AWS – CodeCommit

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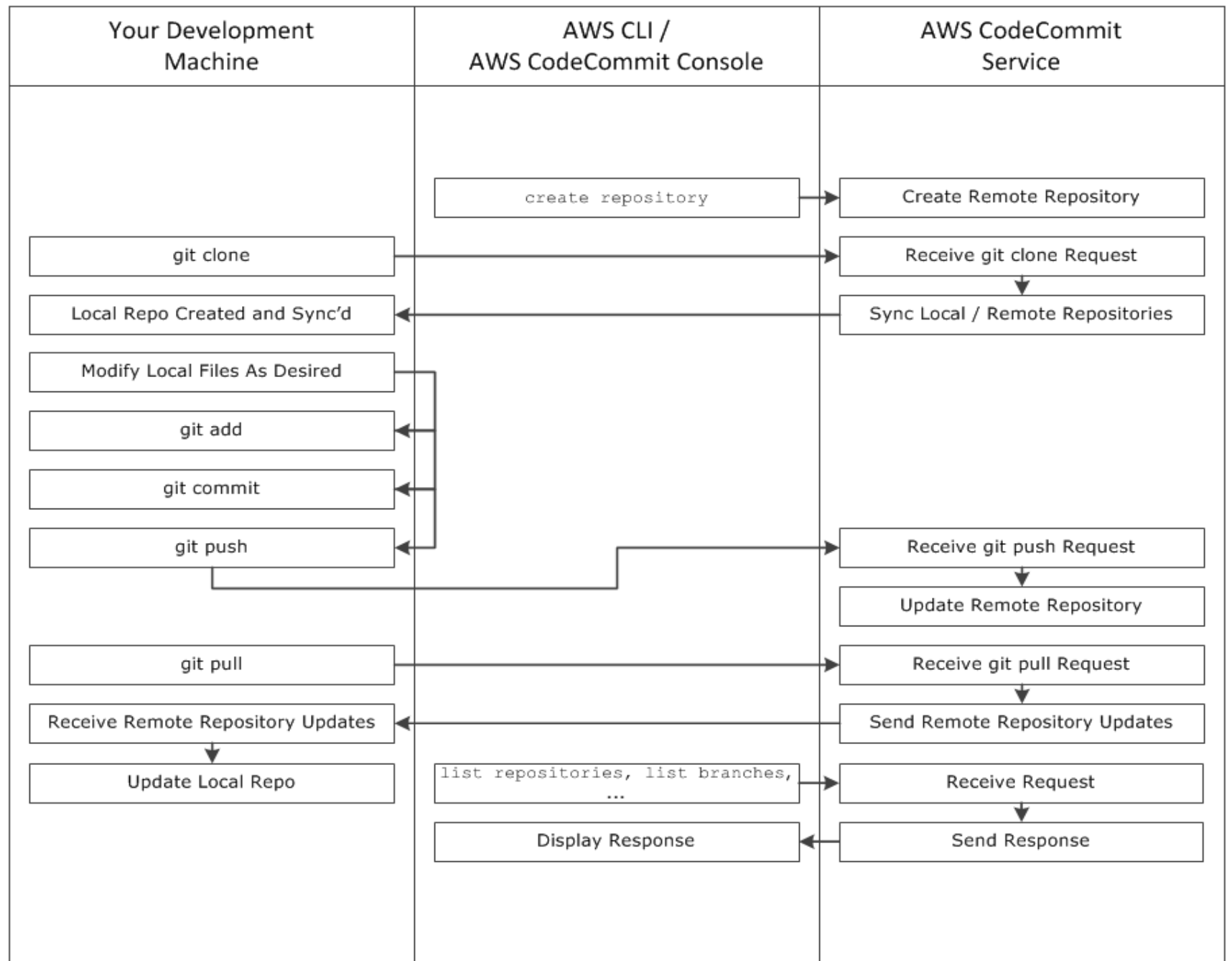
Concepts of CodeCommit

- AWS CodeCommit is a version control service hosted by Amazon Web Services

Benefits of CodeCommit

- Benefit from a fully managed service hosted by AWS.
- Store your code securely
- Work collaboratively on code
- Easily scale your version control projects
- Store anything, anytime
- Integrate with other AWS and third-party services
- Easily migrate files from other remote repositories
- Use the Git tools you already know

How Does AWS CodeCommit Work?

Your Development Machine	AWS CLI / AWS CodeCommit Console	AWS CodeCommit Service
	create repository	Create Remote Repository
git clone		Receive git clone Request
Local Repo Created and Sync'd		Sync Local / Remote Repositories
Modify Local Files As Desired		
git add		
git commit		
git push		Receive git push Request
		Update Remote Repository
git pull		Receive git pull Request
Receive Remote Repository Updates		Send Remote Repository Updates
Update Local Repo	list repositories, list branches, ...	Receive Request
	Display Response	Send Response

Terminology in CodeCommit

- Repository
- Files
- Pull Requests
- Commits
- Branches

What can be done on Repository

- Create/view – Create Repo from Console or CLI
- Connect – Clone to the local repo on laptop.
- Share – Share your repo on HTTPs or SSH to other users
- Change – Change the repo Settings.
- Sync -- Synchronize Changes Between a Local Repo and an AWS CodeCommit Repository.

Events/Triggers

Notifications for Type of Events

➢**Pull request update events**

➢**Pull request comment events**

➢**Commit comment events**

Reference links.

https://docs.aws.amazon.com/codecommit/latest/userguide/welcome.html

https://docs.aws.amazon.com/codecommit/latest/userguide/troubleshooting.html