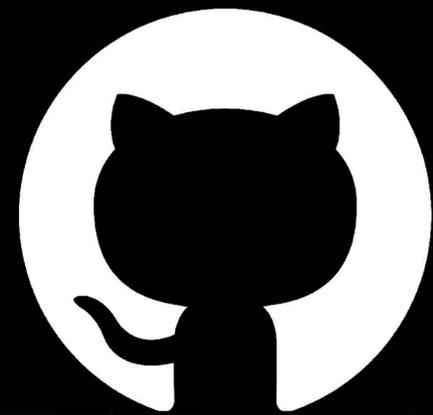


Satellite

INDIA 2021

namaste



Satellite

INDIA 2021

GitHub

GitHub is where people build software

every day

millions

of

developers

use [GitHub](#)

every day

millions

of

developers

use [GitHub](#) to

create things

that touch

billions

of

people



Satish

Satish Nankani

66|351

72|253

80

66|351

72|253

80

Deployments

* 4 Weeks Metric for GitHub ChatOps integration team of 9



Mar'2020

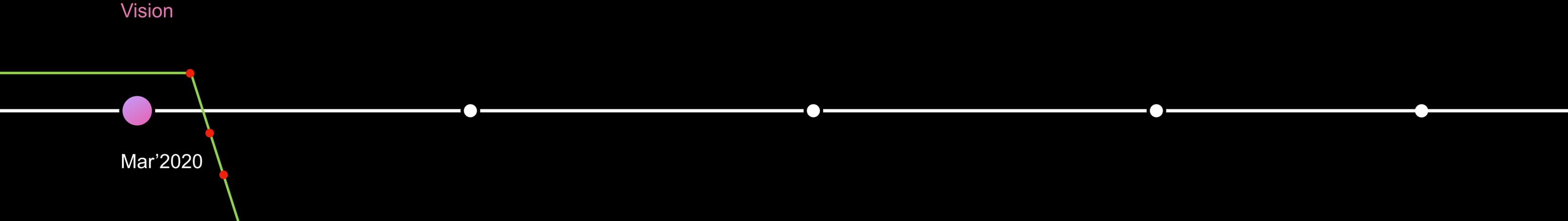
Unified ChatOps Platform

Vision

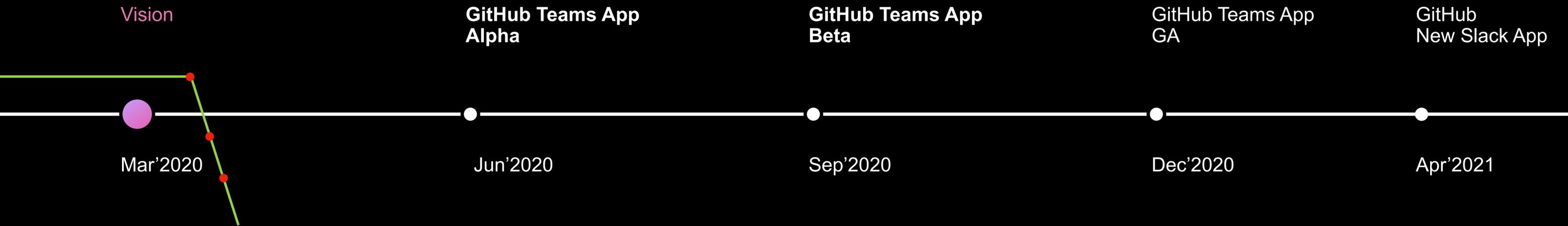
Mar'2020



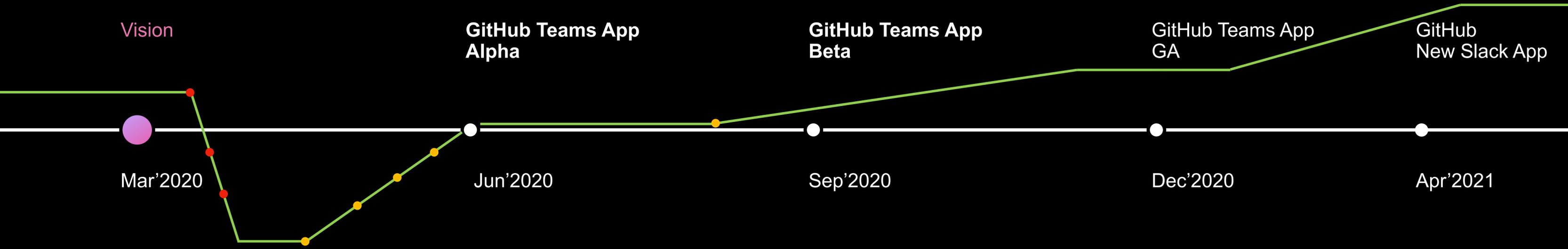
Unified ChatOps Platform



Unified ChatOps Platform



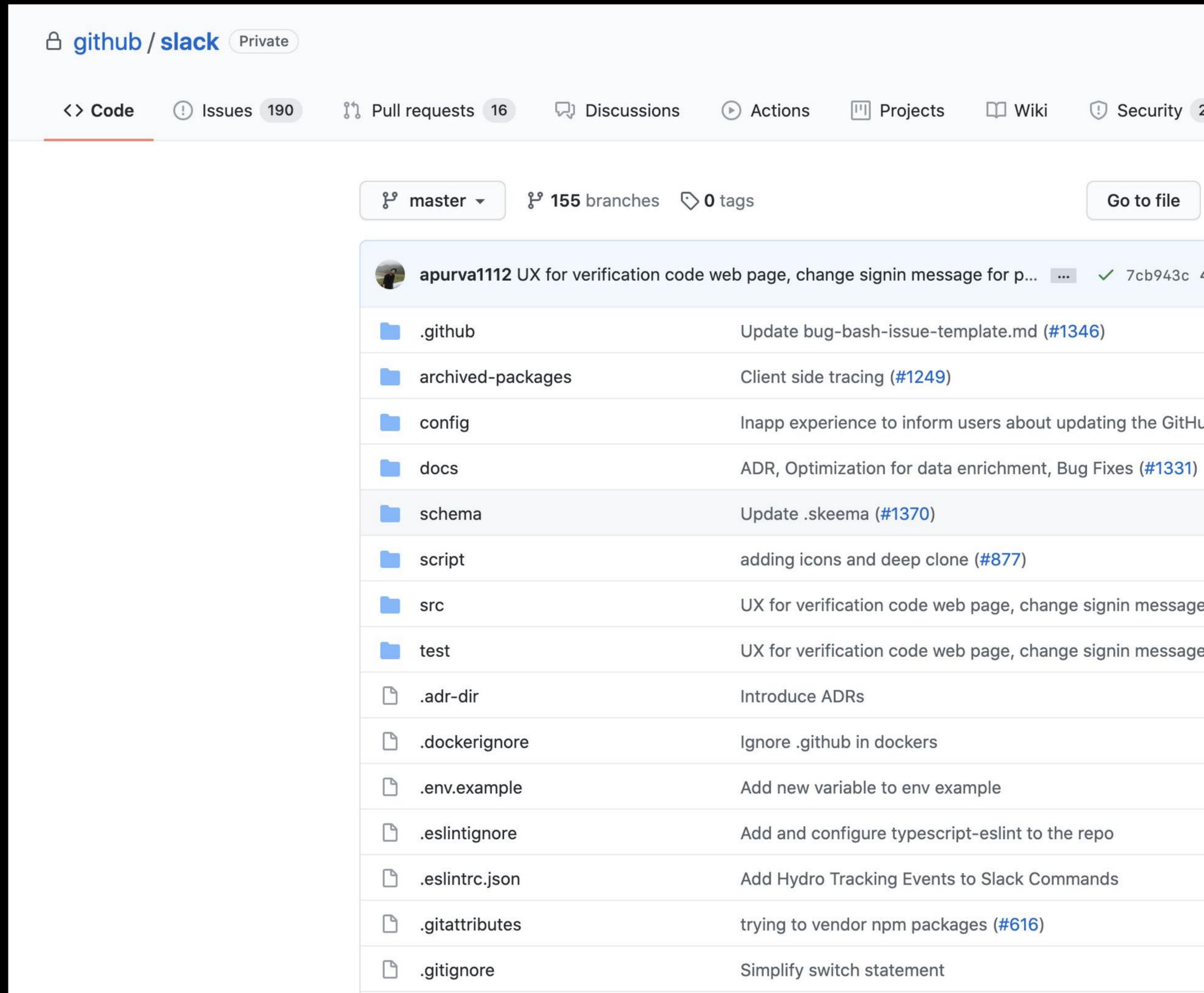
Unified ChatOps Platform



How GitHub uses GitHub for collaboration

Repo Setup

- Code in a monorepo
- Issues and Team docs separate
- Team autonomy to change day to day process
- ChatOps is a microservice
- Everything in GitHub starts with a Repository



The screenshot shows the GitHub interface for the repository 'github/slack', which is marked as 'Private'. The navigation bar includes links for Code, Issues (190), Pull requests (16), Discussions, Actions, Projects, Wiki, and Security. The repository is currently on the 'master' branch, with 155 branches and 0 tags. A commit by user 'apurva1112' is selected, titled 'UX for verification code web page, change signin message for p...'. Below the commit information, a file tree view is displayed, listing various folders and files with their corresponding commit messages and issue numbers.

