

Slack for Mac



Team 7312 Accelerate

Seong, Kirill, Quyen, Jack and Luming



6M+

daily active users



50k+

paid enterprise teams



53

supported languages



or Mac and the app they had native app.

t, no? Changing
onds, and the new
slow.

Il ~ kind of the
ve running on my

| | | | |
|--------------------|-----|---------|-----------------|
| Docker | 1.1 | No | mattheworiordan |
| iStat Menus Status | 1.1 | No | mattheworiordan |
| Voila | 0.8 | No | mattheworiordan |
| Dropbox | 0.8 | No | mattheworiordan |
| GoogleTalkPlugin | 0.7 | No | mattheworiordan |
| Google Drive | 0.6 | No | mattheworiordan |
| VoilaHelper | 0.3 | No | mattheworiordan |
| Finder | 0.2 | 0.06 No | mattheworiordan |
| Alfred 3 | 0.2 | 0.05 No | mattheworiordan |

Where's all my CPU and memory gone? The answer: Slack

Slack resource usage scales linearly as you add more accounts to your desktop app. Use it wisely if you care about your battery life.

medium.com

Slack's failed to boot up, and
app, or dropping us a line: sup

5:01 AM - 28 Jul 2017

70 Retweets 110 Likes



7

70

110

✉

11:41 PM - 18 Nov 2017

1

✉

❤



Carlos Alexandre Becker

@caarlos0

Follow

slack for mac is really slow to open here.

anyone else had this problem? Should I
clean it up and re-login everywhere?

5:55 AM - 15 Sep 2017

7

70

110

✉



jason
@_nosaj

Slack and Atom
using ~250 threads
sloooooowwww...



Process Name
Google Chrome
Slack
Atom
Core Sync
Atom Helper



Ivan Storck

Follow

Follow

to open here.

m? Should I
ywhere?

Follow

o have to be so
service, when it



Follow

Slack and Atom are idle in the background
using ~250 threads. Electron =
sloooooowwww...

| Process Name | % CPU | CPU Time | Threads | Idle Wake Ups |
|----------------------|-------|----------|---------|---------------|
| Google Chrome | 1.9 | 37:05.93 | 42 | 16 |
| Slack | 0.2 | 55.59 | 38 | 3 |
| Atom | 0.0 | 53.90 | 32 | 0 |
| Core Sync | 0.1 | 1:01.55 | 28 | 6 |
| Atom Helper | 1.3 | 1:08.30 | 28 | 30 |
| Atom Helper | 1.2 | 50.30 | 26 | 26 |
| Google Chrome Helper | 9.0 | 6:31.66 | 26 | 66 |
| Slack Helper | 0.4 | 40.49 | 24 | 4 |
| Slack Helper | 0.0 | 28.68 | 21 | 1 |
| Slack Helper | 0.0 | 14.49 | 19 | 0 |
| Slack Helper | 0.0 | 19.41 | 19 | 0 |
| Slack Helper | 0.0 | 23.12 | 19 | 1 |
| Slack Helper | 0.0 | 19.59 | 19 | 0 |
| Google Chrome Helper | 0.0 | 35.22 | 18 | 0 |

10:18 PM - 23 Nov 2017

1 Like



1



1



1 Retweet 3 Likes



3

1

3



Connor Hicks

@cohix

Follow



So... slack for mac is shit, no? Changing channels takes 30+ seconds, and the new emoji picker is insanely slow.

5:04 AM - 14 Aug 2015



Kai Koenig

@agentK

Follow



The Slack Mac app is still ~ kind of the biggest piece of [REDACTED] I have running on my Mac.

7:32 AM - 18 Oct 2017



Slack resource usage scales linearly with the number of users in the app. Use it wisely if you care about your system's performance. medium.com

5:01 AM - 28 Jul 2017

70 Retweets 110 Likes



Carlos Alexandre

@caarlos0

slack for mac is

anyone else had the same issue? clean it up and

5:55 AM - 15 Sep 2017



Ivan Storck

@ivanoats

Why does the Mac version of Slack work terribly slow... reboots every few hours....

8:34 AM - 16 Nov 2017

y does slack for mac
sucks :(

Follow

or Mac and the app
they had native app.

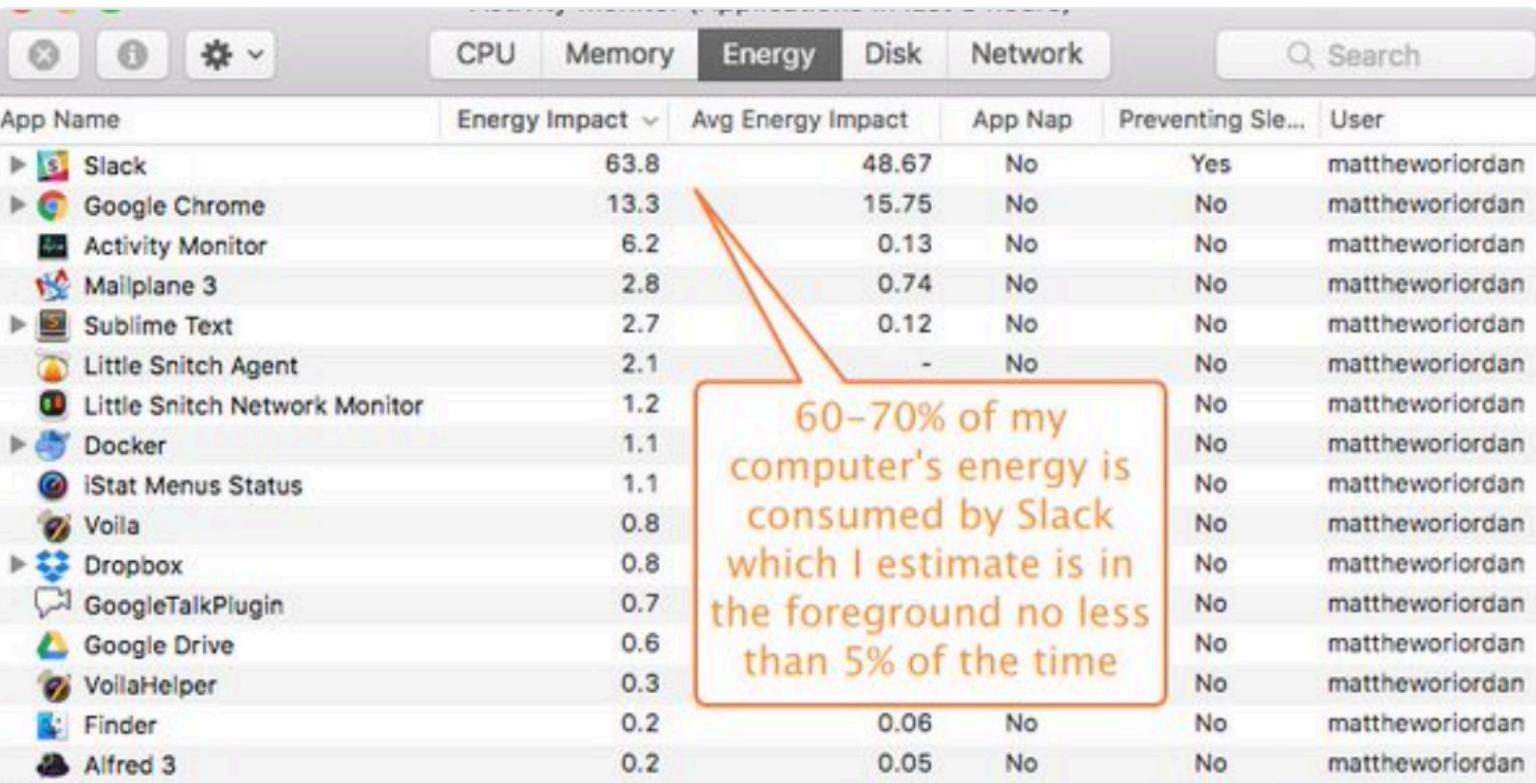
Follow

t, no? Changing
onds, and the new

Hacker News
@newsycombinator

Follow

Where's all my CPU and memory gone? The answer: Slack



A screenshot of the iStat Menus application showing the Energy tab. The table lists various applications and their energy impact. Slack is at the top with an energy impact of 63.8, followed by Google Chrome (13.3), Activity Monitor (6.2), Mailplane 3 (2.8), Sublime Text (2.7), Little Snitch Agent (2.1), Little Snitch Network Monitor (1.2), Docker (1.1), iStat Menus Status (1.1), Voila (0.8), Dropbox (0.8), GoogleTalkPlugin (0.7), Google Drive (0.6), VoilaHelper (0.3), Finder (0.2), and Alfred 3 (0.2). An orange callout box points to the Slack row with the text: "60-70% of my computer's energy is consumed by Slack which I estimate is in the foreground no less than 5% of the time".

Where's all my CPU and memory gone? The answer: Slack

Slack resource usage scales linearly as you add more accounts to your desktop app. Use it wisely if you care about your battery life.

medium.com

5:01 AM - 28 Jul 2017

70 Retweets 110 Likes

Follow

7 70 110



imzeeshan
@imzeeshan

@SlackHQ I get
plans to move or
use Slack for Team
Slack App's perf

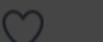
Som

Slack's failed to boot up, and
app, or dropping us a line: sup

11:41 PM - 18 Nov 2017

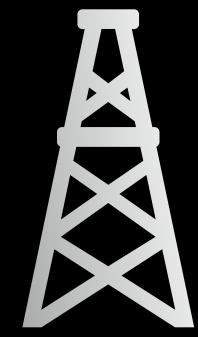


1 1

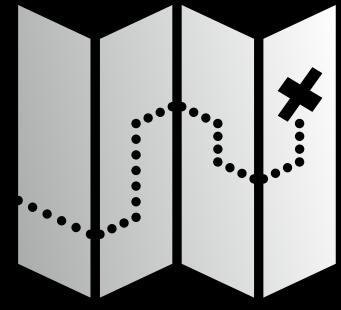


Real people. Not competitors.

