

Menginstall cordova di Windows

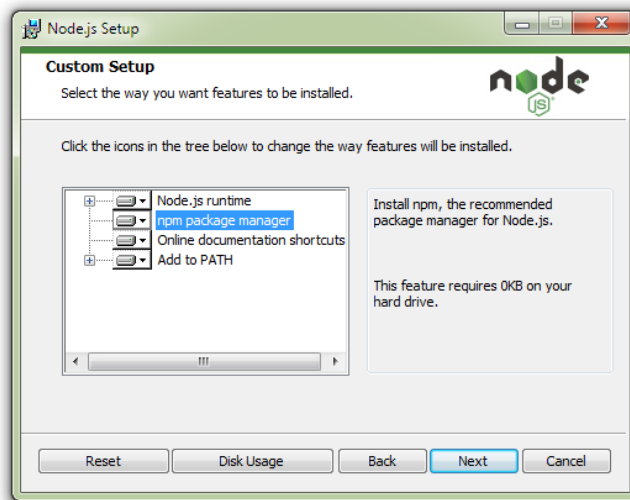
Catatan: Menginstall cordova tidak termasuk kedalam features IMA BuildeRz, jadi tidak ada dukungan untuk itu.

1. Download installer dari: <https://nodejs.org/en/download/>

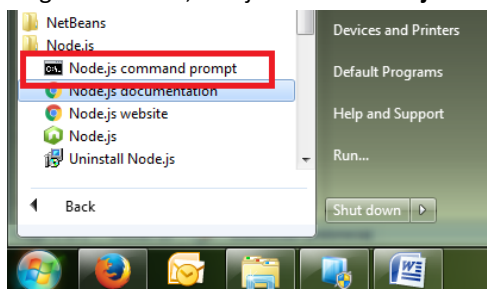
Download the Node.js source code or a pre-built installer for your platform, and start developing today.

The screenshot shows the Node.js download page with three main sections: LTS (Recommended For Most Users), Current (Latest Features), and a list of download options. The download options are categorized by platform: Windows Installer (node-v6.10.3-x84.msi), Macintosh Installer (node-v6.10.3.pkg), and Source Code (node-v6.10.3.tar.gz). Under the Windows Installer section, there are two rows of options: 32-bit and 64-bit. The 32-bit and 64-bit options in the first row are highlighted with a red box. Below the download options, there are links for Windows Installer (.msi), Windows Binary (.zip), macOS Installer (.pkg), macOS Binaries (.tar.gz), Linux Binaries (x86/x64), Linux Binaries (ARM), and Source Code.

2. Jalankan installer sampai selesai, tolong di ingat dimana folder nodejs di install.



3. Pergi Start Menu, dan jalankan "Node.js command prompt"



4. Ketik perintah dibawah ini pada window untuk meninstall cordova:
npm install -g cordova --save

```

C:\Users\IHSANA>npm install -g cordova --save

```

```

readable-stream@~1.0.24' but will load
npm WARN unmet dependency C:\guiCordova\nodejs\node_modules\readable-stream,
npm WARN unmet dependency which is version 2.1.5
cordova@7.0.1 C:\guiCordova\nodejs\node_modules\cordova
├── editor@1.0.0
├── q@1.0.1
├── nopt@3.0.1 (abbrev@1.1.0)
├── configstore@2.1.0 (os-tmpdir@1.0.2, object-assign@4.1.1, graceful-fs@4.1.11,
├── uuid@2.0.3, xdg-basedir@2.0.0, osenv@0.1.4, dot-prop@3.0.0, write-file-atomic@1
├── update-notifier@0.5.0 (is-npm@1.0.0, semver-diff@2.1.0, configstore@1.4.0, s
├── string-length@1.0.1, chalk@1.1.3, repeating@1.1.3, latest-version@1.0.1)
├── cordova-common@2.0.3 (cordova-registry-mapper@1.1.15, unorm@1.4.1, q@1.5.0,
├── semver@5.3.0, underscore@1.8.3, ansi@0.3.1, osenv@0.1.4, shelljs@0.5.3, bplist-p
├── parser@0.1.1, glob@5.0.15, minimatch@3.0.4, elementtree@0.1.6, plist@1.2.0)
├── insight@0.8.2 (object-assign@4.1.1, async@1.5.2, node-uuid@1.4.8, lodash.deb
├── ounce@3.1.1, tough-cookie@2.3.2, configstore@1.4.0, chalk@1.1.3, os-name@1.0.3,
├── request@2.81.0, inquirer@0.10.1)
├── cordova-lib@7.0.1 (valid-identifier@0.0.1, opener@1.4.2, unorm@1.4.1, unders
├── core@1.8.3, semver@5.3.0, shelljs@0.3.0, properties-parser@0.3.1, dep-graph@1.1.
├── plist@2.0.1, nopt@4.0.1, elementtree@0.1.6, glob@7.1.1, xcode@0.9.3, cordova-
├── serve@1.0.1, init-package-json@1.10.1, tar@2.2.1, aliasify@2.1.0, cordova-fetch@
├── 1.1.0, request@2.79.0, cordova-js@4.2.1, cordova-create@1.1.1, npm@2.15.12)
C:\Users\IHSANA>

```

5. Download JDK dari <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

Java SE Development Kit 8u131

You must accept the Oracle Binary Code License Agreement for Java SE to download this software.

