

Cataloguing All The Things

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AWS User Group Meetup - 30 October 2019

Welcome to Latitude

Let's help you get to where you want to go.

[Personal Loans !\[\]\(c50c8b7b2cc2cf9ff925edec0ee94c0d_img.jpg\)](#)[New and Used Car Loans !\[\]\(6a9b39b98eb945faa14c645ec99e4eaa_img.jpg\)](#)[LatitudePay !\[\]\(9c2e8d1b5bd77cb5c9f83b7a9cff79fd_img.jpg\)](#)[Credit Cards !\[\]\(e3275251d0893157c3584e20c81dc3ba_img.jpg\)](#)[Insurance !\[\]\(f60b7a900783ac3fd531bfd9c111be6d_img.jpg\)](#)



#digital-transformation

#agile-transformation

#cloud-adoption-journey

#devops-journey #sre

#microservices #event-driven

#airflow #snowflake #kafka #ml

CLOUD NATIVE PLATFORM (CNP)

PURPOSE

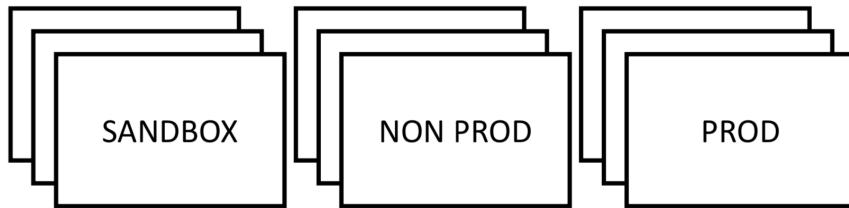
Support scale and speed

Empower development teams

**Establish market leading real-time security, resilience
and compliance**

CLOUD NATIVE PLATFORM (CNP)

KEY COMPONENTS



Tenancies (isolated environments)



Service Catalogue



Secure Pipeline (framework)

CNP SERVICE CATALOGUE: WHAT PROBLEM ARE WE SOLVING?

PROBLEMS WITH TEMPLATES (CFN)

Challenges with re-use..

Challenges with upgrading..

CNP SERVICE CATALOGUE: WHAT PROBLEM ARE WE SOLVING?

EVOLVING SOFTWARE / PRODUCTS NEED...

Versions

Clear interfaces

Backward compatibility

Testing

Mechanisms to encourage upgrades & avoid version drift

AWS SERVICE CATALOG 101

KEY CONCEPTS

Products

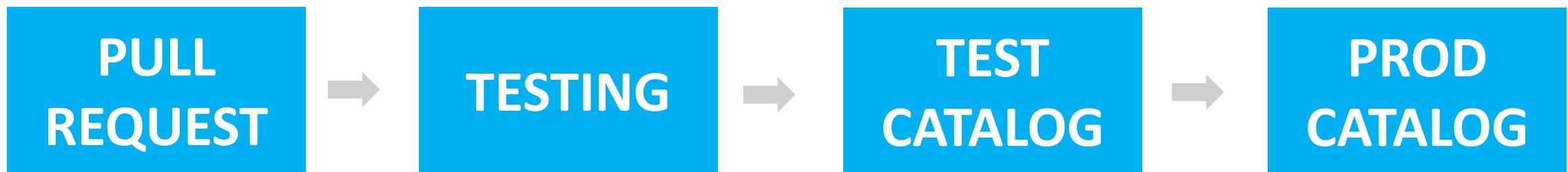
Portfolios

Provisioned Products

Constraints

CNP SERVICE CATALOGUE

ENGINEER (CONTRIBUTOR) WORKFLOW



Engineering culture.

View source. Collaborate. Contribute.

Shared ownership model.

Toolchain



 Buildkite

 python

 GitHub Enterprise

September 28, 2019 – October 28, 2019

Period: 1 month ▾

Overview



32 Active Pull Requests

0 Active Issues

30

Merged Pull Requests

2

Proposed Pull Requests

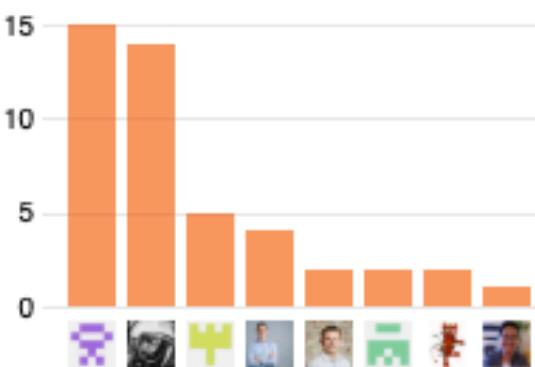
0

Closed Issues

0

New Issues

Excluding merges, 8 authors have pushed 25 commits to develop and 45 commits to all branches. On develop, 38 files have changed and there have been 3,078 additions and 277 deletions.



30 Pull requests merged by 6 people

CNP SERVICE CATALOGUE

ENGINEER (CONSUMER) WORKFLOW

Provision via:

- ***Console***
- ***API or CLI***
- ***CloudFormation***

Type: AWS::ServiceCatalog::CloudFormationProvisionedProduct

Properties:

ProductName: Virtual Private Cloud

ProvisioningArtifactName: '2.0.0'

ProvisioningParameters:

- Key: VPCName

Value: TestVPC

- Key: VPCSize

Value: small

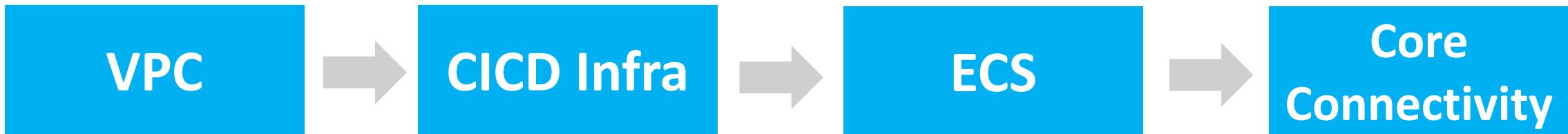
- Key: VPCEndpoints

Value: true

CNP SERVICE CATALOGUE

WHAT'S IN THE CATALOGUE?

(1) Common building blocks to run workload



(2) Opt-in account features



METRICS & PRODUCT DEVELOPMENT

STABILITY

- SLIs/SLOs
- # Incidents
- PIRs

VALUE

- # Total Products
- # Deployments
- # Updates
- Version drift
- Adoption vs out-of-box

[Weekly Metrics Report](#)



sumo logic

GOTCHAS

Local portfolios vs Imported Portfolios

Service isn't free

Updating products - testing strongly recommended