

VS Code 및 Node.js 설치

다운로드 및 설치 Visual Studio Code

<https://code.visualstudio.com/>

Visual Studio Code Docs Updates Blog API Extensions FAQ Learn

Version 1.53 is now available! Read about the new features and fixes from January.

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Other platforms and Insiders Edition

다운로드 버튼 클릭

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EXTENSIONS: MARKETPLACE

- @sortinstalls
- Python 2019.6.24221 54.9M ★ 4.5
Linting, Debugging (multi-threaded, ...
Microsoft [Install](#)
- GitLens — Git sup... 9.8.5 23.1M ★ 5
Supercharge the Git capabilities built...
Eric Amodio [Install](#)
- C/C++ 0.24.0 23M ★ 3.5
C/C++ IntelliSense, debugging, and ...
Microsoft [Install](#)
- ESLint 1.9.0 21.9M ★ 4.5
Integrates ESLint JavaScript into VS ...
Dirk Baumer [Install](#)
- Debugger for Ch... 4.11.6 20.6M ★ 4
Debug your JavaScript code in the C...
Microsoft [Install](#)
- Language Supp... 0.47.0 18.7M ★ 4.5
Java Linting, Intellisense, formatting, ...
Red Hat [Install](#)
- vscode-icons 8.8.0 17.2M ★ 5
Icons for Visual Studio Code
VSCode Icons Team [Install](#)
- Vetur 0.21.1 17M ★ 4.5
Vue tooling for VS Code
Pine Wu [Install](#)
- C# 1.21.0 15.6M ★ 4
C# for Visual Studio Code (powered ...
Microsoft [Install](#)

src > JS serviceWorker.js > register > window.addEventListener('load') callback

```
39 checkValidServiceWorker(swUrl, config);  
40  
41 // Add some additional logging to localhost, p...  
42 // service worker/PWA documentation.  
43 navigator.serviceWorker.ready.then(() => {  
44  
45   product  
46   productSub  
47   removeSiteSpecificTrackingException  
48   removeWebWideTrackingException  
49   requestMediaKeySystemAccess  
50   sendBeacon  
51   serviceWorker (property) Navigator.serviceWorke...  
52   storage  
53   storeSiteSpecificTrackingException  
54   storeWebWideTrackingException  
55   userAgent  
56   vendor  
57  
58   function registerValidSW(swUrl, config) {  
59     navigator.serviceWorker  
60       .register(swUrl)  
61       .then(registration => {
```

TERMINAL

1: node

You can now view create-react-app in the browser.

Local: http://localhost:3000/
On Your Network: http://10.211.55.3:3000/

Note that the development build is not optimized.

Ln 43, Col 19 Spaces: 2 UTF-8 LF JavaScript

다운로드 및 설치 Visual Studio Code

The image shows a screenshot of the Visual Studio Code website and a Windows taskbar. The website header includes the Visual Studio Code logo, navigation links (Docs, Updates, Blog, API, Extensions, FAQ, Learn), a search bar, and a blue 'Download' button. A banner below the header states 'Version 1.53 is now available! Read about the new features and fixes from January.' The main content area has a green box saying 'Thanks for downloading VS Code for Windows!' with a link to a 'direct download link' and a survey link. Below this is the 'Getting Started' section, which describes VS Code as a lightweight but powerful source code editor. To the right of the main content is a 'GETTING STARTED' sidebar with links like 'VS Code in Action', 'Top Extensions', 'First Steps', 'Keyboard Shortcuts', 'Downloads', 'Privacy', 'Tweet this link', 'Subscribe', 'Ask questions', 'Follow @code', 'Request features', 'Report issues', and 'Watch videos'. The Windows taskbar at the bottom shows a taskbar icon for 'VSCodeUserSetup....exe' highlighted with a red box. A red arrow points from this icon to a black box with white text that says '설치 파일 실행' (Run installation file).

Visual Studio Code Docs Updates Blog API Extensions FAQ Learn Search Docs Download

Version 1.53 is now available! Read about the new features and fixes from January.

Overview

SETUP

GET STARTED

USER GUIDE

LANGUAGES

NODE.JS / JAVASCRIPT

TYPESCRIPT

PYTHON

JAVA

C++

CONTAINERS

AZURE

REMOTE

Thanks for downloading VS Code for Windows!

Download not starting? Try this [direct download link](#). Please take a few seconds and help us improve ... [click to take survey](#).

Getting Started

Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages (such as C++, C#, Java, Python, PHP, Go) and runtimes (such as .NET and Unity). Begin your journey with VS Code with these [introductory videos](#).

Visual Studio Code in Action

```
28
29
30 server.get('/todos', function(req, res, next) {
31   database.getAll(function(todos) {
```

database.js server

GETTING STARTED

VS Code in Action

Top Extensions

First Steps

Keyboard Shortcuts

Downloads

Privacy

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[Subscribe](#)

[Ask questions](#)

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[Request features](#)

