

Google™



Git at

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THIS IS GIT. IT TRACKS COLLABORATIVE WORK
ON PROJECTS THROUGH A BEAUTIFUL
DISTRIBUTED GRAPH THEORY TREE MODEL.

COOL. HOW DO WE USE IT?

NO IDEA. JUST MEMORIZE THESE SHELL
COMMANDS AND TYPE THEM TO SYNC UP.
IF YOU GET ERRORS, SAVE YOUR WORK
ELSEWHERE, DELETE THE PROJECT,
AND DOWNLOAD A FRESH COPY.





Use of Git

GitHub



~40 organizations

AngularJS, Dart, Polymer, Golang,
Kubernetes, gRPC, Google Cloud,
Ganeti, sample application code, ...

Git



Just a basic Git server

Chromium
Personal repositories

Gerrit



We ♥ Gerrit.

Android, Golang, GWT, BoringSSL,
Linux, ChromiumOS, ...

Gerrit usage

239

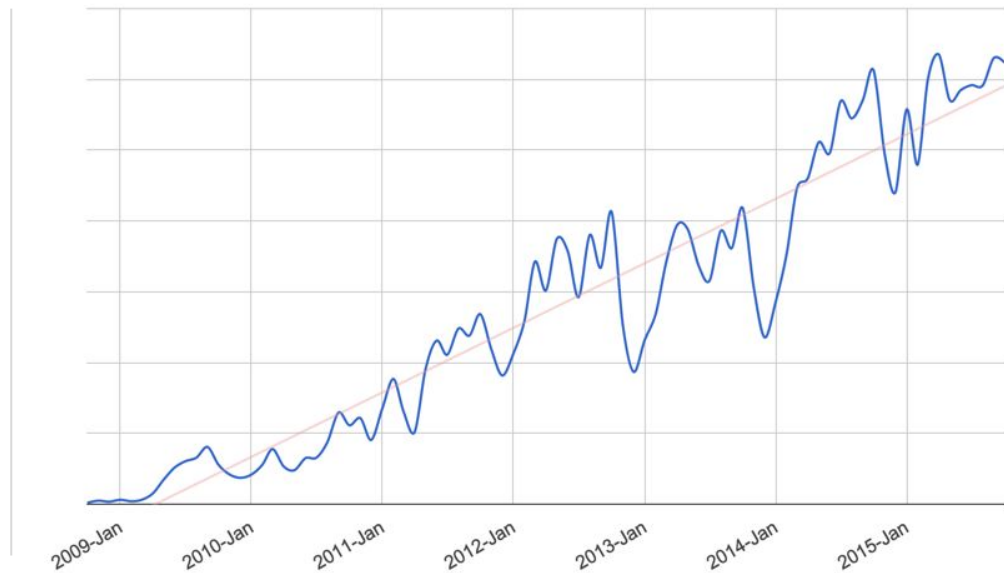
configured Gerrit servers

1.59M

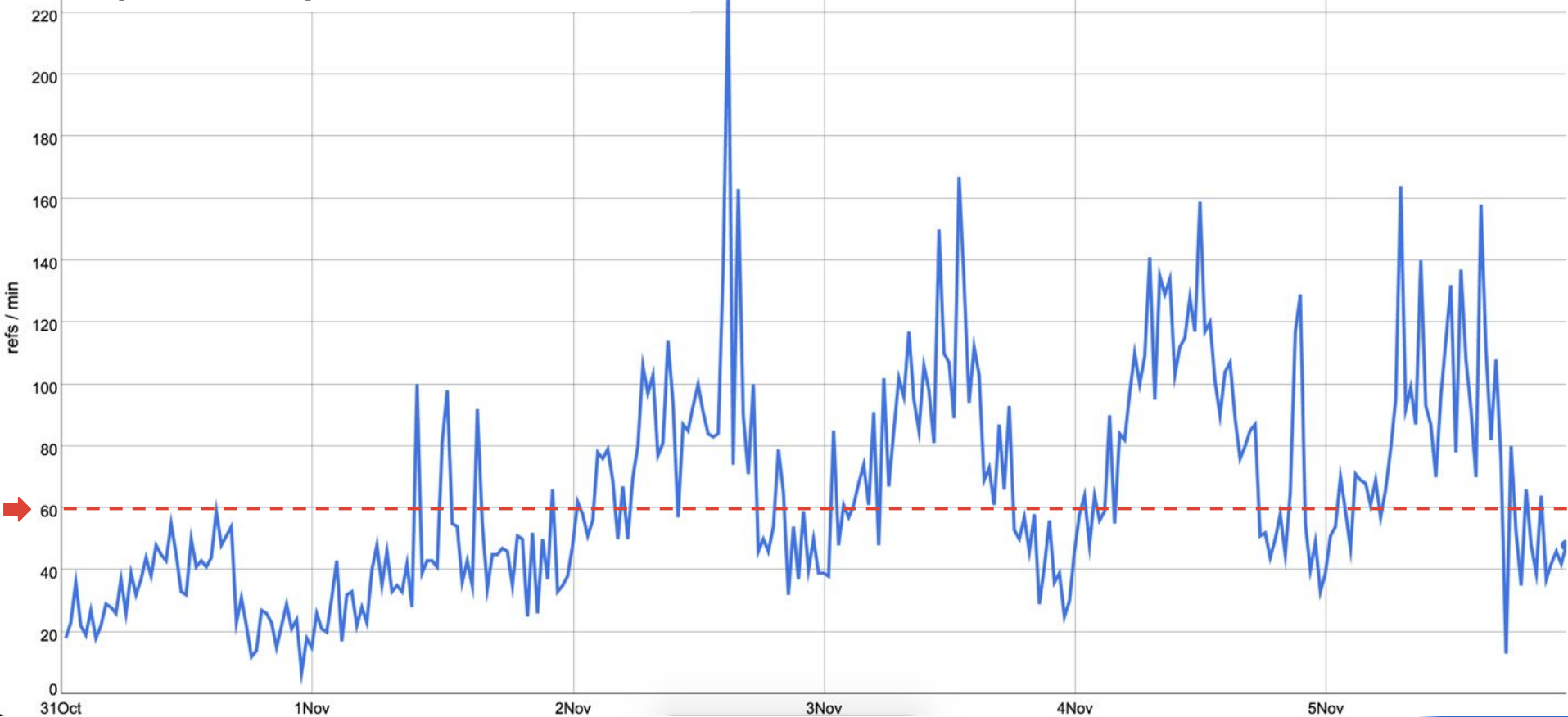
changes

3.78M

patch sets / revisions / commits



