

# App templates for Microsoft Teams

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App templates are examples of complete apps for Microsoft Teams that are open-source and available on GitHub. Each app template contains detailed instructions for deploying and installing that app for your organization. It also provides a sample app that you can install and start using immediately. The complete source code is also available, which allows you to explore it in detail or fork the code and alter it to meet your specific requirements.

All app templates are provided under the [MIT License](#) terms.

## 📌 Note

You must license and support apps created from app templates for your users and organizations.

The key benefits of using App templates are:

- **Deploy directly to the cloud:** All app templates include deployment scripts that allow you to host all required services in Microsoft Azure or the Power Platform.
- **Recommended sample code:** The app templates conform to recommended best practices around security and infrastructure. All community submitted changes to the app templates are reviewed to ensure conformance.
- **Customizable and extensible:** While all app templates are deployed with minimal configuration, the entire code base and deployment scripts are provided to easily customize or extend them to fit your unique needs.
- **Detailed documentation:** All app templates have end-to-end documentation on solution architecture, deployment, and configuration steps.

## Champion Management Platform

The Champion Management Platform (CMP) app template helps you manage, scale, and inspire your teamwork champions to achieve more. This app template is built on the SharePoint Framework and loaded into a tab within a team. Groups can use this tool to help manage program membership, provide a leaderboard, and event types for logging, and tools to overlay digital badges to program participants.

[Get it on GitHub](#)

# Company Communicator

The Company Communicator app enables corporate teams to create and send messages intended for multiple teams or large number of employees over chat allows organization to reach employees right where they collaborate. Utilize this template for multiple scenarios such as new initiative announcements, employee onboarding, modern learning, and development or organization-wide broadcasts.

## ⓘ Note

Company Communicator app is not supported in mobile clients.

The app provides an easy interface for designated users to create, preview, collaborate, and send messages.

It provides a foundation to build custom targeted communication capabilities such as custom telemetry on how many users acknowledged or interacted with a message.

[Get it on GitHub](#)

## Microsoft 365 Learning Pathways (Get Started)

The Get Started app template allows you to bring the power of Microsoft 365 learning pathways inside of Teams. This app template allows you to grant easy access to specific training pages or other intranet assets and load the content directly within Teams. You can also change the app name or logo to match your company branding.

[Get it on GitHub](#)

## Microsoft Teams Emergency Operations Center (TEOC)

The Microsoft Teams Emergency Operations Center (TEOC) solution template uses the power of the Microsoft 365 platform to centralize incident response, information sharing and field communications using powerful services like Microsoft Lists, SharePoint, and more. An open-source solution supported by Microsoft, provides core functionality and can be extended to meet specific agency requirements.

[Get it on GitHub](#)

# App Template Code Samples

App template code samples are a collection of sample apps for Microsoft Teams platform capabilities.

## ① Note

- Microsoft is not actively managing the source code. The complete source code is open-source and you can explore, fork, and modify the source code to meet your specific requirements.
- You must not use Microsoft Power Platform to create apps that are to be published to the Teams app store. Microsoft Power Platform apps can be published to an organization's app store only.

The following table describes App template code samples:

Name	Scenario	GitHub link
Adoption Bot	Adoption Bot is a user care chat bot built with Power Virtual Agent for Teams PVA. It's considered as the PVA version of FAQ Plus. Adoption Bot answers 100+ common questions about Microsoft 365 and Teams. You can edit the existing topics, add your own topics, and ingest existing FAQs. If users need more help, Adoption Bot can connect them to experts or even be extended to open service tickets with premium flow connectors. This bot is self-installed or built into a custom app, such as the <a href="#">Adoption Hub</a> .	<a href="#">Adoption Bot</a>
Appointment Manager	Appointment Manager is a Teams app template to help businesses create, manage, and conduct virtual appointments with consumers through Teams. New appointment requests from consumers are visible in Teams channels, where they're quickly assigned and reassigned to staff in a team. Appointment requests are viewed at team or personal levels through custom tabs. Every appointment is associated with a Teams online meeting, hence the staff and consumers can easily join the meeting at the scheduled time. The app template integrates with Microsoft Bookings for easy appointment management. Scheduled appointments automatically appear on assigned staff members' calendars, and consumers receive customizable email notifications and reminders with embedded meeting links.	<a href="#">Appointment Manager</a>

