M365 GURGAON

Powered by Microsoft 365 and Power Platform India User Group

AZURE DEVOPS USING TEAMS

▶▶▶ By Kiran Gudipudi

gkkumar79 kiran-kumar-gudipudi

Brought to you by

HUBFLY Valo

M365Gurgaon #M365Gurgaon

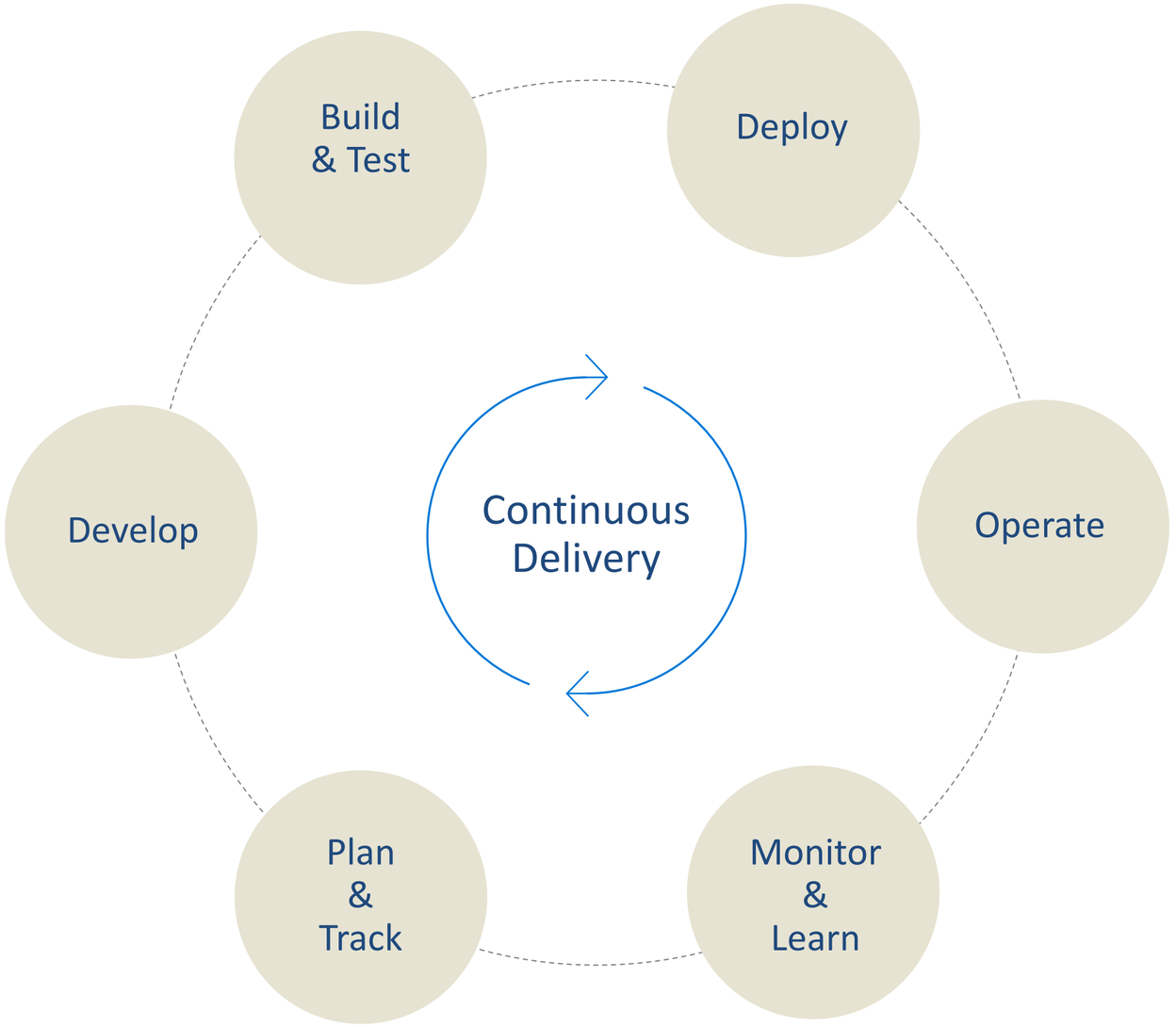
Teams for DevOps Survey

https://forms.office.com/Pages/ResponsePage.aspx?id=v4j5cvGGr0GRqy180BHbRzUe4o2DePNMkqlqbalG0FhUQ1dUTDFBUkxKNVY0MUlFRVBTRDBCUjgzTS4u

