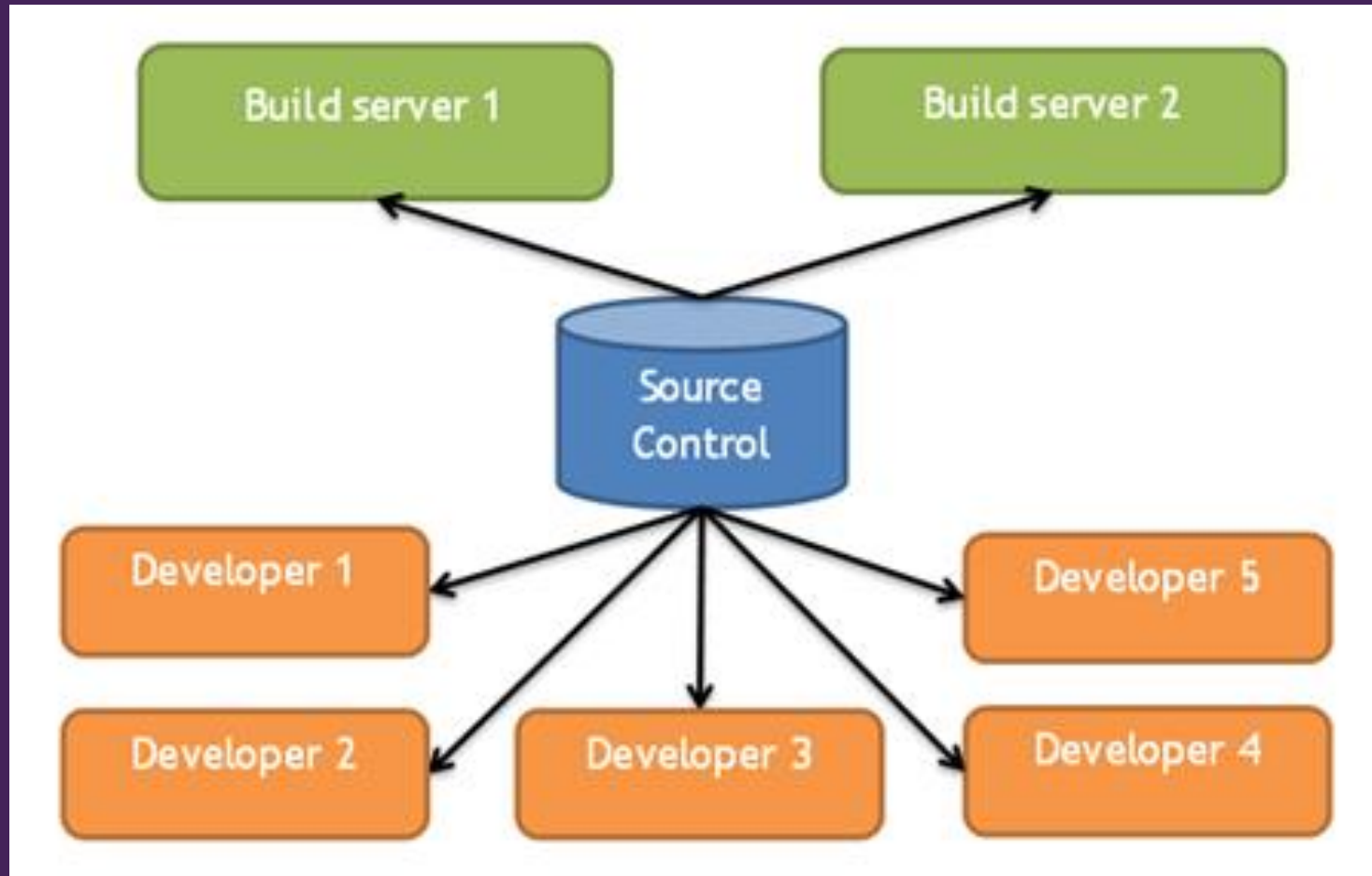


Git Deep Dive

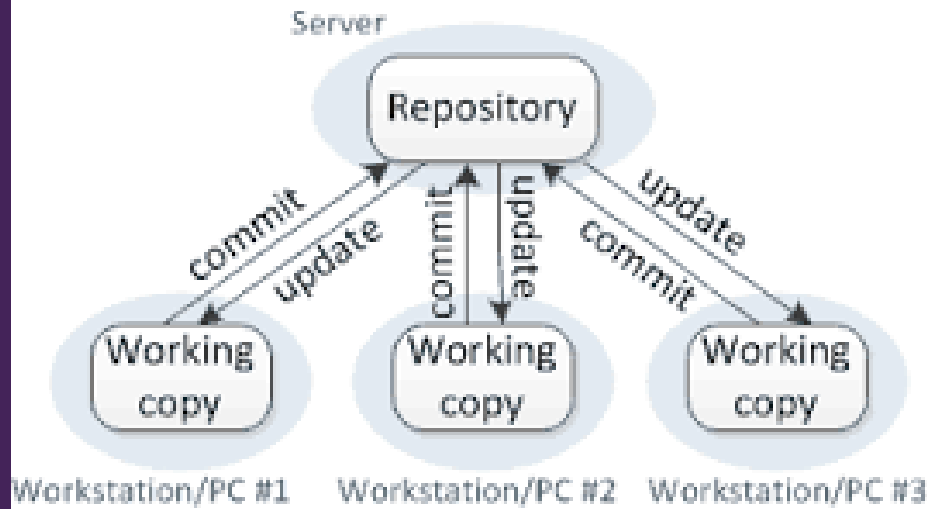
Ritesh Modi
ES DevOps Team

Version control

