

Instalacija i pokretanje Visual Studia 2022

Objektno programiranje - 1. vježbe (1. dodatak)

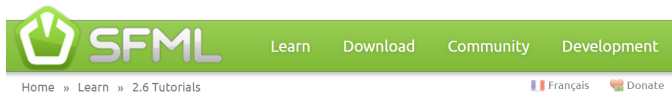
dr. sc. Sebastijan Horvat

Prirodoslovno-matematički fakultet,
Sveučilište u Zagrebu

12. ožujka 2025. godine



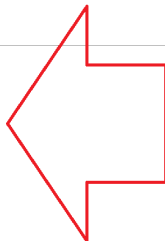
- Za SFML ćemo koristiti **Visual Studio** - međutim, treba istaknuti da to nije jedina mogućnost za korištenje SFML-a.
- Ostale možete pronaći na: www.sfml-dev.org/tutorials/2.6



Tutorials for SFML 2.6

Getting started

- SFML with the CMake Project Template
- SFML and Visual Studio
- SFML and Code::Blocks (MinGW)
- SFML and Linux
- SFML and Xcode (macOS)
- Compiling SFML with CMake



System module

- Handling time

Visual Studio 2022 IDE (Community 2022)

visualstudio.microsoft.com/vs

The screenshot shows the top navigation bar of the Visual Studio website. It includes the Microsoft logo, 'Visual Studio' branding, and links for 'Developer Tools', 'Downloads', 'Buy', and 'More'. A prominent 'Free Visual Studio' button is visible. Below the navigation is a dark purple banner with the text 'Visual Studio Hub is here!' and 'We're excited to introduce a central place for all things Visual Studio', accompanied by a 'Check it out now' button.

Visual Studio 2022 Powerhouse of AI

Visual Studio offers AI-enhanced features like IntelliSense for context-aware code completions and IntelliCode, which leverages AI patterns from open-source code. Integrated GitHub Copilot provides AI-powered code completions, chat assistance, debugging suggestions, and unit test generation. These capabilities boost productivity and code quality, helping you code faster and smarter.

Download Visual Studio ▾

Community 2022

Professional 2022

Enterprise 2022

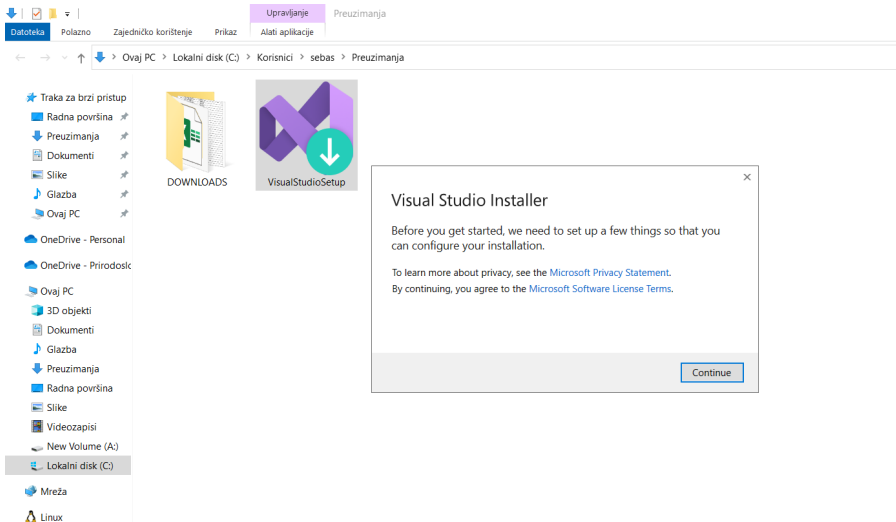
Get started for free

Copilot in Visual Studio →

Feedback

Napomena. U praktikumu 1 instalirana je verzija 2022.