**“ Is this an answer seeking for questions,
or is this a question seeking for answers? ,”**



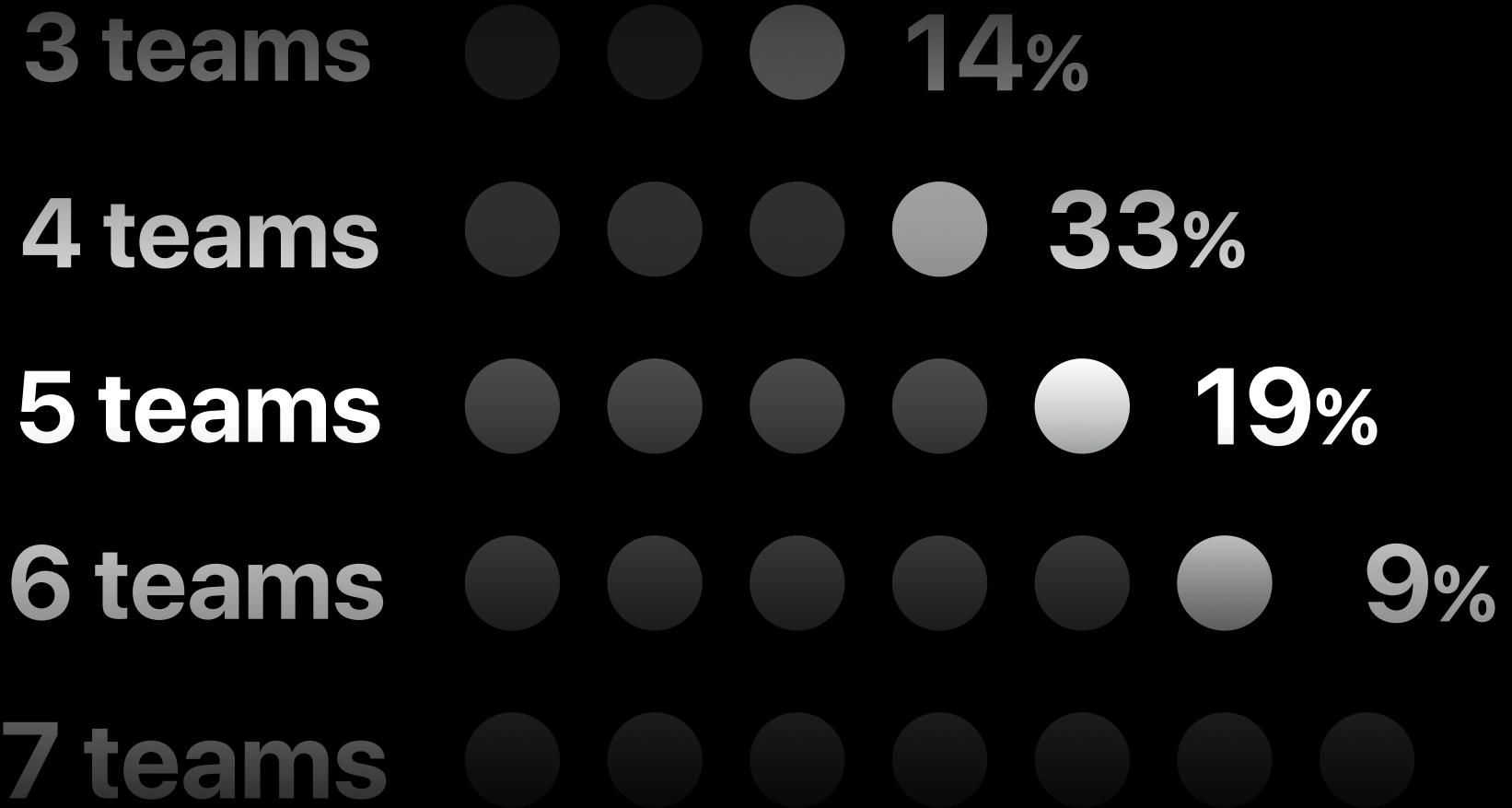
Importance

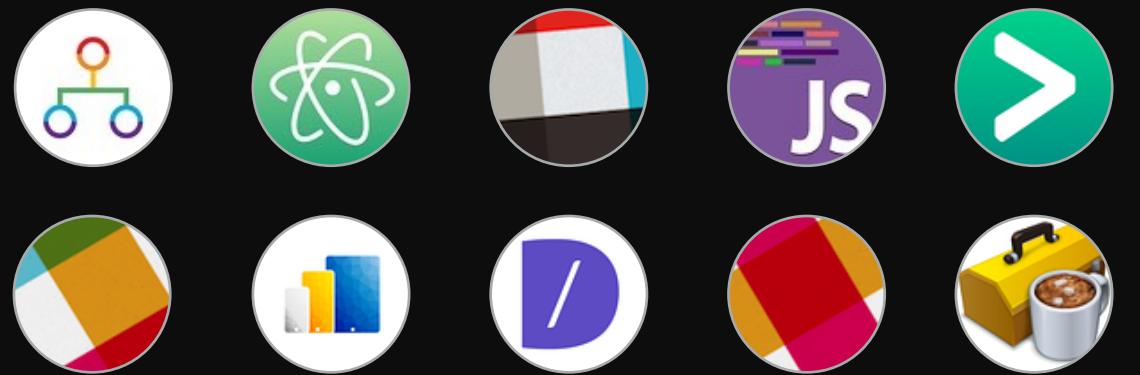


of Teams



Speed & Design



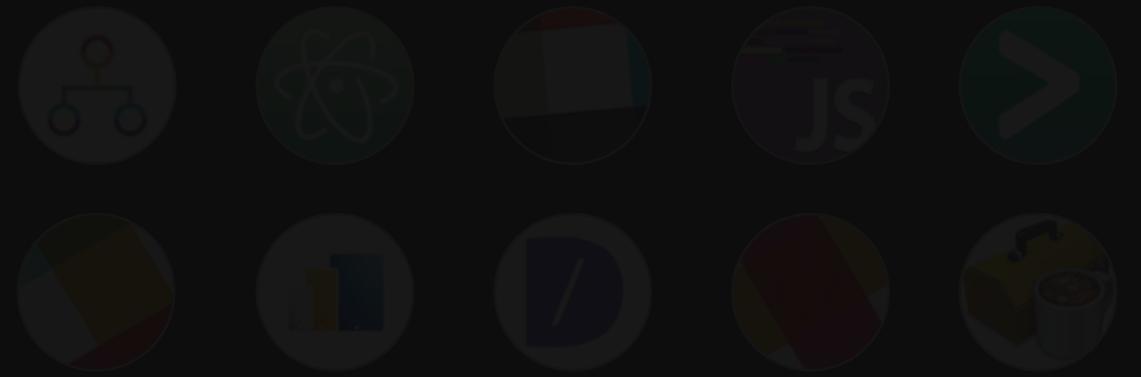


18%

very unsatisfied team switching speed

47%

not completely satisfied with launch speed



18%

very unsatisfied team switching speed

47%

not completely satisfied with launch speed



I use Slack to collaborate with my colleagues all the time, but the app just has **too many colors** with that alone makes the experience too distracting

I am a part of several teams, therefore I constantly switch between teams and it takes **too many clicks**

Communication is at its best when we react to others' thoughts, but that takes **steps**
steps
steps
steps
steps
steps
too many

I use Slack to collaborate with my colleagues all the time, but the app just has **too many colors** with that alone makes the experience too distracting

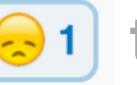
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steps
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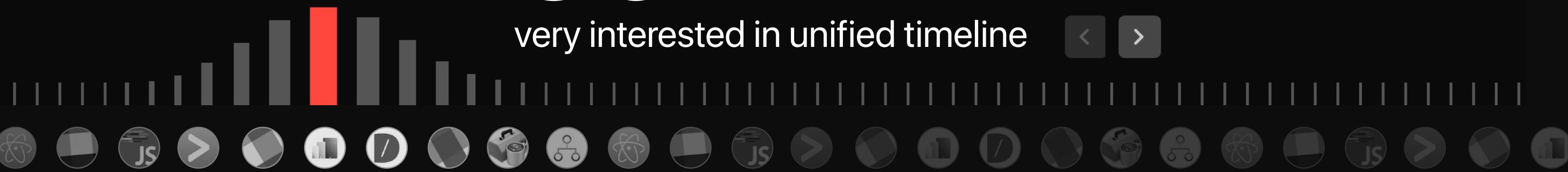
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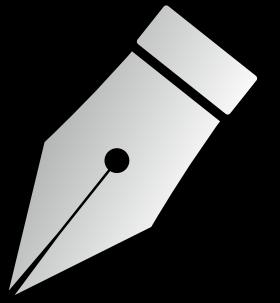
Communication is at its best when we  to others' thoughts, but that takes **steps**
steps
steps
steps
steps
steps
too many

36%

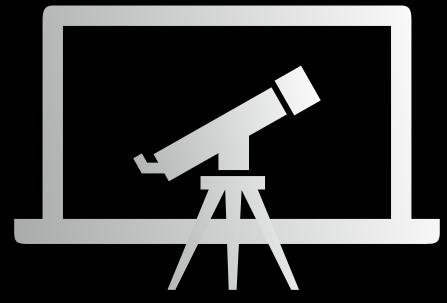
very interested in unified timeline



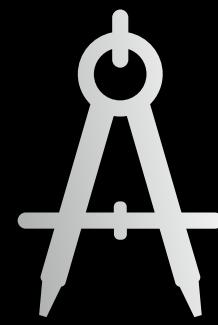
**“These results confirmed our intent,
allowing us to move along with the project. ,”**



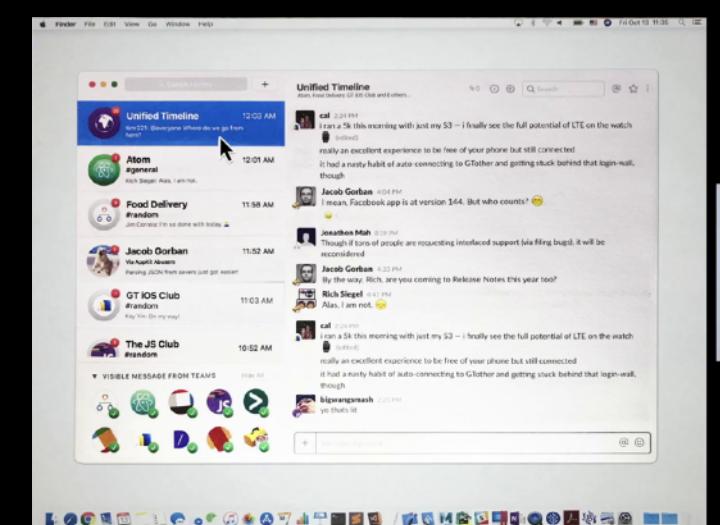
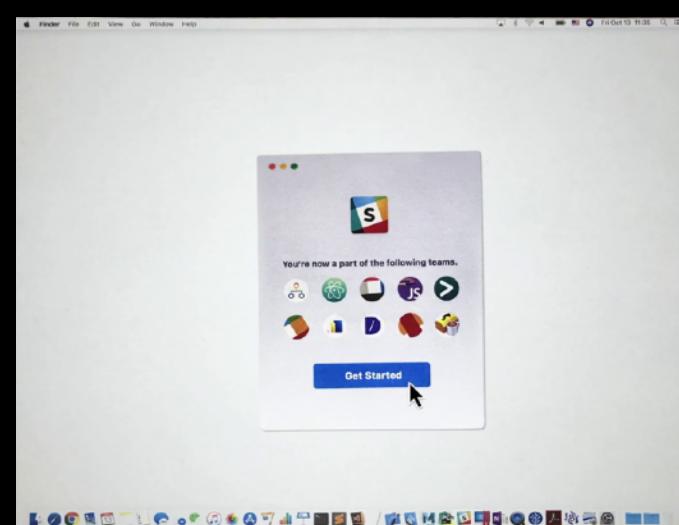
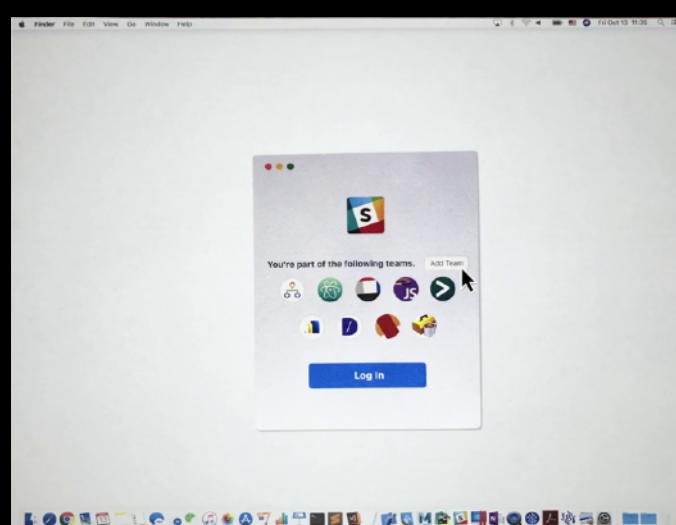
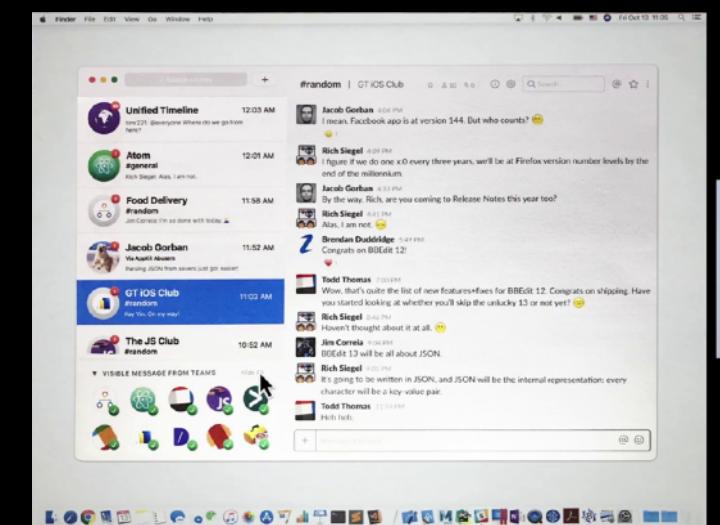
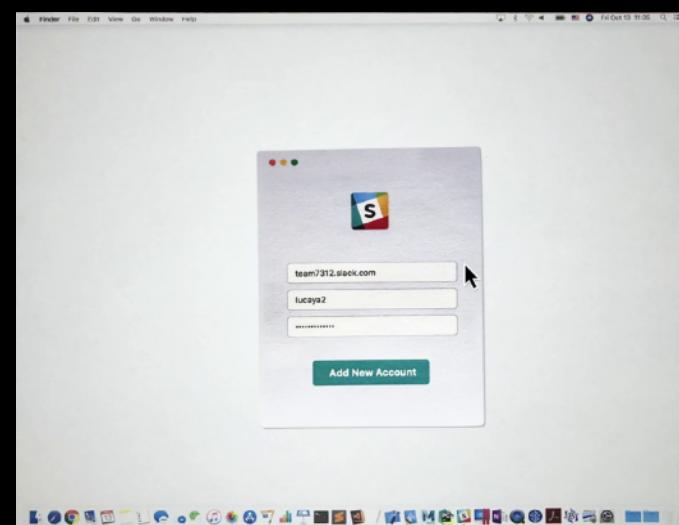
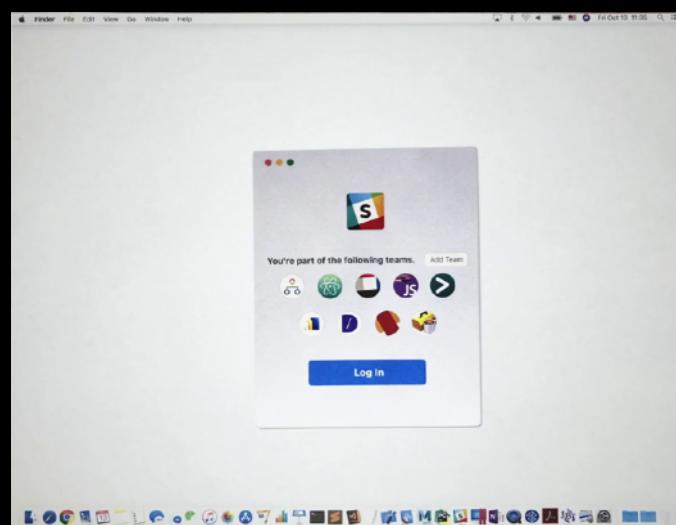
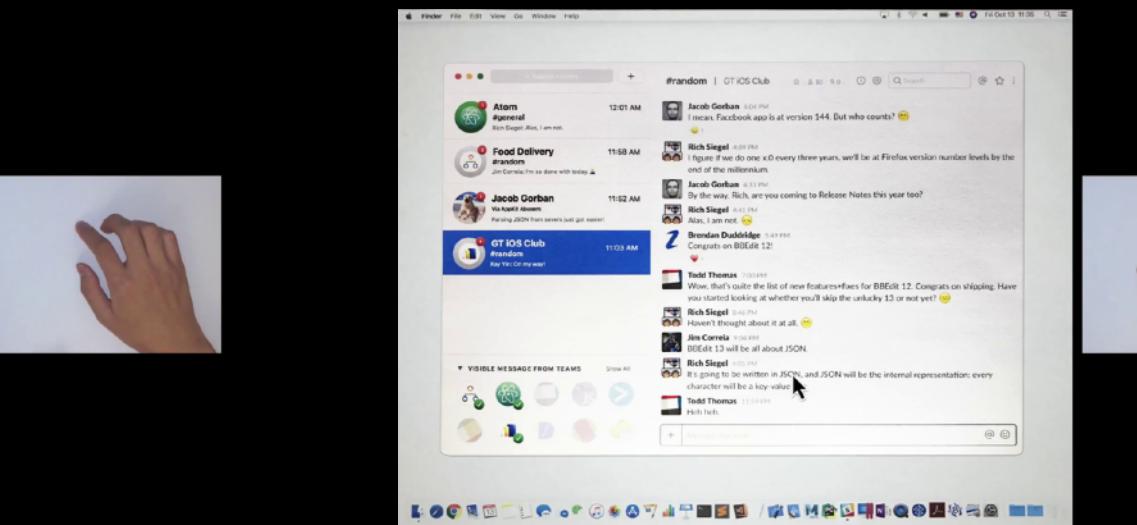
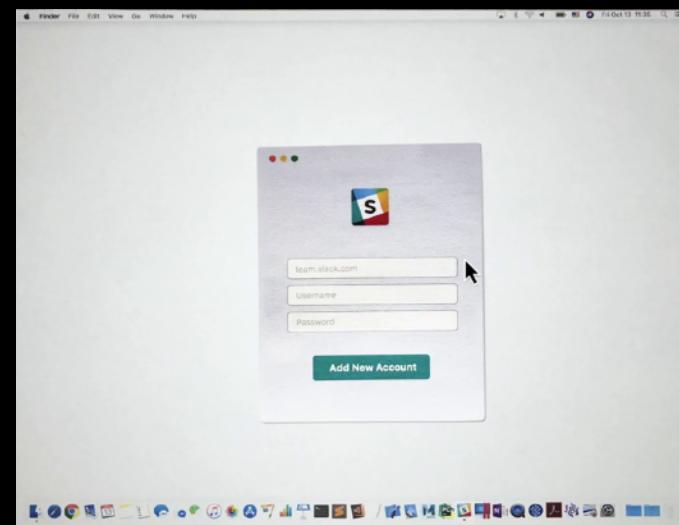
**Paper
Prototype**