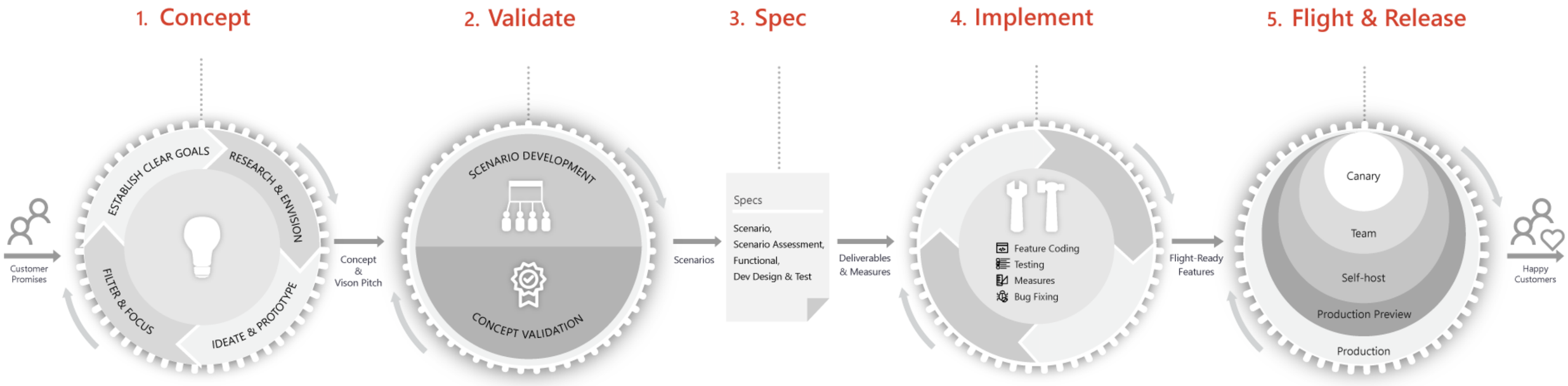
What is DevOps?

People. Process. Products.

> DevOps is the union of **people**, **process**, and **products** to enable continuous delivery of value to your end users.



Product Development Lifecyle



Existing DevOps integrations in Teams

- GitHub (tab)
- Jira Service Desk Cloud
- Jira Sever (connector)
- Magnum CI (connector)
- OpsGenie (connector)
- TFS (connector)
- GoSquared (connector)
- Buddy (connector)
- Azure DevOps
- BitBucket Cloud
- Jira Server (connector)
- New Relic (connector)
- Orky (bot)
- Travis CI (connector)
- Greenhouse (connector)
- Circle CI (connector)
- Jira Cloud
- Confluence Cloud
- GitHub Enterprise (connector)
- Jenkins (connector)
- PagerDuty (connector)
- Beanstalk (connector)
- Insping (connector)
- Codeship (connector)

