

PRE-REQUISITE FOR TRAINING - File Installation



Name ↑ ∨	Modified ~	Modified By $^{\vee}$	File size ∨	Sharing	Activity
apache-maven-3.9.6-bin.zip	🔀 18 hours ago	wilson.tan@inglab.sg	9.07 MB	⊖ి Shared	
Download Link .txt	🗶 18 hours ago	wilson.tan@inglab.sg	451 bytes	⊖ვ Shared	
hazelcast-enterprise-5.3.6.zip	🔀 18 hours ago	wilson.tan@inglab.sg	541 MB	⊖s Shared	
HZ Training Code.zip	🔀 17 hours ago	wilson.tan@inglab.sg	23.9 KB	⇔ Shared	
idealC-2023.3.2.win.zip	🔀 18 hours ago	wilson.tan@inglab.sg	777 MB	్రి Shared	
jdk-17_windows-x64_bin.exe	✗ 18 hours ago	wilson.tan@inglab.sg	154 MB	Shared	

- OR -

```
Download Link:

JDK 17: https://www.oracle.com/java/technologies/downloads --> Select JDK 17 --> Select Windows --> x64 Installer (exe)

Maven: https://maven.apache.org/download.cgi --> Binary zip archive(Row) --> Link(Col)

HazelCast Enterprise: https://hazelcast.com/get-started/download/ --> Hazelcast Platform --> ZIP

IntelliJ IDEA Community: https://www.jetbrains.com/idea/download/?section=windows --> Community Edition --> Select .zip
```

PRE-REQUISITE FOR TRAINING - Verify Installation (Java & Maven)



1 After Extraction and Installation, Open Command Prompt

2 For Java, Enter "java --version"

C:\Users\Inglab>java --version
java 17.0.9 2023-10-17 LTS
Java(TM) SE Runtime Environment (build 17.0.9+11-LTS-201)
Java HotSpot(TM) 64-Bit Server VM (build 17.0.9+11-LTS-201, mixed mode, sharing)

For Maven, Enter "mvn --version"

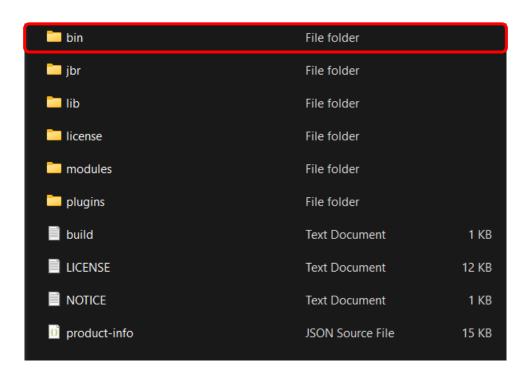
```
C:\Users\Inglab>mvn --version
Apache Maven 3.9.6 (bc0240f3c744dd6b6ec2920b3cd08dcc295161ae)
Maven home: C:\Program Files\Maven\apache-maven-3.9.6
Java version: 17.0.9, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-17
Default locale: en_US, platform encoding: Cp1252
OS name: "windows 11", version: "10.0", arch: "amd64", family: "windows"
```

If it doesn't work, please check with path in the system environment variables.

PRE-REQUISITE FOR TRAINING - Verify Installation (IntelliJ IDEA)



1 After Extraction, Open the file, then Click "bin"



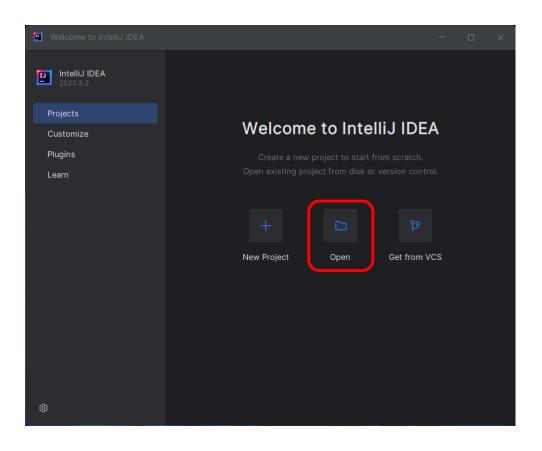
Search for "idea64", then Open it

fsnotifier	Application	137 KB
fsnotifier-wsl	File	24 KB
idea	Windows Batch File	9 KB
🖳 idea	ICO File	307 KB
idea	Properties Source	11 KB
@ idea	Microsoft Edge HT	9 KB
🗓 idea64	Application	930 KB
	• • • • • • • • • • • • • • • • • • • •	
idea64.exe.vmoptions	VMOPTIONS File	1 KB
idea64.exe.vmoptions inspect		
	VMOPTIONS File	1 KB
inspect	VMOPTIONS File Windows Batch File	1 KB 1 KB