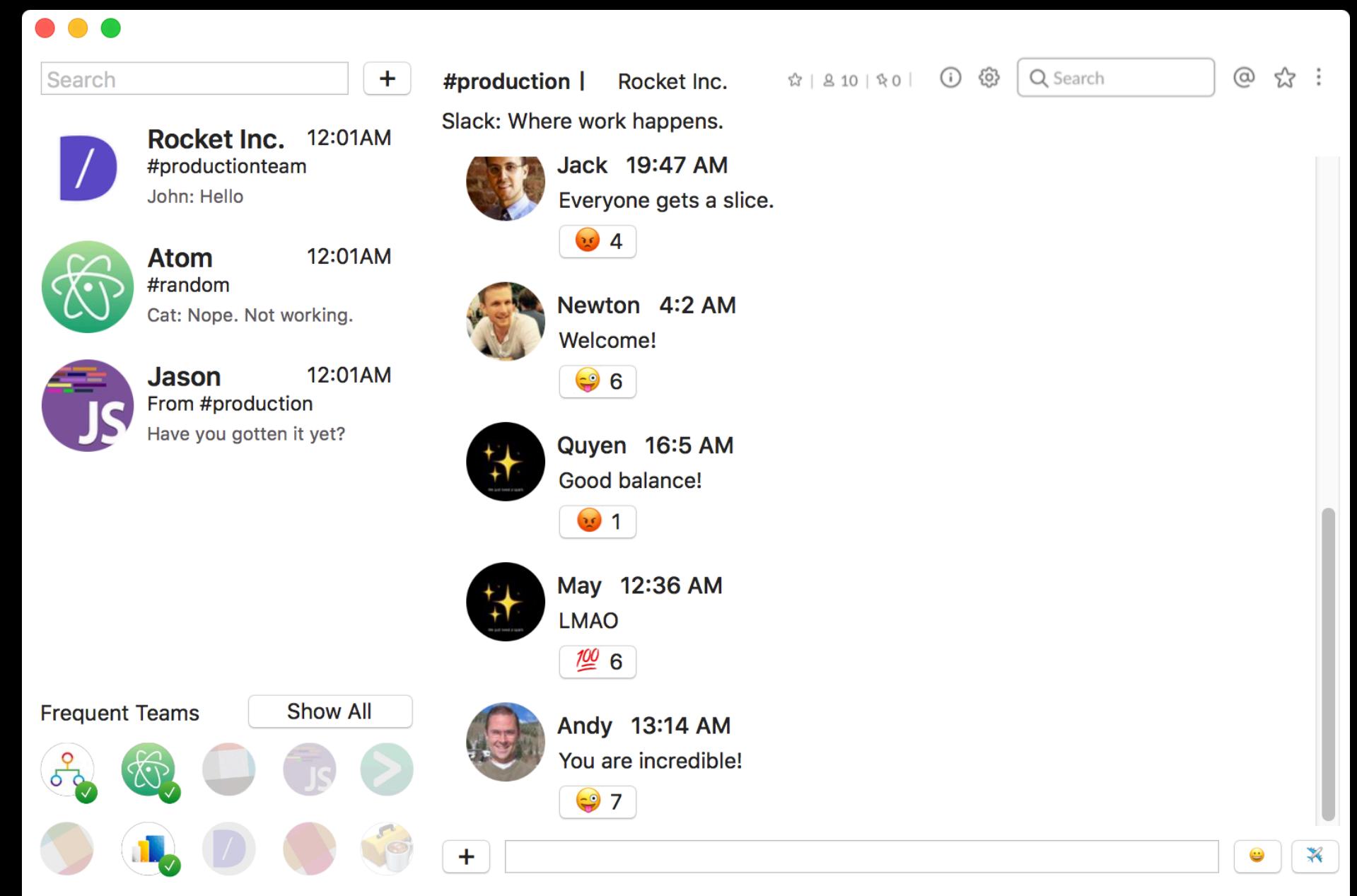


**Heuristics Evaluation
+ Scenario Findings**



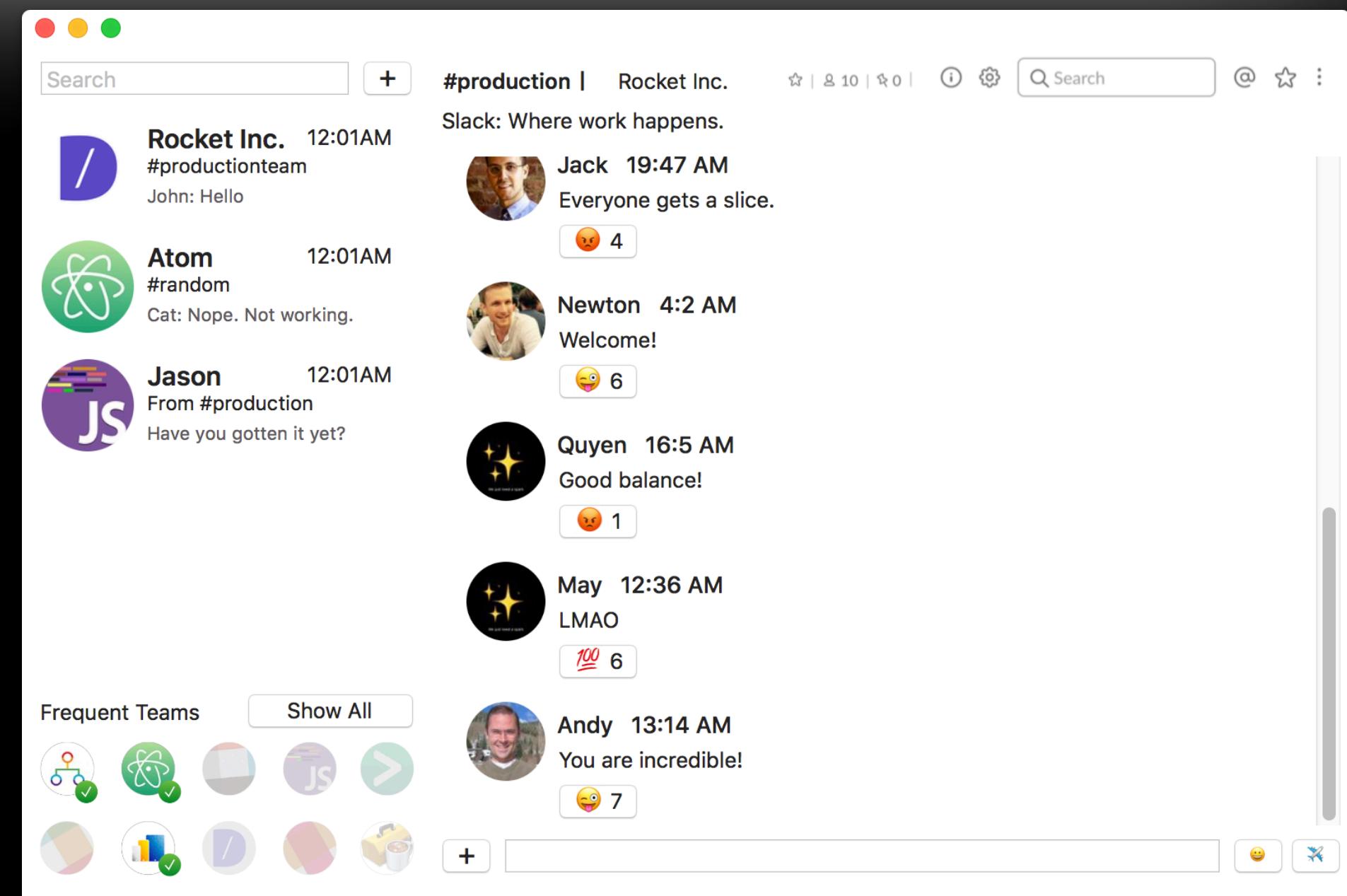
**Refined
Prototype**



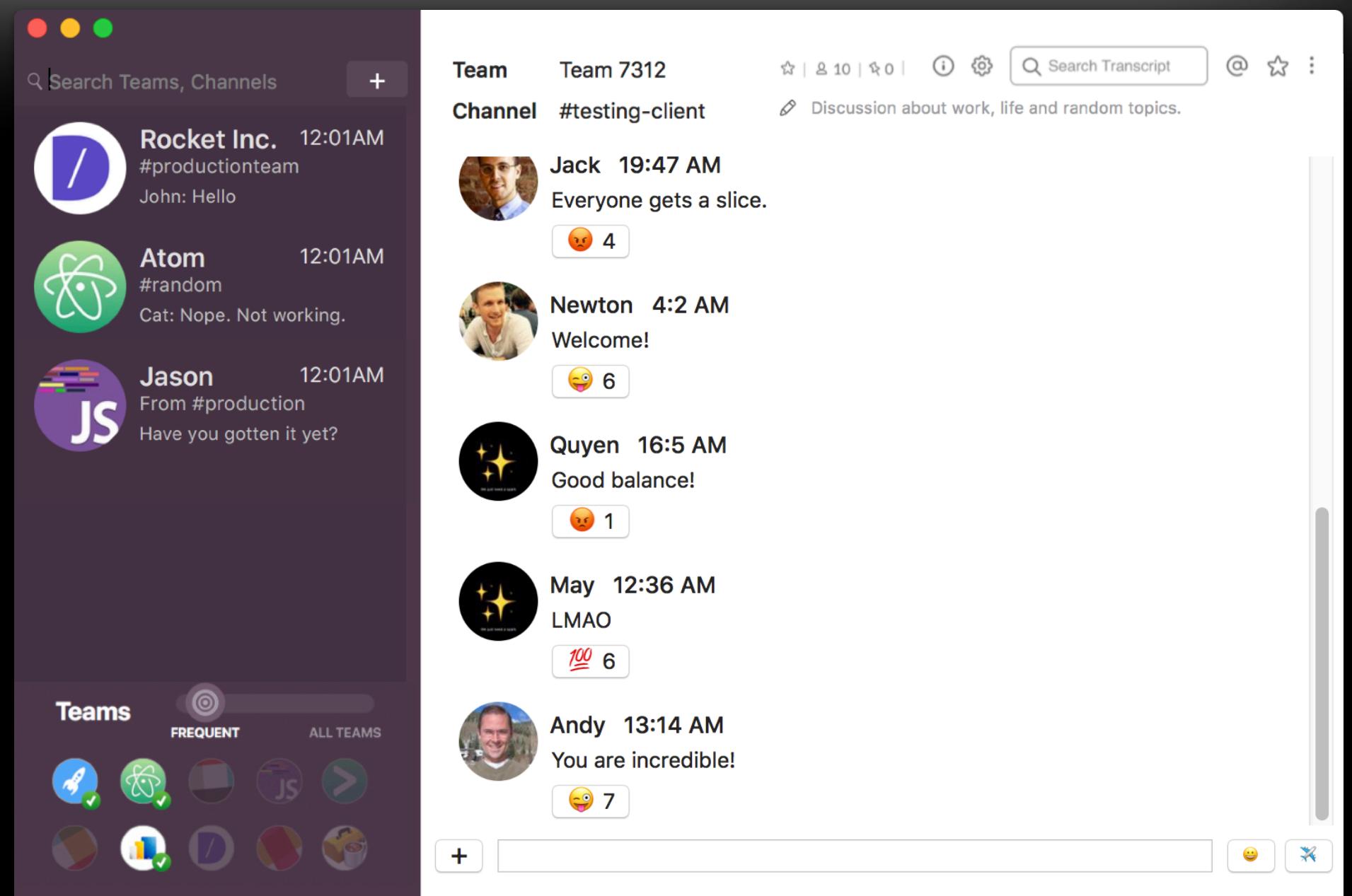


“ Heuristic evaluation and scenario findings played important roles in shaping the design. ,”

