

Build a Smart Bot with Slack, Block Kit and IBM Watson

—
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Hi, I'm Dave

I'm a developer advocate for IBM in San Francisco. I also help organize:

- The SF JavaScript Meetup
- IBM Developer SF Meetup
- ForwardJS San Francisco && Ottawa

I participate in meetups, hackathons, webinars and write articles about technology for IBM and other organizations.

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Why Chatbots?



Projected market for chatbot technologies, 2024

\$9 . 4B

Source: [Business Insider](#)

Chatbot Compound Annual Growth Rate in North America

Source: [Business Insider](#)

31.2%

Why Chatbots?

"Technologies such as artificial intelligence, IoT, and APIs, among others, are evolving at a rapid speed. Chatbots are integrated with these technologies to offer enhanced operations, thereby driving market demand. Artificial intelligence and audio speech-based chatbots are expected to account for the largest market share in future." -*Grand View Research*



Introduction to Slack



Introduction to Slack

- Collaboration Hub
- File Sharing
- Meetings
- DevOps
- Sales
- Analytics
- Expenses
- Finance
- Other Integrations



Introduction to Slack

- Slash Commands
- Notifications
- Interactive Messages
- Dialogs
- Message Actions
- APIs
- Event APIs
- RTM API
- Other Integrations

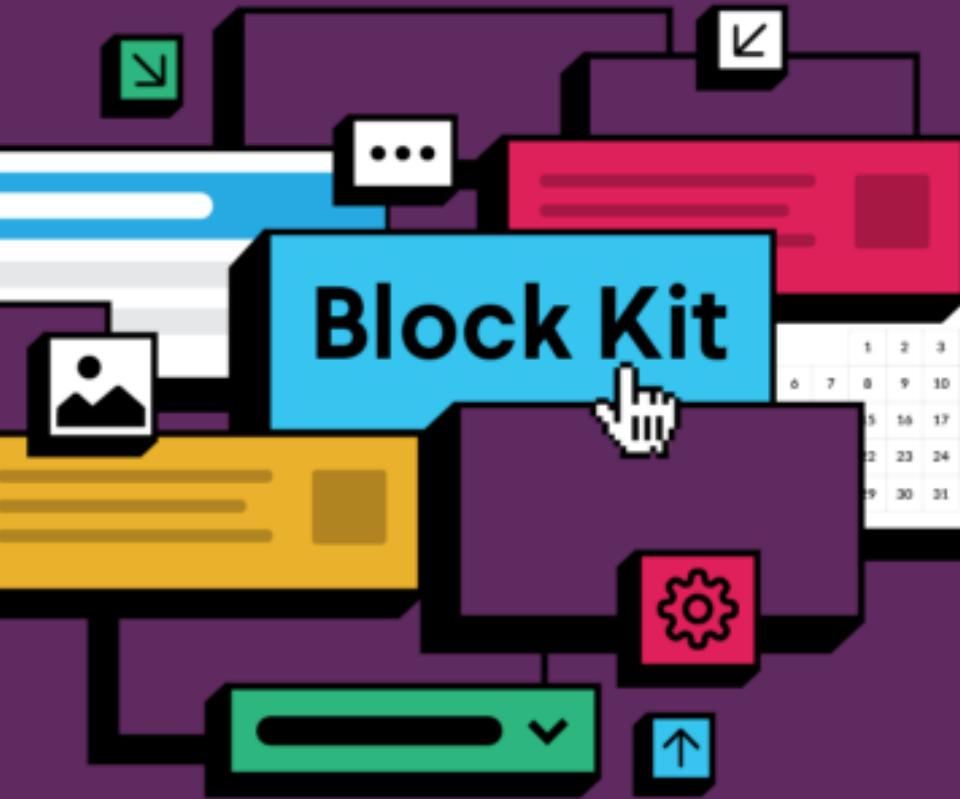


What is Block Kit?



What is Block Kit?

- New message UI framework
- Stackable bits of message UI
- Block Kit Builder - visual prototyping tool



The Anatomy of a Slack Message

Your App APP 6:37 PM

Hello, Assistant to the Regional Manager Dwight! Michael Scott wants to know where you'd like to take the Paper Company investors to dinner tonight.

