

Instalacija i pokretanje Visual Studia 2022

Objektno programiranje - 8. vježbe (1. dodatak)

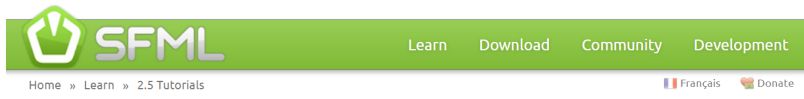
Sebastijan Horvat

Prirodoslovno-matematički fakultet,
Sveučilište u Zagrebu

10. svibnja 2023. godine



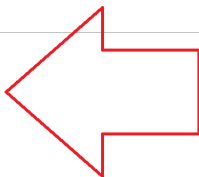
- Za SFML ćemo koristiti **Visual Studio** - međutim, treba istaknuti da to nije jedina mogućnost za korištenje SFML-a.
- Ostale možete pronaći na: www.sfml-dev.org/tutorials/2.5



Tutorials for SFML 2.5

Getting started

- 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 Visual Studio 2022 website. The main heading reads "Code faster. Work smarter." and "Create the future with Visual Studio 2022". A "Download" button is highlighted, and a dropdown menu is open, showing three options: "Community 2022", "Professional 2022", and "Enterprise 2022". The background of the website features a blurred image of the Visual Studio IDE interface, showing code files, a solution explorer, and a performance monitor. A "Feedback" button is visible on the right side of the page.

Napomena. U praktikumu 2 je instalirana verzija 2019.

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, the "VisualStudioSetup" file is highlighted. An installer dialog box titled "Visual Studio Installer" is overlaid on the window. The dialog contains the following text:

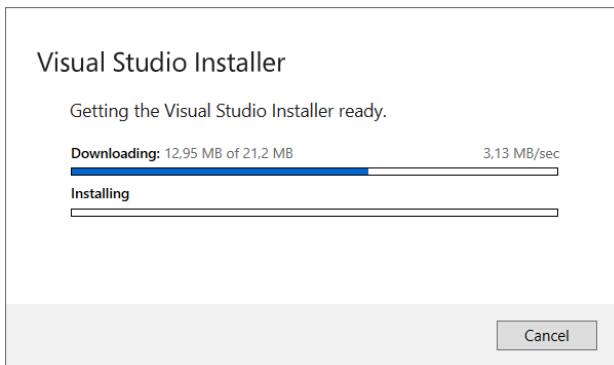
Visual Studio Installer

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](#).

At the bottom of the dialog is a "Continue" button.



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)

- ASP.NET and web development
Build web applications using ASP.NET Core, ASP.NET, HTML/JavaScript, and Containers including Docker supp...
- Python development
Editing, debugging, interactive development and source control for Python.
- Azure development
Azure SDKs, tools, and projects for developing cloud apps and creating resources using .NET and .NET Framework...
- Node.js development
Build scalable network applications using Node.js, an asynchronous event-driven JavaScript runtime.

Desktop & Mobile (5)

- .NET Multi-platform App UI development
Build Android, iOS, Windows, and Mac apps from a single codebase using C# with .NET MAUI.
- .NET desktop development
Build WPF, Windows Forms, and console applications using C#, Visual Basic, and F# with .NET and .NET Frame...
- Desktop development with C++
Build modern C++ apps for Windows using tools of your choice, including MSVC, Clang, CMake, or MSBuild.
- Universal Windows Platform development
Create applications for the Universal Windows Platform with C#, VB, or optionally C++.

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

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.

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 (10.0.18363.0)

Remove out-of-support components

Total space required 10 GB

Install while downloading

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". Below the title bar, there are two tabs: "Installed" and "Available". The main content area displays the installation progress for "Visual Studio Community 2022".

Visual Studio Community 2022 [Pause button]

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 two tabs: "Installed" (selected) 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 (version 17.5.4) with a "Modify" button. A modal dialog box titled "Done installing" is displayed in the foreground, containing the text: "Visual Studio has been successfully installed. We recommend rebooting soon to clean up any remaining files." and an "OK" button. On the right side of the installer window, there is a "Developer News" section with several news items 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-source
[Release notes](#)

Modify

Done installing

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

OK

Developer News

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21. travnja 2023.