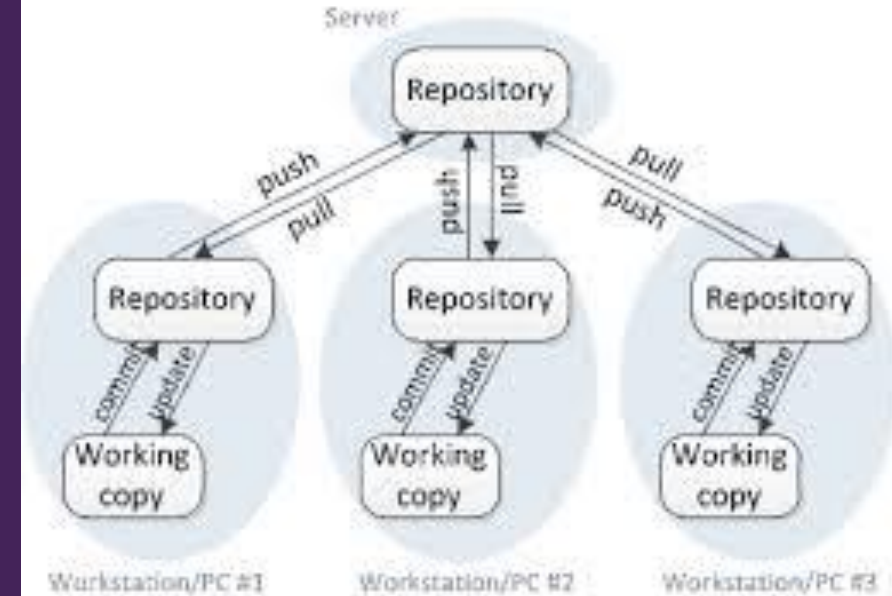


Centralized vs Distributed

Centralized version control



Distributed version control



Git



Distributed