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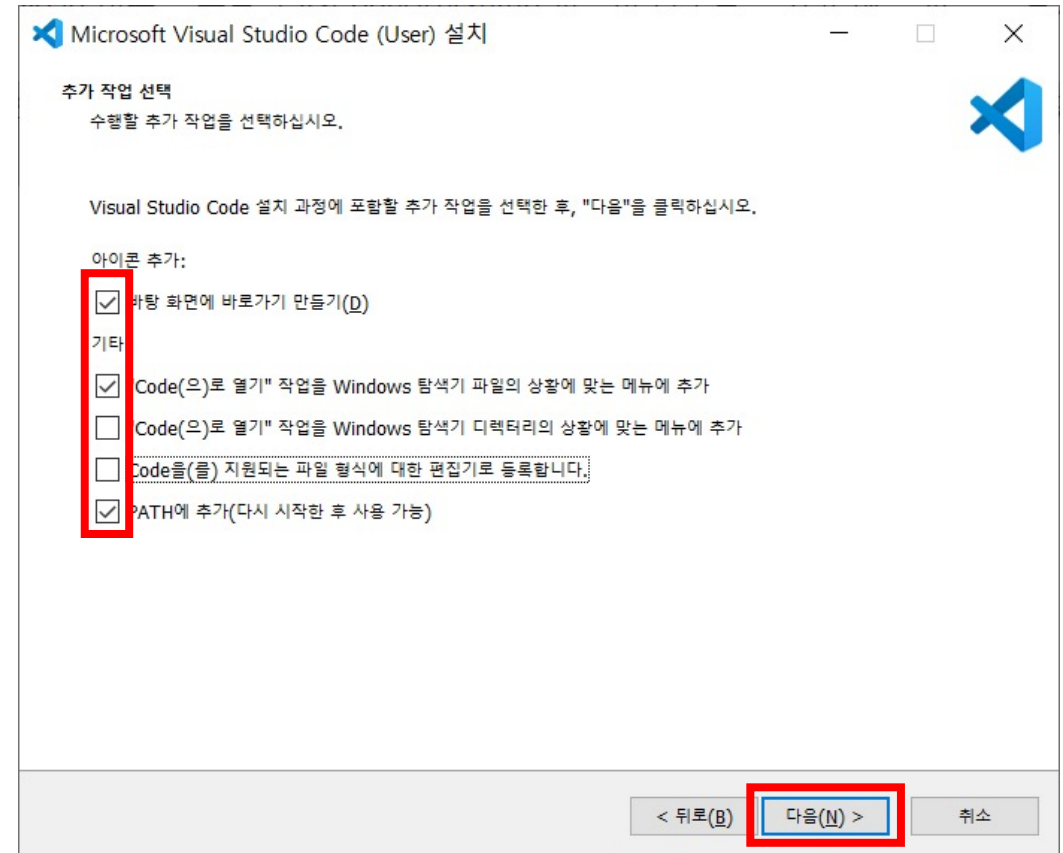
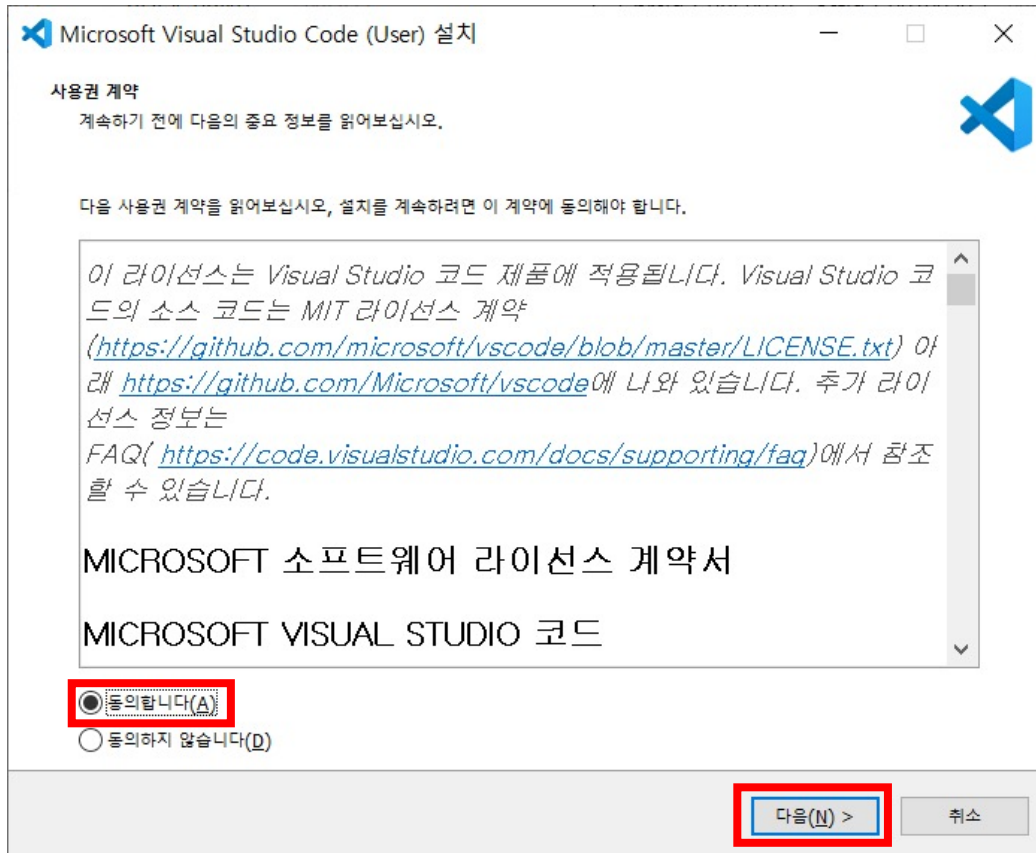
[Watch videos](#)

VSCodeUserSetup....exe

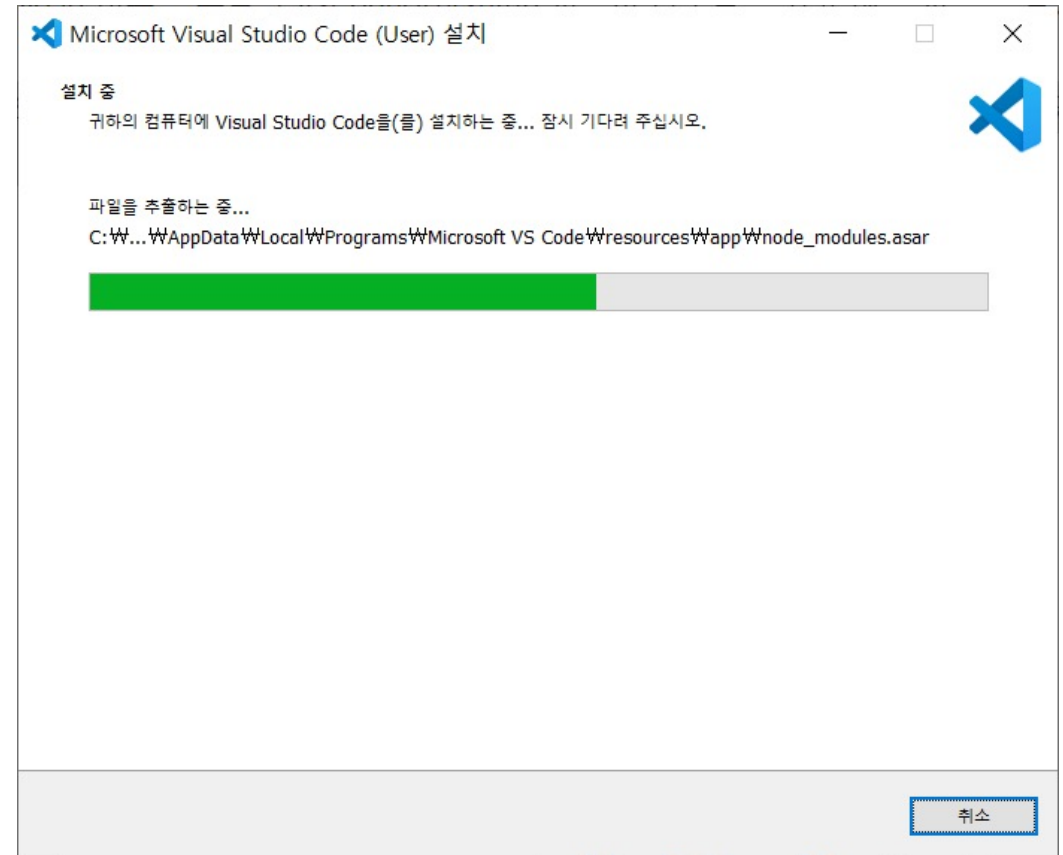
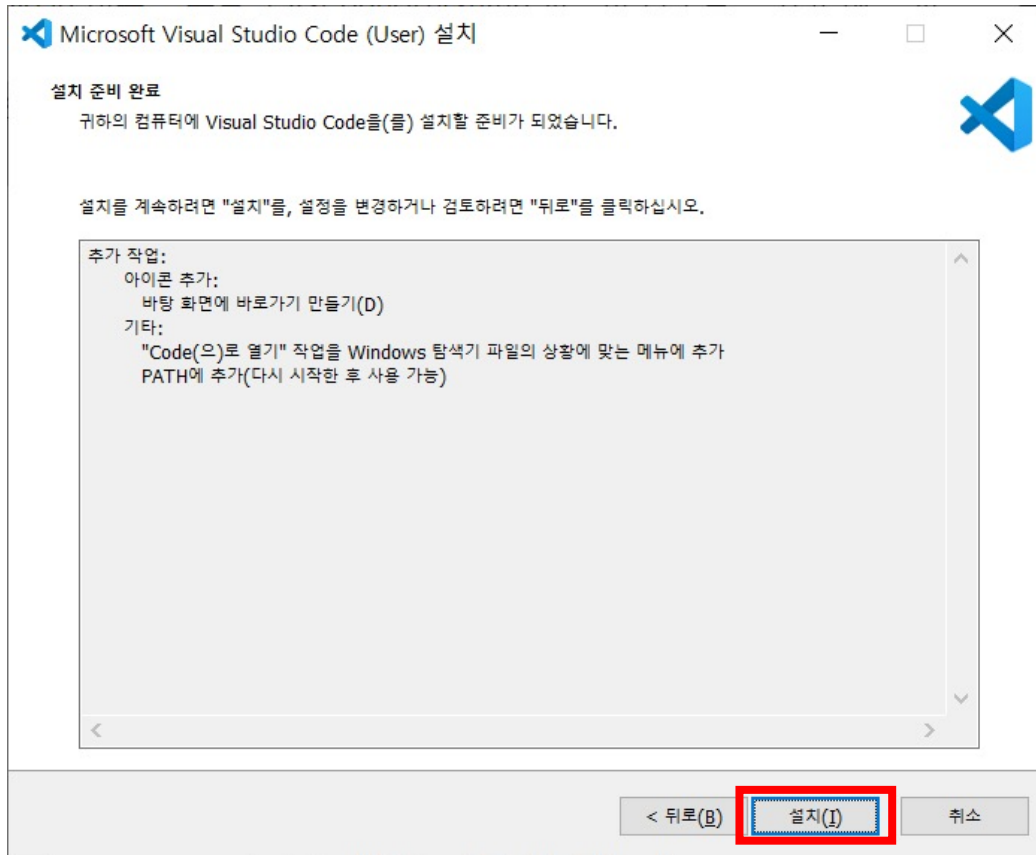
모두 표시

