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| **AWS CODECOMMIT SETUP** | |
| 1. **Setting up GitHub Repo** | 1. Ensure you have a Dockerfile and buildspec.yml created for your app.   *Dockerfile and Buildspec.yml is required for code build* |
| 1. **Setting up AWS CodeCommit IAM User with HTTPs Git Credential for AWS CodeCommit** | 1. Do not provide user access to the AWS Management Console 2. Create as an IAM user 3. Attach CodeCommit Access Policy to IAM user with: **AWSCodeCommitFullAccess** 4. Under “**Security Credential**” goto “**HTTPS Git credentials for AWS CodeCommit**” and select “**Generate Credentials**”, Store username/password |
| 1. **Create CodeCommit Repo** | 1. Switch to CodeCommit 2. Click on “Create Repository” 3. Provide Repository Name and Description(optional) |
| 1. **Copy GitHub Repo Data to AWS CodeCommit** | 1. **Clone CodeCommit Repo:** use the CodeCommit repo name from step 3.4 to mirror push “**git clone https://git-codecommit.us-east-1.amazonaws.com/v1/repos/D2B\_002\_CODECOMMIT\_repo”** 2. Clone your Github repo to a local folder on your computer 3. Copy contents of Local git repo to the local copy of your AWS CodeCommit Repo exclusive of the .git folder 4. “Git Add .” followed by ‘Git commit-m “comment”’ commands 5. **Push to AWS CodeCommit:** use the CodeCommit repo name from step 3.4 to mirror push “**git push** [**https://git-codecommit.us-east-1.amazonaws.com/v1/repos/D2B\_002\_CODECOMMIT\_repo**](https://git-codecommit.us-east-1.amazonaws.com/v1/repos/D2B_002_CODECOMMIT_repo)**”**   **~~Github Repo(Online)>>Github repo(local)>>~~codecommit repo(local)>>codecommit repo(online)** |

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| **AWS CODEBUILD SETUP** | |
| 1. **Setup IAM roles and permissions To allow CodeBuild to push Docker images to ECR** | 1. ECR permissions to push Docker images to your repository. You can choose the **aws-managed AmazonEC2ContainerRegistryPowerUser** role 2. CloudWatch Logs permissions to write build logs to CloudWatch Logs. If you activate CloudWatch during the setup, the appropriate policies will be added automatically |
| 1. **Prepare ECR for CodeBuild** |  |
| 1. **Setting up CodeBuild** |  |