Pokretanje instalacije nakon (automatskog) preuzimanja



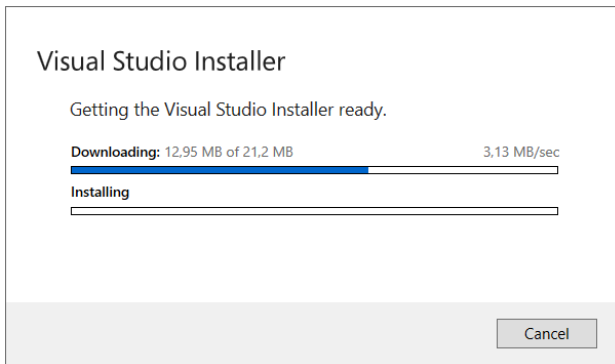
The screenshot shows a Windows File Explorer window with the address bar set to "Ovaj PC > Lokalni disk (C:) > Korisnici > sebas > Preuzimanja". The left sidebar shows the "Downloads" folder selected. In the main pane, a file named "VisualStudioSetup" is highlighted. A dialog box titled "Visual Studio Installer" is open in the foreground, containing the following text:

Visual Studio Installer

Before you get started, we need to set up a few things so that you can configure your installation.

To learn more about privacy, see the [Microsoft Privacy Statement](#).
By continuing, you agree to the [Microsoft Software License Terms](#).

Continue



Odabrati: Desktop development with C++

Installing — Visual Studio Community 2022 — 17.5.4

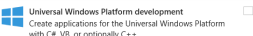
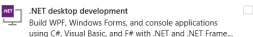
Workloads Individual components Language packs Installation locations

Need help choosing what to install? [More info](#)

Web & Cloud (4)



Desktop & Mobile (5)



Location

C:\Program Files\Microsoft Visual Studio\2022\Community [Change...](#)

Installation details

Desktop development with C++

- Included
 - C++ core desktop features
- Optional
 - MSVC v143 - VS 2022 C++ x64/x86 build t...
 - C++ ATL for latest v143 build tools (x86 &...
 - Windows 11 SDK (10.0.22000.0)
 - Security Issue Analysis
 - Just-in-Time debugger
 - C++ profiling tools
 - C++ CMake tools for Windows
 - Test Adapter for Boost.Test
 - Test Adapter for Google Test
 - Live Share
 - IntelliCode
 - C++ AddressSanitizer
 - C++ MFC for latest v143 build tools (x86...
 - C++ Modules for v143 build tools (x64/x8...
 - Windows 11 SDK (10.0.22621.0)
 - C++/CLI support for v143 build tools (Late...
 - C++ Clang tools for Windows (15.0.1 - x64...
 - JavaScript diagnostics
 - Incredibuild - Build Acceleration
 - Windows 10 SDK (10.0.20348.0)
 - Windows 10 SDK (10.0.19041.0)
 - Windows 10 SDK (10.0.18362.0)

[Remove out-of-support components](#)