Updates per minute



Internal repositories



Personal Repos

Bare repository.
No Gerrit.
Self-created.

3,977

All My **Projects** People Plugins Documentation

List Create New Project Self Service Project Creation

Google TEAM

Create Project

Owner group (ldap/google groups):

Project:

Create

Creates my-team/app-src

Internal repositories



Personal Repos

Bare repository.
No Gerrit.
Self-created.

3,977



Shared Gerrit

1 common Gerrit.
Plugin provides self-
service creation.

Centrally managed servers, backups, etc.



Android, Chrome, ...

Many many Gerrit.
Administration done
by workgroups.



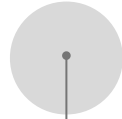
Other

2,440,403

System size (repositories)

2.5M

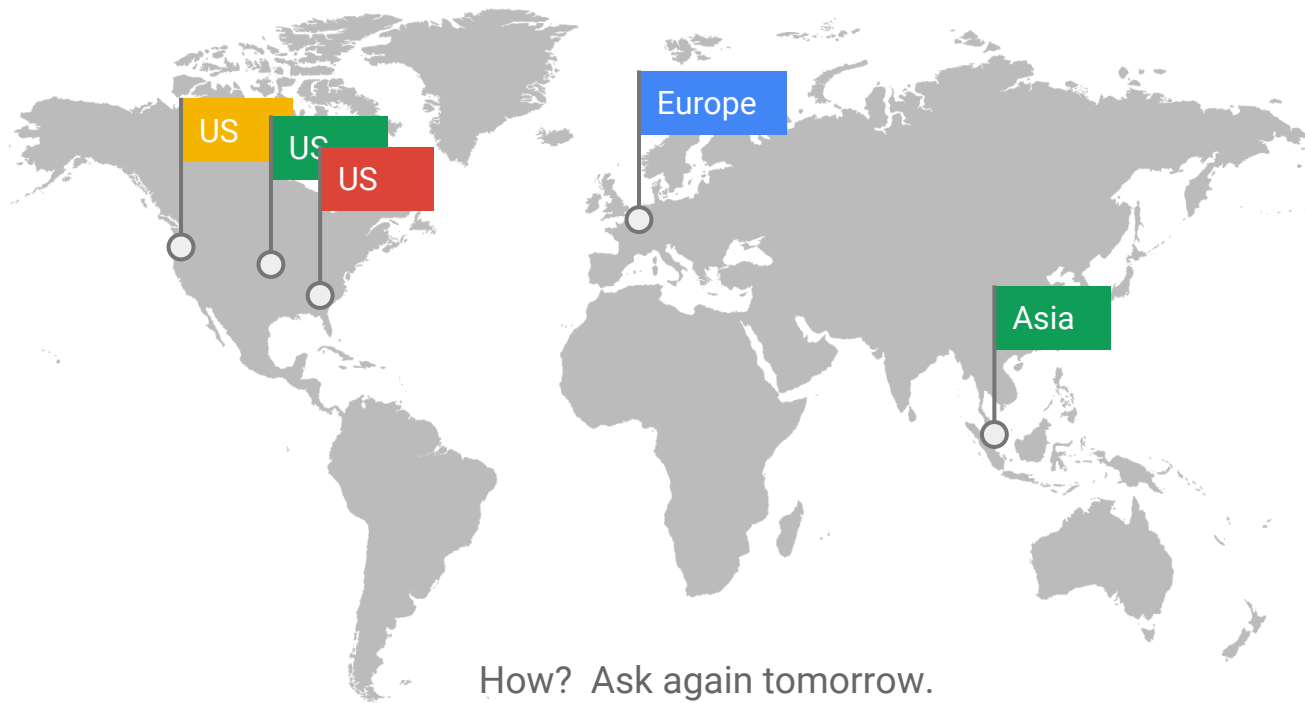
?



426

Gerrit Summit 2012

Server locations



How? Ask again tomorrow.



THANK YOU