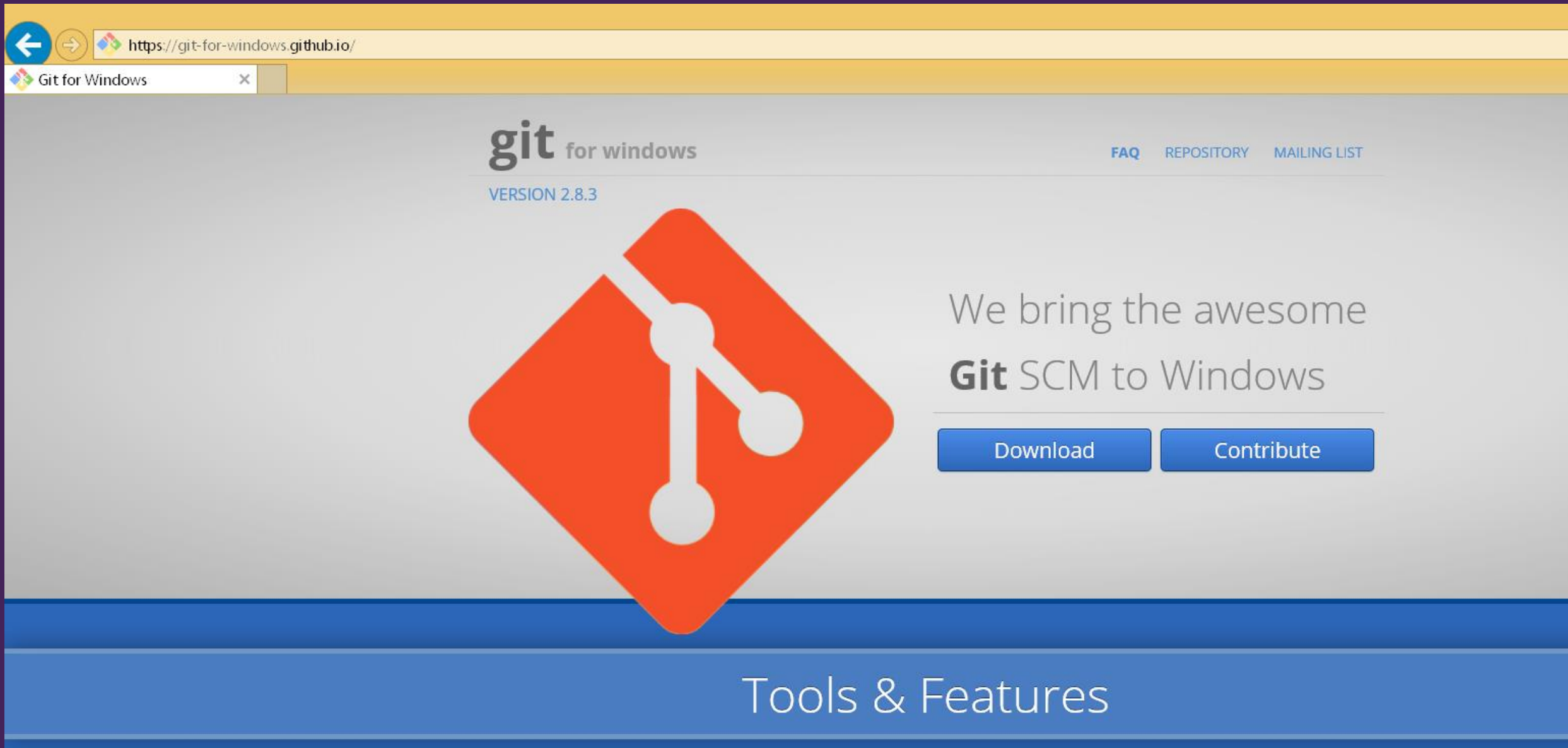
Small and
Fast

Free and
Open Source

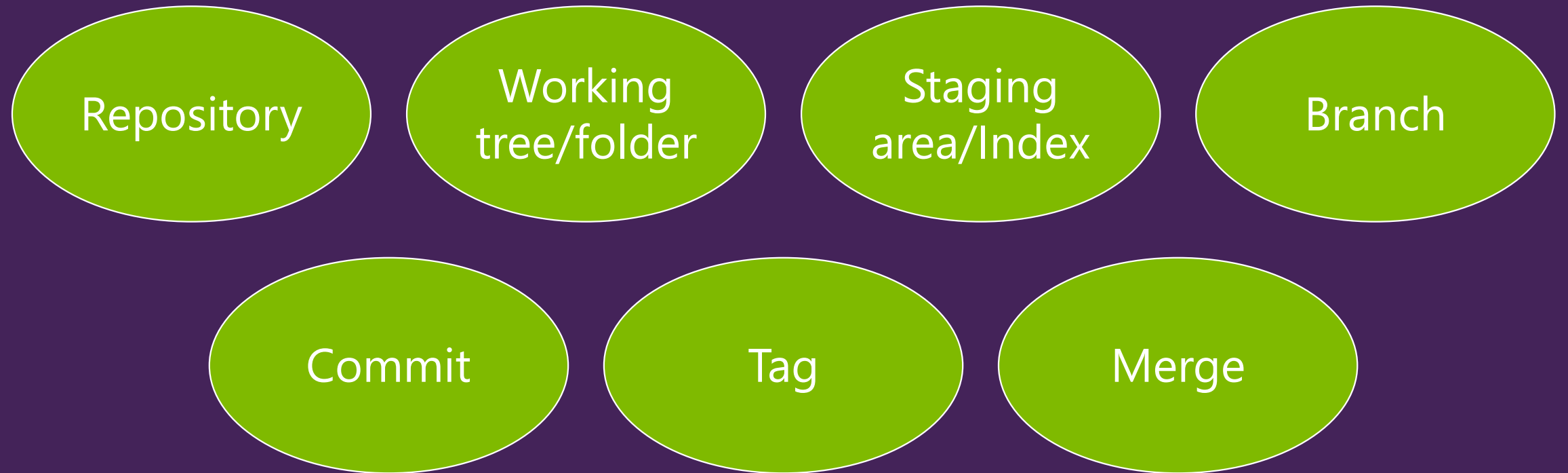
Works with
VSTS

Works with
GitHub

