUG Forum</u> and can be found in the installation directory as ZUG Release Notes.txt

1.2 Intended Audience

This is intended for people who would be running test-cases written in Chur on Zug execution environment. Zug results can be further integrated with Zermatt.

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2 System Requirements

Before running ZUG on a computer, it has to meet some basic requirements:

- Operating System Microsoft Windows XP or higher
- **Software** Microsoft Windows Installer 3.1(required only for Windows XP)

http://www.microsoft.com/downloads/en/details.aspx?familyid=889482fc-5f56-4a38-b838-de776fd4138c&displaylang=en

Java(TM) SE Runtime Environment 1.6

http://www.oracle.com/technetwork/java/javase/downloads/index.html

Microsoft .Net Framework v3.5

http://www.microsoft.com/downloads/en/details.aspx?FamilyID=d0e5dea7ac26-4ad7-b68c-fe5076bba986

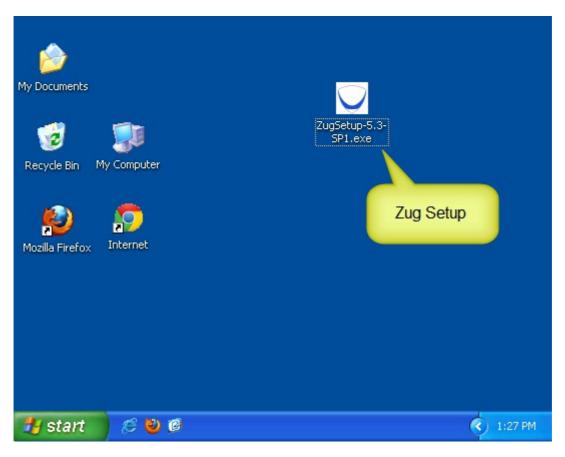
记 Java Setup - Complete		
Javar	ORACLE	
You have successfully installed Java.		
Java updates will automatically be downloaded to provide you with the latest features and security improvements. To change this, see http://java.com/autoupdate		
	Close	
Nicrosoft .NET Framework 3.5 SP1 (Beta) Setup		
Setup Complete	mework	
Microsoft .NET Framework 3.5 SP1 (Beta) has been installed succes	ssfully.	
updates for this product. For more information, see <u>Windows Update</u>	e packs and security	

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3 Installation Instructions

3.1 Zug installer download

Download the Setup of the latest ZUG package from the Automature FTP site. Please fill up contact information form if needed.



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3.2. Initialization of Zug installation

Double Click on the Zug installer icon. The set up starts automatically. The following screen appears.



Click on Next. You will be able to view the EULA. If you agree to it, click on I Agree button. If you have any queries regarding EULA, kindly email us at <u>sales@automature.com</u>.

Automature-ZUG 5.3 Setup	_ 🗆 🗙
License Agreement Please review the license terms before installing Automature-ZUG 5.3.	Q
Press Page Down to see the rest of the agreement.	
ZUG END USER LICENSE AGREEMENT NOTICE: BY DOWNLOADING AND INSTALLING, COPYING OR OTHERWISE L SOFTWARE, YOU AGREE TO BE BOUND BY THE TERMS OF THIS ZUG END US AGREEMENT ("EULA"). IF YOU DO NOT AGREE TO THE TERMS OF THIS EUL NOT DOWNLOAD, INSTALL, COPY OR USE THE SOFTWARE, AND YOU MAY F UNUSED SOFTWARE TO THE VENDOR FROM WHOM YOU ACQUIRED IT WIT (30) DAYS AND REQUEST A REFUND OF THE LICENSE FEE, IF ANY, ALREAD UPON SHOWING PROOF OF PAYMENT. "YOU" MEANS THE NATURAL PERSO ENTITY THAT IS AGREEING TO BE BOUND BY THIS EULA, THEIR EMPLOYEES PARTY CONTRACTORS THAT PROVIDE SERVICES TO YOU. YOU SHALL BE L ANY FAILURE BY SUCH EMPLOYEES AND THIRD PARTY CONTRACTORS TO C	ER LICENSE A, YOU MAY XETURN THE HIN THIRTY Y PAID N OR THE AND THIRD IABLE FOR
If you accept the terms of the agreement, dick I Agree to continue. You mus agreement to install Automature-ZUG 5.3.	t accept the
Nullsoft Install System v2.46	Cancel

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Choose the Java Runtime Environment Path.

