

Triggering Builds Remotely



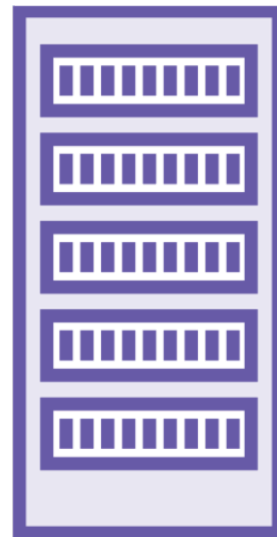
George Smith

SOLUTION ARCHITECT & EDUCATOR

@GeorgeS11323298

API Integration

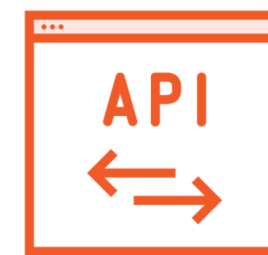
Jenkins



Endpoint 1



Endpoint 2



REST, GraphQL, etc.

Application



Intro



What you will learn:

Executing Single Jobs

Calling Multiple Jobs with Postman

Publishing Reports with Newman

Triggering Jobs via Slack

Executing Jobs Remotely

Challenge of Scale



Execute Multiple Jobs

How to automate the process?

Publish Results

How do we distribute them?