설치 파일 실행

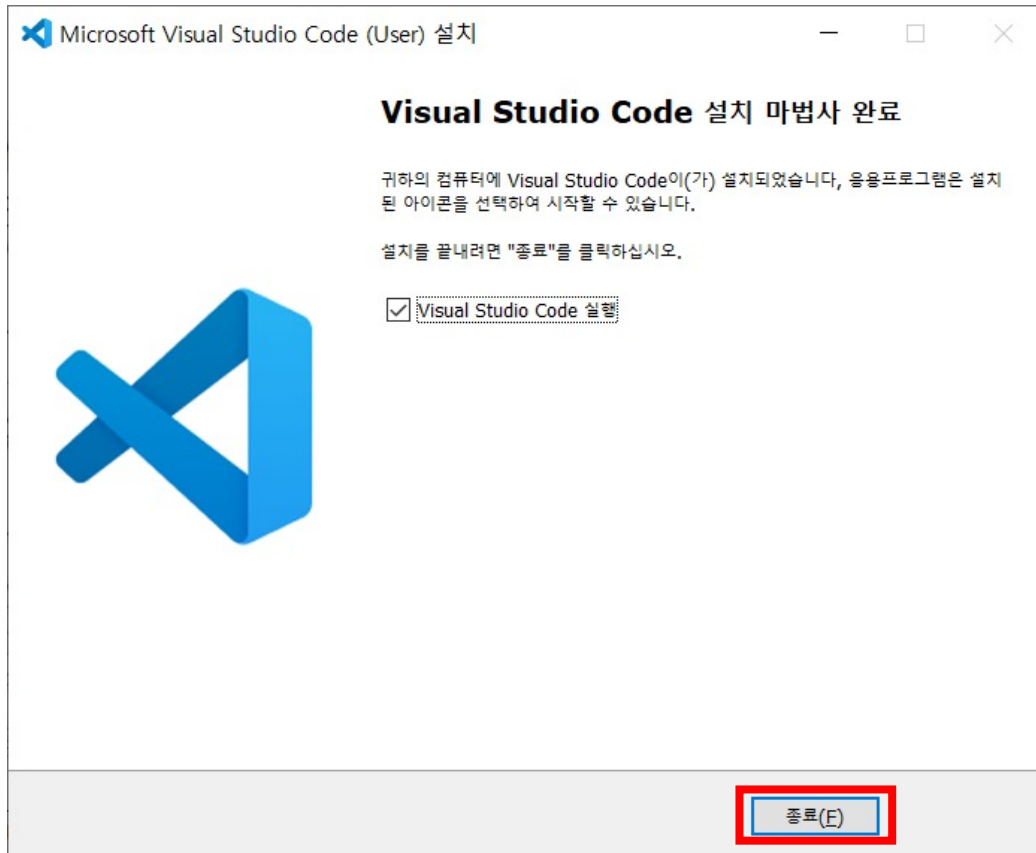
다운로드 및 설치 Visual Studio Code



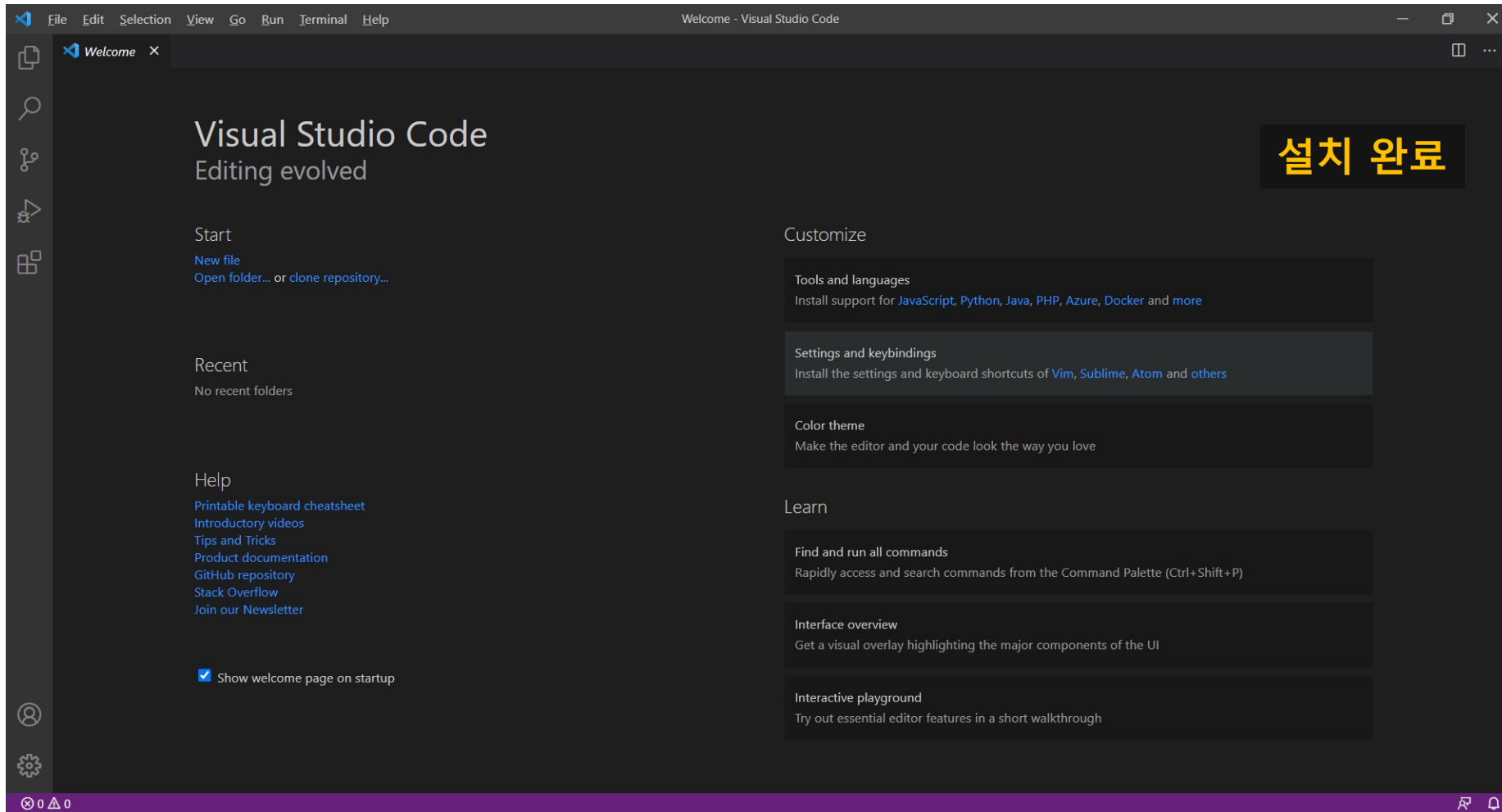
다운로드 및 설치 Visual Studio Code



다운로드 및 설치 Visual Studio Code



다운로드 및 설치 Visual Studio Code