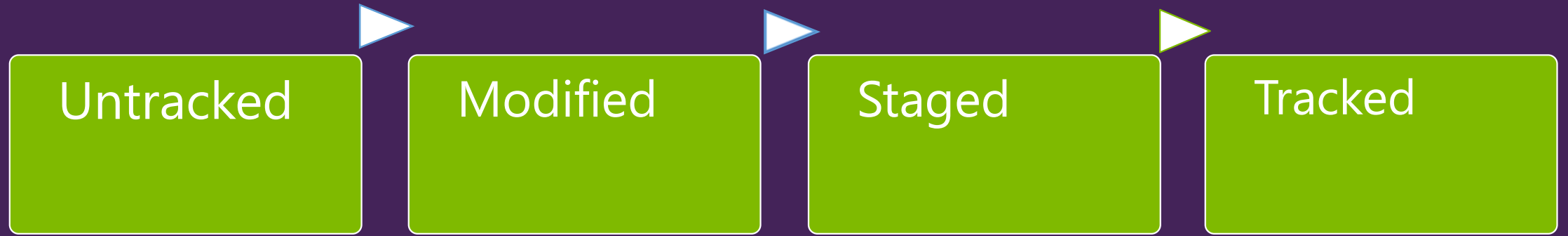
https://git-for-windows.github.io/



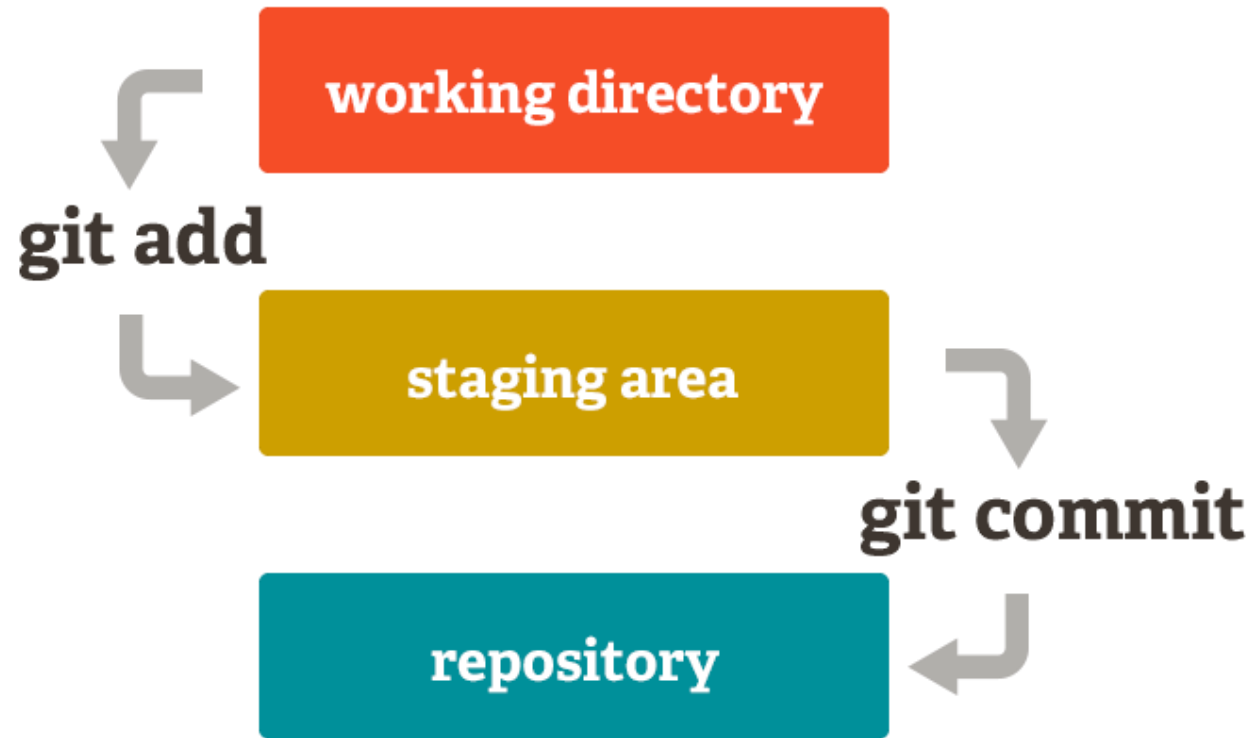
Git Concepts



