func (a *App) CreateChannel(c *request.Context, channel *model.Channel, addMember bool) (*model.Channel, *model.AppError) {
    channel.DisplayName = strings.TrimSpace(channel.DisplayName)
    if nErr != nil {
        var invErr *store.ErrInvalidInput
        var cErr *store.ErrConflict
        var ltErr *store.ErrLimitExceeded
        var appErr *model.AppError
        switch {
        case errors.As(nErr, &invErr):
            switch {
            case invErr.Entity == "Channel" && invErr.Field == "DeleteAt":
                return nil, model.NewAppError("CreateChannel", "store.sql_channel.save.archived_channel.app_error", nil, "", http.StatusBadRequest)
            case invErr.Entity == "Channel" && invErr.Field == "Type":
                return nil, model.NewAppError("CreateChannel", "store.sql_channel.save.direct_channel.app_error", nil, "", http.StatusBadRequest)
            case invErr.Entity == "Channel" && invErr.Field == "Id":
            }
        case errors.As(nErr, &cErr):
        case errors.As(nErr, &ltErr):
        case errors.As(nErr, &appErr):  // in case we haven't converted to plain error.
            return nil, appErr
        default:  // last fallback in case it doesn't map to an existing app error.
        }
    }
}
Ship fast and stay aligned

Building and operating software is hard work. Developers can be frustrated with fragmented tools and fragile workflows. Teams need to integrate critical systems, automate routine tasks and build customized workflows for effective digital operations.

We help you stay productive and collaborate outside of code by aligning your tools, people, and processes all in one place.

<table>
<thead>
<tr>
<th>Industry challenges</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Time:</strong> You’re moving fast, being interrupted, losing momentum on mundane tasks, and can’t find key documents when you need them.</td>
</tr>
<tr>
<td><strong>Teams:</strong> It’s easy to lose sight of long-term plans in dynamic environments where people and data are siloed and there’s information overload.</td>
</tr>
<tr>
<td><strong>Tools:</strong> Complex technology stacks and multi-step, manual workflows result in integration workarounds and fragile processes that break constantly.</td>
</tr>
</tbody>
</table>

Why developers ❤ Mattermost

<table>
<thead>
<tr>
<th>Developer-Centric Design</th>
<th>Data Control &amp; Security</th>
<th>Integrates with Your Tool Chain</th>
<th>Open Source &amp; Yours to Customize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mattermost brings together communication, collaboration, and workflow management across your tools with features that help you collaborate when coding, sprint planning, deploying, and during outages and support escalations.</td>
<td>From safeguarding intellectual property to ensuring national security, Mattermost is designed to help developers work faster and smarter while maintaining security and compliance.</td>
<td>Mattermost provides a single point of collaboration that connects the best-of-breed developer tools your team uses every day and can be customized to fit your specific needs. Spend less time toggling between tools and more time coding and building.</td>
<td>Open source for investment protection with no lock-in and a force-multiplying community of over 4500 contributors. Community innovation and a transparent roadmap build trust and a culture of sharing and support.</td>
</tr>
</tbody>
</table>

Try it Now or Connect with an Expert
A Collaboration Platform Built for Developers

Give your teams space to excel by removing operational obstacles across the entire development lifecycle. Centralize your knowledge base in a single integrated and extensible platform with conversations, checklists, voice calls, and screen sharing.

Create, run, update, and repeat processes of any scope and scale with a central source of truth for transparent and low friction collaboration across teams and tools.

Try it Now or Connect with an Expert
All of your team's communication in one place

Channels go beyond team messaging to connect your R&D tools and processes. Channels are built specifically for developer collaboration and can be customized from the UI down to the extensions that developers rely on to work effectively.

Unlimited teams and channels
1:1 and group messaging and calls
Native audio calls and screenshare
Continuous message archive
Full history search

Automation, slash commands, bot integrations
Rich Markdown formatting and code snippets
Code syntax highlighting
Use like a CLI with integrated tools
Bot accounts

Orchestrate workflows across tools and teams

Playbooks make any structured processes repeatable and predictable using checklists, triggers, automation, and tool integrations. Use templates to quickly codify best practices, or build a playbook from scratch with capabilities to adjust on the fly during dynamic situations.

Customizable playbooks
Prescribed and ad-hoc task checklists
Automated triggers & actions
Deep integration with Channels
Retrospective report
Retrospective timeline

Configurable templates
Data export
Status updates broadcast
Reminder and countdown timer
Stakeholder overview
Aggregate analytics
Elevate text discussions to voice conversations

Calls makes it easy for teams to adapt their communication to a wider variety of situations by launching secure audio calls with screensharing capabilities directly in Mattermost. Use Calls to swiftly triage issues, respond to incidents, and work through routine and ad hoc processes.

- One-click Start a Call button in every channel and direct message
- Screenshare with the group
- Comment on call threads and reference them later
- Keyboard shortcuts to launch, manage, and exit calls
- Emoji react and hand-raise in calls
- Join and interact with calls on mobile
- Centralized alerts and notifications

Connections

Context switching can slow down even the fastest moving development teams. Mattermost is built to integrate, extend, connect, and customize to fit your environment and unique workflows. With powerful functionality and flexible developer options to customize and extend the platform, Mattermost helps keep your team focused on the work, not the tools.

- Apps Framework
- REST API
- Custom Bots
- Interactive Messages
- Slash Commands
- Webhooks
- Plugins
- Modify Source Code
- Zapier Support

Over 600 integrations, including:
Mattermost is easily customized to meet your specific compliance requirements with fine-grained data retention, audit logs, and the ability to programmatically archive and export records. We provide full access controls and give teams the ability to set granular permissions to control access to sensitive data.

- Self-hosted deployment and database ownership
- Built-in identity & access controls
- Advanced mobile security
- Compliance auditing with oversight
- Cloud single-tenancy and data isolation
- Enterprise Information Archiving integration
- Data encryption at rest and in transit
- Full access to APIs, drivers, and open source code

Teams that ship fast trust Mattermost

Daniel Gover
IT System Administrator
crossover

“Mattermost has been unimaginably effective for our company and continues to exceed expectations with every new release. The platform helps us ensure that we’re staying HIPAA-compliant while letting our clinicians collaborate efficiently and seamlessly.”

Try it Now or Connect with an Expert
Choose Your Deployment Option

Try Mattermost for free. Within minutes you can unite your people, tools, and processes. Secure, open source, and made for developers.

Cloud
Get up and running immediately in your own private cloud instance.

Self-Hosted
Host Mattermost on your own infrastructure.

Try It Now