AWS auto onboarding lambda Function

Code and components:

https://github.com/c0rrosive/PC_CFT_toolkit

Changelog:

11/15/23: Updated policy template to include iam:ListPolicyVersions

Note: If cloud provisioning admin service account is used then the account group id in code must match the one assigned to the access key.

Limitations:

Lambdas have a 15 minute maximum timeout and the stack must be created within this time period for initial onboarding. This does not apply to template updates. Individual account stack creation occurs quickly and should not pose a problem but large organizations where stack creation takes longer than 14 minutes could fail.

Use case:

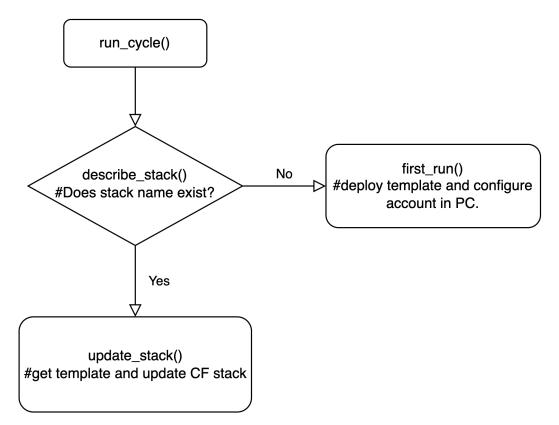
Third party vendor account with no access

Auto-pilot-permissions

Pre-requisites:

- Prisma cloud access key.
- Cloud account access.
- Lambda layer with PCPI built into zip file.

Workflow:

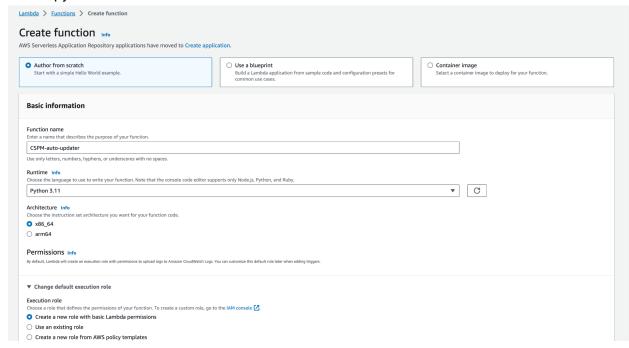


Build lambda layer:

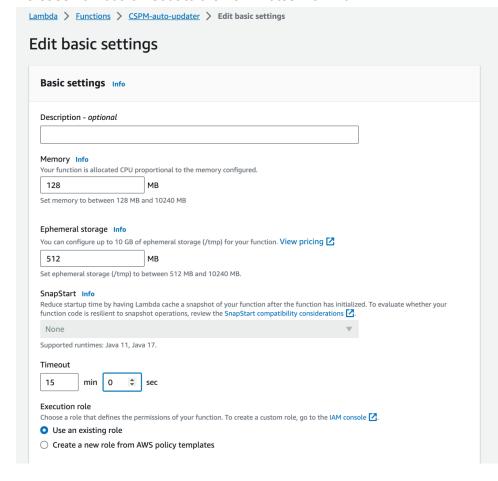
#/bin/bash
mkdir lambda-maker
cd lambda-maker/
mkdir python
cd python/
pip3 install pcpi -t .
rm -rf *.dist-info
cd ..
zip -r PCPI-lambda-layer.zip python/

Setup instructions:

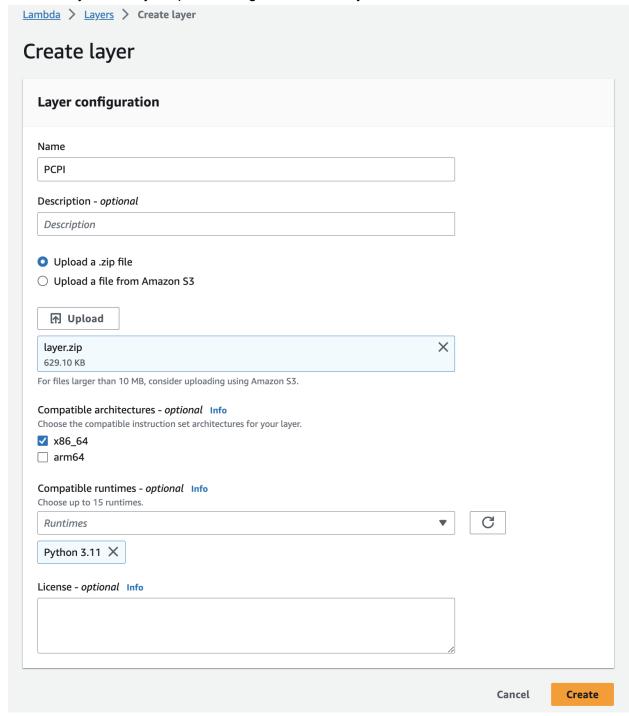
1. Create python Lambda with a new execution role.