Name	Scenario	GitHub link
Ask Away	Ask Away is a <a href="#">Microsoft Teams bot</a> that enables users to conduct Question and Answer, called Q&A sessions within Teams. Using the Ask Away bot, team members can submit and up-vote questions shared by colleagues allowing Q&A hosts to easily gather top-of-mind questions within a channel or chat. The bot is used to conduct a real-time Q&A session in a Teams meeting and allows attendees to submit questions live through chat.	<a href="#">Ask Away</a>
Associate Insights	Associate Insights is a <a href="#">Power Apps</a> template that empowers firstline workers to directly capture and submit customer opinion, sentiment, and perception. Firstline workers are often the first company representative to engage with customers in a one-to-one point-of contact. The collected data are shared and used collaboratively by business teams, such as through a Power BI Teams tab, for product improvement and enhancing the customer experience.	<a href="#">Associate Insights</a>
Attendance	The Attendance app is a <a href="#">Power Apps</a> tab that is pinned in a team. It's designed to record presence in settings, such as learning and training environments. Users can mark or edit attendance for up to 30 days in the past and view summarized attendance reports for an entire group or individual attendees.	<a href="#">Attendance</a>
Book-a-room	Book-a-room is a <a href="#">Microsoft Teams bot</a> that allows users quickly to find and reserve a meeting room for 30, 60, or 90 minutes starting from the current time. The default time is 30 minutes. The Book-a-room bot scopes to personal or 1:1 conversations.	<a href="#">Book-a-room</a>
Building Access	Building Access is a Microsoft <a href="#">Power Platform</a> based app that supports the administration of building occupancy thresholds and social distancing norms by enabling facilities directors to manage, track, and report employee on-site presence. The app, built using Microsoft <a href="#">Power Apps</a> and <a href="#">Power Automate</a> , deeply integrates with Teams and enables organizations to determine building readiness, establish eligibility criteria for on-site access, and gather insights for future planning.	<a href="#">Building Access</a>
Celebrations	Celebrations is a Teams app that helps team members to celebrate each others' birthdays, anniversaries, and other recurring events. It remembers special occasions of all the team members and sends a friendly message in all the teams selected at the time of event creation, to make the team members feel special on their day. The app provides an easy interface for all the team members to personally add	<a href="#">Celebrations</a>

Name	Scenario	GitHub link
	and view their events and also allows the user to select the teams in which the events get shared.	
Classroom Drop-in	Classroom Drop-in is a Microsoft <a href="#">Power Platform</a> -based app that enables system leaders to find class teams, means virtual classrooms and add themselves or others to these class teams for a specified drop-in period, as needed. The app built using Microsoft <a href="#">Power Apps</a> and <a href="#">Power Automate</a> , deeply integrates with Teams to ensure educational institutes can optimize their operations in a hybrid learning environment by providing access to relevant stakeholders for class teams per business requirements.	<a href="#">Classroom Drop-in</a>
Contact Group Lookup	The Contact Group Lookup app provides a convenient and useful approach to creating, accessing, and managing your organization's contact groups, formerly known as distribution lists or communication groups. Users can quickly view and chat with group members, view member status, and create a group chat with selected members in the contact group, all within the Teams environment.	<a href="#">Contact Group Lookup</a>
Co-worker Appreciate	The co-worker appreciation template in Teams helps users to recognize their colleagues' achievements within the Teams' context. When co-workers select to reward a colleague, recipients and other team members are tagged in a channel conversation and they receive a notification about the channel's award details. The awards are recorded in the Teams app, which is secure, portable, and easily shareable. This is considered as the PowerApps based version of the Open Badges app template, with a leaderboard.	<a href="#">Co-worker Appreciation</a>
CrowdSourcer	CrowdSourcer is a <a href="#">Microsoft Teams bot</a> that gives teams queried information sourced collaboratively from group members. It helps to answer frequently asked questions while enabling participants to actively engage in and contribute to a fun and helpful information resource.	<a href="#">CrowdSourcer</a>
Custom Stickers	Self-expression is core to a healthy team culture. This app template is a <a href="#">message extension</a> that enables your users to use custom stickers and GIFs within Teams. This template provides an easy web-based configuration experience where anyone with configuration access can upload the GIFs, stickers, and images they want their users to have, allowing your entire team to use any set of stickers you choose. This app also enables easy sharing of images, GIFs, stickers across teams without needing access to SharePoint sites or individual channels as storage and sharing mechanisms. For example, product teams can easily share product images	<a href="#">Custom Stickers</a>