File/Folder	Commit Message
.github	Update bug-bash-issue-template.md (#1346)
archived-packages	Client side tracing (#1249)
config	Inapp experience to inform users about updating the GitHub
docs	ADR, Optimization for data enrichment, Bug Fixes (#1331)
schema	Update .skeema (#1370)
script	adding icons and deep clone (#877)
src	UX for verification code web page, change signin message
test	UX for verification code web page, change signin message
.adr-dir	Introduce ADRs
.dockerignore	Ignore .github in dockers
.env.example	Add new variable to env example
.eslintignore	Add and configure typescript-eslint to the repo
.eslintrc.json	Add Hydro Tracking Events to Slack Commands
.gitattributes	trying to vendor npm packages (#616)
.gitignore	Simplify switch statement

Project Boards

- Organize & Prioritize the work
- flexibility to create customized workflows
- limit the number of in-progress epics

The screenshot displays a Jira Project Board for the project 'CE Chatops'. The board is organized into four columns: Backlog (25 items), Up Next (9 items), In progress (12 items), and Done (221 items). A search filter 'label:epic' is applied to the board. The 'In progress' column shows two epics: 'New Slack App : Release Readiness and GTM' (4 of 15 items, Green status) and 'Platform Fundamentals and Inner Sourcing' (5 of 24 