Automature-ZUG 5.3 Setup	
Java Install Directory Choose Install Location of Java in your machine.	\bigcirc
Java Runtime Environment Path:*	
C:\Program Files (x86)\Java\jre6	Browse
* If you do not have Java installed in your machine, then please in and run the installer again.	nstall JRE 1.6 or above first
Nullsoft Install System v2.46	Next > Cancel

Choose the Destination path for installation of Zug.

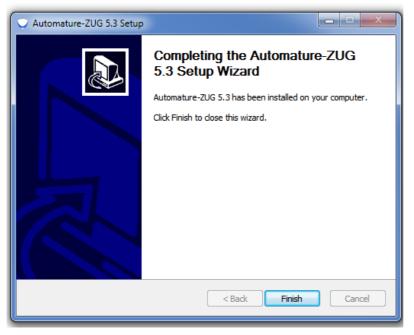
Automature-ZUG 5.3 Setup			
Choose Install Location Choose the folder in which to install Automature-ZUG 5.3.	\bigcirc		
Setup will install Automature-ZUG 5.3 in the following folder. To install in a different folder, dick Browse and select another folder. Click Install to start the installation.			
Destination Folder C:\Program Files (x86)\Automature E	rowse		
Space required: 14.6MB Space available: 44.8GB			
Nullsoft Install System v2.46 —	Cancel		

The set up is automatically installed from this point. If you face any problem during the installation kindly contact us at support@automature.com

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3.3 Completion of Installation

The following screen will appear once the installation is complete. This means that Zug can be run from anywhere in the command prompt window, one does not need to be in the Zug directory.



Kindly email the file Config.txt (which is created automatically in your Zug folder) to <u>sales@automature.com</u> to receive the copy of license for Zug (not for trial version).

3.4 Version Verification

Open a new command prompt window and type: runZUG.bat -version or runzug -v.

This is to verify that the correct version of ZUG has been installed. The version number displayed should match the version number of the package that you downloaded but it will show only if the Licence key is there in the installation directory.

It Promts for No License.key. As in the Screen Shot.

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C:\Windows\system32\cmd.exe

C:\Users\automature7>runzug -v Automation Started

Controller/Main : Validating Command Line Arguments Zug License.key file not found Controller/main : Failed to validate your License copy Message : null

Automation Finished.

C:\Users\automature7>_

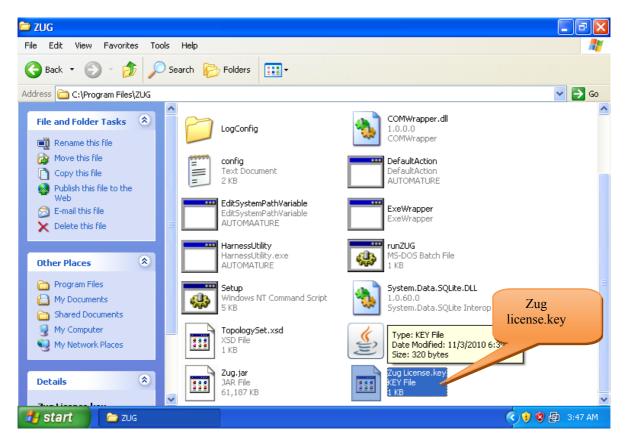
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4. License Activation

Once you have successfully installed Zug in your machine, you will have to activate your License in order to use Zug.

Steps to activate your license:

- ³⁵ Download the file Zug license.key, which is provided to you in the email address which you had given in your contact information.
- ³⁵₁₇ Place the file in the Zug folder where you installed.



After Putting the file in the directory it can be checked that what is its version.