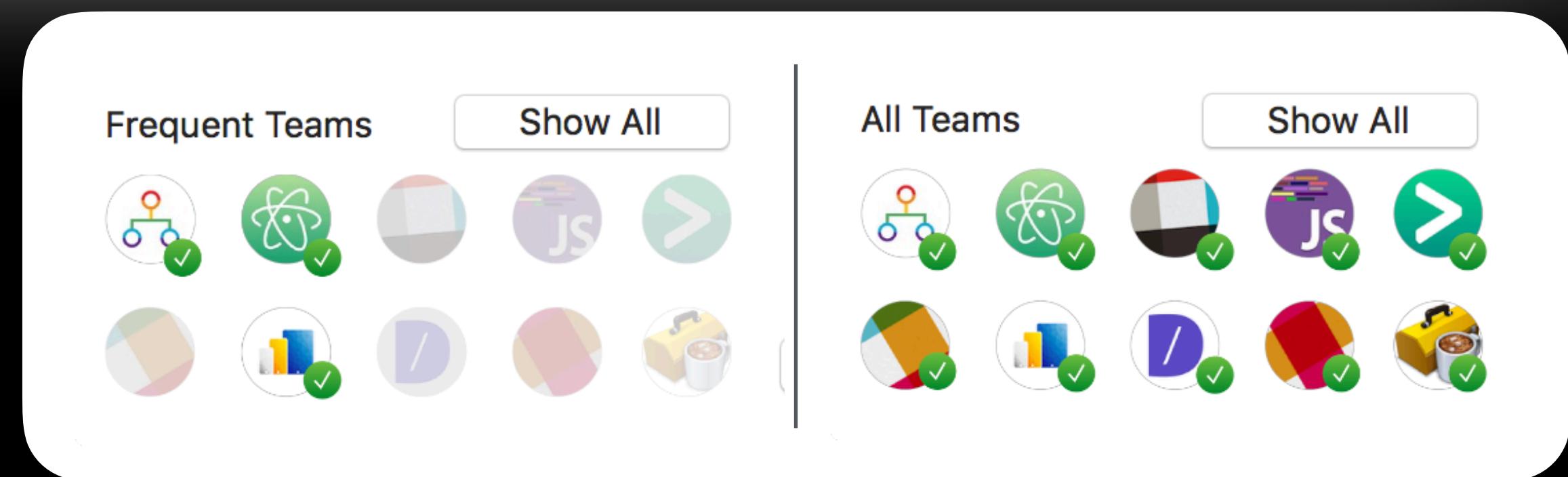
It's really hard to distinguish between the sidebar and main chat content.



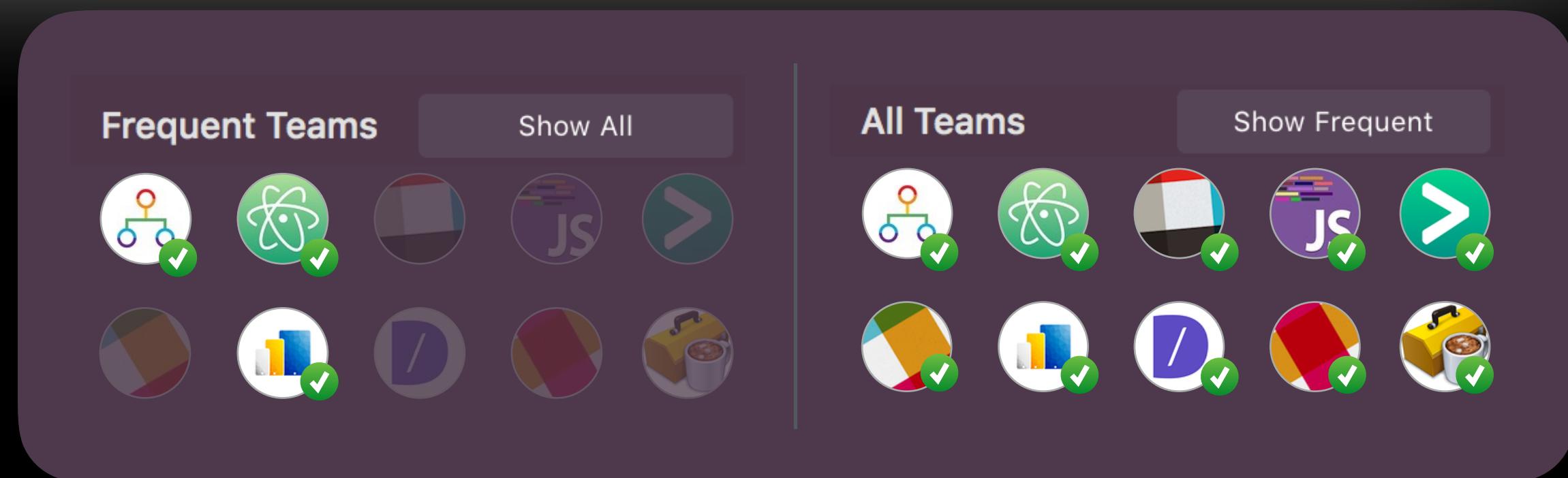
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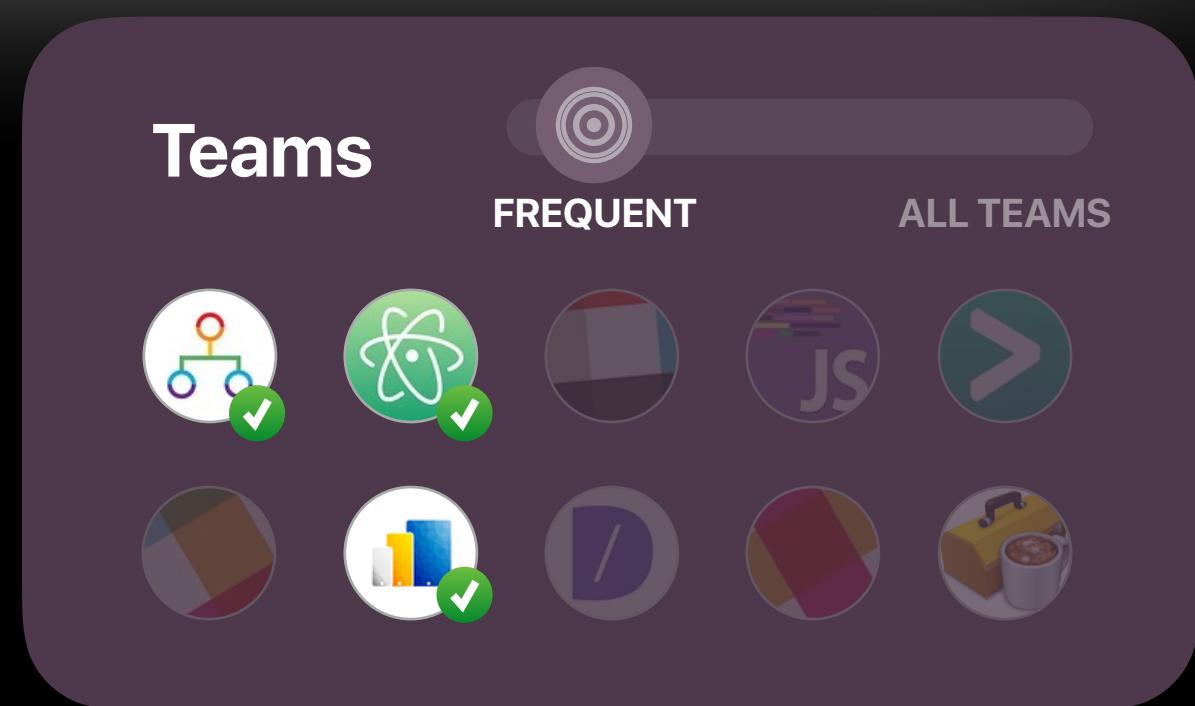
**This button to toggle between showing all teams
and showing frequent teams is really confusing.**



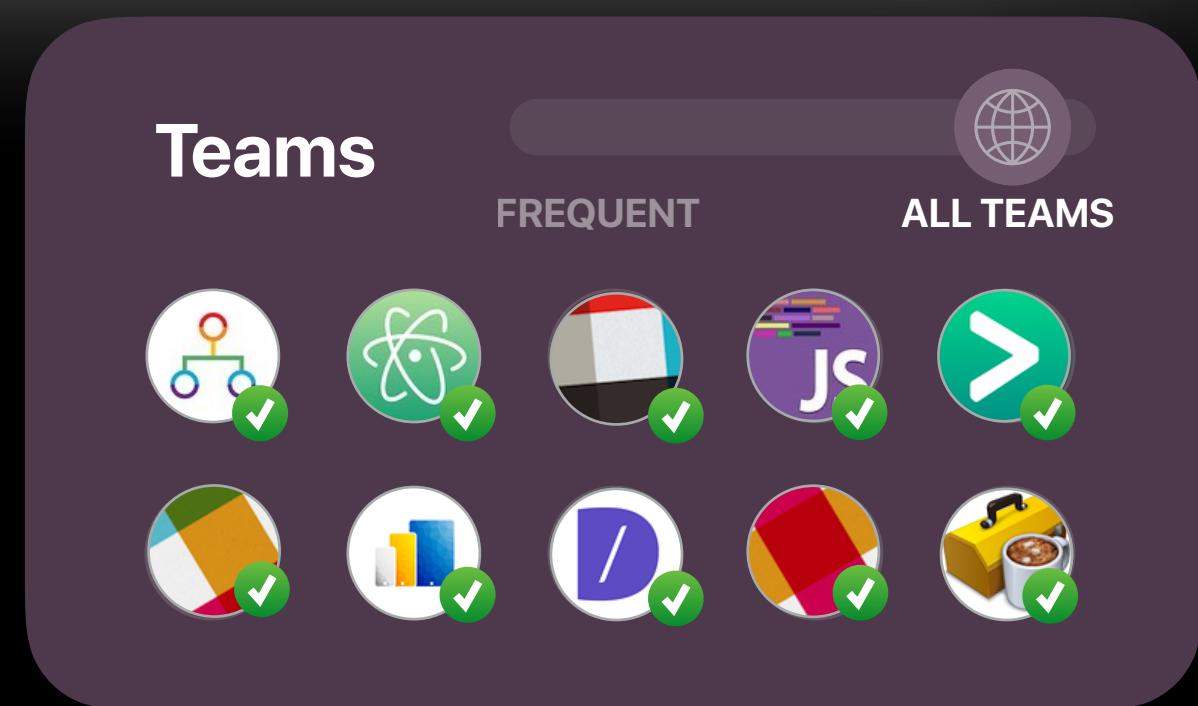
**This button to toggle between showing all teams
and showing frequent teams is really confusing.**



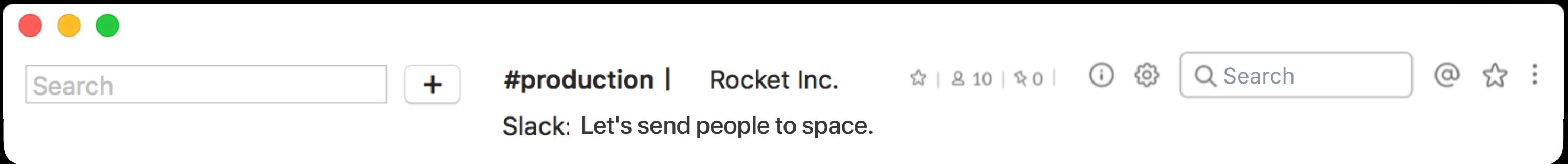
This button to toggle between showing all teams and showing frequent teams is really confusing.



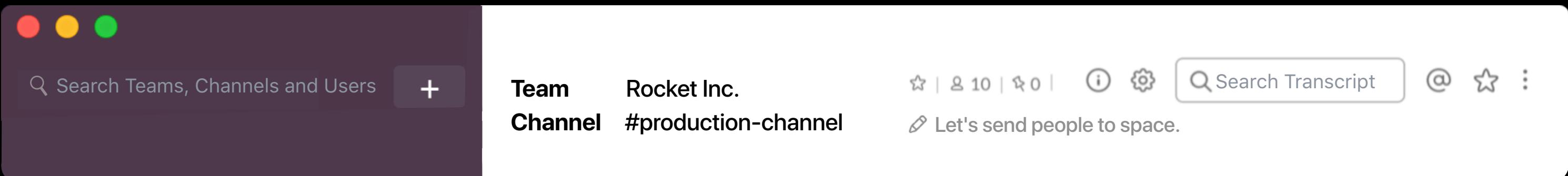
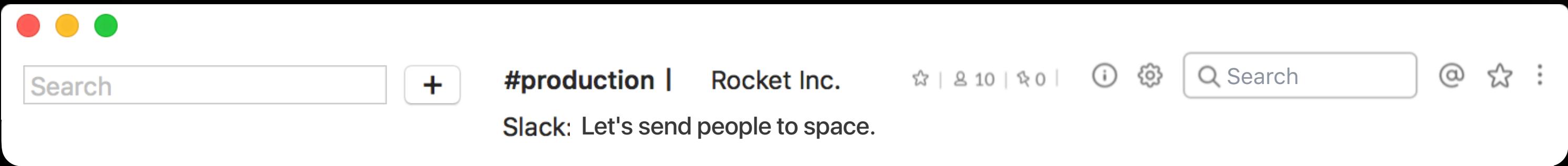
This button to toggle between showing all teams and showing frequent teams is really confusing.