items, Green status). The 'Done' column shows three epics: 'GitHub App for Microsoft Teams - Post GA' (6 of 7 items, Yellow status), 'Slack New App : Schedule Reminders' (17 of 17 items, Green status), and 'Teams GA - Features' (24 of 24 items, Green status). Each epic card includes a progress bar, the number of items completed, the chatops channel name, the creator, and assigned team members.

ISSUE TEMPLATES

Issues 190 Pull requests 16 Discussions Actions Projects Wiki Security 2 Insights Settings

 **Bug Bash Issue Template**
Template to be used while raising bugs/issues during bug bash [Get started](#)

Epic Tracking Template
Tracking issue for Epics consisting of 4-6 weeks worth of work. [Get started](#)

Features Tracking Template
Tracking issue for Features consisting of 1-2 weeks worth of work. [Get started](#)

Tasks Tracking Template
Tasks are for individual engineers (1-2 week) [Get started](#)

Report a security vulnerability
Please review our security policy for more details [View policy](#)

Don't see your issue here? [Open a blank issue.](#) [Edit templates](#)

EPIC

Slack New App : Schedule Reminders #915

Edit

New issue

 Closed amiktumariit opened this issue on 10 Nov 2020 · 18 comments



amiktumariit commented on 10 Nov 2020 · edited by snankani



Problem Statement

Schedule reminders

Goal: Users would like to get periodic reminders about PRs reviews assigned to him/her and ensure no important PRs are ignored.