다운로드 및 설치 Node.js

<https://nodejs.org/ko/>

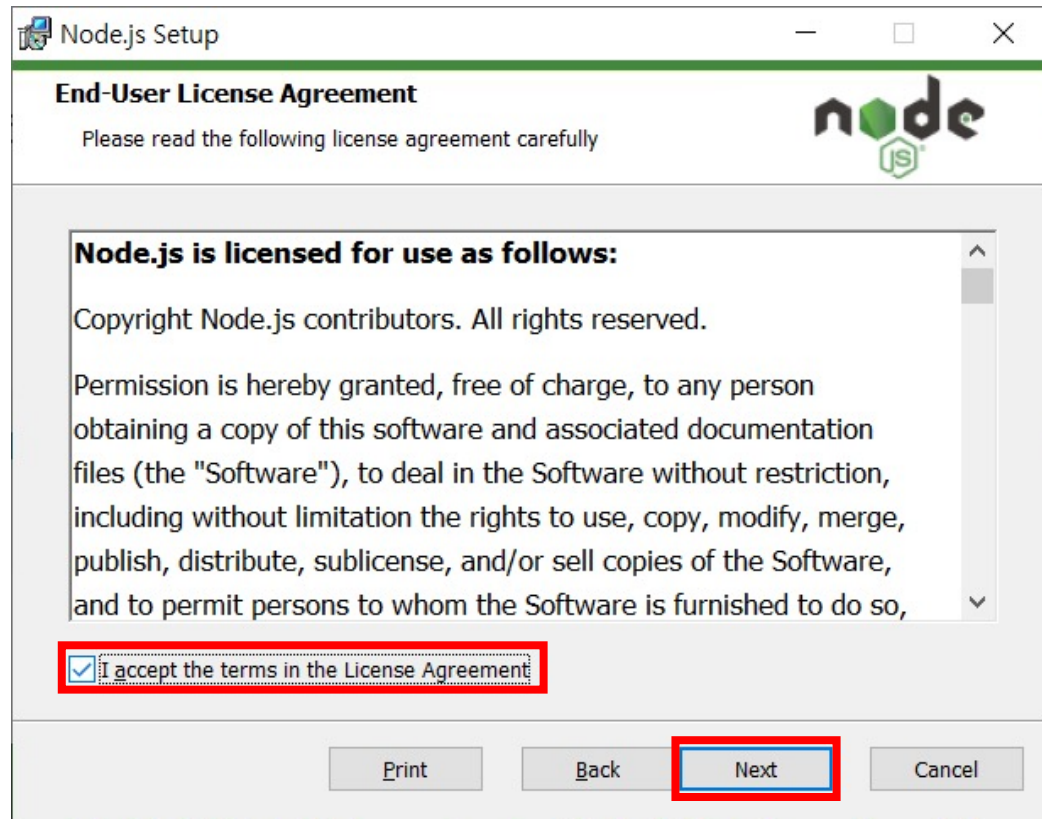
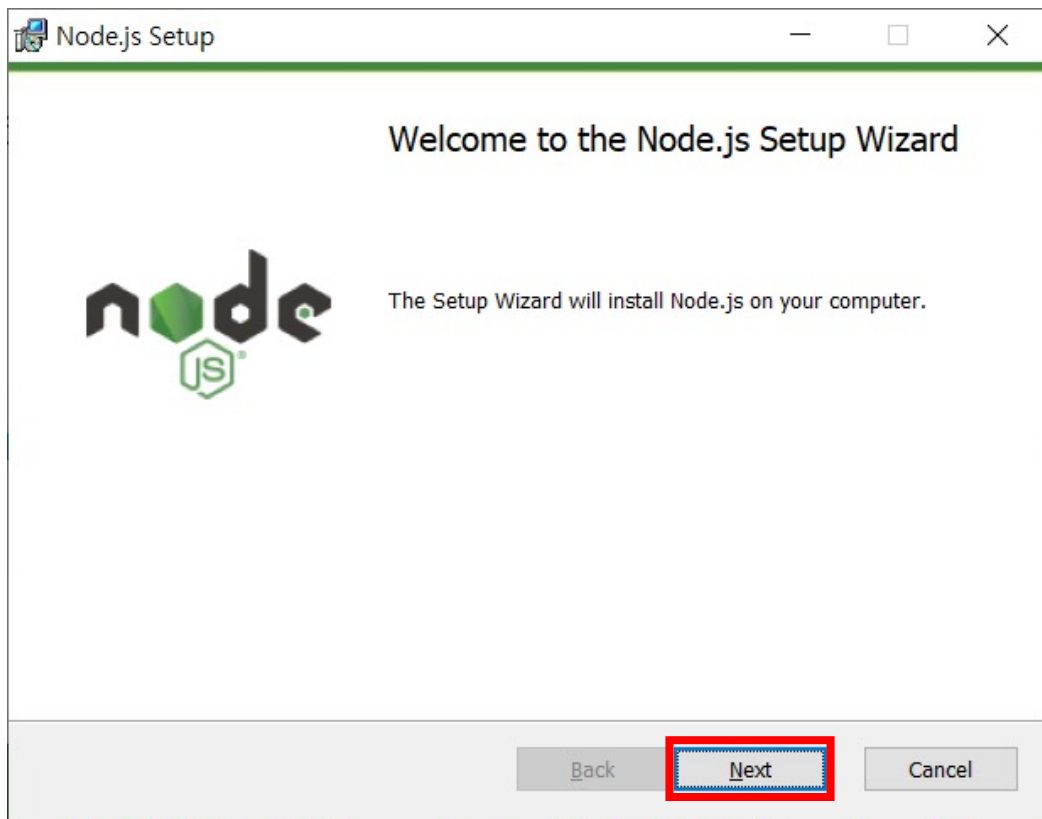
The screenshot shows the Node.js website with the following elements:

- Navigation Bar:** Includes links for Home, About, Downloads, Documentation, Participate, Security, News, and Certification.
- Hero Section:** States "Node.js®는 Chrome V8 JavaScript 엔진으로 빌드된 JavaScript 런타임입니다." and features a "#BlackLivesMatter" button.
- Security Notice:** A green box states "New security releases now available for 15.x, 14.x, 12.x and 10.x release lines".
- Download Section:** Titled "다운로드 - Windows (x64)", it offers two options: "14.16.0 LTS" (labeled "안정적, 신뢰도 높음") and "15.10.0 현재 버전" (labeled "최신 기능").
- Annotations:** A red box highlights the "14.16.0 LTS" button, and a red arrow points from it to the download link "node-v14.16.0-x64.msi" in the footer, which is also highlighted with a red box.
- Footer:** Contains links for "다른 운영 체제", "변경사항", and "API 문서", along with a "모두 표시" button.

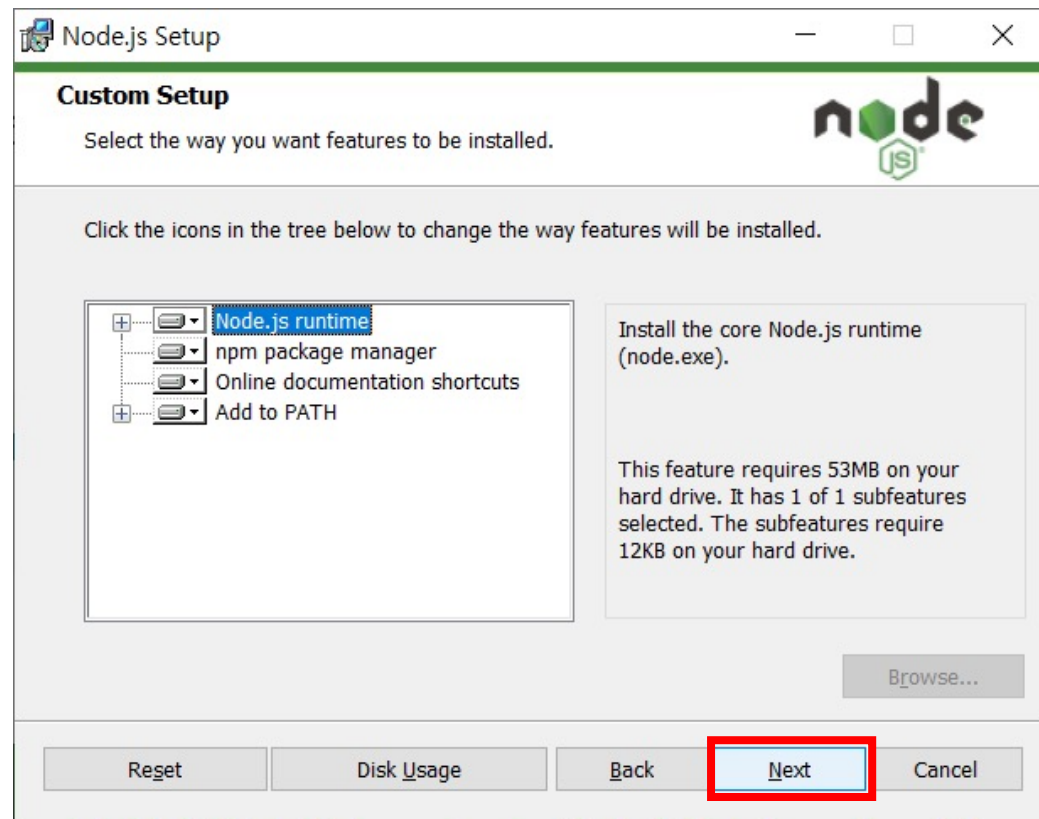
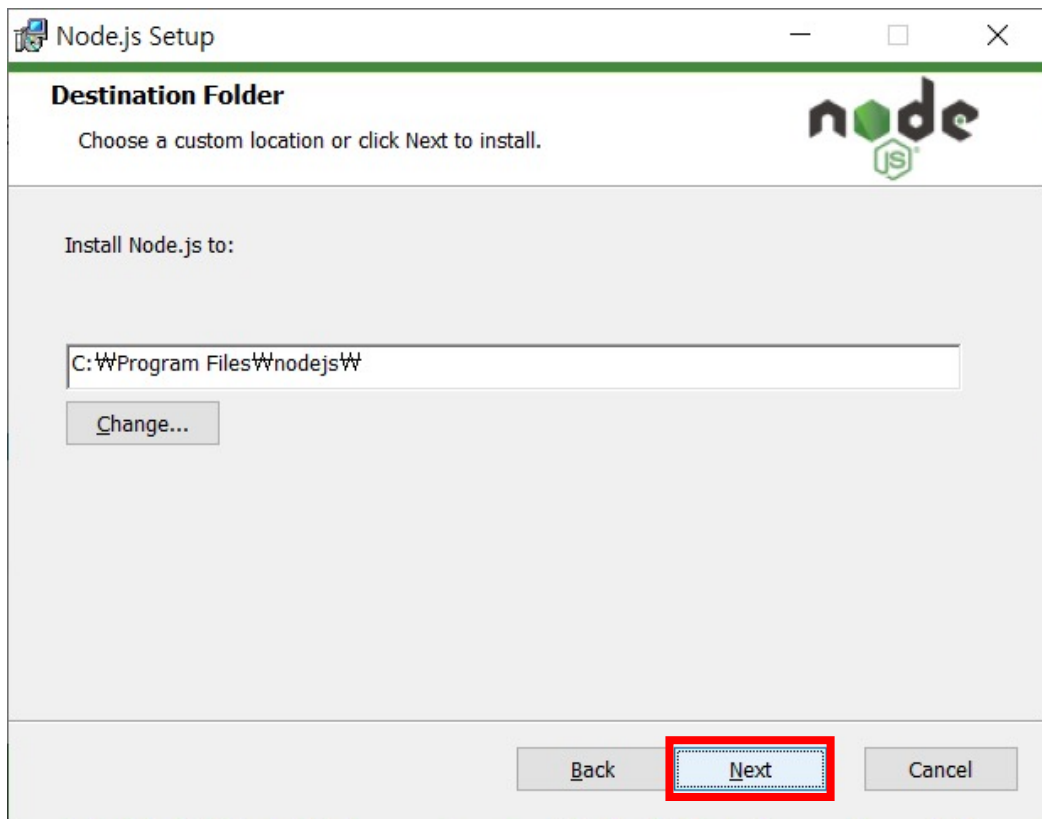
1) Download 버튼 클릭
LTS 일정은 여기서 확인하세요.