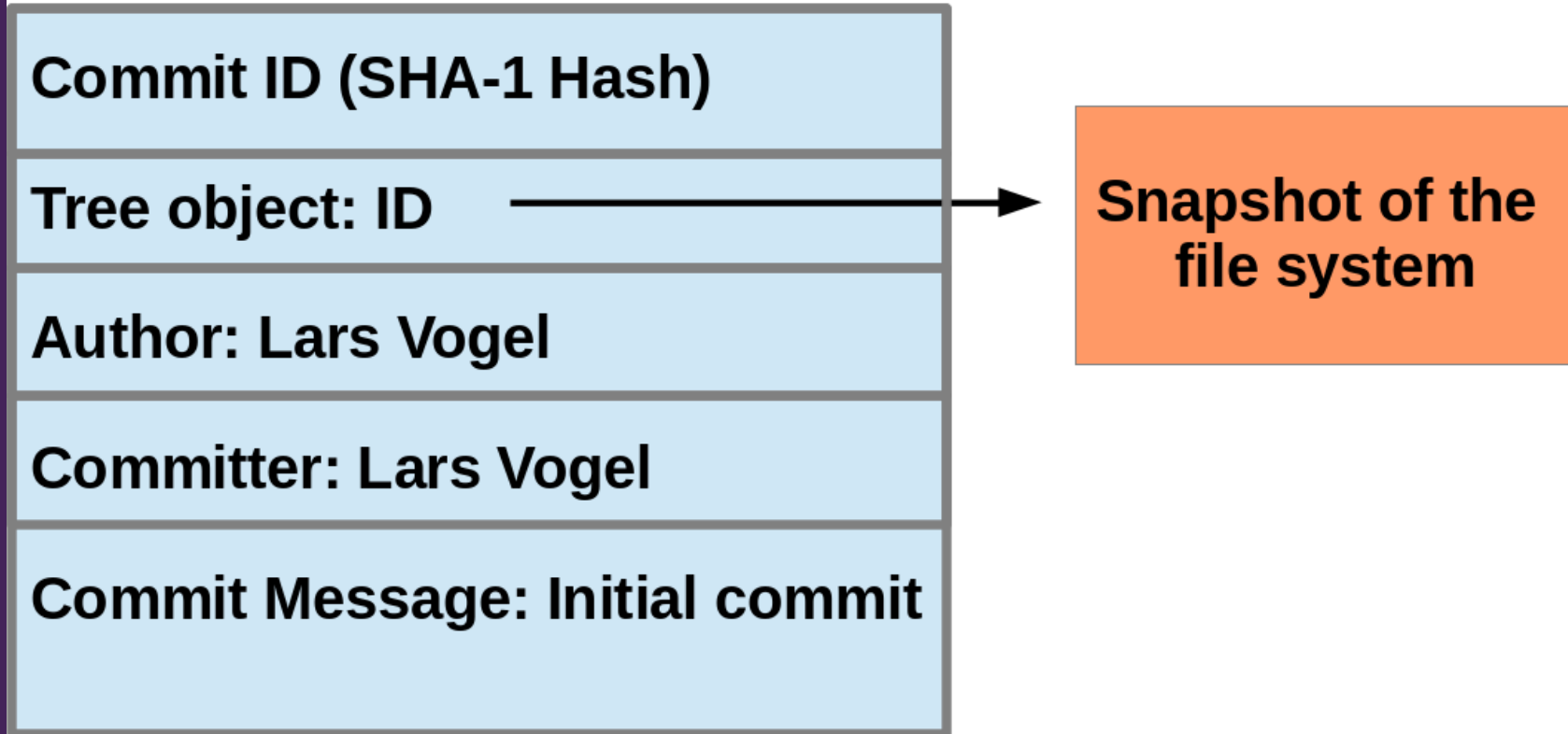
Lifecycle of a file



Steps to Commit



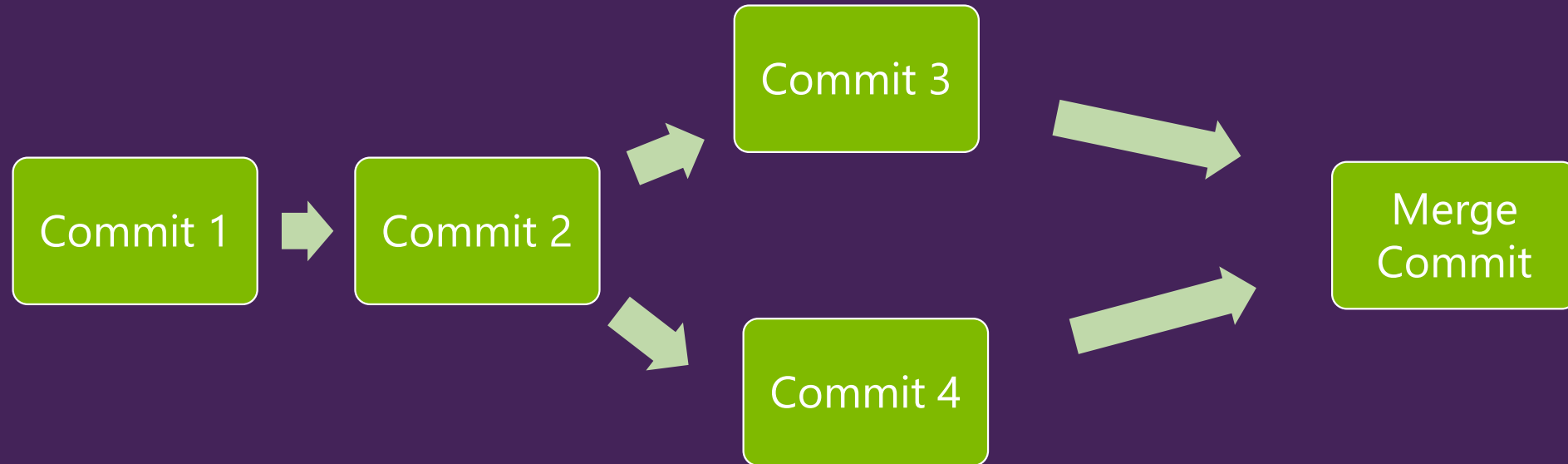
Commit details