Schedule reminders can be of two types:

Personal reminders: Notify in personal chat about PRs assigned to you or your team.

Channel reminders: Notify in channel about the PRs assigned to your team.

Spec Doc

EPD [\(more info\)](#)

Engineering	@snankani
Product	@ashokirla
Design	@vivek425ster

People Plan

- Proposed WIP budget. - 1
- Maximum number of Engineers that can work simultaneously on the Epic. - 3

Definition of Done (List of Features making this EPIC)

- 1. Closure on the timelines for Slack new app rollout
- 2.  Features: Spike on schedule reminder UI and back-compat
- 3.  Features: Personal schedule reminder notifications
- 4.  Features: Org level schedule reminder notifications

Assignees

-  amiktumariit
-  ashokirla
-  apurva1112
-  sushmita-m

Labels

- Epic
- Green
- Richa
- Satish
- chatops
- design
- new slack app
- ux design

Projects

-  CE Chatops
Done
-  GitHub India Epic Board
ChatOps and Integration...
-  Eco-Edu Epics Backlog
Done

Milestone

No milestone

Linked pull requests

Successfully merging a pull request may close this issue.

None yet

FEATURE

Features: Personal schedule reminder notifications #863

Edit

New issue

Closed

amitkumariit opened this issue on 5 Nov 2020 · 35 comments



amitkumariit commented on 5 Nov 2020 · edited by snankani



Problem Statement

Personal reminders: Notify in personal chat about PRs assigned to you or your team.

[Spec Doc](#)

Definition of Done

- ✓ Complete implementation for the following notifications
 - ✓ Schedule reminder notifications for personal scope
 - ✓ Pull Request Assigned to user
 - ✓ PR review requested from user
 - ✓ PR review requested from team the user is part of
 - ✓ PR is approved/ changes requested
 - ✓ Someone comments on PR
 - ✓ Someone comments on PR thread
 - ✓ User is mentioned
 - ✓ User's PR is merged
 - ✓ Merge conflicts in PR
 - ✓ Failed CI checks in PR
- ✓ Handling notifications from multiple repositories.
- ✓ Complete at mention support for messages.
- ✓ Implement strikethrough for already posted message id the user is removed from reviewers.
 - ✓ Add functionality to store the existing reminder payload in cache for 7 days.
 - ✓ Code to update the cache reminder when any PR event is received.
 - ✓ Code to fetch the reminder from cache and give back a new message on slack with strikethrough on it.
 - ✓ Design Analysis for caching optimization
 - ✓ Telemetry

Assignees

apurva1112

Labels

> ChatOps Integrations for GitHub
>> Slack New App Schedule Reminders
Feature Green Richa Satish
new slack app

Projects

CE Chatops
Done

Milestone

No milestone

Linked pull requests

Successfully merging a pull request may close this issue.

[Single sign-on](#) to view results for organizations within the Microsoft Open Source enterprise.

[Single sign-on](#) to view results within the integrations organization.

[Notifications for Scheduled Reminders an...](#)

[Reminder Notifications Bug Fixes and Unit...](#)

[Strikethrough Feature for Personal Notific...](#)

[ADR, Optimization for data enrichment, B...](#)

amitkumariit commented 26 days ago • edited

@ashokirla @snankani please validate the following behaviour on migration scenarios for subscriptions and schedule reminders. Please have a look a let me know if you see any concern.

Type of channel	behaviour with subscription	behaviour with schedule reminder
public channels	Migrated ✓	will keep working ✓
DM channel (1:1 between user and legacy bot)	Migrated ✓	personal reminders keep working ✓
	Migrated, but user explicitly need to invite the github app to	github app needs to be invited for successfully getting the notifications - Message is not posted to invite the app if there is no subscription for this channel.