2) 설치 파일 실행

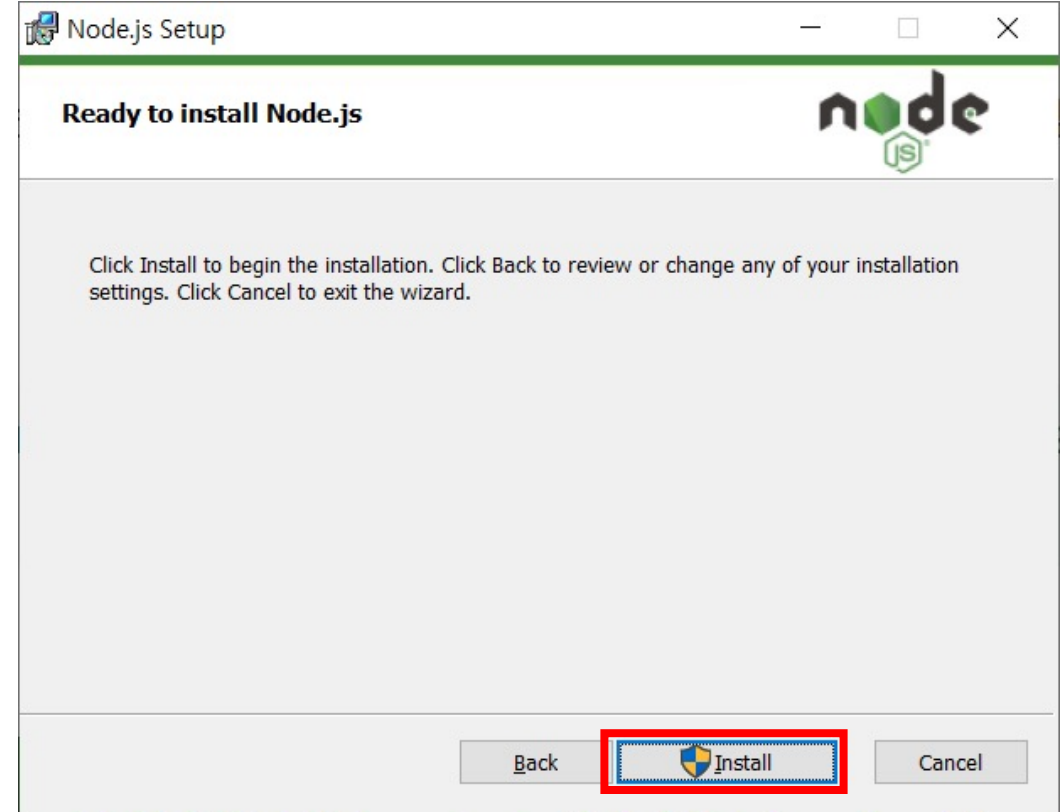
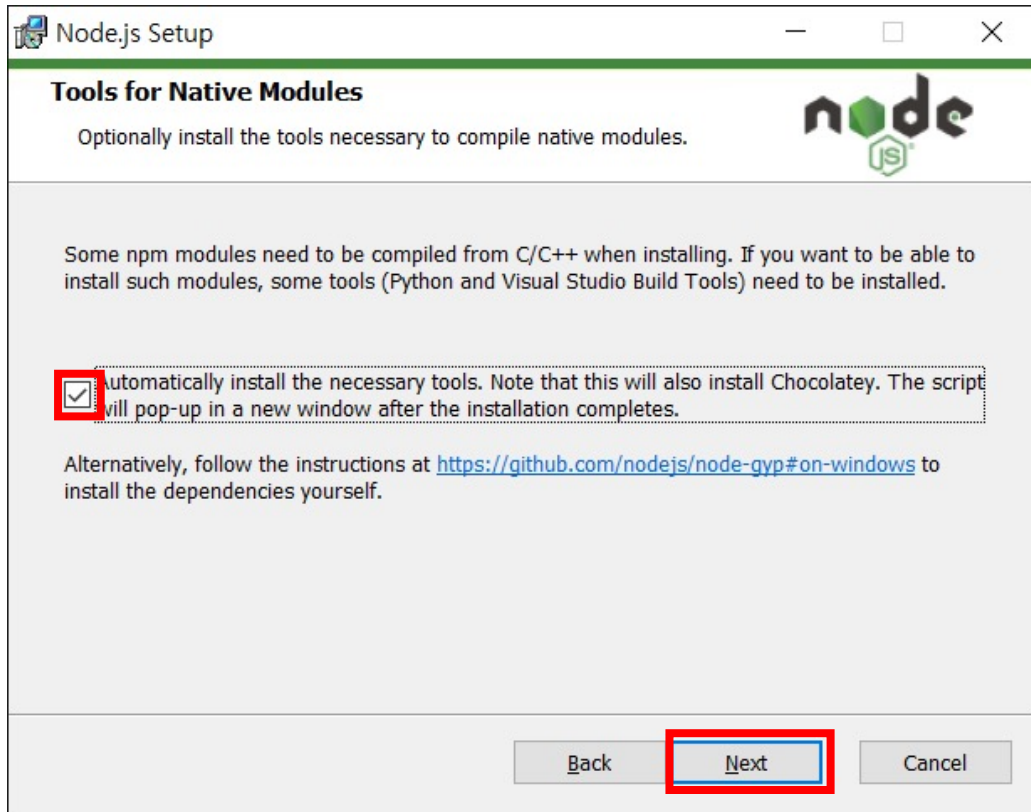
다운로드 및 설치 Node.js