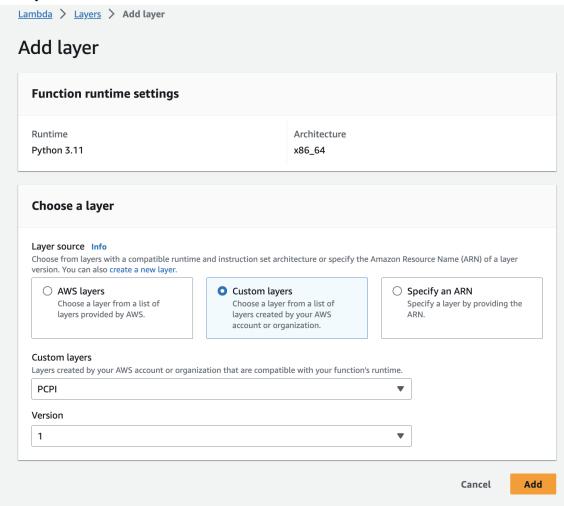
2. Increase Lambda timeout to the 15 minutes maximum.



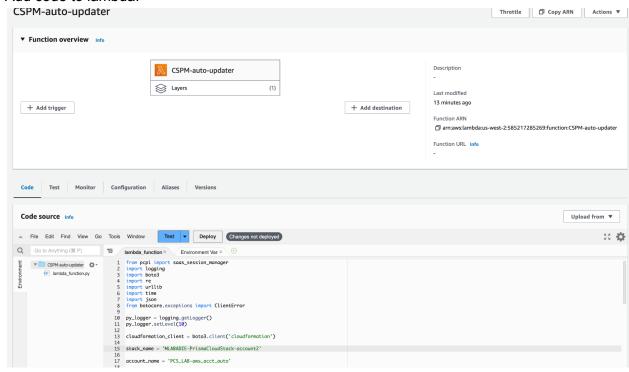
3. Create a layer with layer.zip containing the PCPI library.



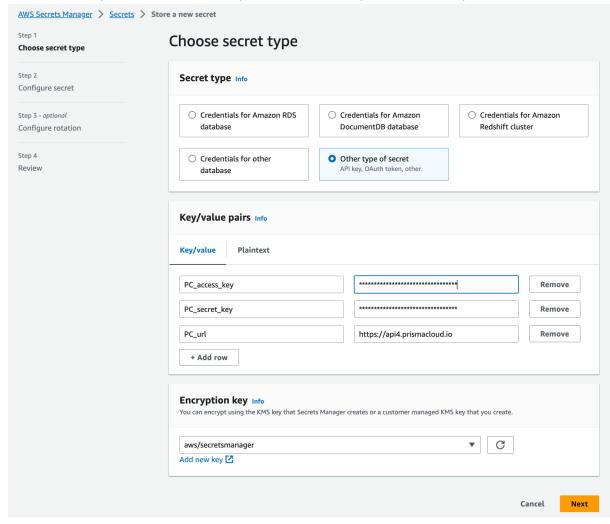
4. Add layer to function.



5. Add code to lambda.



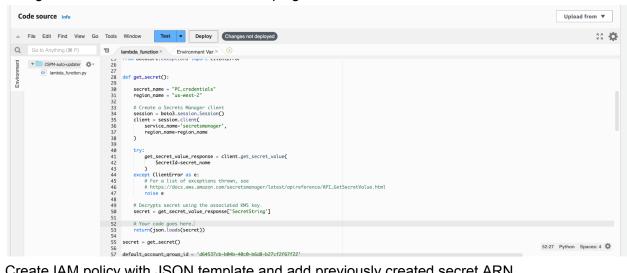
6. Create "other type" secret with 3 keys: PC_access_key,PC_secret_key,PC_url.