Please select a restaurant:

Farmhouse Thai Cuisine

★★★★★ 1528 reviews

They do have some vegan options, like the roti and curry, plus they have a ton of salad stuff and noodles can be ordered without meat!! They have something for everyone here



Kin Khao

★★★★★ 1638 reviews

The sticky rice also goes wonderfully with the caramelized pork belly, which is absolutely melt-in-your-mouth and so soft.



Ler Ros

★★★★★ 2082 reviews

I would really recommend the Yum Koh Moo Yang - Spicy lime dressing and roasted quick marinated pork shoulder, basil leaves, chili & rice powder.



Farmhouse Kin Khao Ler Ros

Section

Divider

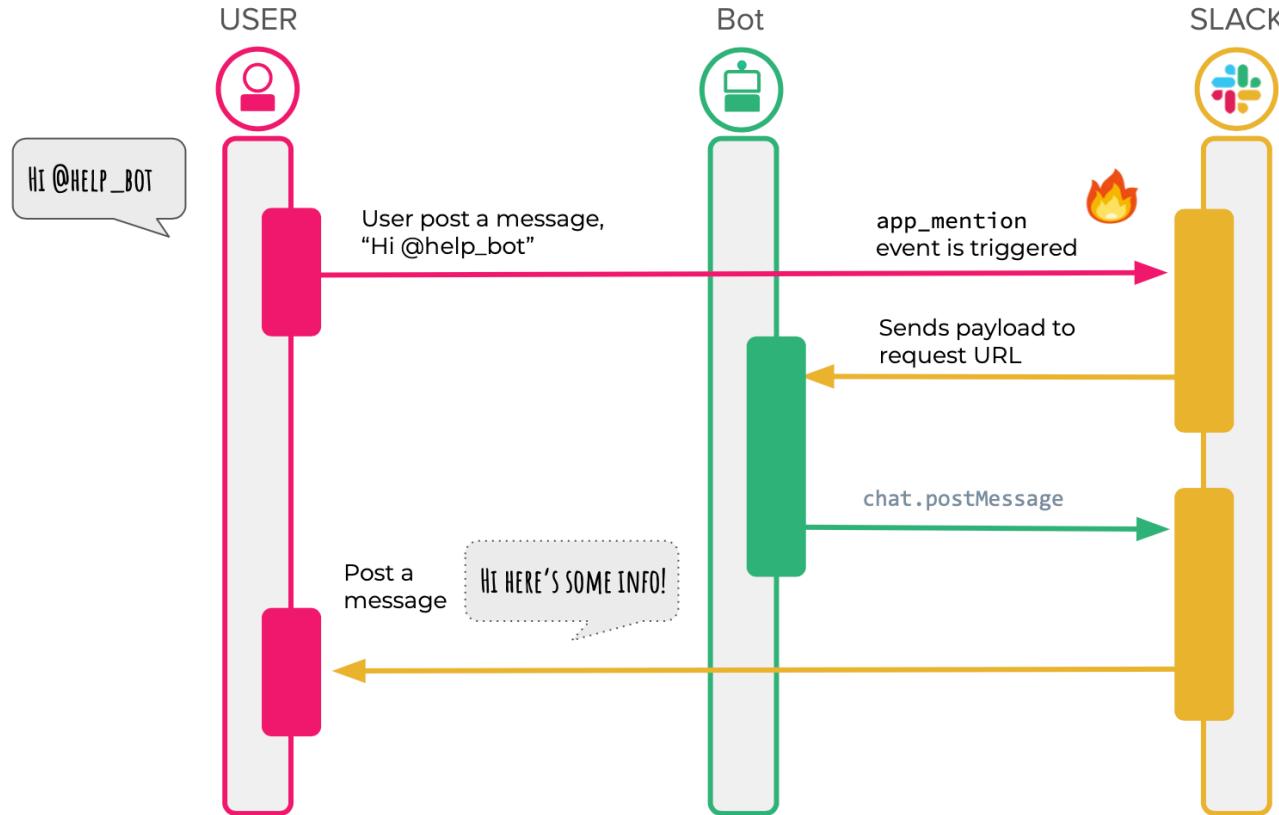
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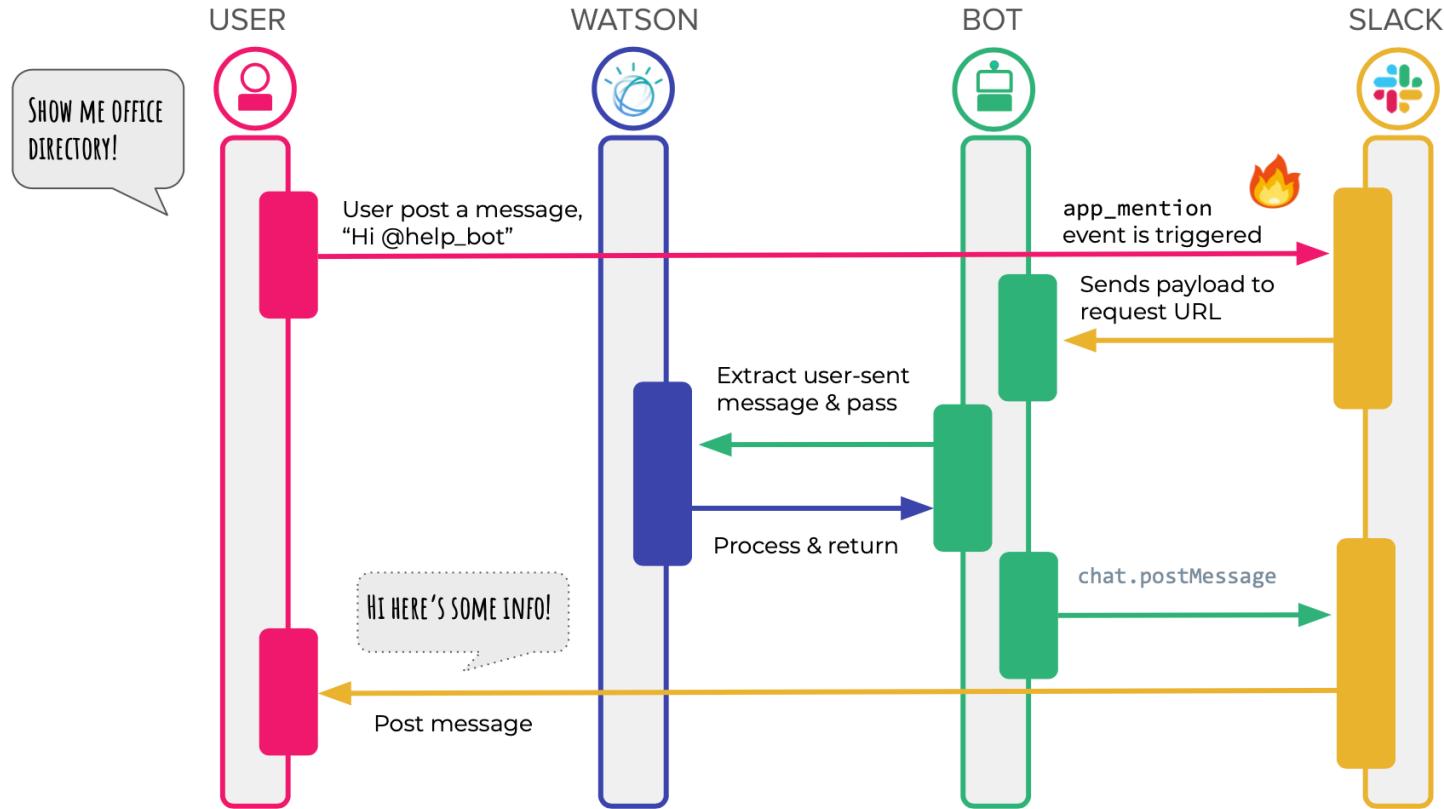
Actions

Elements

Slack Bot Message Passing



Slack Bot Message Passing with IBM Watson



Hands-on Lab:

<https://ibm.biz/BdqpyM>

Adding IBM Watson



slack

Resources

Slack API Docs: api.slack.com/

Slack Event Types: api.slack.com/events

Block Kit: api.slack.com/block-kit

Block Kit Builder: app.slack.com/block-kit-builder

Slack Node SDK: slack.dev/node-slack-sdk/

Watson Assistant: cloud.ibm.com/docs/assistant

Watson Node SDK: www.npmjs.com/package/ibm-watson

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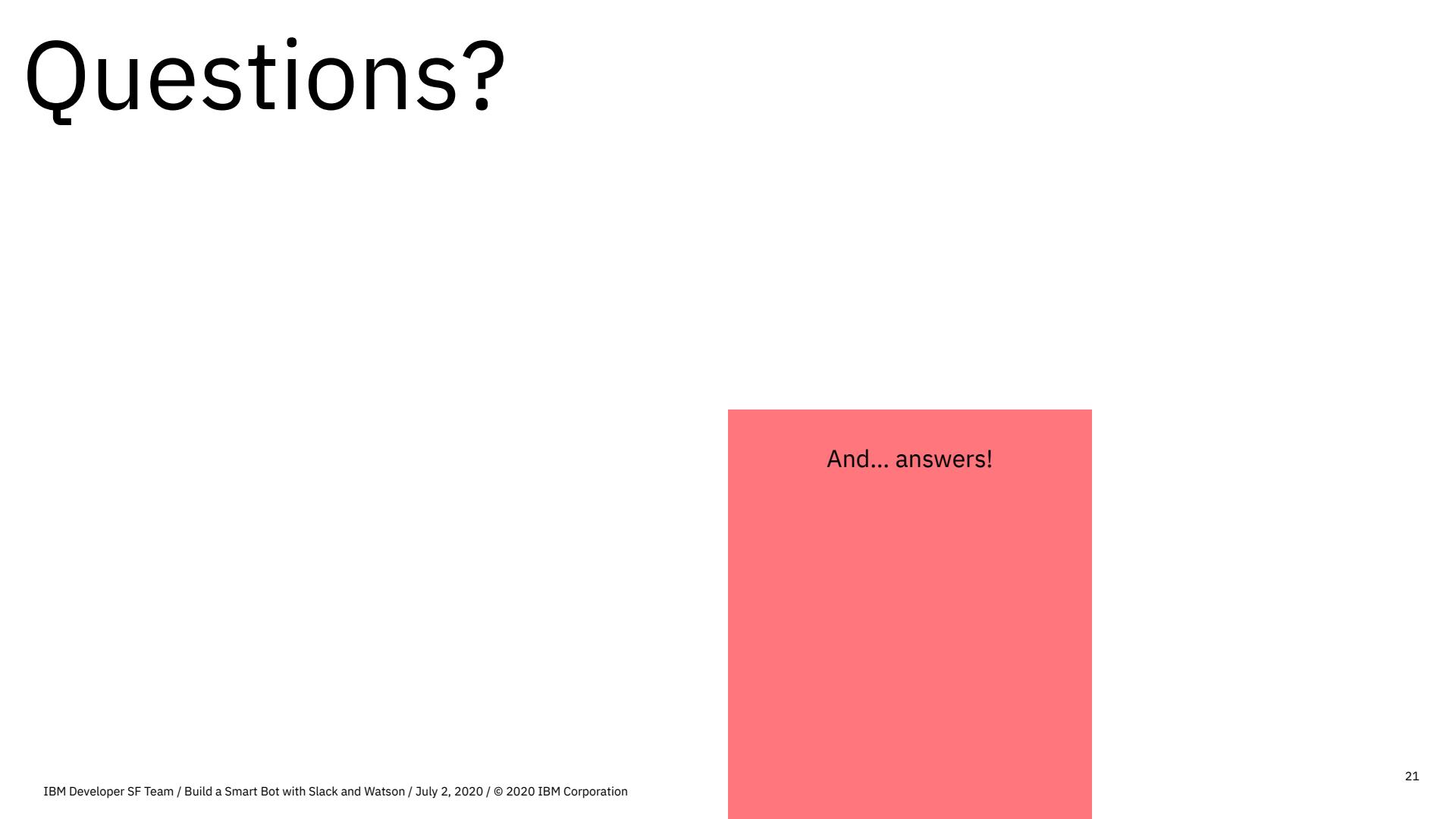
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Questions?



And... answers!