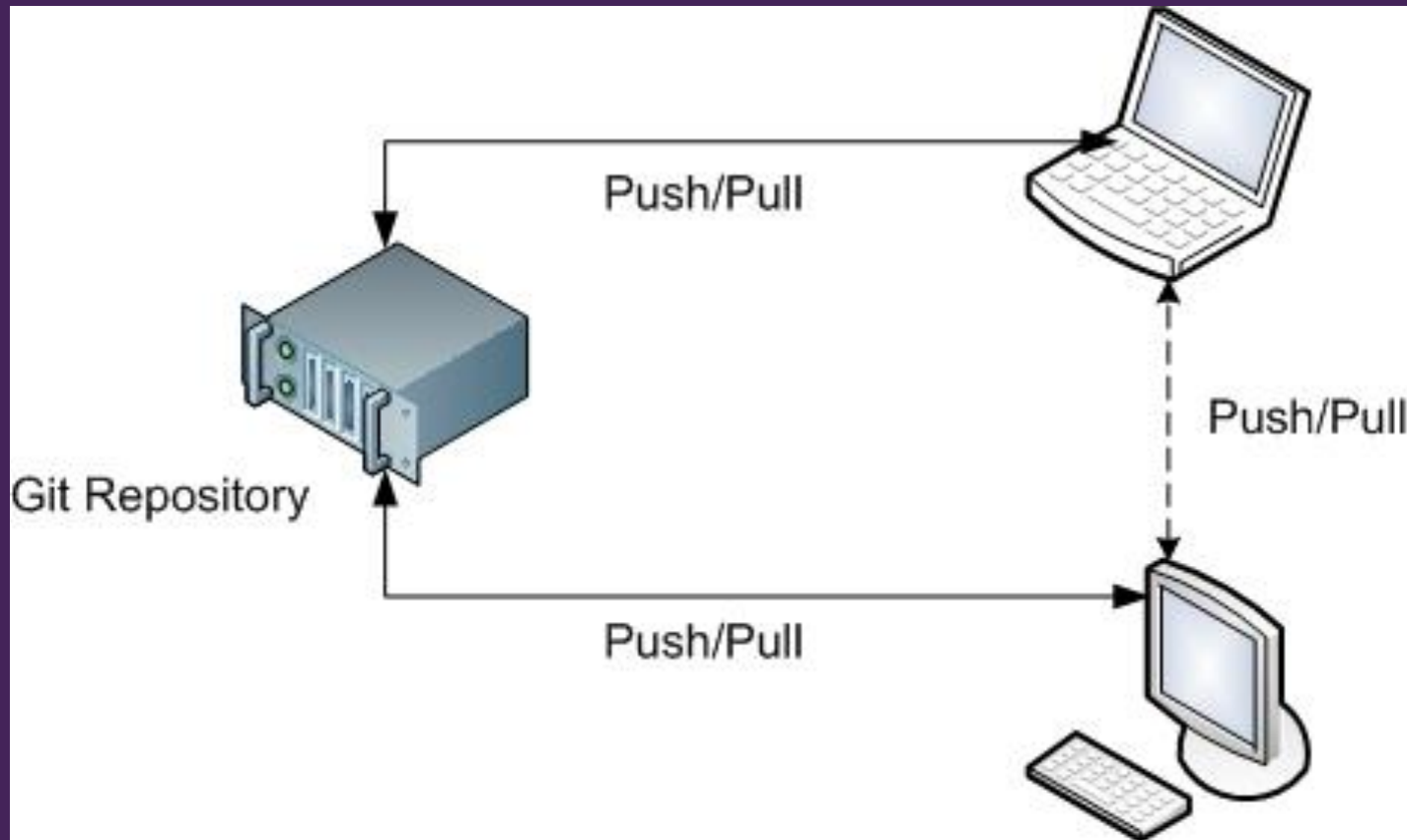
Branching



Merge



Remotes



Demo

ServicesCode - Charter

Provide a centralized & an interconnected platform for Services that

- Enables modern project delivery across all ES Domains &
- Facilitates code harvest, contribution, search and effective reuse across Services