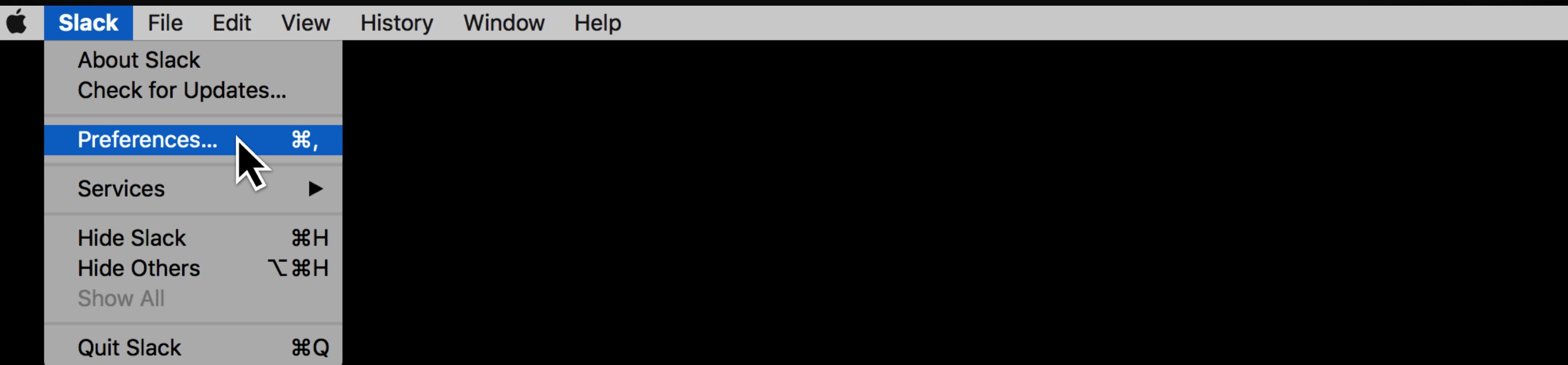
The header is ambiguously designed. The role each search bar plays, the channel you're on, the team you're in. None of them is clear.



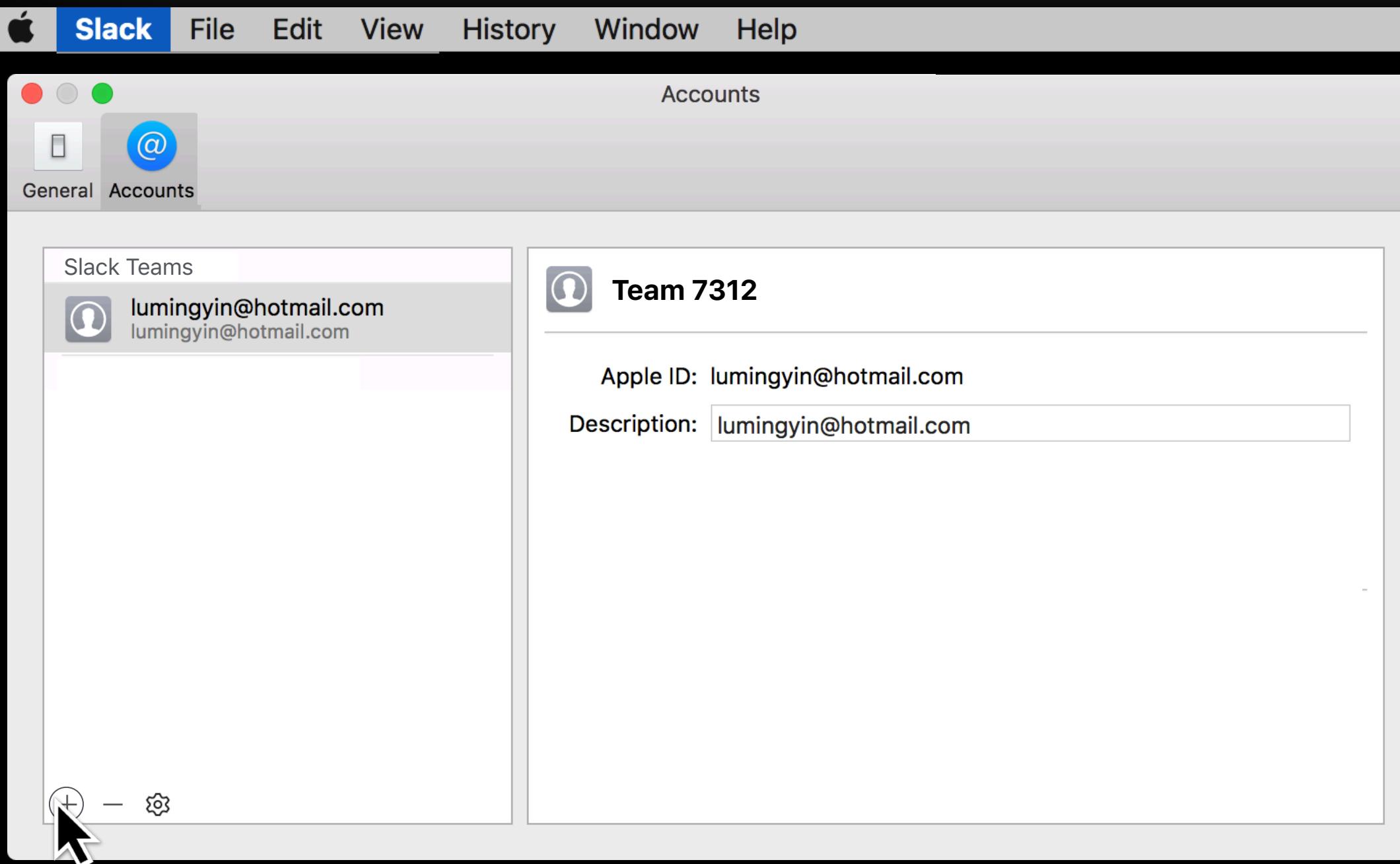
The header is ambiguously designed. The role each search bar plays, the channel you're on, the team you're in. None of them is clear.



Signing into a new account (joining into a new team) requires too many steps.

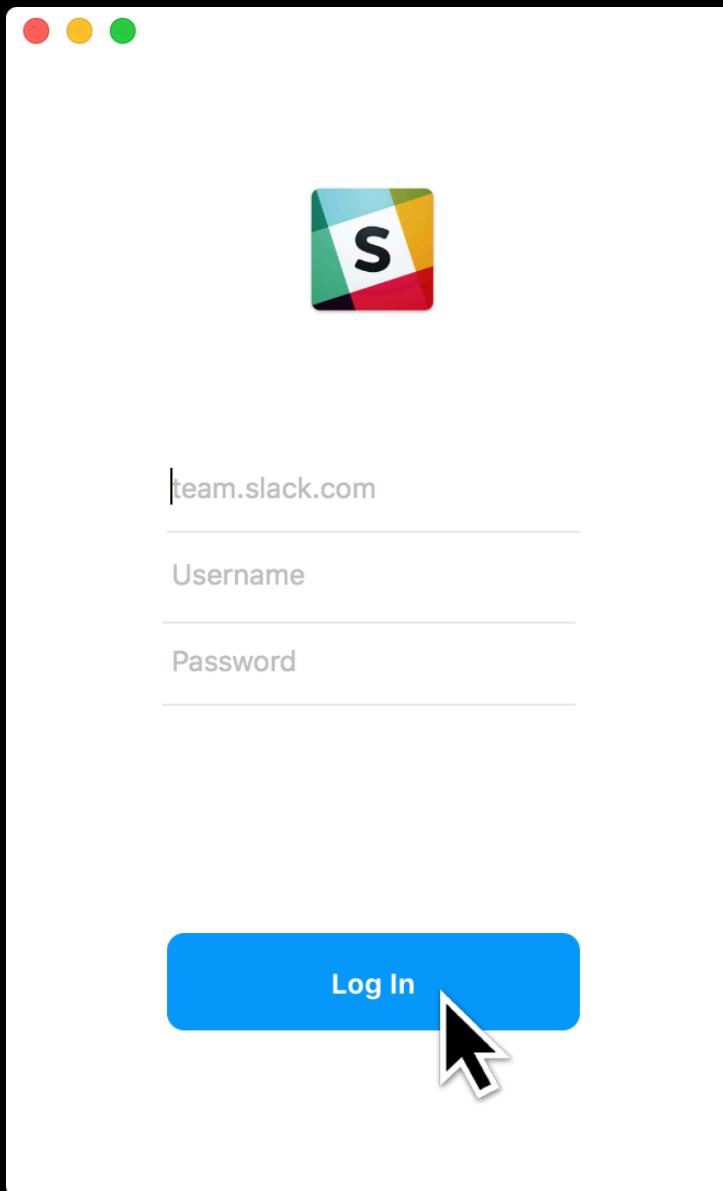


Signing into a new account (joining into a new team) requires too many steps.