[Git Tooling Preview Features to Enhance Productivity](#)
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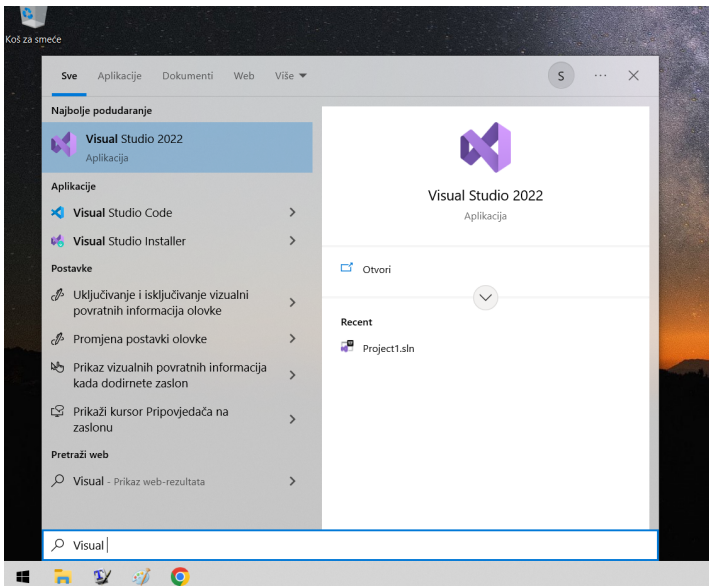
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Installer version 3.5.2150.18781

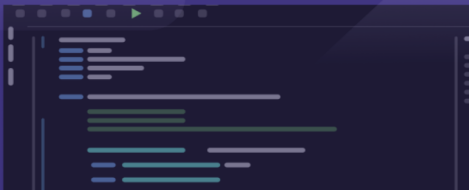
Pokretanje Visual Studio





Sign in to Visual Studio

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



Sign in

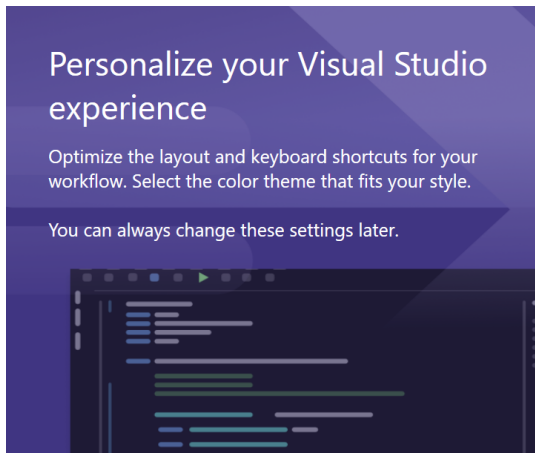
Create an account



[Skip this for now.](#)

Odabрати temu po volji

- u prezentacijama će biti korištena tema *Blue*

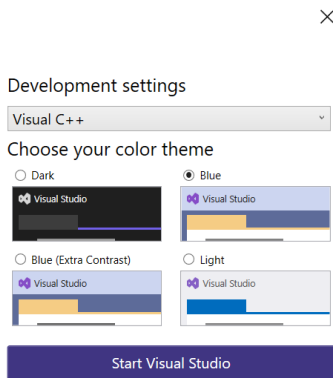


Personalize your Visual Studio experience

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 Visual Studio code editor with a dark theme and syntax-highlighted code.



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. Below the radio buttons are four preview cards for different themes: Dark, Blue, Blue (Extra Contrast), and Light. Each card shows a preview of the Visual Studio interface with the selected theme. At the bottom of the dialog is a large blue button labeled 'Start Visual Studio'.

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

The screenshot shows the 'Create a new project' dialog in Visual Studio. The 'Search for templates (Alt+S)' field is at the top. Below it are two dropdown menus: 'C++' and 'Windows'. A red box highlights the 'C++' dropdown, with a red arrow pointing to the text 'C++' on the left. A blue box highlights the 'Windows' dropdown, with a blue arrow pointing to the text 'Windows' on the right. Below the dropdowns is a list of project templates. The 'Empty Project' template is highlighted in grey. A green arrow points from the text 'Empty Project' on the left to the 'Empty Project' template. At the bottom right, there are 'Back' and 'Next' buttons. An orange arrow points from the text 'Next' on the right to the 'Next' button. The text 'Windows' is written in large blue letters at the top right of the dialog area. The text 'Next' is written in large orange letters at the bottom right of the dialog area.

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"

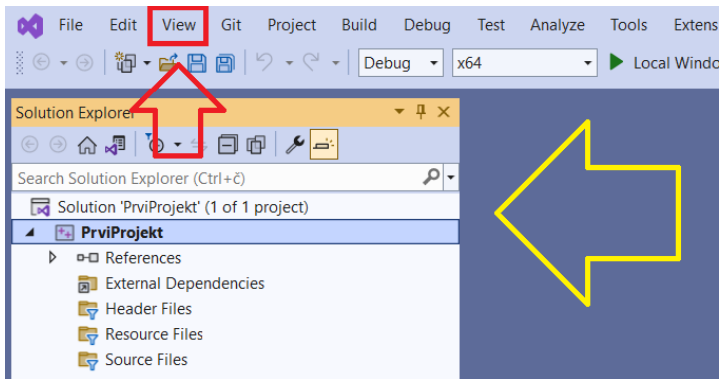
Back Create

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