All the action happens in issue

ashokirla commented 25 days ago

Thanks for investigating this @amitkumariit
We will enable this setting only for the commands that result in notifications. For non-notif commands like Open/Close/ReOpen issue commands, Help command we will enforce no such limitation to invite the app. GBP gives us advantage to in these scenarios which wasn't the case previously. So can we leverage that for action based commands and for notification based commands like subscribe and schedule we can enforce invite.

amitkumariit assigned ashokirla 24 days ago

amitkumariit commented 24 days ago

Thanks for investigating this @amitkumariit
We will enable this setting only for the commands that result in notifications. For non-notif commands like Open/Close/ReOpen issue commands, Help command we will enforce no such limitation to invite the app. GBP gives us advantage to in these scenarios which wasn't the case previously. So can we leverage that for action based commands and for notification based commands like subscribe and schedule we can enforce invite.

Thanks for confirmation. Can you also confirm if app is not there in private channel and subscribe command is run, we **won't subscribe** and only send a card with info to invite which user can separately run the `/invite` command for the bot.

Also, we would need the experience for the info being shown for invite card.

ashokirla commented 26 days ago

Thanks for creating this list @amitkumariit
For org schedule reminders, we can document it and also show this info in dotCom page. And then wait for feedback and if this is not helping we can push notification. One way ensure user is signedin is, when user tries to update the app, we will enforce them to signin before updating.

ashokirla commented 26 days ago

Based on the discussion with Amit, today the successful install message and need to invite shows up for both public and private channels but user only have to invite in private channel. Since it is not possible to detect the channel type, we will have to be transparent and give the right message.

I will scrub the welcome message and share it by Feb-25

amitkumariit commented 25 days ago • edited

Thanks for creating this list @amitkumariit
For org schedule reminders, we can document it and also show this info in dotCom page. And then wait for feedback and if this is not helping we can push notification. One way ensure user is signedin is, when user tries to update the app, we will enforce them to signin before updating.

if this is not helping we can push notification

We can post the notifications to the private channel unless the app is `invited`.

when user tries to update the app, we will enforce them to signin before updating.

We can't in-force the user to sign-in because once the flow goes into the slack installation page, from there we only get webhook once the app is installed.

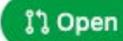
I would suggest, to build the dotcom side of API to get all the channel list for a given workspace and post the message into those channels also. This would complete the flow.
Let me know if I should go ahead with the approach. @ashokirla @snankani

PR Created by Author

Strikethrough Feature for Personal Notifications #1381

Edit

Open with ▾

 Open apurva1112 wants to merge 9 commits into `master` from `apurva1112-patch-1` 

 Conversation 14

 Commits 9

 Checks 10

 Files changed 2

+5 -5 



apurva1112 commented 2 days ago • edited ▾



This PR includes the strikethrough feature to strike off personal review notification in case of PR closed/ merged, reviewed or reviewer removed from PR.

This PR is a part of the issue  [Features: Personal schedule reminder notifications](#).

Design Changes - The new design optimises the caching storage for realtime reminder notifications for pull requests. In the new design we do not store the entire reminder and pull-request payload in cache and instead just store the minimal required information along with the PR number.

While striking off the notification, the PR payload details are taken from the webhook generated during the strikethrough event. Please read the complete design description [here](#).

User Experiences Changes - There will be no changes in the user experience with the new design. Users will still get a strikethrough over pull request review notification in case of reviewer removed, PR merged/closed, and review submission event.

Before



GitHub-New APP 3:46 PM

ori2111 requested your review on [teamBugBash/hello#8] [Create README.md](#)

After



GitHub-New APP 3:46 PM

~~ori2111 requested your review on [teamBugBash/hello#8] [Create README.md](#)~~

  Strikethrough Feature for Personal Notifications

Verified  1562eb4

  apurva1112 requested a review from amitkumariit 2 days ago

Reviewers

 amitkumariit  

 snankani  

At least 1 approving review is required to merge this pull request.

Still in progress? [Convert to draft](#)

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Linked issues

Successfully merging this pull request may close these issues.

 [Single sign-on](#) to see issues for organizations within the Microsoft Open Source enterprise.

 [Single sign-on](#) to see issues within the integrations organization.