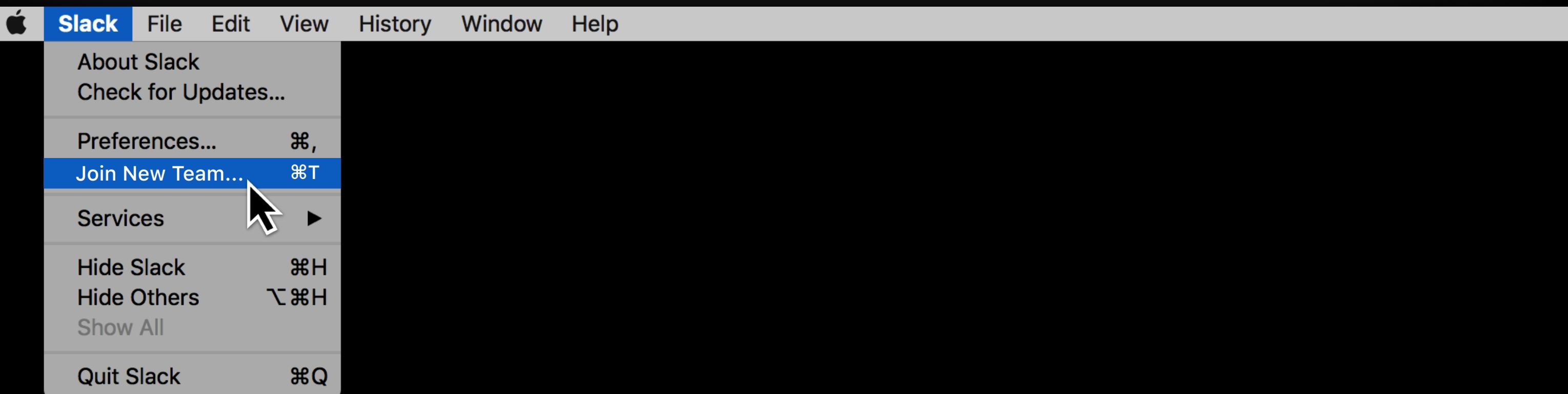


**Signing into a new account (joining into a new team)
requires too many steps.**

Apple Slack File Edit View History Window Help

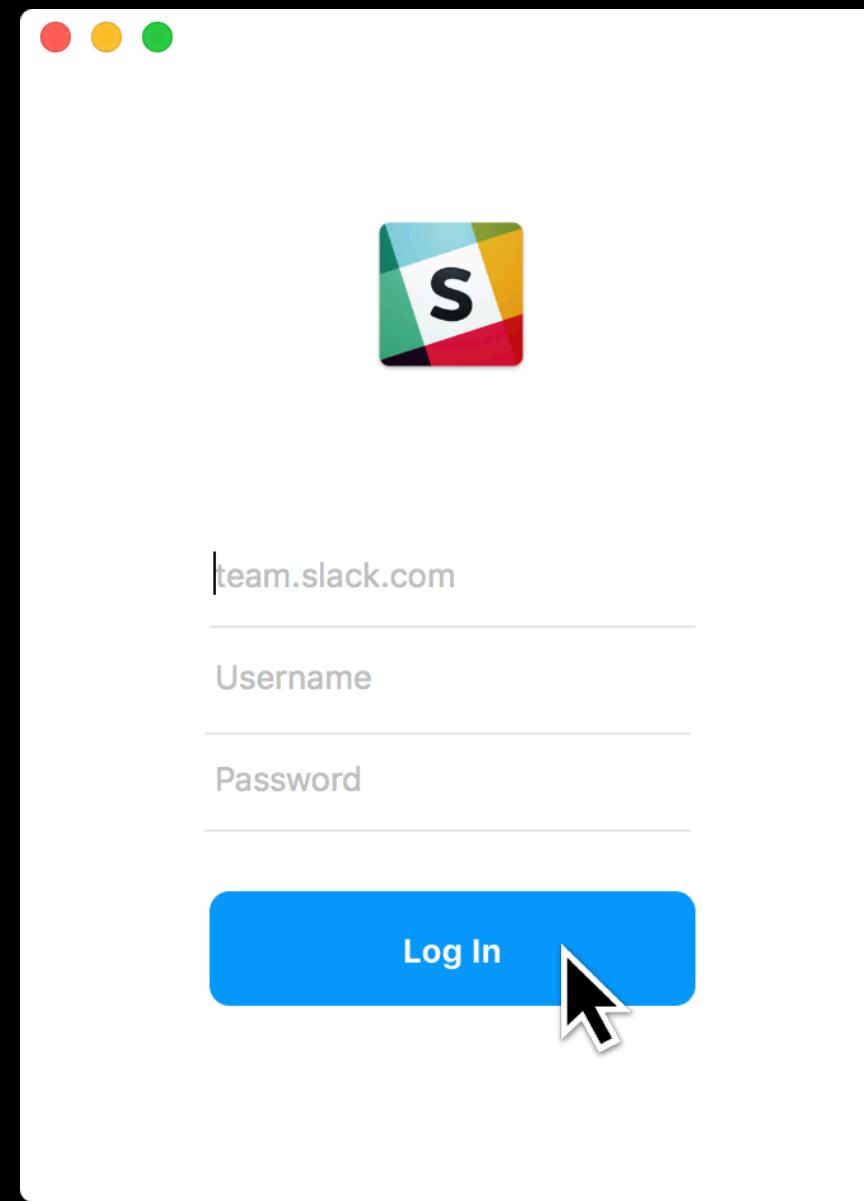


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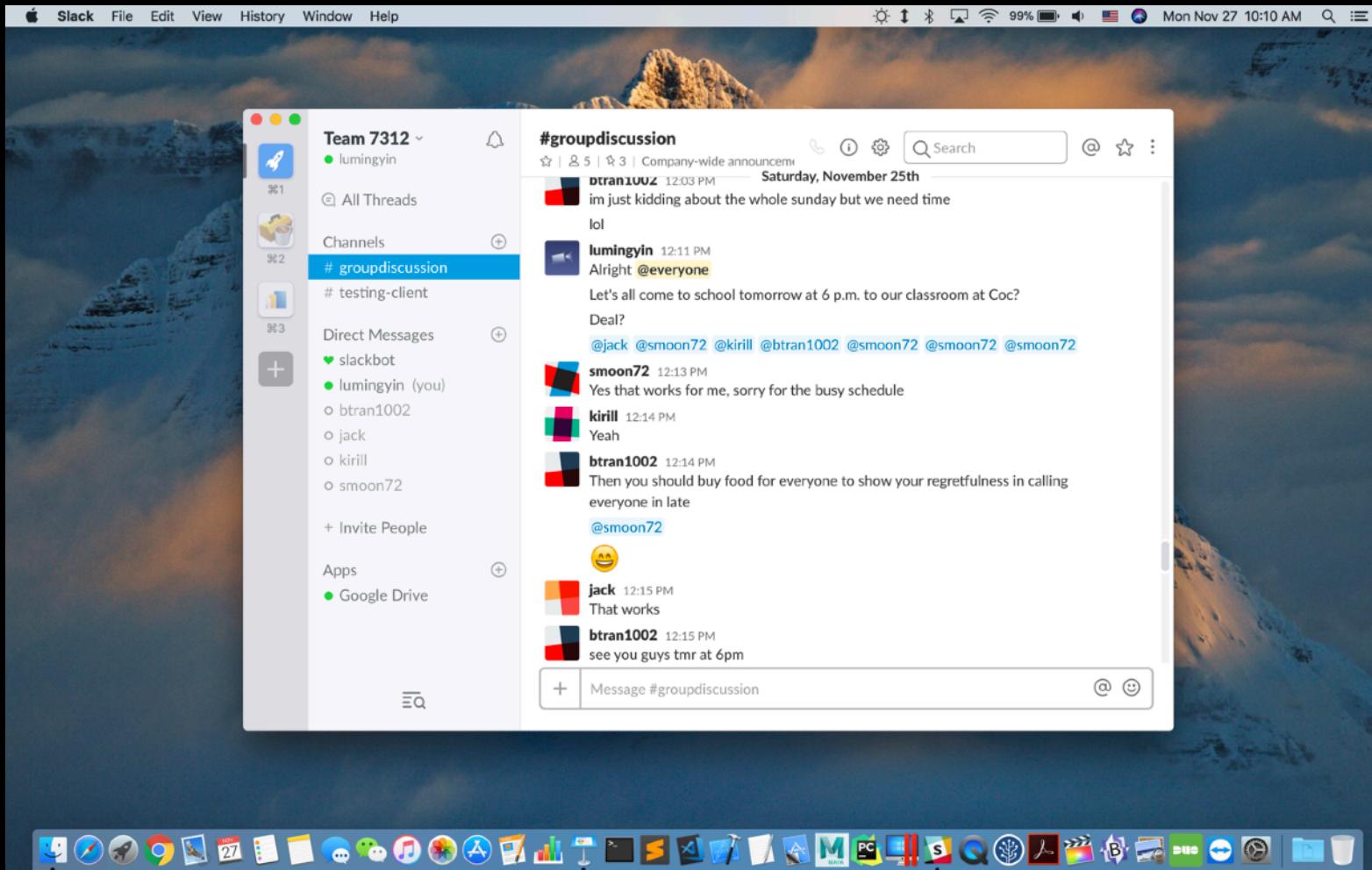