Accept License Agreement Decline License Agreement

Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	77.87 MB	jdk-8u131-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	74.81 MB	jdk-8u131-linux-arm64-vfp-hflt.tar.gz
Linux x86	164.66 MB	jdk-8u131-linux-i586.rpm
Linux x86	179.39 MB	jdk-8u131-linux-i586.tar.gz
Linux x64	162.11 MB	jdk-8u131-linux-x64.rpm
Linux x64	176.95 MB	jdk-8u131-linux-x64.tar.gz
Mac OS X	226.57 MB	jdk-8u131-macosx-x64.dmg
Solaris SPARC 64-bit	139.79 MB	jdk-8u131-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	99.13 MB	jdk-8u131-solaris-sparcv9.tar.gz
Solaris x64	140.51 MB	jdk-8u131-solaris-x64.tar.Z
Solaris x64	96.96 MB	jdk-8u131-solaris-x64.tar.gz
Windows x86	191.22 MB	jdk-8u131-windows-i586.exe
Windows x64	198.03 MB	jdk-8u131-windows-x64.exe

6. Kemudian install sampai selesai
7. Download **sdk-tools_xxx.zip** dari <https://developer.android.com/studio/index.html>

Platform	SDK tools package	Size	SHA-256 checksum
Windows	sdk-tools-windows-3859397.zip	132 MB (138,449,982 bytes)	7f6037d3a7d6789b4fdc06ee7af041e071e9860c51f66f7a4eb5913df9871fd2
Mac	sdk-tools-darwin-3859397.zip	82 MB (86,182,133 bytes)	4a81754a760fce88cba74d69c364b05b31c53d57b26f9f82355c61d5fe4b9df9
Linux	sdk-tools-linux-3859397.zip	130 MB (136,964,098 bytes)	444e22ce8ca0f67353bda4b85175ed3731cae3ffa695ca18119cbacef1c1bea0

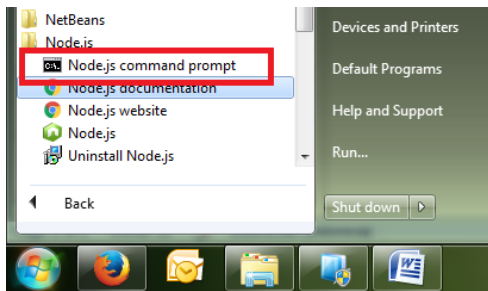
8. Buat folder baru untuk paket Android SDK, misal "**AndroidSDK**", contoh: **D:\AndroidSDK**
9. Ekstrak **sdk-tools_xxx.zip** kedalam folder **AndroidSDK**
10. Kemudian cari file "**nodevars.bat**" di dalam folder nodejs, biasanya "**C:\Program Files (x86)\nodejs\nodevars.bat**"
11. Edit file **nodevars.bat**, gunakan notepad++
Tambahkan kode berikut dibawah "@echo off":

```
set "ANDROID_HOME=C:\Users\IHSANA\AppData\Local\Android\sdk\"
set "JAVA_HOME=C:\Program Files\Java\jdk1.8.0_65\"
set
"PATH=%PATH%;%JAVA_HOME%\bin;%ANDROID_HOME%;%ANDROID_HOME%\tools;%AND
ROID_HOME%\platform-tools;%ANDROID_HOME%\build-tools\25.0.3"
```

```
nodevars.bat
1 @echo off
2
3 set "ANDROID_HOME=C:\Users\IHSANA\AppData\Local\Android\sdk\"
4 set "JAVA_HOME=C:\Program Files\Java\jdk1.8.0_65\"
5 set "PATH=%PATH%;%JAVA_HOME%\bin;%ANDROID_HOME%;%ANDROID_HOME%\tools;%ANDROID_HOME%\platform-tools;%ANDROID_HOME%\build-tools\25.0.3"
6
7 rem Ensure this Node.js and npm are first in the PATH
8 set "PATH=%APPDATA%\npm;%~dp0;%PATH%"
9
10 setlocal enabledelayedexpansion
11 pushd "%~dp0"
12
13 rem Figure out the Node.js version.
14 set print_version=. \node.exe -p -e "process.versions.node + ' (' + process.arch + ')"
15 for /F "usebackq delims=" %%v in (`%print_version%`) do set version=%%v
16
17 rem Print message.
18 if exist npm.cmd (
19     echo Your environment has been set up for using Node.js !version! and npm.
20 ) else (
21     echo Your environment has been set up for using Node.js !version!.
22 )
23
24 popd
25 endlocal
26
27 rem If we're in the Node.js directory, change to the user's home dir.
28 if "%CD%"=="%~dp0" cd /d "%HOMEDRIVE%\%HOMEPATH%"
29
```

Sesuaikan dengan folder di computer anda

12. Klik **Save**.
13. Sekarang kita test, Start Menu, jalankan "**Node.js command prompt**"



14. Sekarang update android sdk anda

```
# sdkmanager "platform-tools" "platforms;android-25"  
"platforms;android-26" "platforms;android-27" "emulator" "tools"  
"build-tools;27.0.3"  
  
# sdkmanager "extras;google;google_play_services"  
"extras;google;m2repository"
```

15. Coba ketik perintah ini:

Test cordova

```
# cordova --version  
# javac -version  
# adb version
```

Test tools untuk signed app

```
# jarsigner  
# zipalign
```

```
ca. Node.js command prompt  
Your environment has been set up for using Node.js 6.10.0  
C:\Users\IHSANA>cordova --version  
7.0.1  
C:\Users\IHSANA>javac -version  
javac 1.8.0_65  
C:\Users\IHSANA>adb version  
Android Debug Bridge version 1.0.36  
Revision fd9e4d07b0f5-android  
C:\Users\IHSANA>
```

16. Sekarang, sekarang kamu bisa mengikuti petunjuk di IMA Builderz **Dashboard** → **How To build?** → 2) **How to build a project with Cordova?**