Name	Scenario	GitHub link
	and GIFs to social media, marketing, and sales teams programmatically. One can also extend this app by triggering a notification flow to specific teams or individuals when new images, and GIFs are made available.	
Employee Ideas	<p>The Employee Ideas app is the PowerApps version of the Azure based Great Ideas app template. The app enables the Teams users to set up and configure an idea campaign. An idea campaign is a category for grouping ideas around common themes. Teams users can also perform the following activities:</p> <ul style="list-style-type: none"> <li>Configure a standard submission form that employees must submit for each idea.</li> <li>Review and manage the ideas and list of campaigns.</li> <li>Modify and delete campaigns.</li> <li>Review leader boards of ideas.</li> <li>Vote for and share prioritized ideas.</li> <li>Submit ideas for a campaign.</li> <li>View other team member's idea.</li> <li>Vote on most liked ideas.</li> <li>Review the performance of their ideas compared with others within a campaign.</li> </ul>	<a href="#">Employee Ideas</a>
E-Prescriptions	E-Prescriptions is a <a href="#">Power Apps</a> based app that enhances telemedicine and virtual care by automating the process of issuing e-prescriptions to patients. Medical professionals can quickly review appointments, generate e-prescriptions, and send emails with e-prescription attachments to patients directly within the Teams platform.	<a href="#">E-Prescriptions</a>
Employee Training	Employee training is a Microsoft Teams app that enables organizers to easily publish, track, and promote learning and training events for your organization. With the app, event planners can send reminders and notifications to event registrants and employees can indicate interest in upcoming events, stay updated on current events, and share event details with colleagues through the Teams message extension.	<a href="#">Employee Training</a>
Expert Finder	Expert Finder is a <a href="#">Microsoft Teams bot</a> that identifies specific organization members based on their skills, interests, and education attributes. Members find experts within an organization that match a keyword search of Microsoft Azure Active Directory (Azure AD) user profiles.	<a href="#">Expert Finder</a>
FAQ Plus App	Conversational Q&A bots are an easy way to provide answers to frequently asked questions by users. But, most bots fail to engage with users in meaningful way because	<a href="#">FAQ Plus App</a>

Name	Scenario	GitHub link
	<p>there's no human in the loop when the bot fails. FAQ bot is a friendly Q&amp;A bot that brings a human in the loop when it's unable to help. One can ask the bot a question and the bot responds with an answer if it's contained in the knowledge base. If not, the bot allows the user to submit a query, which then gets posted to a pre-configured team of experts who help to provide support by acting upon the notifications from within the team itself.</p>	
Get Support App	<p>The Get Support app is used by organizations that are using Teams, to enable any set of users to request assistance from supervisors. This app includes the following features:</p> <ul style="list-style-type: none"> <li>Requesting assistance on different categories from a Power App.</li> <li>Notifications sent to requestors informing them of who is assigned.</li> <li>Notifications sent to assigned supervisors informing them of who needs assistance.</li> <li>Analyzing escalations and patterns in SharePoint and Power BI.</li> </ul>	<a href="#">Get Support App</a>
Goal Tracker	<p>The Goal Tracker app is a comprehensive solution for your organization to support establishing goals, observing progress, and acknowledging success within Microsoft Teams. The app enables users to set, track, and update objectives on a professional, personal, and team level. Team members also receive timely reminders and status updates to remain focused and stay on track.</p>	<a href="#">Goal Tracker</a>
Great Ideas	<p>The Great Ideas app supports and empowers innovation and creativity within your organization. The app enables your employees to share ideas with colleagues and leadership, discover new submissions, spotlight contributions for peer consideration, and cast their vote for the best proposals within Microsoft Teams.</p>	<a href="#">Great Ideas</a>
Group Activities	<p>Group Activities is a Teams app that makes it easy for team owners to quickly create activity groups and manage collaboration workflows within the context of Teams. Activity authors are enabled to create activities, randomly distribute team members in groups, and optionally have the bot send reminders until activities are complete.</p>	<a href="#">Group Activities</a>
Group Connect	<p>Group Connect is a Microsoft Teams app that helps organization members discover employee groups and find information relevant to employee groups. The app comes built-in with rich capabilities for organization leaders to communicate with their employees regarding groups,</p>	<a href="#">Group Connect</a>