**Signing into a new account (joining into a new team)
requires too many steps.**

Apple Slack File Edit View History Window Help



Demo



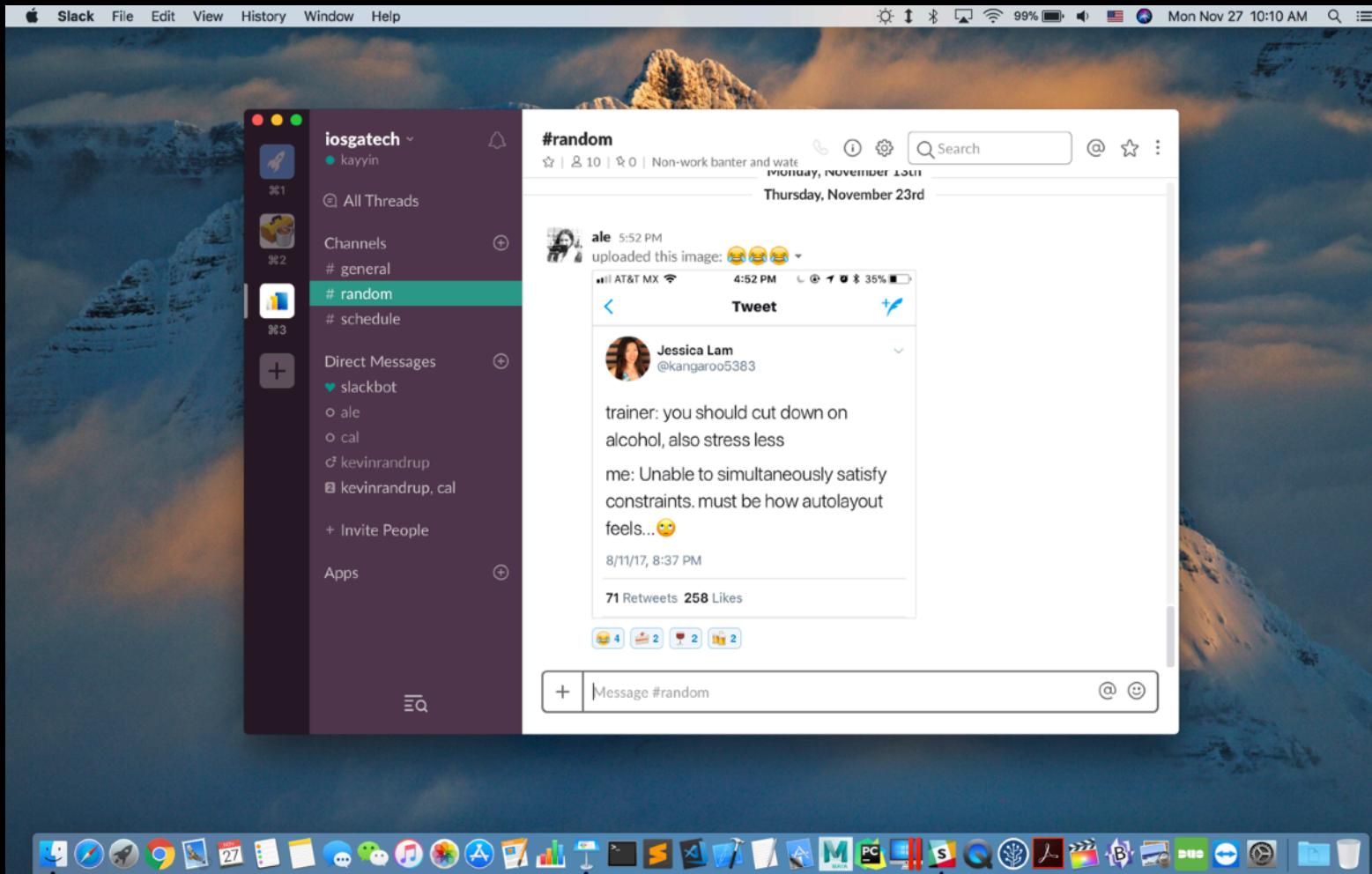
Launching official app

12.3s



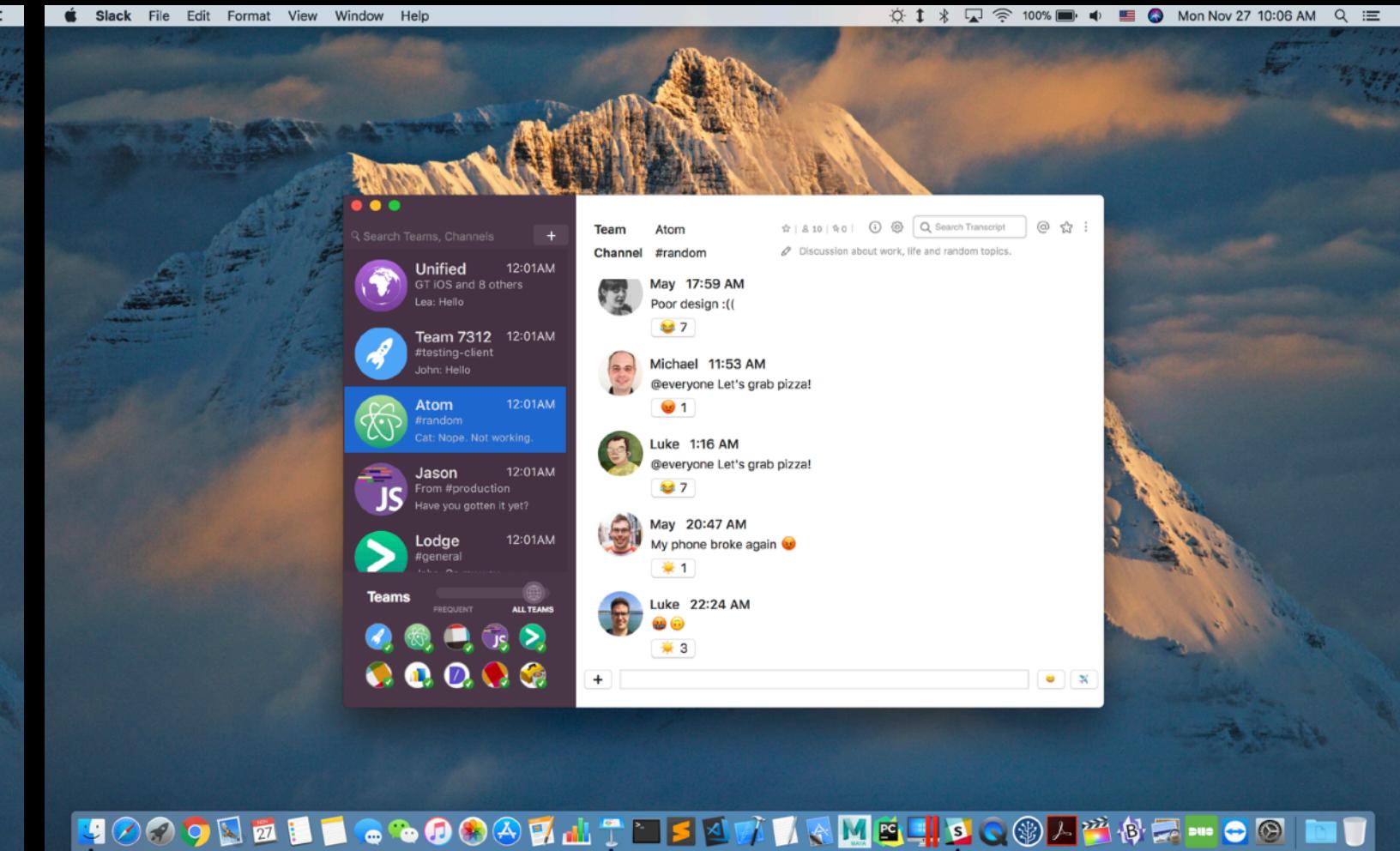
Launching Team 7312 app

1.25s



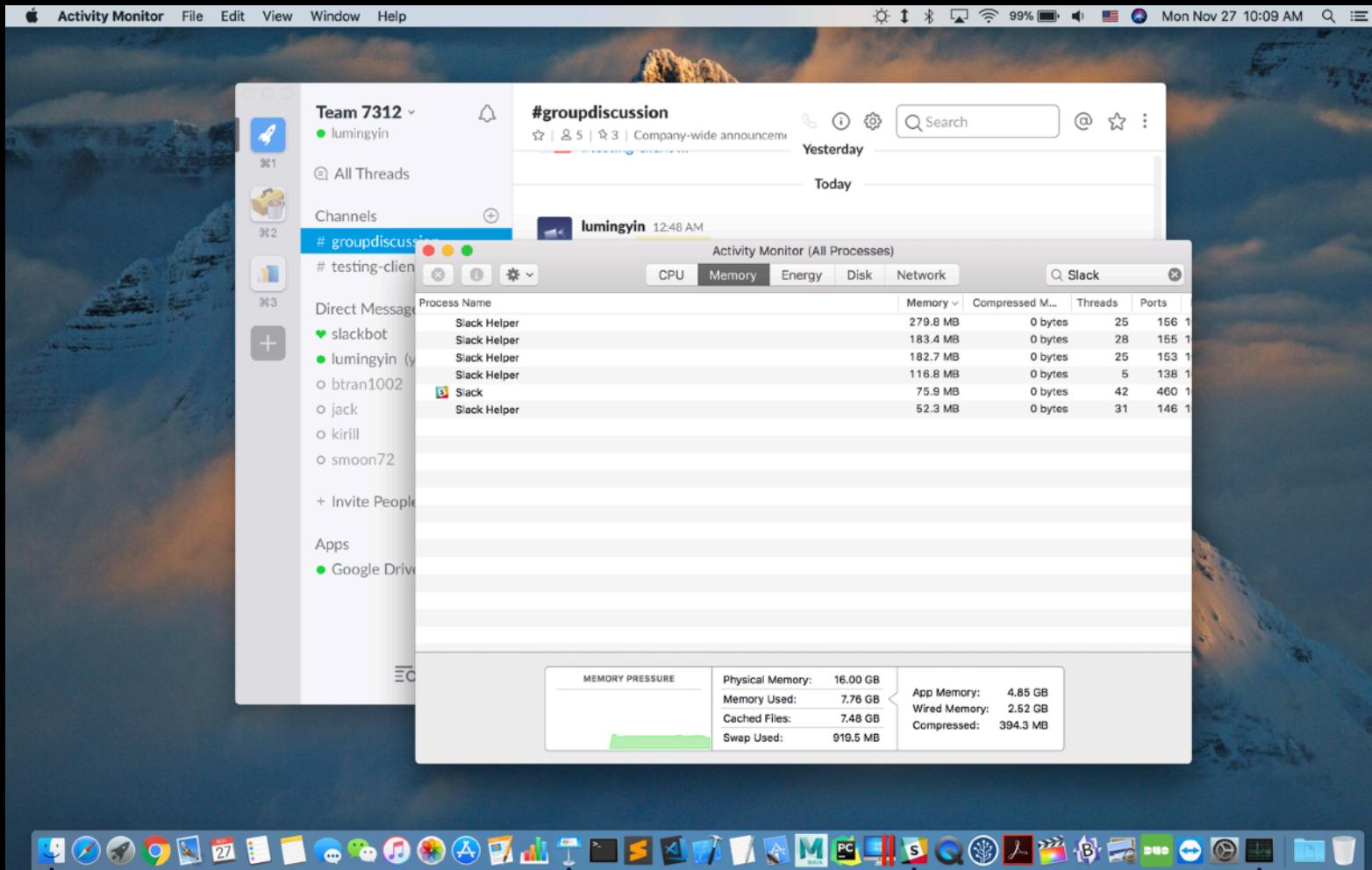
Switching between teams

1.5s

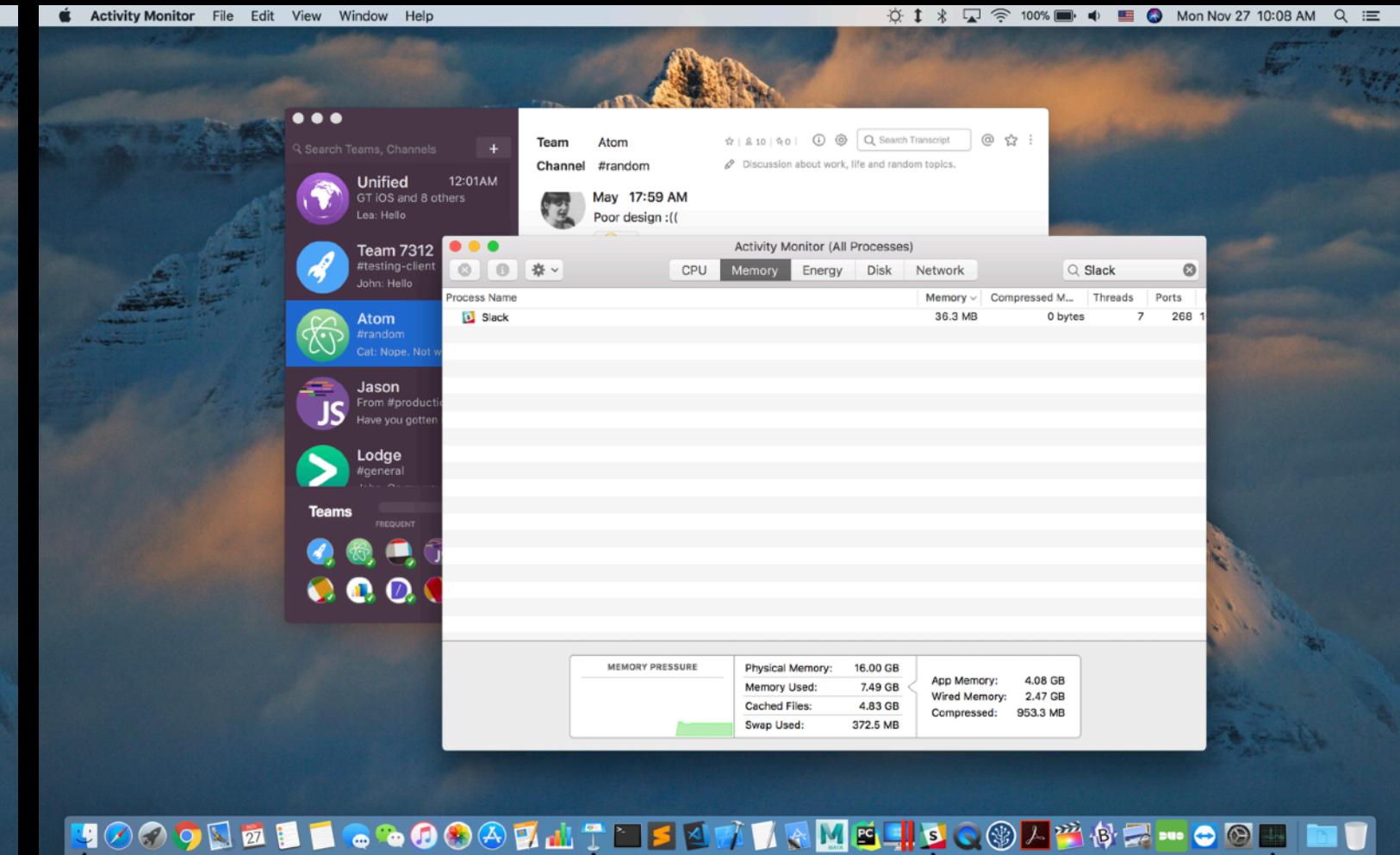


Switching between teams

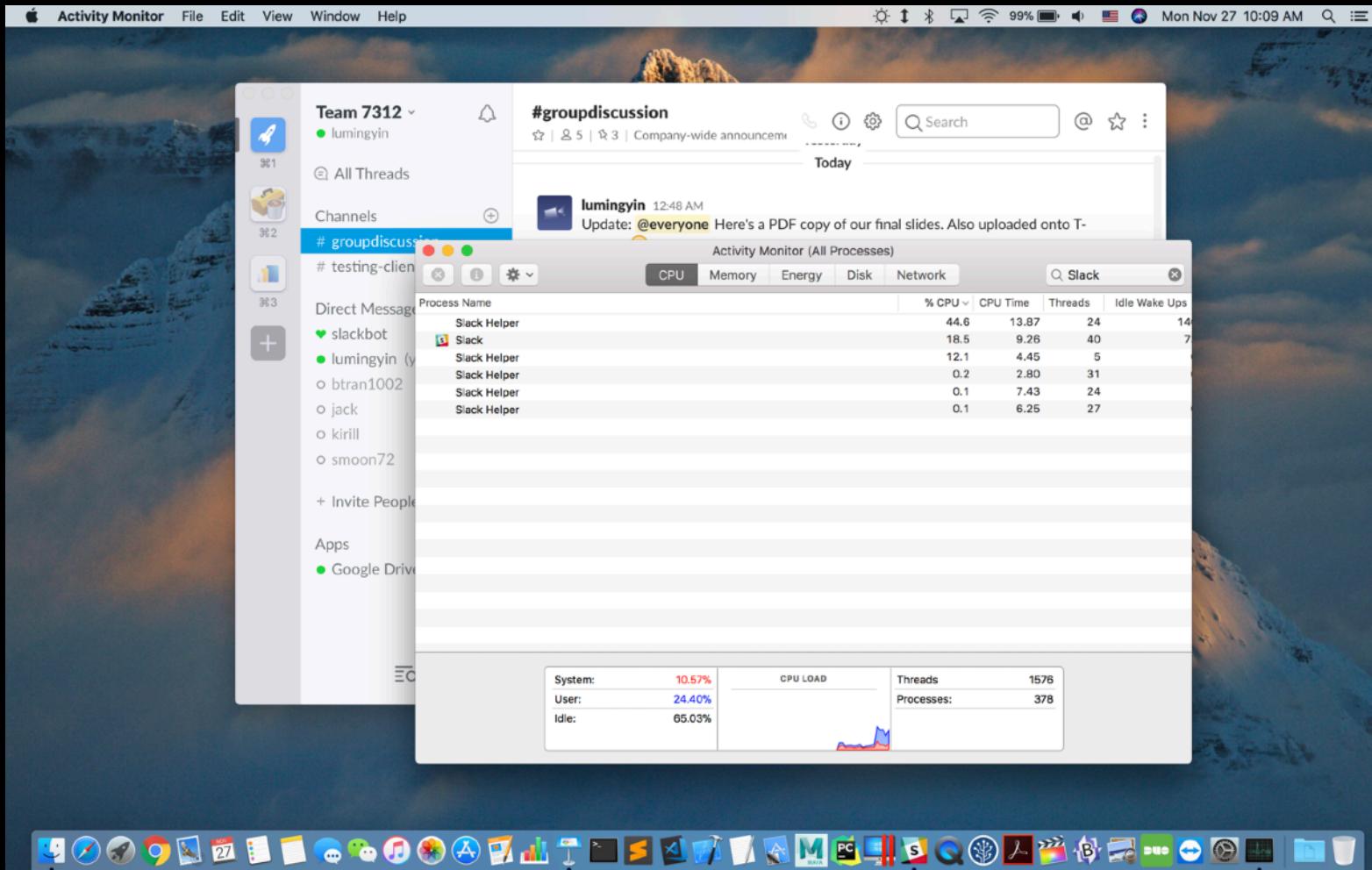
0.3s



Memory Usage
887 MB

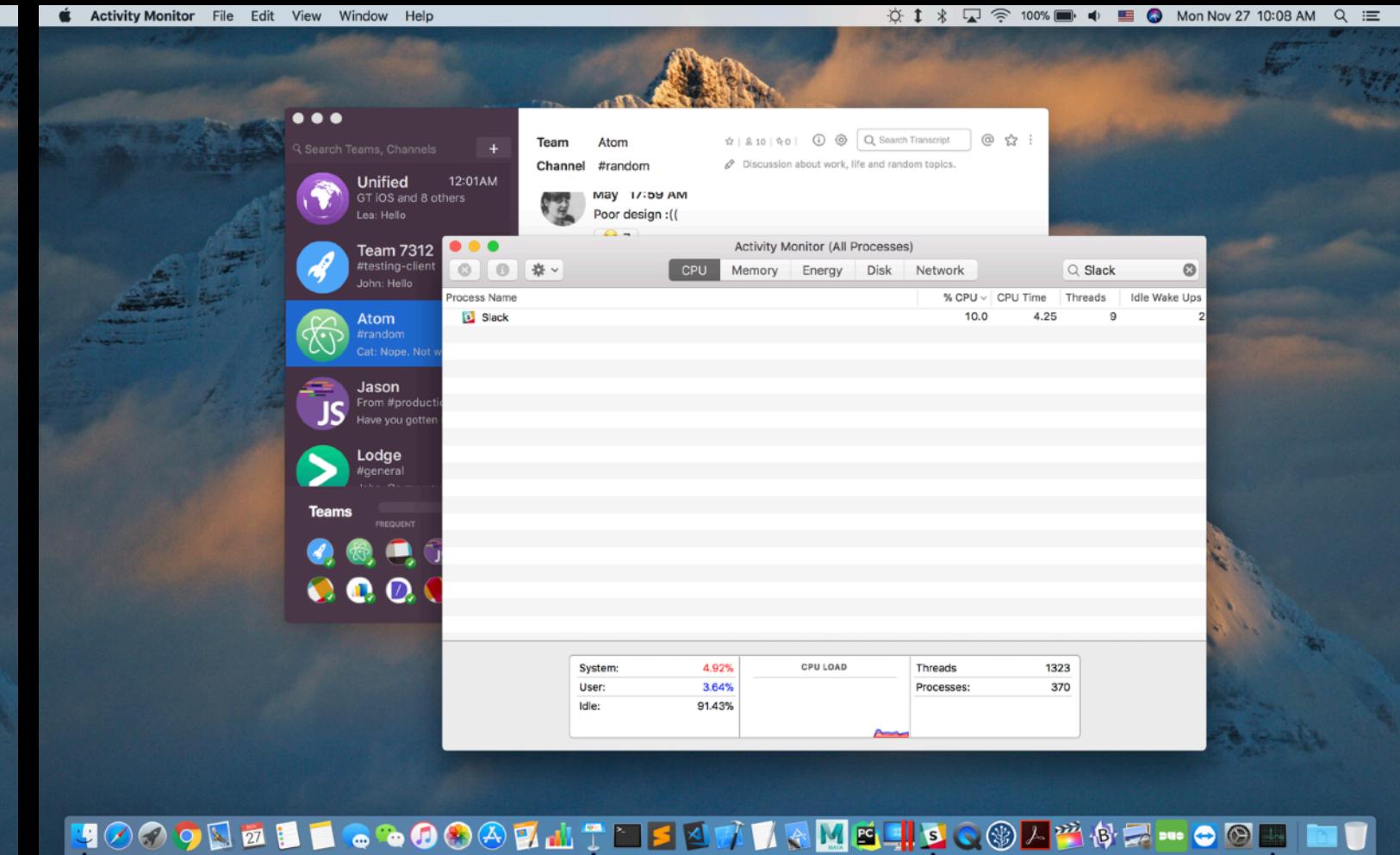


Memory Usage
36 MB



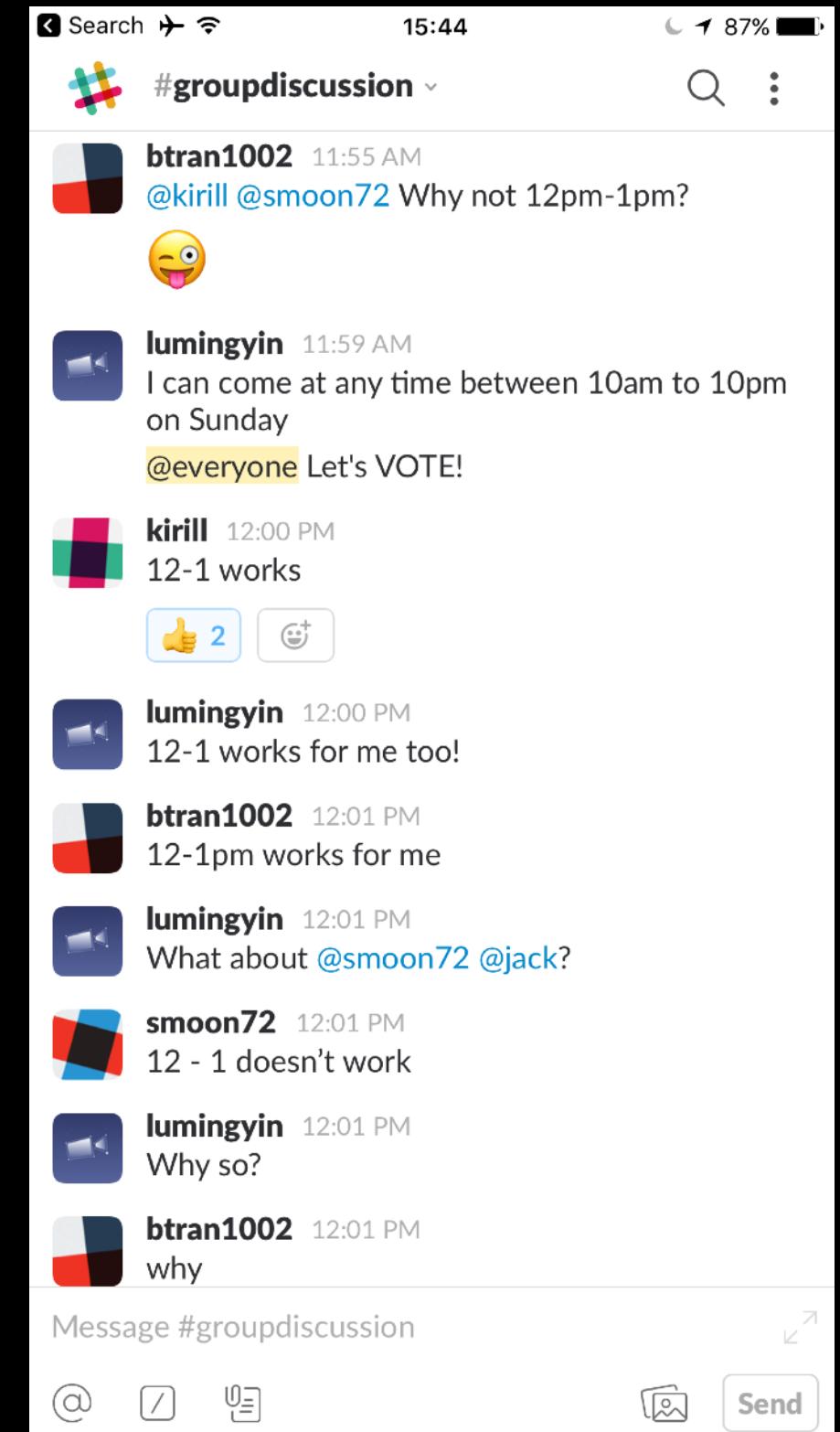
CPU Usage

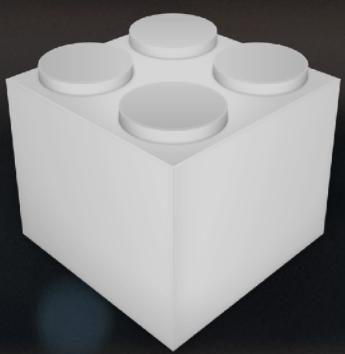
76%



CPU Usage

10%





AppKit



Agile + Git



Complete + Refine

The screenshot shows the Xcode IDE running on a Mac. The main window displays a Swift file, `MainViewController.m`, with the following code:

```
55 - (void)webSocket:(SRWebSocket *)webSocket didReceiveMessageWithString:(NSString *)string {
56     NSLog(@"SRWebSocketDelegate: didReceiveMessageWithString, %@", string);
57     NSStringEncoding encoding = NSUTF8StringEncoding;
58     NSData *jsonData = [string dataUsingEncoding:encoding];
59     NSError *error=nil;
60     NSDictionary * parsedData = [NSJSONSerialization JSONObjectWithData:jsonData options:kNilOptions
61                           error:&error];
62     if (!error && parsedData != nil) {
63         NSString *type = [parsedData valueForKeyPath:@"type"];
64         if (type == nil) {
65             return;
66         }
67         if ([type isEqualToString:@"start"]) {
68             [self handleTeamInitializationWithJSONDict:parsedData];
69         }
70     }
71 }
```

A tooltip is visible over the variable `parsedData`. The bottom right corner of the Xcode window shows a terminal-like interface with the following log output:

```
2017-11-26 15:31:00.558552-0500
Slack[7134:620646] We get a pong back 16826
2017-11-26 15:31:05.558644-0500
Slack[7134:620646] SRWebSocketDelegate:
```

AppKit with Xcode

The screenshot shows a GitHub pull request interface with the title "Fix color highlighting · LumingYin/SlackPrototype@8c04aa9". The code editor displays the file "Slack/View Controllers/MainViewController.m" comparing two versions. The left column shows the original code, and the right column shows the modified code. Changes are highlighted with green for additions and red for deletions.

```
14 Slack/View Controllers/MainViewController.m
@@ -111,6 +111,7 @@ - (void)webSocket:(SRWebSocket *)webSocket didCloseWithCode:(NSInteger)code reas
111 #pragma mark - view controller lifecycle
112 - (void)viewDidLoad {
113     [super viewDidLoad];
114
115     _contactSearchTextField.placeholderAttributedString =
116         [[NSAttributedString alloc] initWithString:@"Search Contacts"
117                                         attributes:@{NSForegroundColorAttributeName: [NSColor grayColor],
118                                                      NSFontAttributeName: [NSFont systemFontOfSizeFontOfSize:13]}];
119
120     self.pingCount = 16385;
@@ -126,6 +127,8 @@ - (void)viewDidLoad {
126     _transcriptTableView.dataSource = self;
127     _sidebarTableView.delegate = self;
128     _sidebarTableView.dataSource = self;
129
130     [self updateSourceList:_sidebarTableView];
131 }
@@ -188,6 +191,7 @@ - (CGFloat)tableView:(NSTableView *)tableView heightForRow:(NSInteger)row {
188
189 - (void)tableViewSelectionDidChange:(NSNotification *)notification {
190     NSTableView *affectedTable = notification.object;
191
192     [self updateSourceList:affectedTable];
193 }
```

```
111 #pragma mark - view controller lifecycle
112 - (void)viewDidLoad {
113     [super viewDidLoad];
114     + [_sidebarTableView
115         setSelectionHighlightStyle:NSTableViewSelectionHighlightStyleNone];
116
117     _contactSearchTextField.placeholderAttributedString =
118         [[NSAttributedString alloc] initWithString:@"Search Contacts"
119                                         attributes:@{NSForegroundColorAttributeName: [NSColor grayColor],
120                                                      NSFontAttributeName: [NSFont systemFontOfSizeFontOfSize:13]}];
121
122     self.pingCount = 16385;
123
124     + _transcriptTableView.dataSource = self;
125     + _sidebarTableView.delegate = self;
126     + _sidebarTableView.dataSource = self;
127
128     + [self updateSourceList:_sidebarTableView];
129 }
130
131
132 - (void)tableViewSelectionDidChange:(NSNotification *)notification {
133     NSTableView *affectedTable = notification.object;
134
135     + [self updateSourceList:affectedTable];
136 }
```

Source Control with Git and Github

The screenshot shows the Pivotal Tracker interface for the Slack project. The left sidebar lists project navigation options: Stories, Analytics, Settings, Members, Add Story, My Work (0), Current/Backlog, Icebox, Done, Blocked (0), Epics, Labels, and Project History. The main area displays two panels: 'Current Iteration/Backlog' and 'Icebox'. The 'Current Iteration/Backlog' panel shows tasks for the iteration '1 • 20 - 26 Nov' (0 of 2 points). It includes a 'Start' button for each task. The tasks listed are: Investigate missing avatars (KY), Investigate WebSockets Protocol, Support macOS Sierra (10.12), Fix Login UI Glitch, Implement Search (Chat Transcript), Implement Search (Sidebar), Implement transcript deletion, Implement sending files and receiving files, Implement reaction business logic, and a collapsed section for 'Fix disappearing avatars'. A modal window is open over the backlog panel, showing story details: ID #153157310, STORY TYPE: Bug, POINTS: Unestimated, STATE: Start, REQUESTER: KY Kay Yin, and OWNERS: <none>. The 'Icebox' panel is also visible on the right.

