**Cost Center Auto Tagging Architecture**

**PREREQUISITES:**

1. Download the below files from BOX (https://alnylam.app.box.com/folder/262300917508)into your local machine
2. buildspec.yaml
3. CostCenter\_Autotag\_CF\_Template.yaml
4. CostCenter\_Autotag.py

**IMPLEMENTATION STEPS:**

1. **ENABLE RESOURCE EXPLORER:**

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(It is enabled).

1. **CLOUDFORMATION STACK:**

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1. Navigate to AWS CloudFormation and click on “Create Stack” to create a new CloudFormation stack or if CF is already there, then ‘create stack with new resources:

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1. Choose an existing template and upload the “CostCenter\_Autotag\_CF\_Template.yaml” from your local machine and click “Next”

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1. A white rectangular object with blue lines

   Description automatically generatedSpecify a stack name, “CostCenter-Autotag-Stack” recommended. Under Parameters, Replace the default value in “CostCenterTagValue” to the relevant value for the specific account. Enter the Versetal Alarms SNS Topic ARN for that specific account  
   Click Next.
2. Leave all the default options as it is in the next two screens. Check the Capabilities Acknowledgement box and click “Submit”.

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1. Wait for the stack to complete creation.

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1. **Upload files in CodeCommit**
2. Navigate to AWS CodeCommit Repositories in the management console. You will see a newly created repository by the name “CostCenter-Autotag-Repo-CFStack”. Click on the repo name.

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1. Click the repo and click the “Add file” option and then click “Upload file”.

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1. A screenshot of a computer

   Description automatically generatedOn Upload a file screen, click “Choose file” and select the “buildspec.yaml” file from your local system. Fill in all the required details and click “Commit changes”.
2. Repeat the above process for “CostCenter-Autotag.py” python code file. The Repository should contain 2 files finally on its main branch. The “buildspec.yaml” file and “CostCenter\_Autotag.py” file.   
   NOTE : DO NOT RENAME THE FILES OR THE RESOURCES CREATED.  
     
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Once all the above steps are followed, the architecture is ready and the autotagging workflow should complete according to the schedule (It executes every Saturday 8 PM ET. Verify on Sunday that it is complete).

Verify:

Open Resource Group and tag editor

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Select ‘Tag Editor”

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