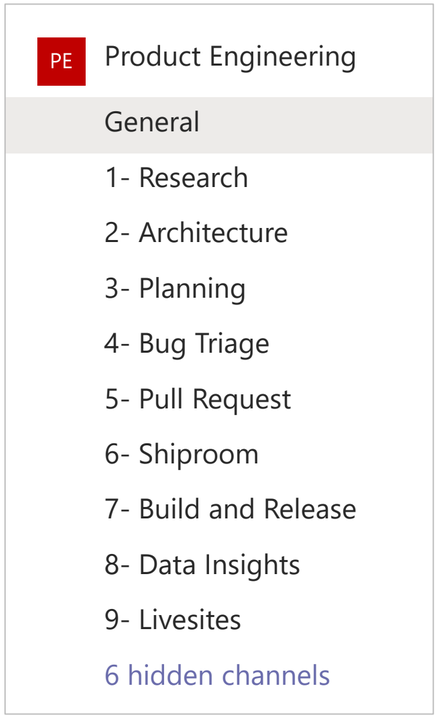
GENERAL TEAM STRUCTURE & FEATURES

Team and channel structure

- Team is organized by topic
- Few special channels are dedicated to Agile processes. Eg.
  - **Spec reviews** for discussing PM Specs and designs
  - **Announcements** for feature announcements
  - **DF Feedback** For internal dog food bug reporting

- Topics are organized by channel to simplify discussion
- Files tab helps track files that have been shared in the channel
- Persistent history ensures new hires can get up to speed to what team is doing

Set up the workspace



Channels
Conversations (including channel meetings)
Tabs
Apps
* May further separate Announcement or Strategy from it

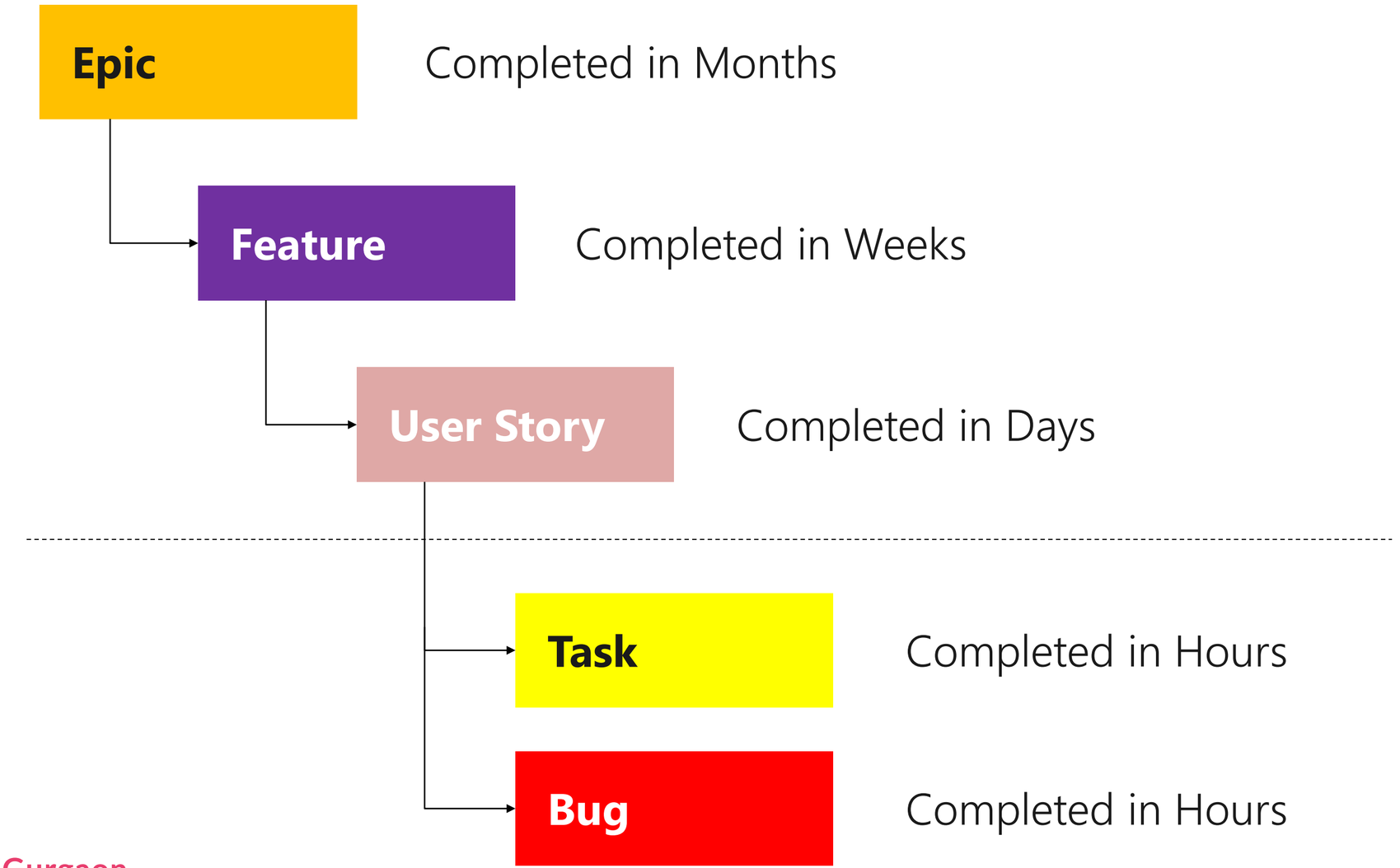
General*	Research	Architecture and Spec	Planning	Bug Triage	Pull Request	Shiproom	Build and Release	Live Sites	Data Insights	More by Features
Member Welcome and Departure	Compete Info	Architecture Idea	Feature Roadmap	Bug Resolution	Code Review	Shiproom Meeting	Build Deployment	OnCall Bridge	Report Needed	Feature Details
Feature Crew Agreement	User Experience	Design Strategy	Feature Intake	Bugbash		Data Hydergine	Release Deployment	Major Incidents	Finding/ Analysis	
Business Review Readout	Persona/ Use Case	Feature Prototype	Budget Estimation			Past-due Item Action		Postmortem	Measures	
Strategy Announcement	Proposal	Spec Review	Planning Meeting			Bug-fix Schedule		Incident Triage		
Vision/ OKRs	Research Readout	Templates	Quarterly Planning Dashboard	Bug Triage Query	Dashboard	Dashboard	Pipeline Wiki	ICM Dashboard	Dashboard	
Career Development Resource	Research Methodology		Feature Crew Distribution	Dashboard		Template				
Org Yammer Community			ROI Evaluation							
Engineering Hub			Retro Form							
MSFT Stack Overflow				Azure Boards	Azure Repos		Azure Pipelines	Obi		