Up Next:
Executing Multiple Jobs Remotely

Executing Multiple Jobs Remotely

REST



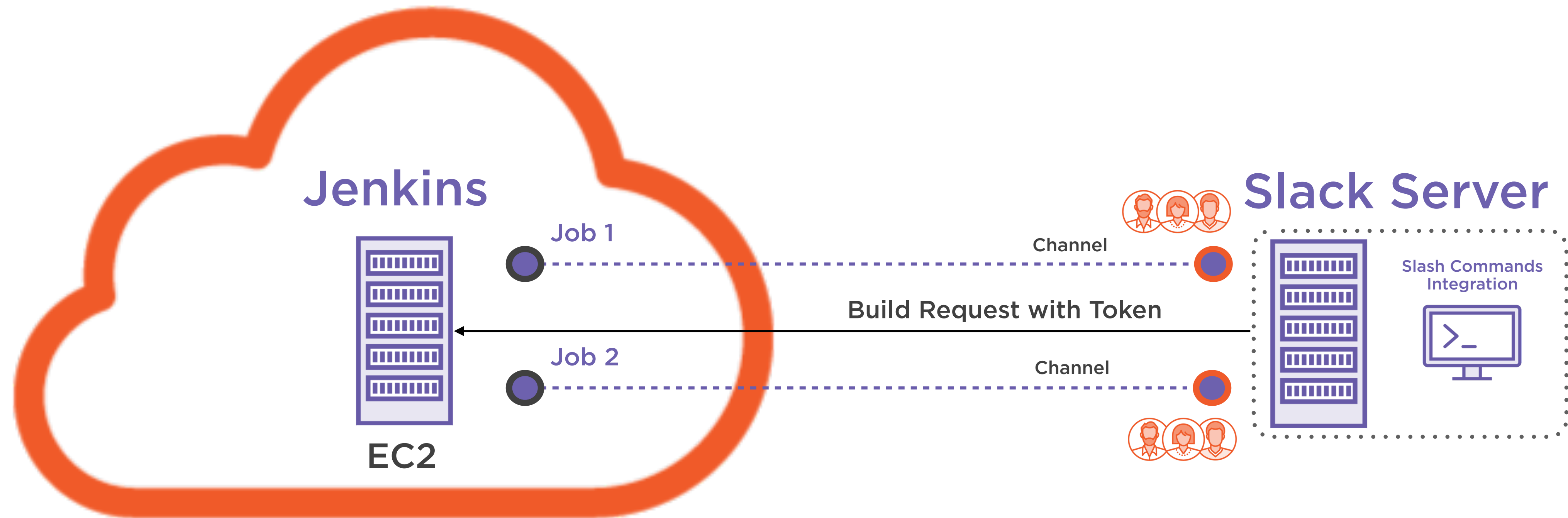
Test multiple builds
Publish results

Provide a different token for
each Jenkins job

Up Next:
Triggering via Slack

Triggering via Slack

Jenkins Integration with Slack

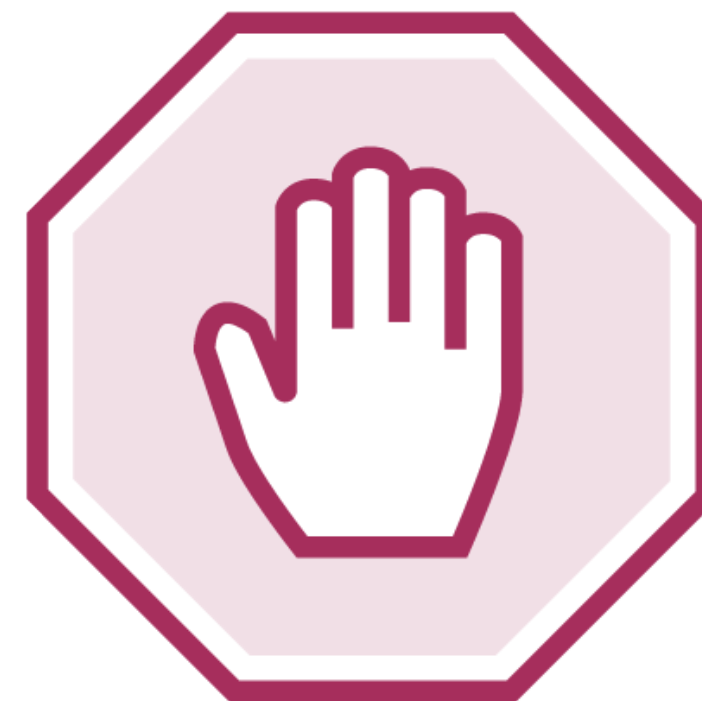




No security items needed in Jenkins

Access control for job execution:

- Private channels
- Scripts that validates the principal



Summary

Summary



What you learned

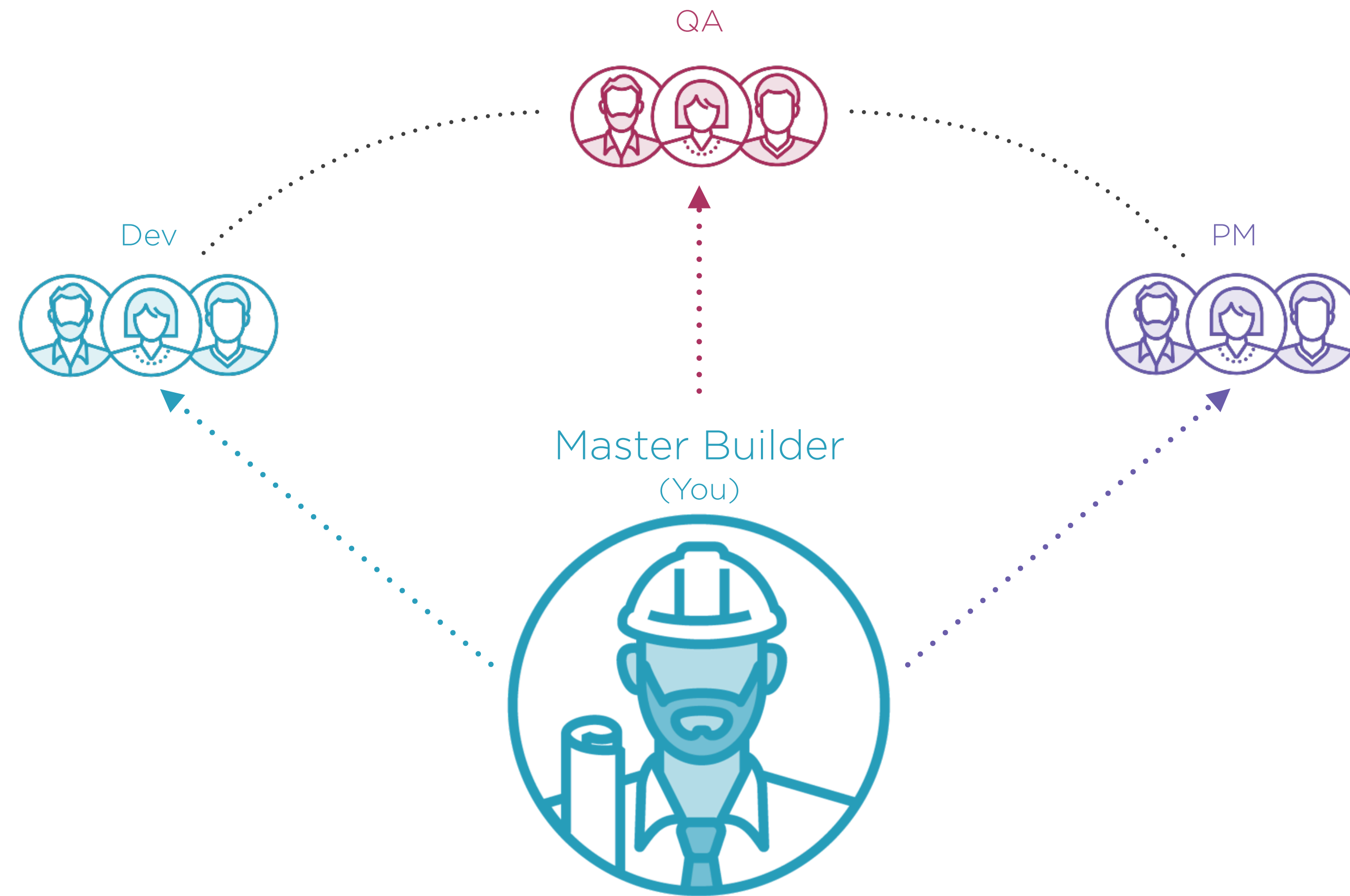
Executing single jobs remotely

Grouping remote job runs and publishing results

Integrating with business communication platforms

Communicate actively
across the organization

Communications in the Organization



Up Next:

Course Summary and Next Steps

Course Summary



AWS

Microsoft Azure

Google Cloud

Digital Ocean

Targeted Skills for Career Development



CLIs for all major cloud providers

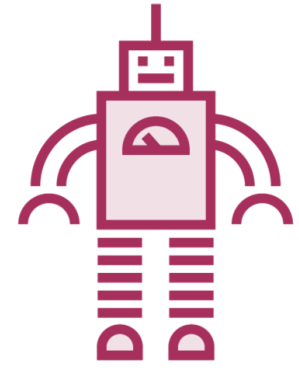


Cloud Native CI / CD Services like AWS CodeCommit, CodeBuild, CodePipeline



Scripting in Groovy, Go and other popular languages

Targeted Areas for Career Development



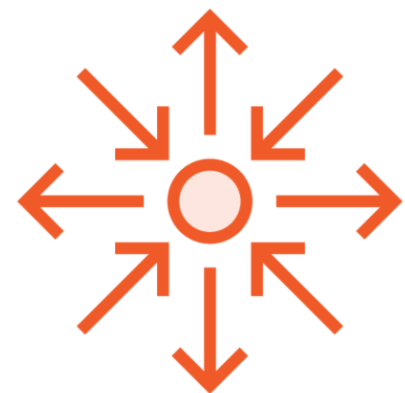
Automation - systems / components to be provisioned for Jenkins to use



Security - e.g. leverage scalable security mechanisms for growth



Storage - accommodate ever evolving needs



High Availability - for robust Jenkins infrastructure

Thank you for Watching