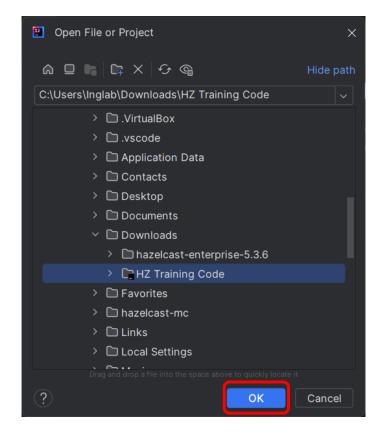
PRE-REQUISITE FOR TRAINING - Open Project with IntelliJ IDEA



1 After opening IntelliJ IDEA, it should prompt this window. Click "Open"



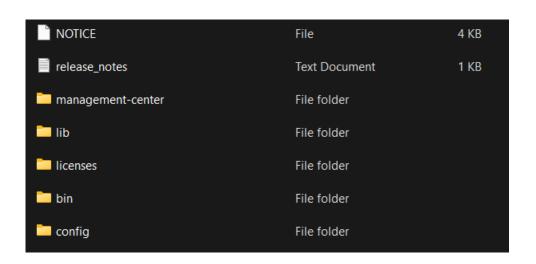
2 Select the **HZ Training Code** File, click "**OK**"



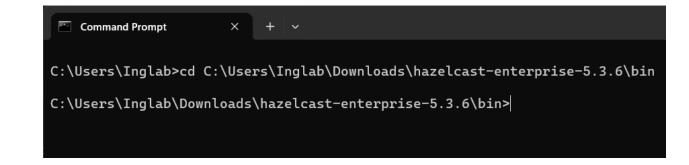
PRE-REQUISITE FOR TRAINING - Open HazelCast



1 Extract and open the folder



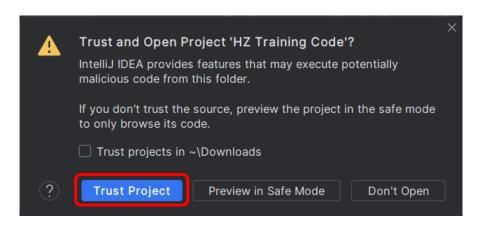
Open **Command Prompt**, and change directory to the folder + "\bin"



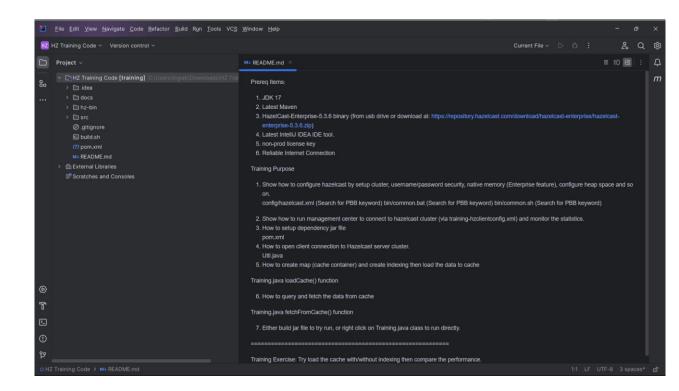
PRE-REQUISITE FOR TRAINING - Open Project with IntelliJ IDEA



3 Click "Trust Project"



The project is opened in IntelliJ IDEA, Well Done.