Apps support culture change: Praise, Kudos, Icebreaker

SCRUMS

Scoping Work

Product Planning



Sprint Planning

- Creating user stories/tasks from Teams
- Scoping work items to sprint iterations
- Assigning work items
- Team being able to access sprint board directly from Teams

CODE REVIEW - PULL REQUESTS

Scenario

- Team needs to be notified when a new pull request

Solution

- Dedicated channel setup with the Azure DevOps connector
- Connector can be setup to specify details like, project, repository, branch, team etc. to make sure only the right notifications flow through

Build and deploy

Build creation, monitoring alerts

Trigger Deployment stages

Deployment stages approval notification

Build and Deployment status

Production

Production Dashboard

Azure Dashboards

Alerts

Watch Dog, Availability, Auto Heal, Service

MS-Flow, API, App Insights with Teams

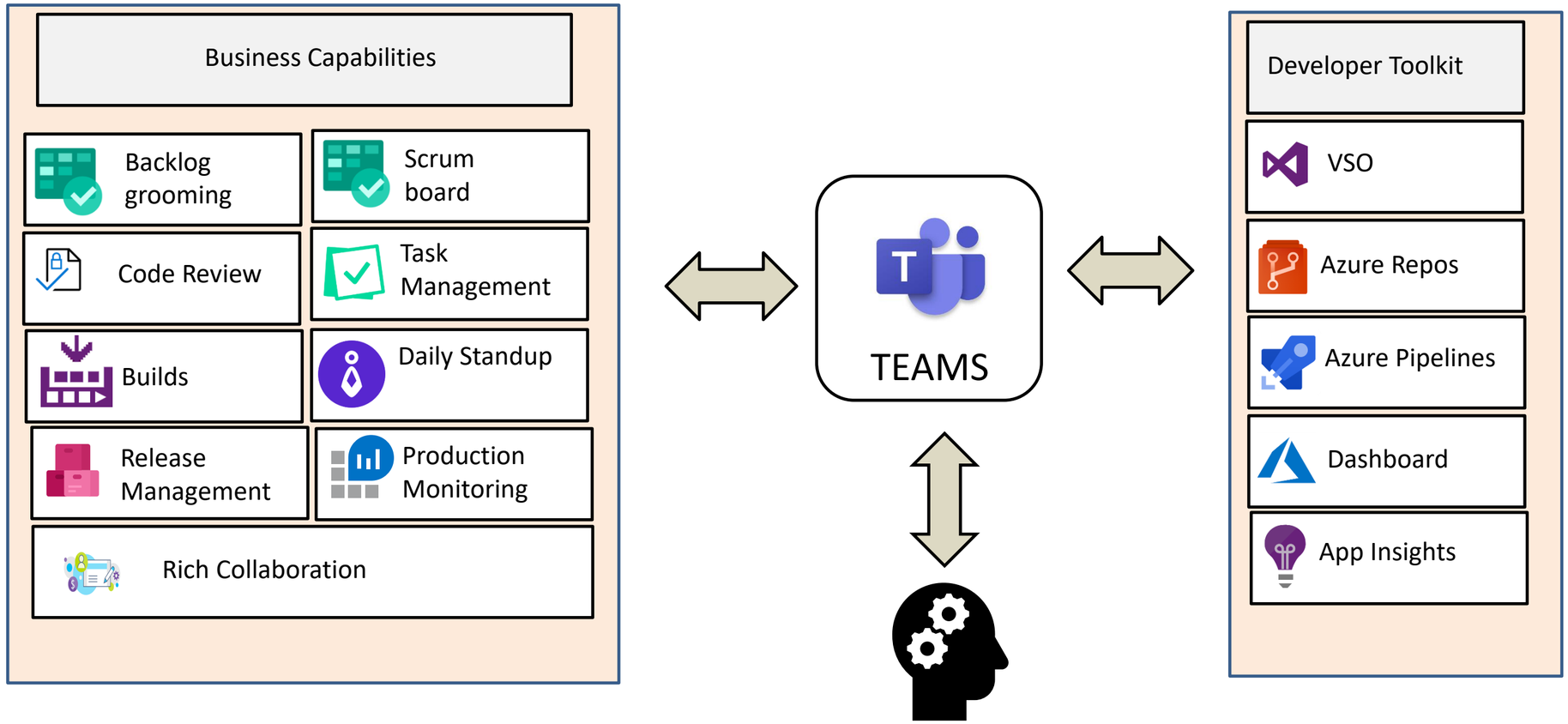
IcM Rotation

Shifts

Teams – DevOps Integration

Customer Values

- Increased Productivity (save ~20mins per dev per day)
- Richer Collaboration
- Increased visibility across spectrum

