



CI/CD pipeline on AWS for Python

12th of November 2020

Introduction

AWS Code services



- Check-in source code such as .py files
- Peer review new code

- Check against coding style (PEP8), programming errors
- Check cyclomatic complexity
- Unit tests
- Create Docker images and AWS Lambda deployment packages

- Integration tests
- Load testing
- UI tests
- Security testing

- Deployment to production environments
- Monitor code in production

AWS Code services



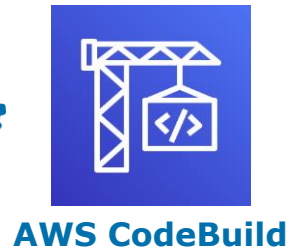
- Check-in source code such as .py files
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- Unit tests
- Create Docker images and AWS Lambda deployment packages
- ~~Compile code~~

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AWS Code services



AWS Code services



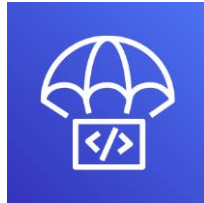
AWS CodeCommit



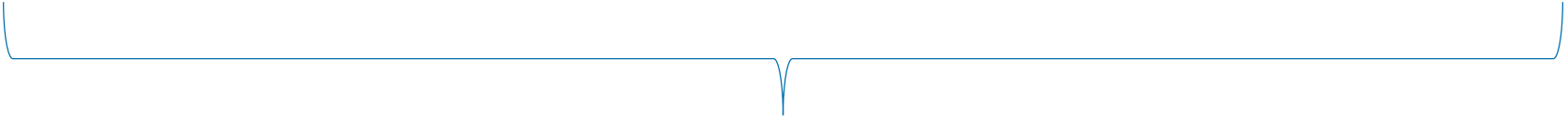
AWS CodeBuild



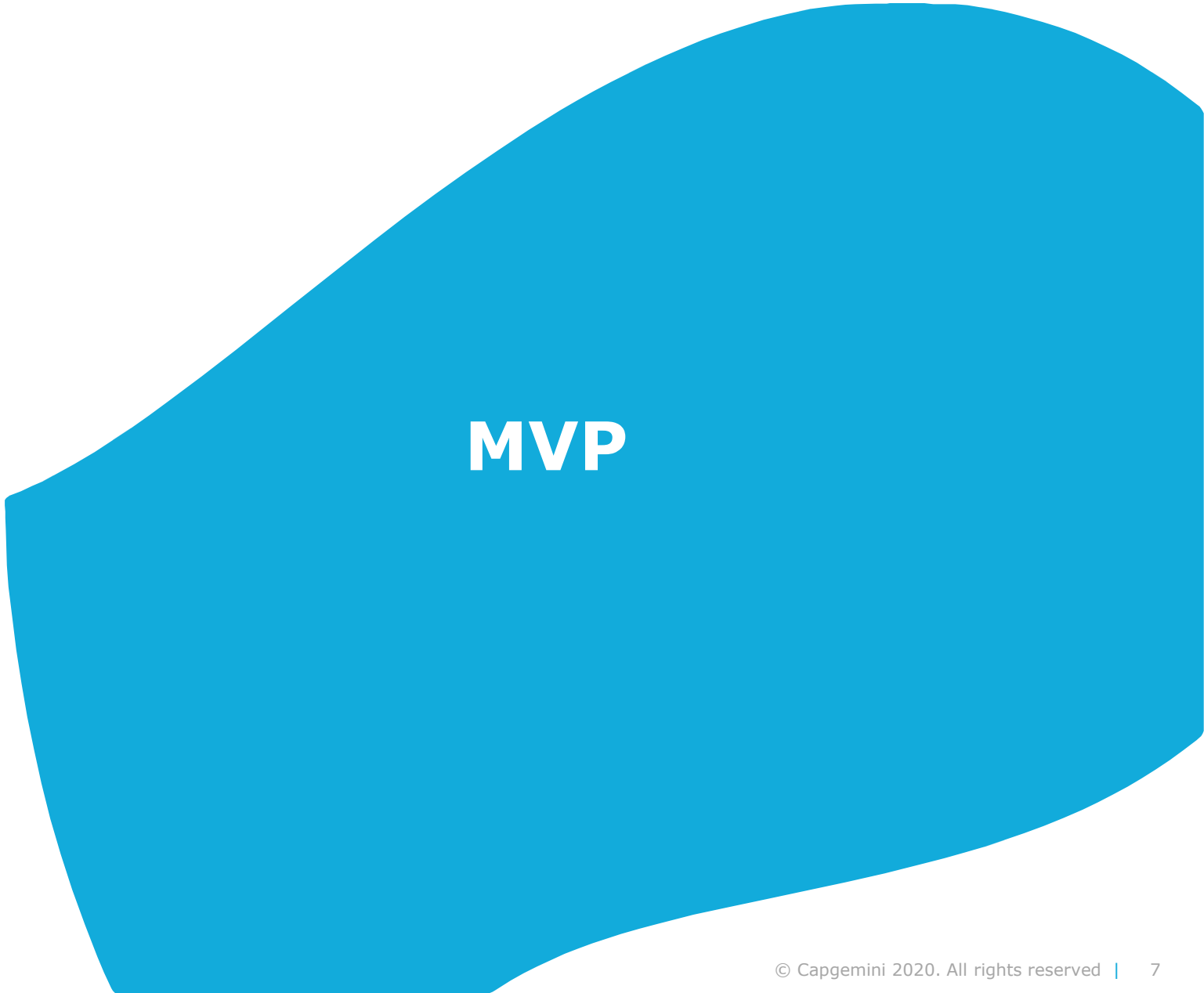
AWS CodeBuild
+
third-party



AWS CodeDeploy



AWS CodePipeline



MVP

AWS Code services. MVP



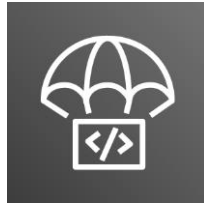
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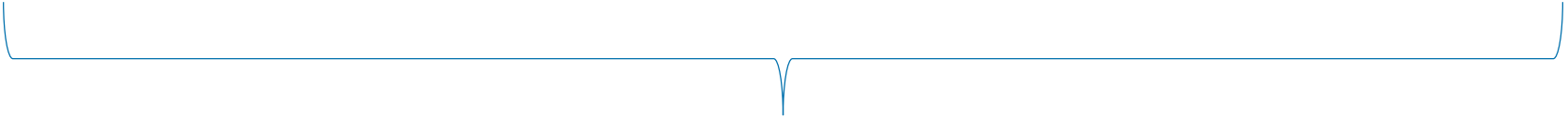
AWS CodeBuild