3

Run "hz-start.bat" (Windows) or "./hz start" (MacOS)

```
C:\Users\Inglab\Downloads\hazelcast-enterprise-5.3.6\bin>hz-start.bat
JAVA_HOME is not set, running Java as 'java'
HAZELCAST_HOME is not set, expecting Hazelcast at 'C:\Users\Inglab\Downloads\hazelcast-enterprise-5.3.6\bin\...'
HAZELCAST_CONFIG is not set, using 'C:\Users\Inglab\Downloads\hazelcast-enterprise-5.3.6\bin\..\config\hazelcast.xml'
# RUN_JAVA=java
# JAVA_OPTS=
                   --add-modules java.se
                                               --add-exports java.base/jdk.internal.ref=ALL-UNNAMED
                                                                                                          --add-opens java.base/java.lang=ALL-UNNAMED
                                                                                                                                                            --add-opens java.base/sun.ni
                      --add-opens java.management/sun.management=ALL-UNNAMED
o.ch=ALL-UNNAMED
                                                                                    --add-opens jdk.management/com.sun.management.internal=ALL-UNNAMED -Dhazelcast.config="C:\Users\Ing
lab\Downloads\hazelcast-enterprise-5.3.6\bin\..\config\hazelcast.xml"
# CLASSPATH="C:\Users\Inglab\Downloads\hazelcast-enterprise-5.3.6\bin\..\lib\*;C:\Users\Inglab\Downloads\hazelcast-enterprise-5.3.6\bin\..\bin\user-lib;C:\Users\Inglab\Downloads\hazelcast-
enterprise-5.3.6\bin\..\bin\user-lib\*;"
Jan 17, 2024 12:16:00 PM com.hazelcast.internal.config.AbstractConfigLocator
INFO: Loading configuration 'C:\Users\Inglab\Downloads\hazelcast-enterprise-5.3.6\bin\..\config\hazelcast.xml' from System property 'hazelcast.config'
Jan 17, 2024 12:16:00 PM com.hazelcast.internal.config.AbstractConfigLocator
INFO: Using configuration file at C:\Users\Inglab\Downloads\hazelcast-enterprise-5.3.6\bin\..\config\hazelcast.xml
Jan 17, 2024 12:16:01 PM com.hazelcast.instance.AddressPicker
INFO: [LOCAL] [dev] [5.3.6] Interfaces is enabled, trying to pick one address matching to one of: [127.0.0.1, 127.0.0.1]
Jan 17, 2024 12:16:01 PM com.hazelcast.instance.AddressPicker
WARNING: [LOCAL] [dev] [5.3.6] Ignoring TCP_KEEPCOUNT. It seems your JDK does not support jdk.net.ExtendedSocketOptions on this OS. Try upgrading to the latest JDK or check with your JDK v
endor.Alternatively, on Linux, configure tcp_keepalive_probes in the kernel (affecting default keep-alive configuration for all sockets): For more info see https://tldp.org/HOWTO/html_sing
le/TCP-Keepalive-HOWTO/. If this isn't dealt with, idle connections could be closed prematurely.
Jan 17, 2024 12:16:01 PM com.hazelcast.instance.AddressPicker
WARNING: [LOCAL] [dev] [5.3.6] Ignoring TCP_KEEPIDLE. It seems your JDK does not support jdk.net.ExtendedSocketOptions on this OS. Try upgrading to the latest JDK or check with your JDK ve
ndor.Alternatively, on Linux, configure tcp_keepalive_time in the kernel (affecting default keep-alive configuration for all sockets): For more info see https://tldp.org/HOWTO/html_single/
TCP-Keepalive-HOWTO/. If this isn't dealt with, idle connections could be closed prematurely.
Jan 17, 2024 12:16:01 PM com.hazelcast.instance.AddressPicker
WARNING: [LOCAL] [dev] [5.3.6] Ignoring TCP_KEEPINTERVAL. It seems your JDK does not support jdk.net.ExtendedSocketOptions on this OS. Try upgrading to the latest JDK or check with your JD
K vendor Alternatively, on Linux, configure tcp_keepalive_intvl in the kernel (affecting default keep-alive configuration for all sockets): For more info see https://tldp.org/HOWTO/html_si
ngle/TCP-Keepalive-HOWTO/. If this isn't dealt with, idle connections could be closed prematurely.
Jan 17, 2024 12:16:01 PM com.hazelcast.system.logo
INFO: [127.0.0.1]:5701 [dev] [5.3.6]
Jan 17, 2024 12:16:01 PM com.hazelcast.system
INFO: [127.0.0.1]:5701 [dev] [5.3.6] Copyright (c) 2008-2023, Hazelcast, Inc. All Rights Reserved.
Jan 17, 2024 12:16:01 PM com.hazelcast.system
INFO: [127.0.0.1]:5701 [dev] [5.3.6] Hazelcast Enterprise 5.3.6 (20231109 - ed09932, 9903dc9) starting at [127.0.0.1]:5701
Jan 17, 2024 12:16:01 PM com.hazelcast.system
```

Q&A

Ask Me Anything

