Test Netbeans with JDK9 on Windows 10 step by step

If you want to **test Netbeans** from lastest source code **with Java9**, this screenshots tutorial shows step by step how to build Netbeans from source code and test the JShell come from JDK9 with your snippets of code.

All you need is:

- JDK9 installed on Windows
- Source code from Github
- Netbeans 8 installed

Install Netbeans 8 from old page downloads https://netbeans.org/downloads/. Honestly, you only need apache Ant, Java and Github, but with instalation of Netbeans you get all out of the box.

Install JDK9 from http://www.oracle.com/technetwork/java/javase/downloads/index.html

Clone source code of Development Version of Netbeans https://github.com/apache/incubator-netbeans

NetBeans IDE 8.2 ile Edit View Navigate Source Refactor Run Debug Profile	Team Tools Window Hel	p
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Shelve Changes >	K • (h • m)
Projects × Files Services	Git >	Clone
	Mercurial	Initialize Repository
	Subversion >	Repository Browser
	History	Open Global Configuration
	Find Tasks	
	Report Task	
	Create Build Job	

From GitHub to your local folder

0	Clone Repository				×
Ste	ps	Remote Repos	itory		
1.	Remote Repository	Specify Git Repos	itory Location:		
3.	Destination Directory	Repository URL:	https://github.com/apache/incubator-netbeans.git		~
			http[s]://host.xz[:port]/path/to/repo.git/		
		User:	(leave blank for anonymous access)		
		Password:	Save Password		
		Proxy Configu	ration		
		Proxy conligu			
		-			
		Specify Destination	on Folder:		
		Clone into: C:\so	ources\netbeans	Vincubator-netbeans	Browse
		(Leav	e empty to specify the destination later)		
	17/11				
			Rady Nevt >	Finish Cancel	Help
			V Daux Next >	Cancel	пер

You get source code of Netbeans in the incubator area of Apache Software Foundation

ombre	Fecha de modifica	Tipo	Tamaño	^
maven.embedder	19/10/2017 19:46	Carpeta de archivos		
mayen grammar	19/10/2017 19:50	Carpeta de archivos		
mayen graph	19/10/2017 19:50	Carpeta de archivos		
mayen.hints	19/10/2017 19:50	Carpeta de archivos		
mayen.htmlui	19/10/2017 19:50	Carpeta de archivos		
mayen.indexer	19/10/2017 19:46	Carpeta de archivos		
mayen.indexer.ui	19/10/2017 19:46	Carpeta de archivos		
maven.junit	19/10/2017 19:50	Carpeta de archivos		
maven.junit.ui	19/10/2017 19:50	Carpeta de archivos		
maven.kit	19/10/2017 19:50	Carpeta de archivos		
maven.model	19/10/2017 19:46	Carpeta de archivos		
maven.osgi	19/10/2017 19:51	Carpeta de archivos		
maven.persistence	19/10/2017 19:51	Carpeta de archivos		
maven.profiler	19/10/2017 19:52	Carpeta de archivos		
maven.refactoring	19/10/2017 19:51	Carpeta de archivos		
maven.repository	19/10/2017 19:51	Carpeta de archivos		
maven.search	19/10/2017 19:51	Carpeta de archivos		
maven.spring	19/10/2017 19:51	Carpeta de archivos		
mercurial	19/10/2017 19:43	Carpeta de archivos		
mylyn.util	19/10/2017 19:41	Carpeta de archivos		
nashorn.execution	19/10/2017 19:51	Carpeta de archivos		
nbbuild	19/10/2017 20:10	Carpeta de archivos		
nbi	18/10/2017 16:44	Carpeta de archivos		
nbjunit	19/10/2017 19:40	Carpeta de archivos		
net.java.html	18/10/2017 16:44	Carpeta de archivos		
net.java.html.boot	18/10/2017 16:44	Carpeta de archivos		
net.java.html.boot.fx	18/10/2017 16:44	Carpeta de archivos		
net.java.html.boot.script	18/10/2017 16:44	Carpeta de archivos		
	10/10/2017 12.42	C		