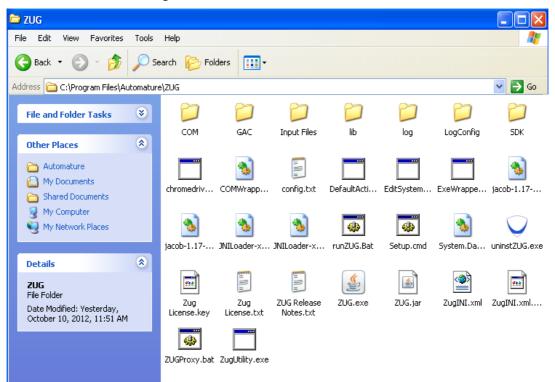
C:\Windows\system32\cmd.exe
D:∖>runzug -v Automation Started
Current date is : 2012-10-11 Expiry date is : 2012-11-15 Zug is Valid Automature LLC. ZUG Premium 5.3.20121002.102
Automation Finished.

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5 Uninstalling Zug

Click on the un-installation icon **uninstZug.exe** that is present in the Zug installed directory. Zug will be uninstalled automatically.

You can also un-install Zug from Contol Panel as well.



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Troubleshooting the Installation

If you see the following errors do the following:

³⁵₁₇ The prompt appears when running ZugSetup.exe

```
This application has failed to start because mscoree.dll was not found. Re-installing the application may fix this problem.
```

Solution: This is caused when installer is not able to register ZUG API dll. The solution is to install .Net Framework v3.5

³⁵ ¹⁷ Error message comes up on installation saying

Solution: This is because Microsoft .Net Framework v3.5 folder is missing. The solution is to check and re-install Microsoft Framework v3.5

³⁵ ZugSetup.exe executed successfully, but the error message comes up when doing runZUG.bat.
 The error message is

```
Error opening registry key 'Software\JavaSoft\Java Runtime Environment'
Error: could not find java.dll
```

Error: could not find java SE Runtime Environment

Solution: This is because JRE is missing in system registry. The solution to this is installing required JRE again.

³⁵ License key not found in proper place

🔁 ZUG			_ 7 🗙
File Command Prompt		_ 🗆 🗙	
License not found in proper please avail your license from	lace.) www.automature.com	▲	
Add C:\Program Files\ZUG>_			💙 🄁 Go
	Windows NT Command Script 5 KB	1.0.60.0 System.Data.SQLite Interop Li	
Details 🙁	TopologySet.xsd XSD File 1 KB	ZUG Java(TM) Platform SE binary Sun Microsystems, Inc.	
ZUG File Folder Date Modified: Today, December 07, 2010, 3:45 AM	Zug.jar JAR File 61,187 KB	Summerosystems, and	▼
🛃 start 🗁 ZUG	Command Prompt	() () () () () () () () () () () () () (🦻 🖶 3:51 AM

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Solution: The license key given to you by email needs to be placed in the folder where Zug is installed. Kindly have a look at the License Activation topic.

• ZugINI.xml configuration

Zug3.0 version now can call the external java jar files as builtin atoms through chur spreadsheet. To make it happen the ZugINI.xml parsing is need. Inside the Zug installation directory the ZugINI.xml file can be edited to by putting the values in the tags of

<inprocesspackages>

<inprocesspackage name="">

<file-path></file-path>

<jar-package></jar-package>

<class-name></class-name>

</inprocesspackage>

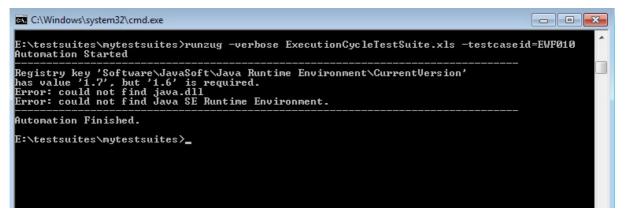
</inprocesspackages>

if no value is written then it will show a warning message while running the ZUG automation.

If ZUOZ is installed after ZUG installation then this part will be configured by ZUOZ installer.

• JRE Dependency

If the JRE is updated from java 1.6 to java 1.7 after installing ZUG then ZUG will stop working and it will give an error message similar to the message given below



Solution: Reinstalling ZUG will fix the problem

³⁵ For further problems visit $\underline{ZUG Forum}$.