

Build collaborative apps with Microsoft Teams

What makes an app collaborative?

Collaborative apps meet users how, where, and when they need and want to work, bringing business workflows, data, and insights into the right user and team interactions. Collaborative by design, Microsoft Teams is uniquely suited to build and deploy collaborative apps into every corner of your organization.

What can you do with Teams apps?

- Tabs**
Bring in embedded web experiences and content.
- Bot**
Automate conversations with users.
- Message extension**
Search or initiate actions.
- Meeting extension**
Bring your app into the meeting surface.

Our commitment to developers

Teams is a comprehensive, trusted place where 270 million users come to work and learn. With Teams, you can:

- Build once and deploy anywhere, ensuring maximum adoption and user reach.
- Delight users with built-in, advanced, and collaborative experiences and insights.
- Use your existing development skills to build apps using low-code and pro-code tools.
- Increase app discoverability and product awareness with Teams store listing.
- Make your apps available on multiple platforms (including desktop and mobile).
- Automate repetitive tasks to increase productivity within the organization.

Range of features

Combine tools, frameworks, and SDKs to build compelling apps for your organization.

Tools

- Teams Toolkit
- Developer Portal
- Yeoman Generator

SDKs

- Teams JS
- Microsoft Graph
- TeamsFx
- Bot Framework

Languages

- JavaScript
- TypeScript
- C#
- Java
- Python

Frameworks

- Blazor
- SharePoint Framework
- Fluent UI
- Third-party front-end UI frameworks

Choose the right development tool for your preferences

Preferred language

JavaScript/Typescript

Preferred dev interface

- Graphical User Interface (GUI)
- Command Line Interface (CLI)

Tools

- Teams Toolkit for Visual Studio Code
- Teams Toolkit CLI
- Yeoman Generator for Microsoft Teams (Yo Teams) and SharePoint Framework Yeoman Generator

C#

Preferred dev interface

- GUI
- CLI

Tools

- Teams Toolkit for Visual Studio
- Teams Toolkit CLI

Microsoft Developer Portal
A tool for all developers to configure, distribute, and manage apps

Select the right combination of SDKs

Available SDKs and Frameworks

- Integrate with Teams client**
- Implement UI capabilities**
- Simplify authentication**
- Connect to Microsoft 365 data and insights**
- Develop bots**
- Build Microsoft 365-hosted apps**

- Teams JavaScript SDK**
 - Ability to expose your web app in Teams through an iFrame
 - Tabs, task module extension, and connector configuration
- Fluent UI**
 - Collection of UI frameworks for creating Teams-themed elements
 - Robust, up-to-date, accessible components
 - Supports React front-end frameworks
 - Includes components and patterns designed specifically to build Teams apps
- Adaptive Cards**
 - Pre-defined and cross-platform consistent UI
 - Platform-agnostic snippets of UI
 - Builds declarative UI elements with JSON
 - Extends bots and messaging extensions with a rich and interactive UI
- TeamsFx SDK**
 - Encapsulates simple authentication (both server and client side)
 - Enables users to write user authentication code for tabs, bots, and APIs
- Microsoft Graph SDK**
 - Connects the data and insights from Microsoft 365, including Teams, Outlook, and calendars
 - Available for C#, PowerShell, TypeScript, JavaScript, Java, Go, PHP, and Python (Preview)
- Bot Framework**
 - Purpose-built for bot development and messaging extensions
 - Creates bots using .NET, Java, Python, and JavaScript
- SharePoint Framework**
 - Host your app on Microsoft 365 so that you don't need any additional resources on Microsoft Azure
 - Easily access resources secured with single sign-on (SSO), such as Microsoft Graph and your custom APIs

Take the next step

- Join the [Microsoft 365 Developer Program](#).
- Download the [e-book](#) to start your app development journey in Teams.