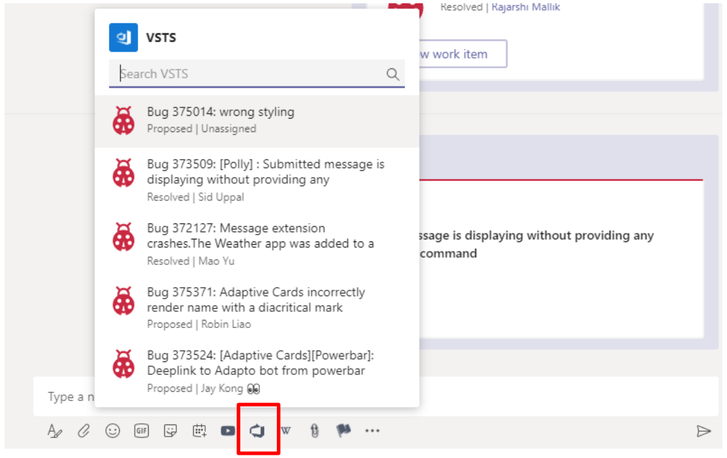


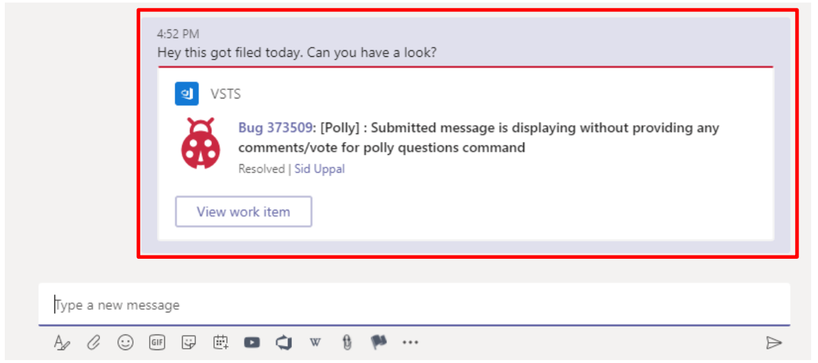
Slack Compete for ITES Domain

ADDITIONAL INTEGRATIONS

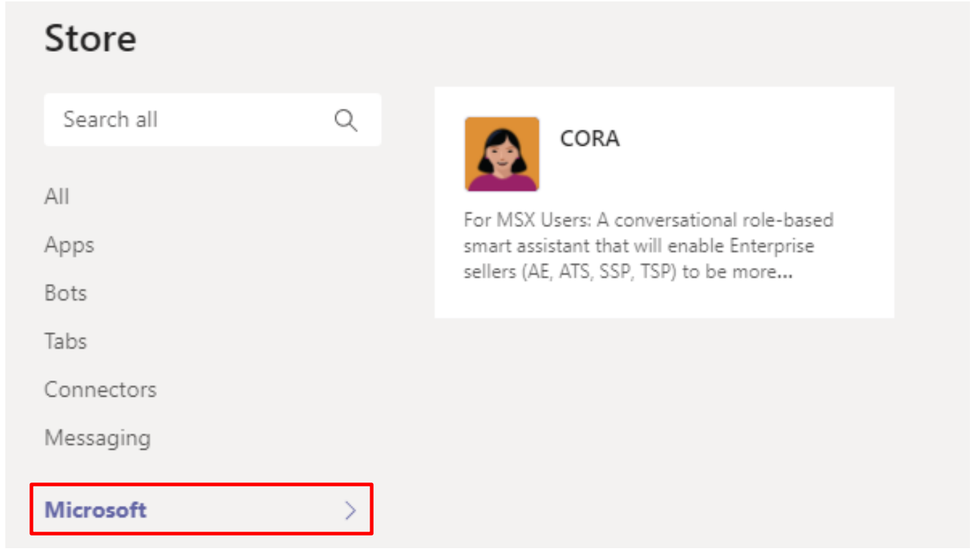
There are also numerous other ways in which to integrate with Teams for your DevOps needs

- **Messaging extensions:** Include work item details in a conversation





- **Line of Business/Private apps:** Can setup apps that are only relevant to your organizations and processes



Additional integrations:

VSTS
Developer tools

Plan better, code together, and ship faster using Visual Studio Team Services (VSTS). Find work and collaborate better with your team.

Asana
Project management

Asana helps you clarify who's doing what by when. Assign tasks and due dates to stay accountable to each other.

GitHub
Utilities

Browse issues and pull requests for your repositories within Teams using V-Empower's GitHub for Microsoft Teams.

GitHub Enterprise
IT/Admin

Connectors keep your team current by delivering content and updates from services you use directly into a channel. The GitHub...

Bitbucket
Developer tools

Bitbucket Cloud is the Git solution for professional teams. Distributed version control system that makes it easy for you to...

Jira Cloud
Project management

Jira Cloud is an issue management tool that helps to plan, track, and release world-class software.

Trello
Project management

Trello lets your team work more collaboratively and get more done. Trello's boards, lists, and cards enable you to organize and prioritize...

. . . And many more

Questions?

Microsoft 365 and Power Platform India User Group

HUBFLY

Valo