Name	Scenario	GitHub link
	events, and resources. The Group Connect app also matches group members with each other at their desired frequency to encourage networking and cohesion within a group. For more information on how you can use the Group Connect app to help employee groups foster within your organization, see the app on GitHub.	
Grow Your Skills	The Grow Your Skills app supports professional growth and development by enabling employees to contribute to supplemental projects for your organization while simultaneously learning new skills. Employees can use the app to locate opportunities that meet their interests, enjoy meaningful collaboration with peers, and acquire new levels of expertise and capabilities, all within the Teams environment.	<a href="#">Grow Your Skills</a>
HR Support	HR Support bot is a friendly Q&A bot that brings a support professional or expert from the HR team in the loop when it's unable to help. One can ask the bot a question and the bot responds with an answer if it's contained in the knowledge base. If not, the bot allows the user to submit a query, which then gets posted in a pre-configured team of experts who are help to provide support by acting upon the notifications from within their team itself. Additionally, the bot suggests links to recommended HR policies or questions by searching for pre-configured tags in the question. These tiles are found in the associated tab as a quick reference. HR Support works well for light weight Q&A and to provide quick support when launching new projects or initiatives in the organization.	<a href="#">HR Support</a>
Icebreaker	Icebreaker is a <a href="#">Microsoft Teams bot</a> that helps your team get closer by pairing two random team members up every week to meet. The bot makes scheduling easy by automatically suggesting free times that work for both members. Strengthen personal connections and build a tightly knit community with this app. In addition to encouraging personal connections across your entire team, the Icebreaker app can help cultivate interest-based communities within your organization. For example, you can use this app for a DevOps interest group to help ideas and best practices organically spread across your organization.	<a href="#">Icebreaker</a>
Incentives	Incentives is a <a href="#">Power Apps</a> template that manages and tracks incentivized employee participation in designated activities, such as trainings and change management initiatives. Admins use the app to establish designated activities, assign points for completion, and specify required	<a href="#">Incentives</a>



Name	Scenario	GitHub link
	eligibility point levels for rewards. Employees use the app to view their accumulated points and, upon reaching eligibility, request and claim redeemable rewards.	
Incident Reporter	Incident Reporter is a <a href="#">Microsoft Teams bot</a> that optimizes the management of incidents in your organization. The bot facilitates automated incident data collection, customized incident reports, relevant stakeholder notifications, and end-to-end incident tracking.	<a href="#">Incident Reporter</a>
Inspection	Inspection is a Teams app that enables front line workers to inspect anything from locations to assets and equipments. For example, a retail store, manufacturing plant, or vehicles and machines. There are two apps in this solution, each intended for different types of users. The app empowers the front line workers to inspect an asset or area, to manage quality of products and services, or maintain safety at workplace. It facilitates communication between team members to address issues found during inspection. The app provides simple reports for managers to expedite issue resolution and highlight trends.	<a href="#">Inspection</a>
Issue Reporting	The Issue Reporting app empowers the employees and managers to raise and manage issues. It consists of two apps, Issue reporting app for reporting issues and Manage Issues app for managing issues. The team managers use the Manage Issues app to configure the app experience, including the channel in which Teams messages and Planner tasks are created by the app. Managers also use the app to create template forms to collect details when a user reports an issue. For example, review, edit, or delete issue template forms. The app is also used to review team issues, report on issue history, and efficiently manage issue resolution. The employees use the Issue reporting app to log issues and details required to resolve them. The app is also used to modify and resolve existing issues and get a high-level view of individual or team issues.	<a href="#">Issue Reporting</a>
New Employee Onboarding	New Employee Onboarding is an integrated Teams and <a href="#">SharePoint New Employee Onboarding Solution</a> that enables your organization to provide a consistent, high-quality onboarding experience for employees on their new-hire journey. The app is used by human resource teams and hiring managers to provide relevant information throughout the orientation and induction process and by new hires to share feedback, provide introductions, and complete onboarding tasks.	<a href="#">New Employee Onboarding</a>