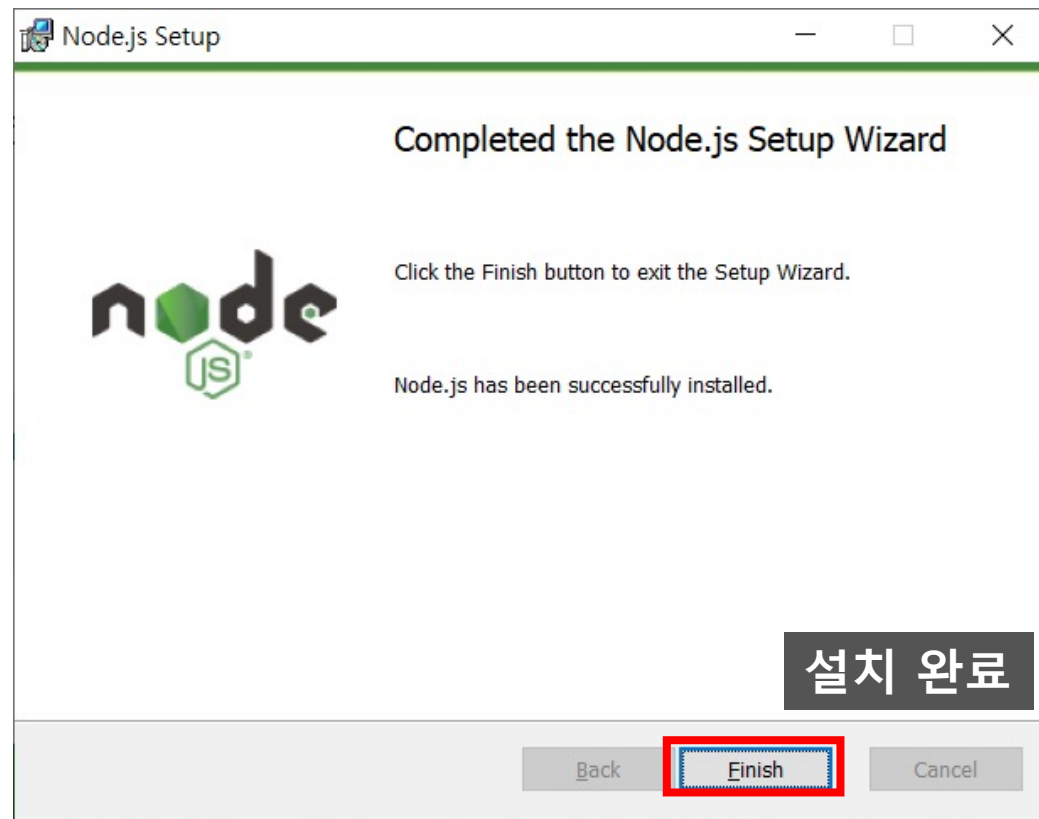
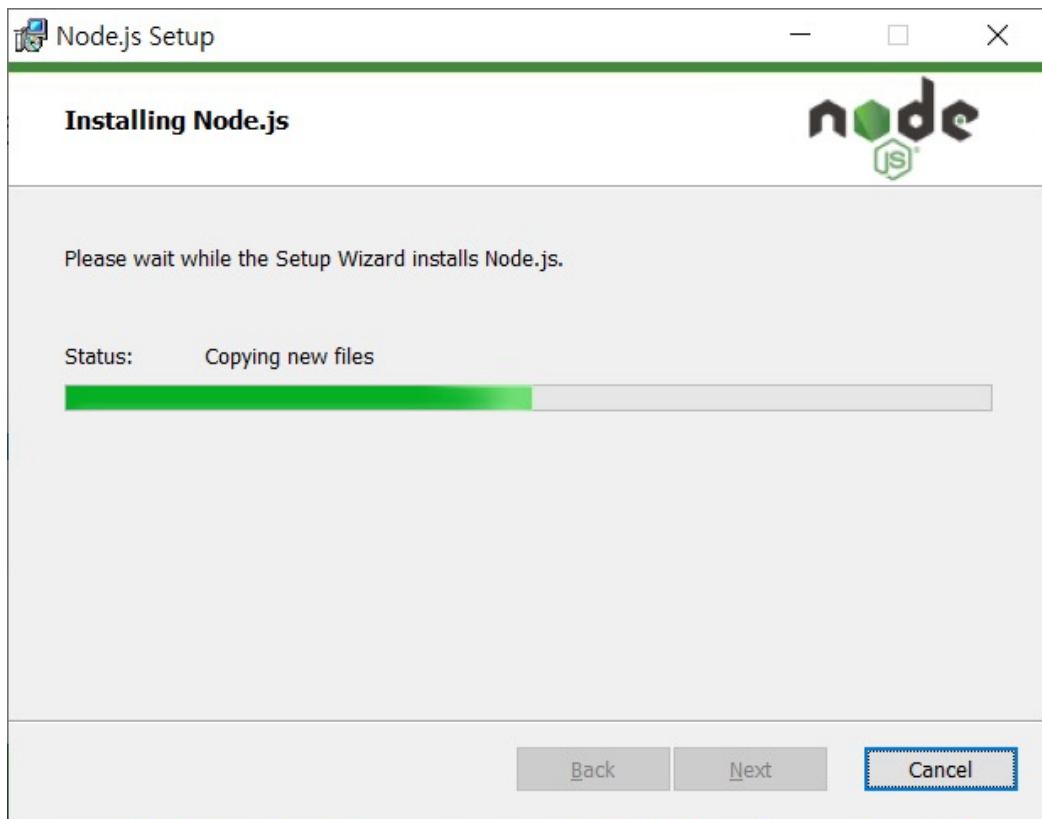
다운로드 및 설치 Node.js



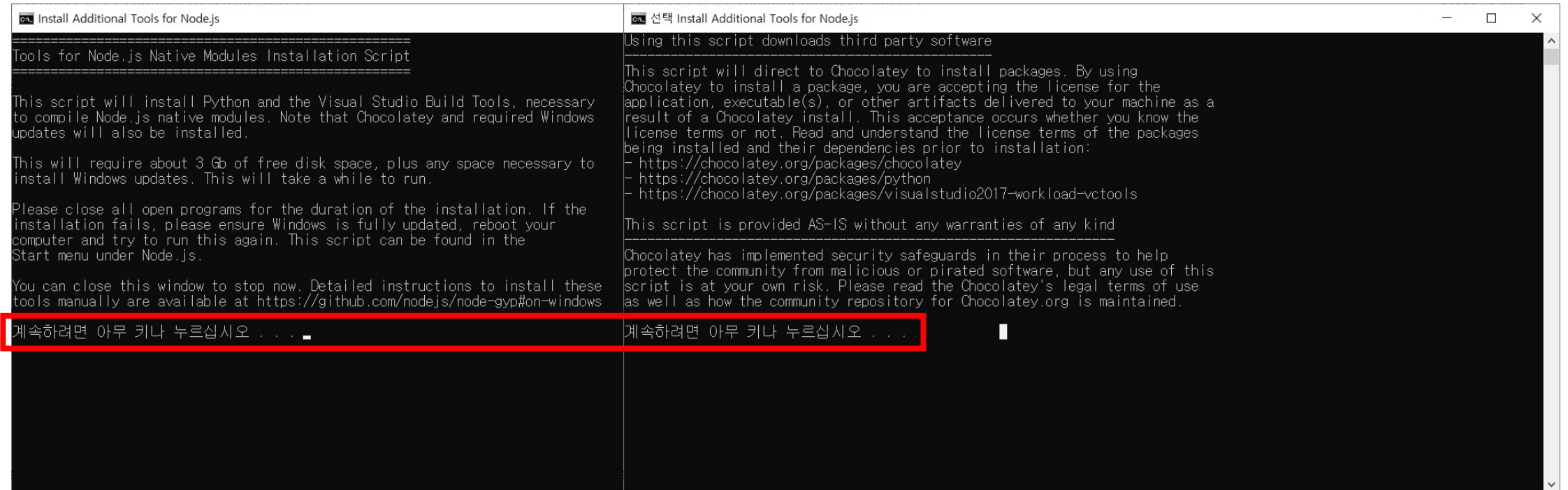
다운로드 및 설치 Node.js



다운로드 및 설치 Node.js



다운로드 및 설치 Node.js



키를 눌러 진행함

다운로드 및 설치 Node.js

```
관리자: Windows PowerShell
경고: An existing Chocolatey installation was detected. Installation will not continue.
For security reasons, this script will not overwrite existing installations.

Please use choco upgrade chocolatey to handle upgrades of Chocolatey itself.
Chocolatey v0.10.15
[Pending] Removing incomplete install for 'visualstudio2017buildtools'
Upgrading the following packages:
python:visualstudio2017-workload-vctools
By upgrading you accept licenses for the packages.
python v3.9.2 is the latest version available based on your source(s).
visualstudio2017-workload-vctools is not installed. Installing...

visualstudio2017buildtools v15.9.33.0 [Approved]
visualstudio2017buildtools package files upgrade completed. Performing other installation steps.
```