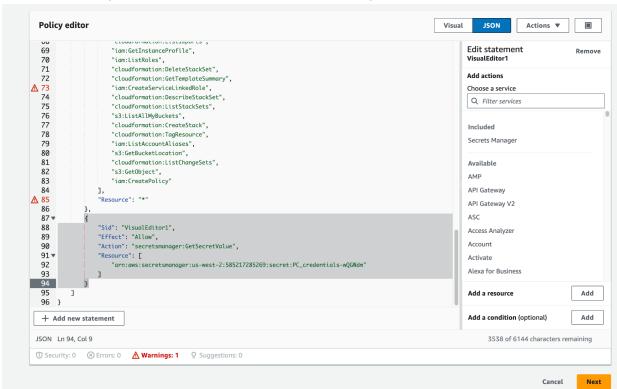
Configure secret

Secret name A descriptive name that helps you find your secret later.			
PC_credentials			
Secret name must contain only alphanumeric characters and the characters /_+=.@-			
Description - optional			
Access to MYSQL prod database for my AppBeta			
Maximum 250 characters.	//		
Tags - optional Key Value - optional			
Tags - optional Key Value - optional owner mlabadie		Remove	
Key Value - optional		Remove	
Key Value - optional owner mlabadie		Remove	
Key Value - optional owner mlabadie		Remove Edit permis	ssion
Key Value - optional owner mlabadie			ssion
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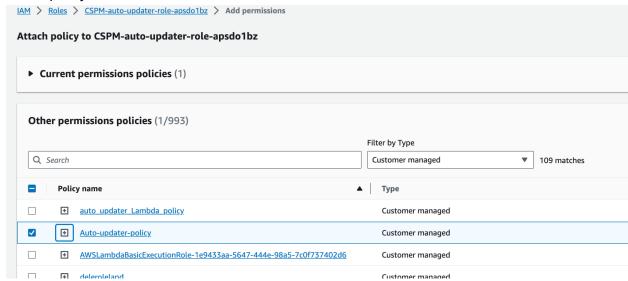
7. Add get secret function to code while keeping return line.



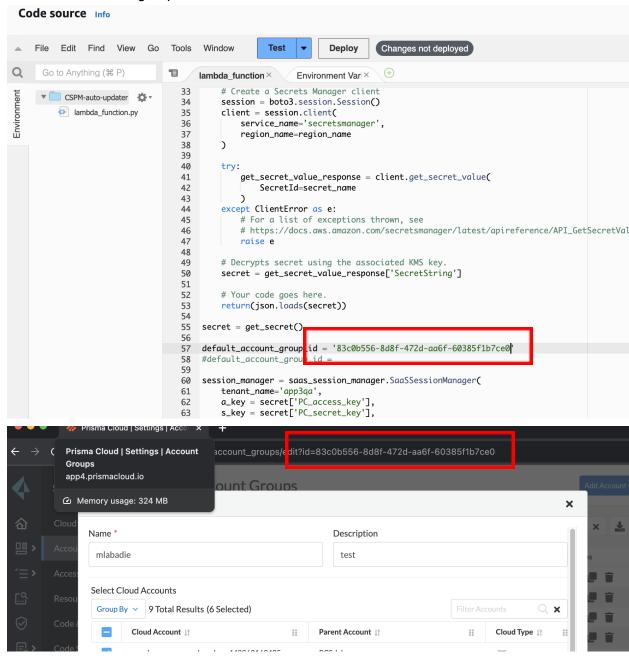
8. Create IAM policy with JSON template and add previously created secret ARN.



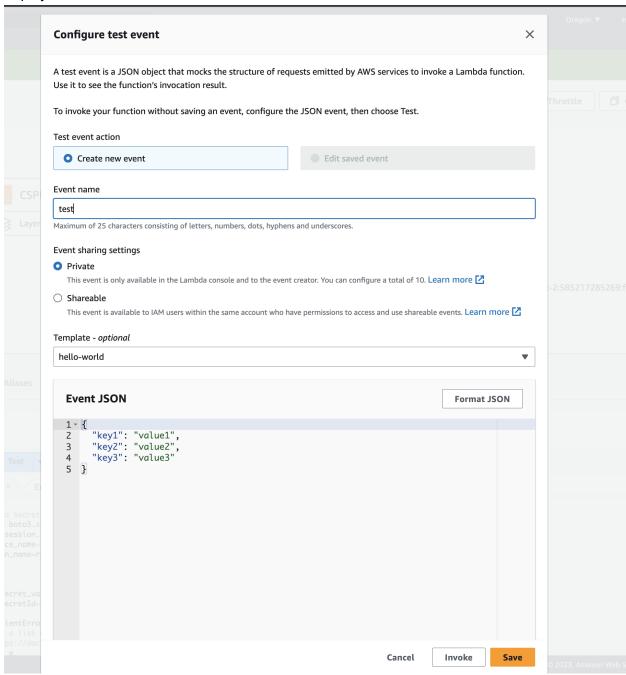
9. Attach policy to lambda execution role.

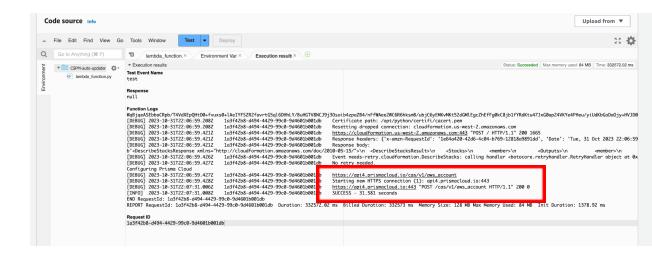


10. Edit default account group ID in code.



11. Deploy & Test with blank event, doesn't use event or context.





12. Schedule using trigger with eventbridge and new rule: cron(15 10 ? * 6L *)

Define rule detail Info