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Open Badges	Open Badges is a Teams app that enables individuals to earn digital learning credential badges within the Teams context and share them everywhere. Using capabilities from the third-party digital badge issuing authority, <a href="#">Badgr</a> , awarded badges are recorded in a recipient's Badgr profile and available to build and share a rich picture of lifetime learning journeys.	<a href="#">Open Badges</a>
Quick Responses	Quick Responses is a Teams app that delivers a robust solution for effectively answering users' commonly asked questions FAQs. Instead of answering each query manually and continuously repeating information, the app builds a library of responses for an interactive user experience through Teams <a href="#">message extensions</a> .	<a href="#">Quick Responses</a>
Rapid Assist	Rapid Assist is a Microsoft <a href="#">Power Platform</a> based app that allows customer facing associates to rapidly connect with the experts to get quick answers, search for information, follow up open requests, and allow experts to receive notifications to quickly get on a call to help answer questions. The app built using Microsoft <a href="#">Power Apps</a> and <a href="#">Power Automate</a> , deeply integrates with Teams to enable organizations to easily connect frontline workers with corporate liaisons to resolve customer queries and deliver a great customer experience.	<a href="#">Rapid Assist</a>
Reflect	Reflect is a custom Teams <a href="#">message extension</a> app that provides a safe and inclusive resource for your team members to share the state of their emotional well-being with colleagues or group leaders directly within Teams. The app is available in channel, group, meeting, and 1:1 chats and the check-in response is set to public, private-to-sender, or fully anonymous.	<a href="#">Reflect</a>
Remote Support	Remote Support is a <a href="#">Microsoft Teams bot</a> that provides a focused interface between support requesters throughout your organization and the internal support team. End-users can submit, edit, or withdraw requests for support and the support team can respond, manage, and update requests all within the Teams platform.	<a href="#">Remote Support</a>
Request-a-team	Request-a-team is a Teams app that optimizes new team creation for your enterprise organization. The app supports standardization and best practices when creating new team instances through the integration of a wizard-guided request form, an embedded approval process, a request status dashboard, and automated team builds.	<a href="#">Request-a-team</a>

Name	Scenario	GitHub link
Scrums for Channels	Scrums for Channels is a scrum assistant app that enables users to schedule and run scrums in channels within Teams. The app is great for remote teams and teams comprised of members from varied geographical locations and time zones to share daily updates and ensure participation in scrum stand-up meetings.	<a href="#">Scrums for Channels</a>
Scrums for Group Chat	The Scrums Status app template is updated and called as Scrums for Group Chat. Scrums for Group Chat is a supportive scrum assistant that enables group chat members to run asynchronous stand-up meetings and easily share their daily updates. It allows all members of the group chat to contribute to the scrum and view the updates made by others in the running scrum.	<a href="#">Scrums for Group Chat</a>
Share Now	The Share Now app promotes the positive exchange of information between colleagues by enabling your users to easily share content within the Teams environment. Users engage the app to share items of interest with team members, discover new shared content, set preferences, and bookmark favorites for later reading.	<a href="#">Share Now</a>
SharePoint List Search	Collaboration in Teams often references information contained within items in a SharePoint list. Paste a link to the item in question forces everyone to switch context away from the conversation, find the needed information, then return to Teams to continue the conversation. As the conversation continues people have to switch back to the reference item multiple times to verify new comments and refresh their memories of the information contained within the item. This context switching creates a barrier to smooth collaboration. To resolve this problem, the List Search app template is used. Many users use SharePoint to power some of the core workflows in their organizations. However, collaborating around lists is difficult. Using the List Search app template in Teams, users can insert information from SharePoint list items directly within a chat conversation to alleviate the context-switching caused when simply inserting a link into a chat. The information is inserted as an easy-to-read autoformatted card, helping the users stay engaged in the conversation.	<a href="#">SharePoint List Search</a>
Staff Check-ins	Staff Check-ins is a <a href="#">Power Apps</a> based app that enables oversight communication between your business and field personnel. Staff can easily provide time-critical information and status updates on either a scheduled or ad-hoc basis directly from Teams. The app supports real-time location,	<a href="#">Staff Check-ins</a>