설치 중 화면

```
선택 관리자: Windows PowerShell
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#pt-EP#vs_setup_bootstrap.resources.dll...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#tr#vs_setup_bootstrap.resources.dll...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#de#vs_setup_bootstrap.resources.dll...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#fr#vs_setup_bootstrap.resources.dll...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#it#vs_setup_bootstrap.resources.dll...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#pl#vs_setup_bootstrap.resources.dll...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#ko#vs_setup_bootstrap.resources.dll...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#ru#vs_setup_bootstrap.resources.dll...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#ja#vs_setup_bootstrap.resources.dll...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#vs_setup_bootstrap.exe.config...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#vs_setup_bootstrap.config...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#vs_setup_bootstrap.json...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#vs_bootstrap_d15#detection.js...
visualstudio2017buildtools has been installed.
visualstudio2017buildtools may be able to be automatically uninstalled.
The upgrade of visualstudio2017buildtools was successful.
Software installed to '"C:\Program Files (x86)\Microsoft Visual Studio\Installer"'
visualstudio2017-workload-vctools v1.3.2 [Approved]
visualstudio2017-workload-vctools package files upgrade completed. Performing other installation steps.
Installing visualstudio2017-workload-vctools...
```


다운로드 및 설치 Node.js

```
관리자: Windows PowerShell
bootstrapper.resources.dll...

Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#vs_setup_bootstrap.exe.config...

Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#vs_setup_bootstrap.config...

Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#vs_setup_bootstrap.json...
Preparing: C:\Users\SJYU\AppData\Local\Temp\chocolatey\cf94823b6565b05497703ce01cf35718#vs_bootstrap_d15#detection.json...

visualstudio2017buildtools has been installed.
visualstudio2017buildtools may be able to be automatically uninstalled.
The upgrade of visualstudio2017buildtools was successful.
Software installed to '"C:\Program Files (x86)\Microsoft Visual Studio\Installer"'

visualstudio2017-workload-vctools v1.3.2 [Approved]
visualstudio2017-workload-vctools package files upgrade completed. Performing other installation steps.
Installing visualstudio2017-workload-vctools...

visualstudio2017-workload-vctools has been installed.
visualstudio2017-workload-vctools may be able to be automatically uninstalled.
The upgrade of visualstudio2017-workload-vctools was successful.
Software install location not explicitly set, could be in package or
default install location if installer.

Chocolatey upgraded 2/3 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
Type ENTER to exit: 설치 완료 Enter를 눌러 종료함
```

다운로드 및 설치 Node.js

```
명령 프롬프트
C:\>npm install --global @ui5/cli
C:\Users\sjyu\AppData\Roaming\npm\node_modules\@ui5\cli\bin\ui5.js
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\@ui5\cli\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ @ui5/cli@2.10.0
updated 1 package in 4.715s

C:\>npm install --global generator-easy-ui5
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated

> ejs@2.7.4 postinstall C:\Users\sjyu\AppData\Roaming\npm\node_modules\generator-easy-ui5\node_modules\yeoman-environment\node_modules\ejs
> node ./postinstall.js

Thank you for installing EJS: built with the Jake JavaScript build tool (https://jakejs.com/)

+ generator-easy-ui5@2.4.6
added 374 packages from 300 contributors in 17.029s

C:\>npm install --global @sap/generator-fiori
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated

> keytar@7.2.0 install C:\Users\sjyu\AppData\Roaming\npm\node_modules\@sap\generator-fiori\node_modules\keytar
> prebuild-install || npm run build

> ejs@2.7.4 postinstall C:\Users\sjyu\AppData\Roaming\npm\node_modules\@sap\generator-fiori\node_modules\ejs
> node ./postinstall.js

Thank you for installing EJS: built with the Jake JavaScript build tool (https://jakejs.com/)

> @sap-cloud-sdk/core@1.38.0 postinstall C:\Users\sjyu\AppData\Roaming\npm\node_modules\@sap\generator-fiori\node_modules\@sap-cloud-sdk\core
> node usage-analytics.js

+ @sap/generator-fiori@1.1.3
added 555 packages from 473 contributors in 49.891s

C:\>
```

CMD 창 열고

npm config set strict-ssl = false

```
npm install --global @ui5/cli
npm install --global generator-easy-ui5
npm install --global @sap/generator-fiori
npm install --global @sap/ux-ui5-tooling
```


Extension 설치

EXTENSIONS: MA... | Extension: SAP Fiori tools - Extension Pack

"sap se"

SAP Fiori tools - Application ... 1.1.2
Allows you to access a visualization of...
SAP SE [Install](#)

SAP Fiori tools - XML Annotat... 1.1.2
Allows you to access resources that h...
SAP SE [Install](#)

SAP Fiori tools - Extension Pack 1.1.2
An extension pack that bundles SAP Fi...
SAP SE [Install](#)

SAP CDS Language Support 3.3.0
Language support for SAP CDS for Vis...
SAP SE [Install](#)

SAP Fiori tools - Service Mod... 1.1.2
Allows you to visualize OData service ...
SAP SE [Install](#)

SAP Fiori tools - Guided Devel... 1.1.2
Allows you to access how-to guides a...
SAP SE [Install](#)

SAP Cloud Platform Mobile S... 1.8.0
SAP Cloud Platform Mobile Services, ...
SAP SE [Install](#)

mobile Development Kit ext... 1.18.0
Mobile development kit extension for ...
SAP SE [Install](#)

SQL analyzer tool for SAP HA... 1.0.8
SAP HANA SQL Analyzer for Visual St...
SAP SE [Install](#)

SAP Fiori tools - Extension Pack `sapse.sap-ux-fiori-tools-extension-pack`
SAP SE | 9,426 | ★★★★★ | Repository | License | v1.1.2
An extension pack that bundles SAP Fiori tools extensions.
[Install](#)

[Details](#) [Changelog](#)

Extension Pack (6)

- XML Toolkit**
Language Support for XML
SAP OSS [Install](#)
- Application Wizard**
Provides rich user experience fo...
SAP OS [Install](#)
- SAP Fiori tools - Application...**
Allows you to access a visualiza...
SAP SE [Install](#)
- SAP Fiori tools - XML Annot...**
Allows you to access resources ...
SAP SE [Install](#)
- SAP Fiori tools - Guided Dev...**
Allows you to access how-to gu...
SAP SE [Install](#)
- SAP Fiori tools - Service Mo...**
Allows you to visualize OData s...
SAP SE [Install](#)

SAP Fiori tools - Extension Pack

SAP Fiori tools simplifies the development of SAP Fiori elements applications.

Included Extensions

Application Wizard

Allows you to use wizard-style approach to generate the provided SAP Fiori elements templates.

SAP Fiori tools - Application Modeler

Allows you to access a visualization of the application's pages, navigation, and Service entities. You can add new navigation and pages, delete pages, and navigate to corresponding editing tools.

UI5 template

Ctrl + Shift + P