Open nbbuild proyect in your Netbeans 8



Right click on build.xml of proyect and run ant build-nozip task

NetBeans Bu	ild System - NetBea	ns IDE 8.2		
File Edit View N	Navigate Source R	efactor Run Del	bug Profile Team Tools Wind	low Help
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	b b c		🔤 🖥 • 🖗 📃	
Projects × File	Services Build System isks for Ant Tasks for Ant Tasks Open Run Target Debug Target Cut Copy Delete Rename Save As Templat History Git Tools Properties	Navigator	build-nozip add-junit all all-commitValidation all-nozip bootstrap build build-jnlp build-nonsigned-nbms build-nosigned-nbms build-source-config build-source-zips build-source-zips build-test-dist build-zip-ml check-javahelpbin check-sigtests-release	• Exp • A b • A
			clean-cluster	verify-all-libs-and-licenses verify-libs-and-licenses
			clean-untracked-files commit-validation	Other Targets >
			create-license-summary display-I10n-list-matches findbugs	Advanced

When the taks build successful, the lastest version of Netbeans is ready to run on your Windows. You can run **ant tryme** and it runs a new Netbeans for you.

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Projects × File	services Navigator Build System asks for Ant Tasks Open Run Target Debug Target Cut Ctrl+X Copy Ctrl+C Delete Suprimir Rename Save As Template History Git Tools Properties	- Image: Ima	 	<pre>e Notifications Usages Java Call Hi Hik ns\hpulld\netDeans\etc\netDeans.import or-netbeans\ide\external\netbeans.exe or-netbeans\ide\external\netbeans64.exe ubator-netbeans\nbbuild\netbeans\bin s\incubator-netbeans\nbbuild\netbeans\bin s\incubator-netbeans\nbbuild\netbeans\bin s\incubator-netbeans\nbbuild\netbeans\bin s\incubator-netbeans\nbbuild\netbeans\bin</pre>
		clean clean-cluster	verify-all-libs-and-licenses verify-libs-and-licenses	<pre>s\incubator-netbeans\nbbuild\netbeans\bin s\incubator-netbeans\nbbuild\netbeans\etc s\incubator-netbeans\nbbuild\netbeans\etc c\\binvild\netbeans\etc s\incubator-netbeans\nbbuild\netbeans\etc s\incubator-netbeans\etc s\incubator-netbeans\etc s\incubator-netbeans\nbbuild\netbeans\etc s\incubator-netbeans\etc s\incubator-</pre>
		commit-validation	Other Targets	<pre>ources\netbeans\incubator-netbeans</pre>
		create-license-summary display-110n-list-matches findbugs	Advanced	s\incubator-netbeans\nbbuild\netbeans\nb utes 51 seconds)

But let's go to run it with Java9 and test the new JShell. Go to file etc/netbeans.conf and change the netbeans jdk home

Windows10 (C:) > sources > netbe	ans > incubator-netbeans > n	bbuild > netbeans >	etc
Nombre	Fecha de modifica	Tipo	Tamaño
netbeans.clusters	19/10/2017 21:54	Archivo CLUSTERS	1 KI
netbeans.conf	19/10/2017 21:54	Archivo CONF	5 KI
netbeans.import	19/10/2017 21:54	Archivo IMPORT	6 KI