 [Personal Notification - Strikethrough Feat...](#)

BRANCH PROTECTION

Pull requests 17 Discussions Actions Projects Wiki Security 2 Insights Settings

- Options
- Manage access
- Security & analysis
- Branches**
- Webhooks
- Notifications
- Integrations
- Deploy keys
- Autolink references
- Actions
- Environments
- Secrets
- Pages

Branch protection rule

Branch name pattern

master

Applies to 1 branch

master

Protect matching branches

- Require pull request reviews before merging**
When enabled, all commits must be made to a non-protected branch and submitted via a pull request with the required number of approving reviews and no changes requested before it can be merged into a branch that matches this rule.
Required approving reviews: 1
- Dismiss stale pull request approvals when new commits are pushed**
New reviewable commits pushed to a matching branch will dismiss pull request review approvals.
- Require review from Code Owners**
Require an approved review in pull requests including files with a designated code owner.
- Restrict who can dismiss pull request reviews**
Specify people or teams allowed to dismiss pull request reviews.
- Ignore approving reviews from pull request contributors**
When enabled, pushing to the branch after a pull request is opened will disqualify users from being eligible to approve it.

ACTIONS - Code Coverage

github / slack Private

<> Code Issues 189 Pull requests 17 Discussions Actions Projects Wiki

Strikethrough Feature for Personal Notifications #1381

Open apurva1112 wants to merge 1 commit into master from apurva1112-patch-1

Conversation 5 Commits 1 Checks 10 Files changed 1

Strikethrough Feature for Personal Notifications 1562eb4

- GitHub CI
GitHub CI / slack-docker-image
succeeded 2 hours ago in 2m 8s
- GitHub CI
on: push
- CodeQL analysis
on: push
- Code-Coverage
on: pull_request
- build (12.x)

Build 31580799

Build #31580799 succeeded in 128s

DETAILS

- Preparing Build...
- Cloning repository <https://github.com/github/slack.git>

github-actions bot commented 20 hours ago

Code coverage diff between base branch:master and head branch: apurva1112-patch-1

File	% Stmts	% Branch	% Funcs	% Lines
total	74.64 72.05	71.49 68.68	72.71 68.89	74.63 72.02
src/lib/chatops/msteams/cards-utils.ts	91.18 58.82	81.25 56.25	100 60	91.18 58.82
src/lib/chatops/msteams/resource.ts	97.73 58.33	87.5 20.83	93.94 48.48	98.32 55.46
src/lib/chatops/msteams/utls.ts	91.67	80	100	90.91
src/lib/chatops/msteams/command-handler/teams-reminder-command-handler.ts	100	100	100	100

github-actions bot commented 20 hours ago

Current PR reduces the test coverage percentage by 0.5 for some tests

A Created PR and added Reviewer(s)

- R**
- 1. Received review requested notification on Slack GitHub app**
 - 2. Navigated to PR from the link in notification**
 - 3. Reviewed the PR and left some comments for changes**



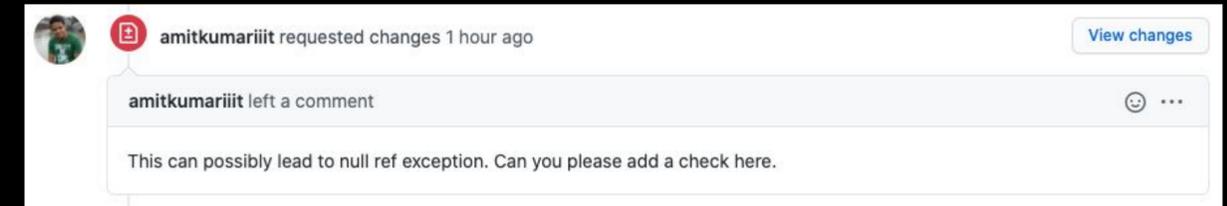
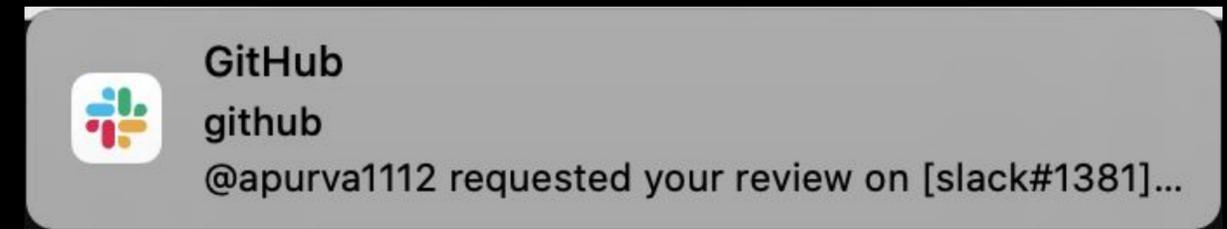
GitHub