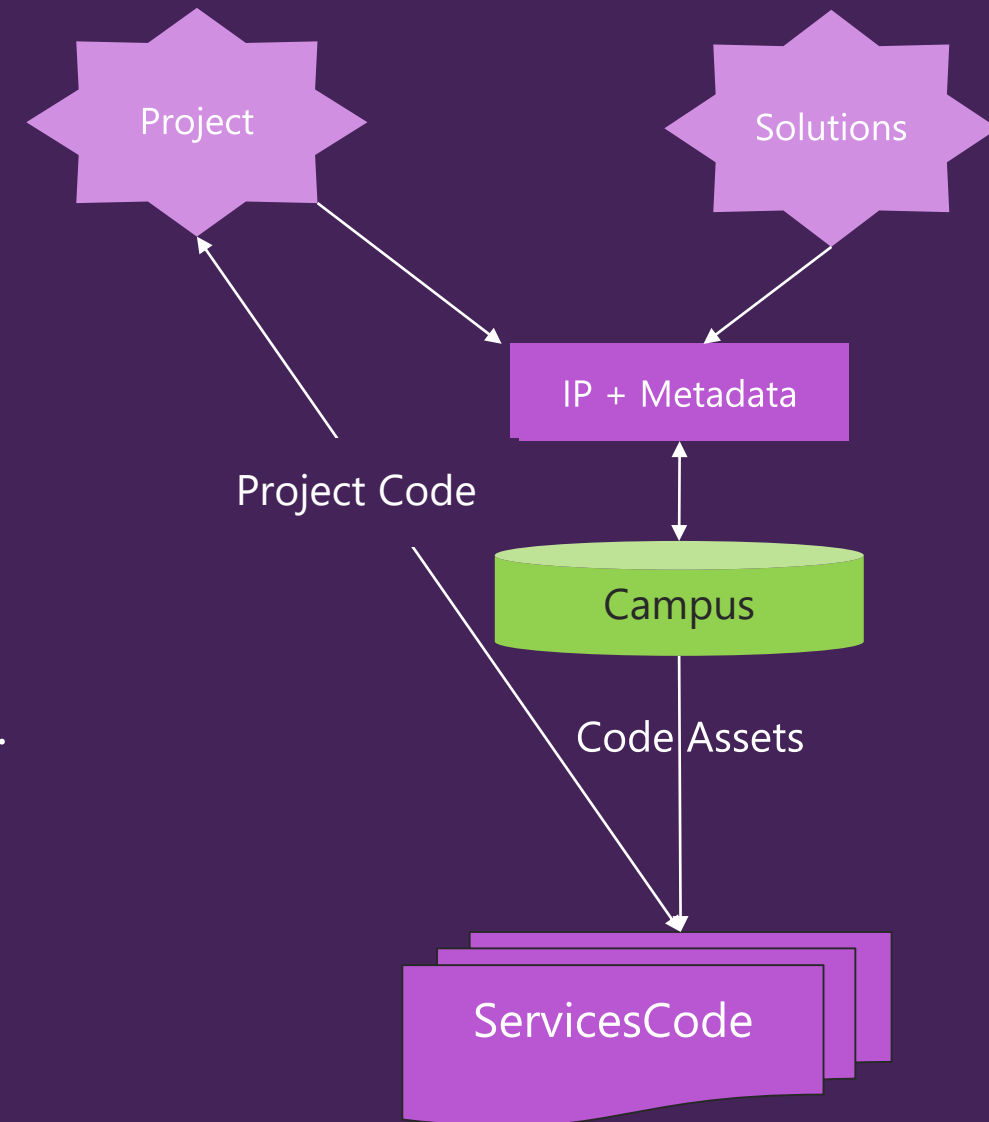
ServicesCode – Why?

Need a modern, standard platform for Code across Services to provide:

- an authoritative store for **all** code developed by Services
- a natural habitat for code assets that nurtures reuse
- seamless collaboration on code assets across Services and wider Microsoft ecosystem

ServicesCode – What?

- A centralized code repository platform
- Provisioned through 1ES (<http://1es>)
- Authenticated with Microsoft Org credentials
- Reachable by “Everyone at Microsoft” but authorized through <http://idweb>
- Standardized process templates based on delivery methodology.
- Project specific access can be enabled for Customer
- git based contribution workflows
- Enabled for cross-account search to leverage/contribute to other code repositories from MSR, MSAzure, OSG, MSIT etc.
- Free for Microsoft colleagues
- Currently has 950+ unique users and 120+ Services internal & customer projects
- Code assets are governed through Campus



How to contact us

- <http://aka.ms/servicescode>
- Email ES DevOps Help
- aka.ms/servicescodewiki

Thank you