Name	Scenario	GitHub link
	photos, notes, reminder notifications, and automated workflows.	
Time Tally	A project can include multiple tasks, and various projects can be assigned to employees. Managers are required to understand the project progress through the time spent by the employees on these tasks. This can be a cumbersome activity, as the employees need to fill in the timesheets. Time Tally app enables employees to fill their timesheets quickly, using the mobile device, and managers don't have to follow up with employees on the timesheet entry. Managers get to view the project utilization based on resources, and they can approve or reject the entries. Reminder notifications are sent to ensure timesheet compliance. Also, historical data and utilizations are available for analytics.	<a href="#">Time Tally</a>
Tournament of Teams	Champions are critical in helping drive adoption and developing new tournaments, helping in your business goals. Ensure that you're using your Champions to help identify and build new adoption-themed tournaments, and inspire your organization to learn and participate.	<a href="#">Tournament of Teams</a>
Virtual Rounding	Hospital and emergency room providers make many <b>rounds</b> per day. These quick check-ins on patients are intended to provide a status check on how the patient is doing and ensure that the patient's concerns are addressed. While rounding is an essential practice to ensure patients are being monitored by multiple types of providers, they represent a huge drain on PPE, because for each visit, from each provider, a new mask, and new set of gloves are used. With this app templates, medical workers can easily conduct rounds virtually, through a Teams meeting between the provider and the patient. The Virtual Rounding solution is also referenced in the Microsoft Health and Life Sciences <a href="#">blog post</a> .	<a href="#">Virtual Rounding</a>
Visitor Management	The Visitor Management app enables your organization and employees to easily and efficiently manage the on-site visitor process, directly from Teams. The app enables employees to create visitor requests, centrally track a request status through the visitor dashboard, and receive real-time notifications when a visitor arrives.	<a href="#">Visitor Management</a>
Water Cooler	Water Cooler is a custom Teams app that enables corporate teams to create, invite, and join casual conversations among teammates, such as those that take place by the Water Cooler or break room. Use this template for multiple scenarios, such as new non project related announcements,	<a href="#">Water Cooler</a>

Name	Scenario	GitHub link
	<p>topics of interest, current events, or conversations about hobbies. The app provides an easy interface for anyone to find an existing conversation or start a new one. It's a foundation for building custom targeted communication capabilities, promoting interaction amongst coworkers who may otherwise not get a chance to socialize during breaks. Key features are:</p> <p><b>Water Cooler Home Page:</b> You can browse existing rooms where team members are interacting in existing conversations with certain people or topics of interest. Active conversations on the <b>Home Page</b> show a room name, short description, call duration, and room image.</p> <p><b>Join room:</b> Use the <b>Join room</b> feature to join an ongoing conversation immediately. Select <b>Join</b> from active conversations to join the room.</p> <p><b>Room creation:</b> Use the <b>Room creation</b> feature to create a Teams call or chat for all attendees to interact. Create rooms easily by specifying the room name, short description, up to five colleagues as an initial group and selecting from the provided set of room images.</p> <p><b>Find room:</b> Use the <b>Find room</b> feature to search keyword, which matches with the topic or short descriptions of ongoing conversations.</p> <p><b>Attendee invitation:</b> Use the <b>Attendee invitation</b> feature to invite more users after room creation. This is similar to Teams call.</p> <p><b>App badge:</b> The <b>Water Cooler</b> icon on the left menu shows a badge with the number of active conversations visible from Teams while using any app.</p>	
Workplace Awards	<p>Workplace Awards is a Teams app template that provides a positive framework to foster recognition and encourage the culture of employee appreciation in the modern workplace. The app enables you to setup and manage an employee rewards and recognition, called R&amp;R program where employees can easily nominate and endorse colleagues and your R&amp;R leader can view submitted nominations, grant awards, and announce recipients.</p>	<a href="#">Workplace Awards</a>

To provide feedback, see [App template feedback](#) .

## See also

- [Integrate web apps](#)
- [Understand Microsoft Teams app capabilities](#)
- [Designing your personal app for Microsoft Teams](#)

- [Design System](#)
- [Transition conversations from bot to human](#)
- [How to deploy Teams app templates](#)