Agile with Pivotal Tracker

“ In addition to feature-completion, we plan to refine the app while adding support advanced power features. ”

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55 - (void)webSocket:(SRWebSocket *)webSocket didReceiveMessageWithString:(NSString *)string {
56     NSLog(@"SRWebSocketDelegate: didReceiveMessageWithString, %@", string);
57     NSStringEncoding encoding = NSUTF8StringEncoding;
58     NSData *jsonData = [string dataUsingEncoding:encoding];
59     NSError *error=nil;
60     NSDictionary * parsedData = [NSJSONSerialization JSONObjectWithData:jsonData options:kNilOptions
61                           error:&error];
62     if (!error && parsedData != nil) {
63         NSString *type = [parsedData valueForKeyPath:@"type"];
64         if (type == nil) {
65             return;
66         }
67         if ([type isEqualToString:@"start"]) {
68             [self handleTeamInitializationWithJSONDict:parsedData];
69         }
70     }
71 }
```

A tooltip is visible over the variable `parsedData`, showing its type as `NSDictionary`. The bottom right corner of the Xcode window shows a terminal-like interface with the following log output:

```
2017-11-26 15:31:00.558552-0500
Slack[7134:620646] We get a pong back 16826
2017-11-26 15:31:05.558644-0500
Slack[7134:620646] SRWebSocketDelegate:
```

AppKit with Xcode

The screenshot shows a GitHub pull request interface with the title "Fix color highlighting · LumingYin/SlackPrototype@8c04aa9". The code editor displays the file "Slack/View Controllers/MainViewController.m" comparing two versions. The left column shows the original code, and the right column shows the modified code. Changes are highlighted with green for additions and red for deletions.

```
14 Slack/View Controllers/MainViewController.m
@@ -111,6 +111,7 @@ - (void)webSocket:(SRWebSocket *)webSocket didCloseWithCode:(NSInteger)code reas
111 #pragma mark - view controller lifecycle
112 - (void)viewDidLoad {
113     [super viewDidLoad];
114
115     _contactSearchTextField.placeholderAttributedString =
116         [[NSAttributedString alloc] initWithString:@"Search Contacts"
117                                         attributes:@{NSForegroundColorAttributeName: [NSColor grayColor],
118                                                      NSFontAttributeName: [NSFont systemFontOfSizeFontOfSize:13]}];
119
120     self.pingCount = 16385;
@@ -126,6 +127,8 @@ - (void)viewDidLoad {
126     _transcriptTableView.dataSource = self;
127     _sidebarTableView.delegate = self;
128     _sidebarTableView.dataSource = self;
129
130     [self updateSourceList:_sidebarTableView];
131 }
@@ -188,6 +191,7 @@ - (CGFloat)tableView:(NSTableView *)tableView heightForRow:(NSInteger)row {
188
189 - (void)tableViewSelectionDidChange:(NSNotification *)notification {
190     NSTableView *affectedTable = notification.object;
191
192     [self updateSourceList:affectedTable];
193 }
```

```
111 #pragma mark - view controller lifecycle
112 - (void)viewDidLoad {
113     [super viewDidLoad];
114     + [_sidebarTableView
115         setSelectionHighlightStyle:NSTableViewSelectionHighlightStyleNone];
116
117     _contactSearchTextField.placeholderAttributedString =
118         [[NSAttributedString alloc] initWithString:@"Search Contacts"
119                                         attributes:@{NSForegroundColorAttributeName: [NSColor grayColor],
120                                                      NSFontAttributeName: [NSFont systemFontOfSizeFontOfSize:13]}];
121
122     self.pingCount = 16385;
123
124     + _transcriptTableView.dataSource = self;
125     + _sidebarTableView.delegate = self;
126     + _sidebarTableView.dataSource = self;
127
128     + [self updateSourceList:_sidebarTableView];
129 }
130
131
132 - (void)tableViewSelectionDidChange:(NSNotification *)notification {
133     NSTableView *affectedTable = notification.object;
134
135     + [self updateSourceList:affectedTable];
136 }
```

Source Control with Git and Github

The screenshot shows the Slack interface integrated with Pivotal Tracker. The top navigation bar includes Slack, Stories, Analytics, Settings, Members, and a search bar. The main area displays two boards: "Current Iteration/Backlog" and "Icebox".

Current Iteration/Backlog:

- Iteration:** 1 • 20 - 26 Nov
- Points:** 0 of 2 points
- Stories:**
 - Investigate missing avatars (KY) - Bug, Start button
 - Investigate WebSockets Protocol - Bug, Start button
 - Support macOS Sierra (10.12) - Feature, Start button
 - Fix Login UI Glitch - Bug, Start button
 - Implement Search (Chat Transcript) - Feature, Start button
 - Implement Search (Sidebar) - Feature, Start button
 - Implement transcript deletion - Feature, Start button
 - Implement sending files and receiving files - Feature, Start button
 - Implement reaction business logic - Feature, Start button
- Fix disappearing avatars** - A collapsed section.

Icebox:

- Stories:** None listed.

Left sidebar:

- + Add Story
- My Work (0)
- Current/Backlog
- Icebox
- Done
- Blocked (0)
- Epics
- Labels
- Project History

Bottom controls:

- Auto
- Search bar
- Refresh icon

Agile with Pivotal Tracker

“ In addition to feature-completion, we plan to refine the app while adding support advanced power features. ”

Thank you!

Q&A