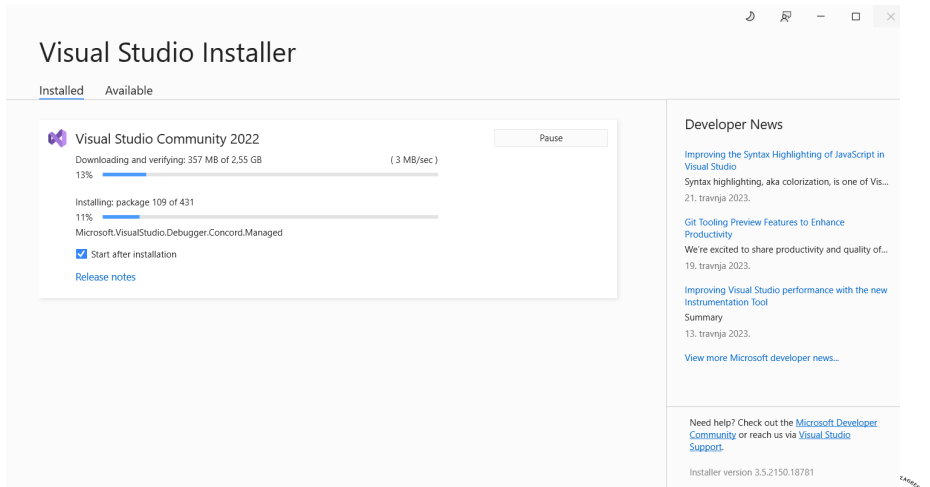
Total space required 10 GB

Install while downloading

By continuing, you agree to the [license](#) for the Visual Studio edition you selected. We also offer the ability to download other software with Visual Studio. This software is licensed separately, as set out in the [3rd Party Notices](#) or in its accompanying license. By continuing, you also agree to those licenses.

Napomena. Ostalo nam ne treba (i ovako već ima 10 GB).

Preuzimanje i instalacija



The screenshot shows the Visual Studio Installer window. The title bar reads "Visual Studio Installer" and includes standard window controls. Below the title bar, there are two tabs: "Installed" and "Available". The main content area is divided into two sections. The left section, titled "Visual Studio Community 2022", shows the installation progress. It includes a "Pause" button, a progress bar for "Downloading and verifying: 357 MB of 2,55 GB" at 13% (3 MB/sec), and another progress bar for "Installing: package 109 of 431" at 11%. Below the progress bars, the text "Microsoft.VisualStudio.Debugger.Concord.Managed" is visible, along with a checked checkbox for "Start after installation" and a link for "Release notes". The right section, titled "Developer News", lists three articles: "Improving the Syntax Highlighting of JavaScript in Visual Studio" (dated 21. travnja 2023.), "Git Tooling Preview Features to Enhance Productivity" (dated 19. travnja 2023.), and "Improving Visual Studio performance with the new Instrumentation Tool" (dated 13. travnja 2023.). At the bottom of the right section, there is a link for "View more Microsoft developer news..." and a footer for "Need help? Check out the Microsoft Developer Community or reach us via Visual Studio Support." and "Installer version 3.5.2150.18781".

Visual Studio Installer

Installed Available

Visual Studio Community 2022

Pause

Downloading and verifying: 357 MB of 2,55 GB (3 MB/sec)
13%

Installing: package 109 of 431
11%

Microsoft.VisualStudio.Debugger.Concord.Managed

Start after installation

[Release notes](#)

Developer News

[Improving the Syntax Highlighting of JavaScript in Visual Studio](#)
Syntax highlighting, aka colorization, is one of Vis...
21. travnja 2023.

[Git Tooling Preview Features to Enhance Productivity](#)
We're excited to share productivity and quality of...
19. travnja 2023.

[Improving Visual Studio performance with the new Instrumentation Tool](#)
Summary
13. travnja 2023.

[View more Microsoft developer news...](#)

Need help? Check out the [Microsoft Developer Community](#) or reach us via [Visual Studio Support](#).

Installer version 3.5.2150.18781



Nakon instalacije: preporučeni restart računala

The screenshot shows the Visual Studio Installer application window. The title bar reads "Visual Studio Installer". Below the title bar, there are tabs for "Installed" and "Available". A status bar at the top indicates "All installations are up to date." The main content area lists the installed version of Visual Studio Community 2022 (17.5.4) with a "Modify" button. A "Done installing" dialog box is overlaid on the installer, stating: "Visual Studio has been successfully installed. We recommend rebooting soon to clean up any remaining files." with an "OK" button. On the right side of the installer window, there is a "Developer News" section with several articles and a "Need help?" section with links to the Microsoft Developer Community and Visual Studio Support. The installer version is listed as 3.5.2150.18781.

Visual Studio Installer

Installed Available

All installations are up to date.

Visual Studio Community 2022
17.5.4
Powerful IDE, free for students, open-sou...
[Release notes](#)

Modify

Done installing

Visual Studio has been successfully installed. We recommend rebooting soon to clean up any remaining files.