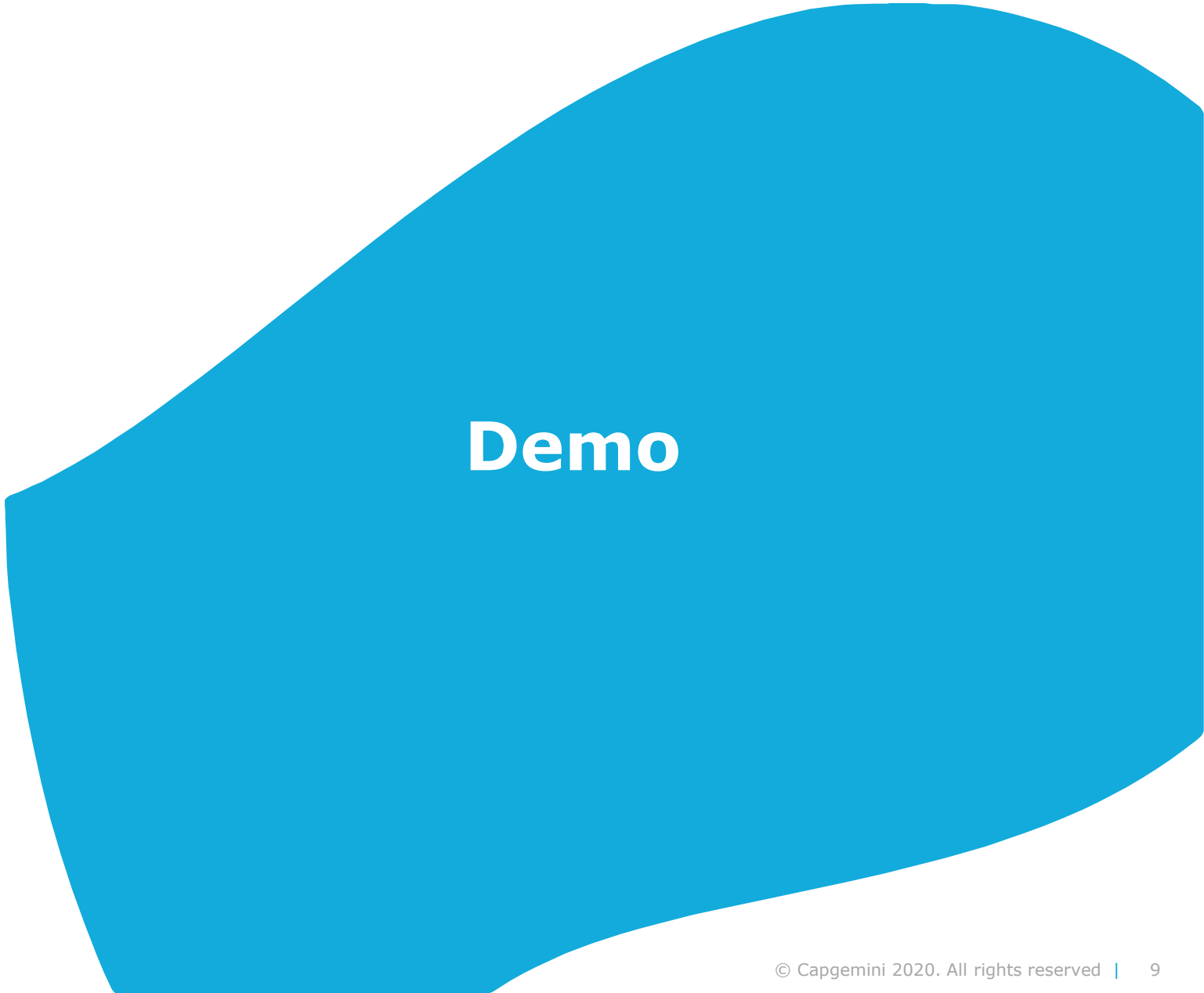
AWS CodeBuild
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AWS CodeDeploy



AWS CodePipeline



Demo

korniichuk / ci-cd-pipeline-on-aws-for-python

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master 1 branch 0 tags

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Add file

Code

Ruslan Korniichuk	Add init code for new AWS CodeCommit repo	ca24aa1 on Aug 27	5 commits
ext/ci_cd_pipeline_init_code_20200827	Add init code for new AWS CodeCommit repo	3 months ago	
img	Initial commit	3 months ago	
LICENSE	Initial commit	3 months ago	
README.md	Update README.md	3 months ago	
ci_cd_pipeline.yaml	Initial commit	3 months ago	

README.md

ci-cd-pipeline-on-aws-for-python

Name: ci-cd-pipeline-on-aws-for-python

Description: AWS CloudFormation template for CI/CD pipeline on AWS for Python

GitHub: <https://github.com/korniichuk/ci-cd-pipeline-on-aws-for-python>

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- Validate created pipeline

About

AWS CloudFormation template for CI/CD pipeline on AWS for Python

www.korniichuk.com

aws cloudformation
aws-cloudformation cfn ci-cd cicd
pipeline pipelines pipeline-as-code
pipelines-as-code codecommit
codebuild aws-codepipeline
codepipeline python python3
python-3 yaml yml

Readme

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Languages

Python 100.0%



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Ruslan Korniiichuk

Information Technology Architect

Capgemini Poland

ruslan.korniichuk@capgemini.com

+48 791 065 877