🔚 netbeans.conf 🔀

```
29
      # would cause problems.
                                                                                                      ^
 30
     netbeans default userdir="${DEFAULT USERDIR ROOT}/dev"
 31
 32
     netbeans default cachedir="${DEFAULT CACHEDIR ROOT}/dev"
 33
      # Options used by NetBeans launcher by default:
 34
 35
      # (can be overridden by explicit command line switches)
 36
 37
      # Note that default -Xmx is selected for you automatically.
 38
      # You can find these values in var/log/messages.log file in your userdir.
      # The automatically selected value can be overridden by specifying -J-Xmx
 39
 40
      # here or on the command line.
 41
 42
      # If you specify the heap size explicitly, you may also want to enable
 43
      # Concurrent Mark & Sweep garbage collector.
      # (see http://wiki.netbeans.org/FaqGCPauses)
 44
 45
      netbeans default options="-J-client -J-Xss2m -J-Xms32m -J-Dnetbeans.logger.console=true -J-e
 46
 47
 48
      # Default location of JDK:
 49
      # (set by installer or commented out if launcher should decide)
 50
 51
      # It can be overridden on command line by using --jdkhome <dir>
 52
      # Be careful when changing jdkhome.
 53
      # There are two NetBeans launchers for Windows (32-bit and 64-bit) and
      # installer points to one of those in the NetBeans application shortcut
 54
      # based on the Java version selected at installation time.
 56
 57
      netbeans_jdkhome="C:\Program Files\Java\jdk-9"
 58
 59
      # Additional module clusters:
 60
      # using ${path.separator} (';' on Windows or ':' on Unix):
 61
      #netbeans_extraclusters="/absolute/path/to/cluster1:/absolute/path/to/cluster2"
 62
 63
 64
<
                                                                                                    >
Normal text f length : 4.186 lines : 64
                                  Ln:57 Col:47 Sel:46 1
                                                                    Unix (LF)
                                                                                  UTF-8
                                                                                                  INS
```

Run Netbeans Windows executable

Windows10 (C:) > sources > n	etbeans > incubator-netbeans > n	bbuild > netbear	ns ≯ bin
Nombre	Fecha de modifica	Tipo	Tamaño
netbeans	19/10/2017 21:54	Archivo	6 KB
问 netbeans	19/10/2017 21:54	Aplicación	643 KB
🗊 netbeans64	19/10/2017 21:54	Aplicación	1.629 KB

Double click (be carefull that your antivirus don't block Netbeans)



Verify it runs with JDK9 by default

NetBeans IDE Dev 20171019-unknown-revn	
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	Java Platforms
	NetBeans Platforms
	Ant Variables Learn
	Libraries
10/1	Servers
VV1	Cloud Providers
	Templates
Nev	DTDs and XML Schemas
	Palette >
	Plugins
	Options

🗊 Java Platform Manager			×
Use the Javadoc tab to register the API d	ocumentation for yo	our JDK in the IDE.	
Platforme:			
Dava SE	Platform Name:	JDK 9 (Default)	
JDK 9 (Default)	Platform Folder:	C:\Program Files\Java\jdk-9	
	Classes Source	tes Javadoc	
	Platform Module	es:	
	 java.activa java.base java.compi java.corba java.datat java.datat java.datat java.datat java.datat java.loggin java.loggin java.loggin java.mana java.mana java.mana 	ation iler a transfer top ument igement igement.rmi	
Add Platform Remove			
			Close Help

Play with your JShell !!



NetBeans IDE Dev 20171019-unknown-revn	27 <u>—</u> 24		×
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help	Q- Search (Ctrl+I)		
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Start Page 🗙 🗐 Java Shell - JDK 9 (Default) 🗙		<	• 🗆
☞ ■ - ■ - 즉 등 등 등 일 일 ● □ ▶ □ 월 ■ -			
			^ []
2 System Information:			
3 Java version: 9+181			
4 Virtual Machine: Java HotSpot(TM) 64-Bit Server VM 9+181			
5 Classpath:			
6 I C			
7 \sources\netbeans\incubator-netbeans\nbbuild\netbeans\java\modules\ext\nb-mod-jshell-probe.jar			
8 L			
9 [1]-> int a = 2;			
$10 \Box \mid a \Longrightarrow 2$			
11 [2]-> int b = 5;			-
12 - b ==> 5			
$(3) \rightarrow int c = \underline{a} + \underline{b};$			
$14 \Box \mid c => 7$			-
₩ [4]-> ç % a			
16 \$1 => 1			
<pre>17 [5]-> String name = "Netbeans";</pre>			
18 name ==> "Netbeans"			
<pre>9 [6]-> System.out.println(name.toUpperCase());</pre>			
20 [7]->			~
Output - Java Shell - JDK 9 (Default) ×			_
NTTREAMS			^
	1		
		20:7	INS

If you enjoy using Netbeans and you want to get involved in it, continue reading this page How to Participate