OK

Developer News

[Improving the Syntax Highlighting of JavaScript in Visual Studio](#)
Syntax highlighting, aka colorization, is one of Vis...
21. travnja 2023.

[Git Tooling Preview Features to Enhance Productivity](#)
We're excited to share productivity and quality of...
19. travnja 2023.

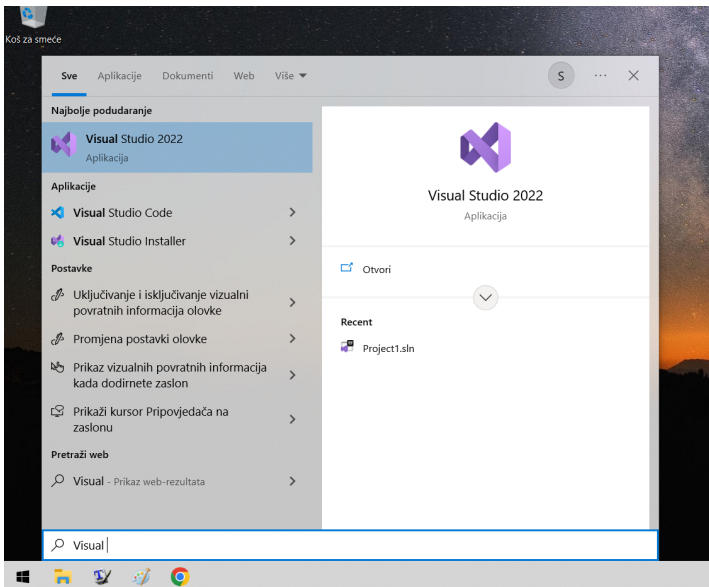
[Improving Visual Studio performance with the new Instrumentation Tool Summary](#)
13. travnja 2023.

[View more Microsoft developer news...](#)

Need help? Check out the [Microsoft Developer Community](#) or reach us via [Visual Studio Support](#).

Installer version 3.5.2150.18781

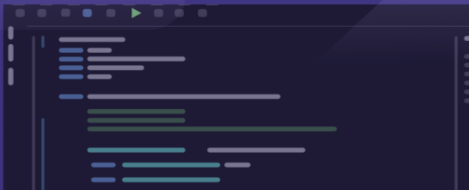
Pokretanje Visual Studia





Sign in to Visual Studio

Sync settings across devices, collaborate in real time,
and integrate seamlessly with Azure Services.



Sign in

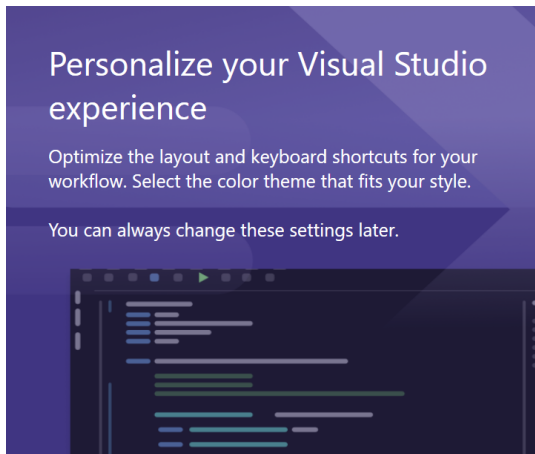
Create an account



Skip this for now.

Odabрати temu po volji

- u prezentacijama će biti korištena tema *Blue*

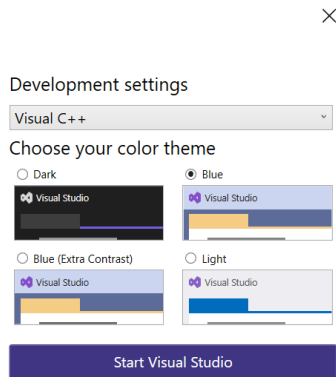


Personalize your Visual Studio experience

Optimize the layout and keyboard shortcuts for your workflow. Select the color theme that fits your style.