github

@apurva1112 requested your review on [slack#1381]...

A Created PR and added Reviewer(s)

- R**
1. Received review requested notification on Slack GitHub app
 2. Navigated to PR from the link in notification
 3. Reviewed the PR and left some comments for changes



A Created PR and added Reviewer(s)

R

- 1. Received review requested notification on Slack GitHub app**
- 2. Navigated to PR from the link in notification**
- 3. Reviewed the PR and left some comments for changes**

A

- 1. Received change requested notification on Slack GitHub app**
- 2. Navigated to PR from the link in notification**
- 3. Addressed the PR comment**
- 4. @mention the reviewer**

@amitkumariit requested changes on [slack#1381] Strikethrough Feature for Personal Notifications

 apurva1112 commented 1 hour ago Author  ...

Changes Done, @amitkumariit please review again.

 apurva1112 commented 1 hour ago Author  ...

Changes Done, @amitkumariit please review again.

A Created PR and added Reviewer(s)

R

- 1. Received review requested notification on Slack GitHub app**
- 2. Navigated to PR from the link in notification**
- 3. Reviewed the PR and left some comments for changes**

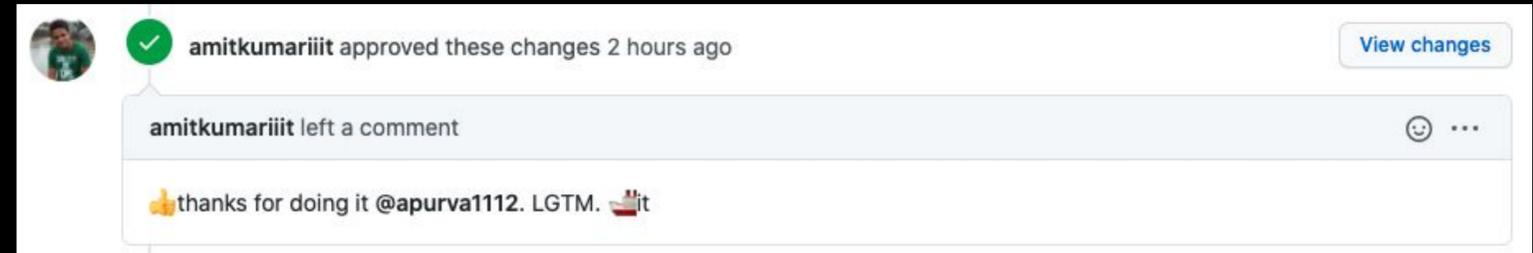
A

- 1. Received change requested notification on Slack GitHub app**
- 2. Navigated to PR from the link in notification**
- 3. Addressed the PR comment**
- 4. @mention the reviewer**

R

- 1. Received @mention notification on Slack GitHub app**
- 2. Navigated to PR from the link in notification**
- 3. Reviewed the changes**
- 4. Approved the PR**

@apurva1112 mentioned you in [slack#1381] Strikethrough Feature for Personal Notifications



amitkumariit approved these changes 2 hours ago [View changes](#)

amitkumariit left a comment

👍 thanks for doing it @apurva1112. LGTM. 🍷it

A Created PR and added Reviewer(s)