You can always change these settings later.

The slide features a dark blue background with white text. At the bottom, there is a small inset image showing a code editor with syntax-highlighted code in various colors (blue, green, yellow) on a dark background.



Development settings

Visual C++

Choose your color theme

Dark

Blue

Blue (Extra Contrast)

Light

Start Visual Studio

The screenshot shows the 'Development settings' dialog box in Visual Studio. The 'Visual C++' dropdown is expanded. Under 'Choose your color theme', the 'Blue' theme is selected with a radio button. There are four theme preview thumbnails: 'Dark' (black background), 'Blue' (blue and yellow background), 'Blue (Extra Contrast)' (blue and yellow background with high contrast), and 'Light' (light gray background). A 'Start Visual Studio' button is at the bottom.

Stvaranje novog projekta

Visual Studio 2022

Open recent

As you use Visual Studio, any projects, folders, or files that you open will show up here for quick access.

You can pin anything that you open frequently so that it's always at the top of the list.

Get started



Clone a repository

Get code from an online repository like GitHub or Azure DevOps



Open a project or solution

Open a local Visual Studio project or .sln file



Open a local folder

Navigate and edit code within any folder



Create a new project

Choose a project template with code scaffolding to get started

[Continue without code →](#)



Do you like this start window?

- možemo otvoriti i već postojeći (ili nastaviti bez koda)

Stvaranje novog projekta (C++, Windows, Empty Project)

Create a new project

Recent project templates

Empty Project

C++
Empty Project

Search for templates (Alt+S)

C++ Windows All project types

Empty Project
Start from scratch with C++ for Windows. Provides no starting files.
C++ Windows Console

Console App
Run code in a Windows terminal. Prints "Hello World" by default.
C++ Windows Console

CMake Project
Build modern, cross-platform C++ apps that don't depend on .sln or .vcxproj files.
C++ Windows Linux Console

Windows Desktop Wizard
Create your own Windows app using a wizard.
C++ Windows Desktop Console Library

Windows Desktop Application
A project for an application with a graphical user interface that runs on Windows.
C++ Windows Desktop

Dynamic-Link Library (DLL)
Build a .dll that can be shared between multiple running Windows apps.

Back Next

Naziv i mjesto spremanja novog projekta

Configure your new project

Empty Project C++ Windows Console

Project name
PrviProjekt

Location
C:\Projekti\

Solution name ⓘ
PrviProjekt

Place solution and project in the same directory

Project will be created in "C:\Projekti\PrviProjekt\PrviProjekt\"

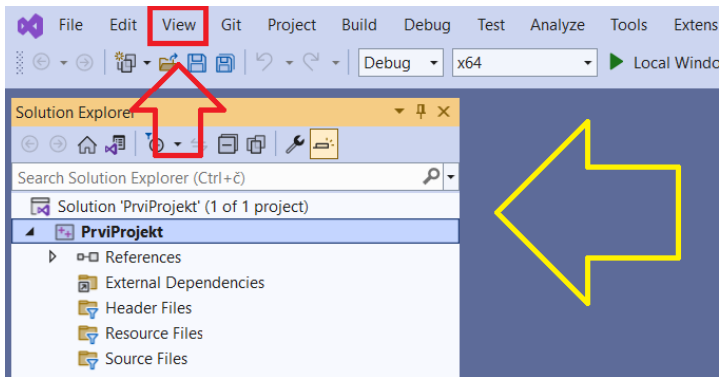
Back Create

Naziv projekta

Mjesto spremanja

Create

Napomena: *Solution Explorer*



- ako se ne prikazuje prozor *Solution Explorer* odabrati *View* → *Solution Explorer*
- slično ako nedostaje neki drugi prozor prikazan u prezentaciji