R

- 1. Received review requested notification on Slack GitHub app**
- 2. Navigated to PR from the link in notification**
- 3. Reviewed the PR and left some comments for changes**

A

- 1. Received change requested notification on Slack GitHub app**
- 2. Navigated to PR from the link in notification**
- 3. Addressed the PR comment**
- 4. @mention the reviewer**

R

- 1. Received @mention notification on Slack GitHub app**
- 2. Navigated to PR from the link in notification**
- 3. Reviewed the changes**
- 4. Approved the PR**

A

- 1. Received PR approved notification on Slack GitHub app**
- 2. Navigated to PR from the link in notification**



Deploy

#chatops-ops ★

`.who's on call chatops`



apurva1112 10:57 AM

`.deploy https://github.com/github/slack/pull/1381` to prod



hubot APP 10:57 AM

`@apurva1112` is deploying slack/apurva1112-patch-1 to production.

👉 See info on how slack is running on its [Moda App Homepage](#)



hubot APP 10:58 AM

`@apurva1112`'s production deployment of slack/apurva1112-patch-1 is done:

✅ All partitions succeeded. 6 partitions (53.00s)

Need to roll back? Use `.deploy roll back slack`

See https://ops.githubapp.com/docs/playbooks/github_deployments.md for more details.

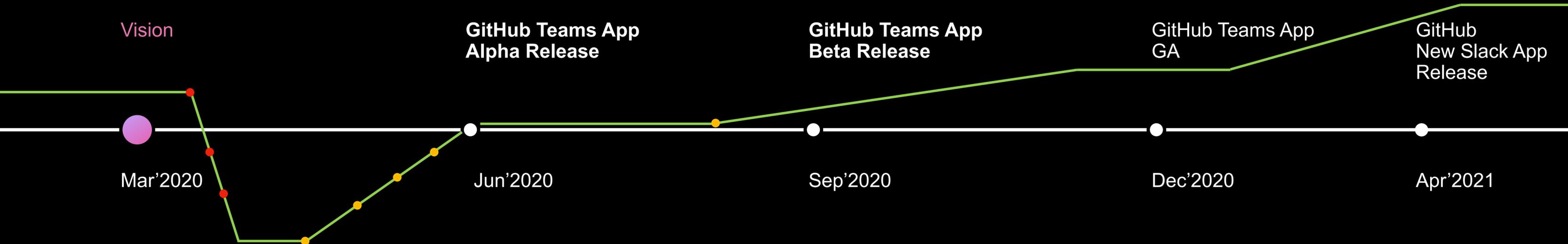
`@apurva1112`: it looks like you merged the "apurva1112-patch-1" branch into master, so I've unlocked slack in staging.

`@apurva1112`: it looks like you merged the "apurva1112-patch-1" branch into master, so I've unlocked slack in production.

Sparkle

-  **apurva1112** 11:01 AM
Hurray. This marks the completion of all features for new slack app. 🚢
All set for rolling to customers. 🙄
👍 2 ❤️ 3 🙌 3 🎉 3 😊
-  **amitkumariit** 11:03 AM
.sparkle @sushmita-m @apurva1112 for building new new slack app for such a short span 🎉
-  **hubot** APP 11:03 AM
Awww yiss, :sushmita-m: now has 8 ✨ points!
Awww yiss, :apurva1112: now has 5 ✨ points!
-  **gauravsaralms** 11:03 AM
.sparkle @apurva1112 @amitkumariit @sushmita-m for doing a great job in shipping the new slack app. 🐾
-  **hubot** APP 11:03 AM
Awww yiss, :apurva1112: now has 6 ✨ points!
Awww yiss, :amitkumariit: now has 4 ✨ points!
Awww yiss, :sushmita-m: now has 9 ✨ points!

Unified ChatOps Platform



66|351

72|253

80

66|351

issues

issue

closed

comments

72|253

PRs

PR

closed

comments

80

Deployments

66|351

issues

issue

closed

comments

72|253

PRs

PR

closed

comments

80

Deployments

* 4 Weeks Metric for GitHub ChatOps integration team of 9

