Zero To Cloud Native on IBM Cloud

Introduction

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Cloud Platform Engineer
IBM Cloud MEA
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Zero To Cloud Native on IBM Cloud Sessions

Zero to Cloud Native Sessions

Part 1 - Introduction and Overview
Part 2 - Microservices Architecture and Design
Part 3 - Network and Security Configuration
Part 4 - RedHat OpenShift on IBM Cloud Setup and Configuration
Part 5 - IBM Cloud Databases and Messaging
Part 6 - Setting up a Cloud-Native Development Environment
Part 7 - Preparing to Deploy
Part 8 - Cloning and Importing the Code Base
Part 9 - Deploying the Application
Part 9A - Deploying with a 'Classic' Pipeline
Part 9B - Deploying with a Tekton Pipeline
Part 9C - Finishing Deploying and Testing the Application

Coming soon - Day 2 Operations

- Logging
- Monitoring
- Automating with Terraform
- Deploying to a remote location with IBM Cloud Satellite
- Managing code with Code Ready Workspace

Zero To Cloud Native on IBM Cloud

Git Hub Repository

Repository containing tutorial documentation and code to deploy the tutorial application

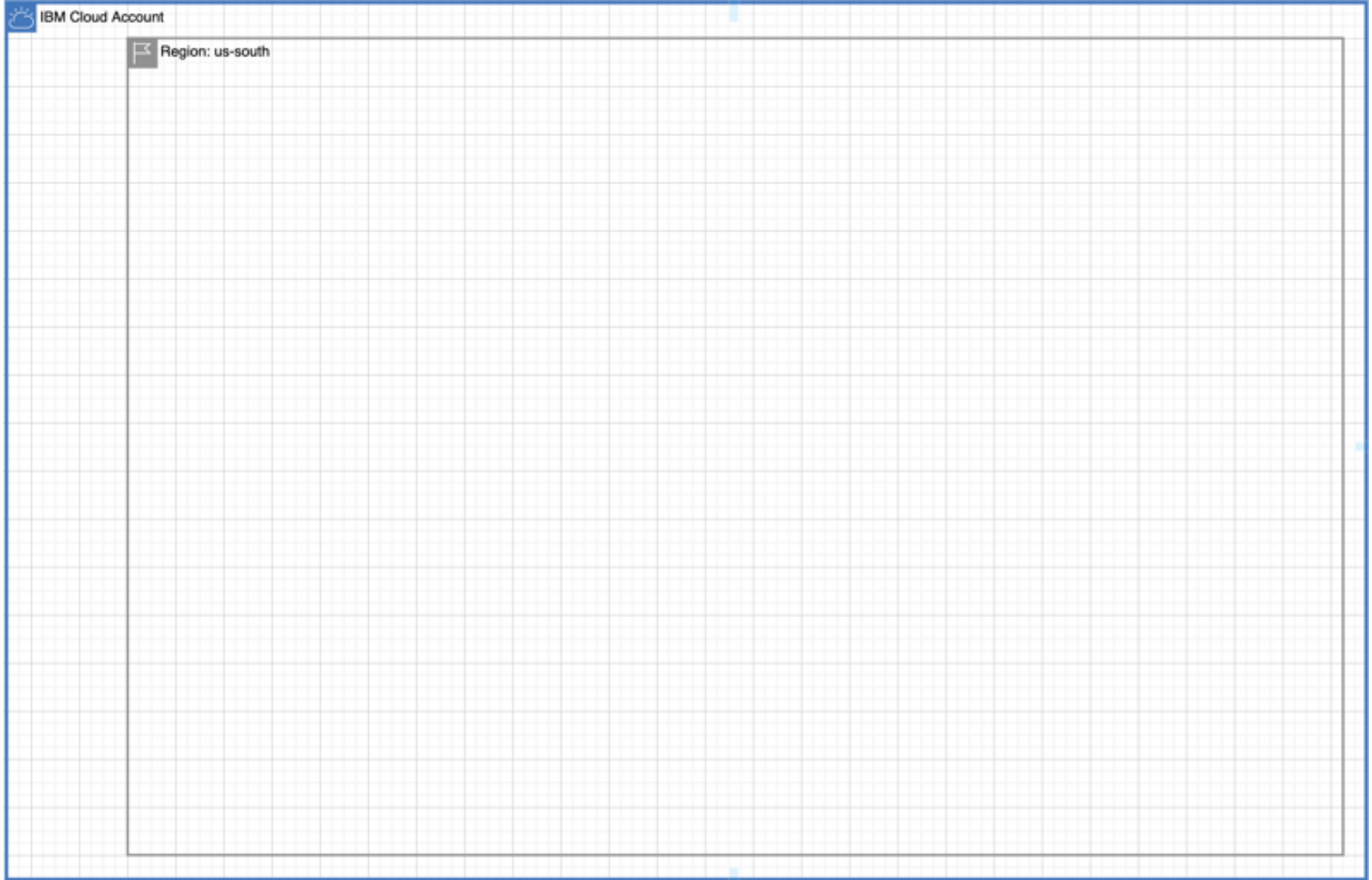
YouTube Channel

YouTube Channel containing videos stepping through the tutorials

http://www.zero-to-cloud-native.com

Tutorial landing page with links to the YouTube Channel and GitHub Repository. Also contains link to the live tutorial application to test it out.


IBM Cloud Account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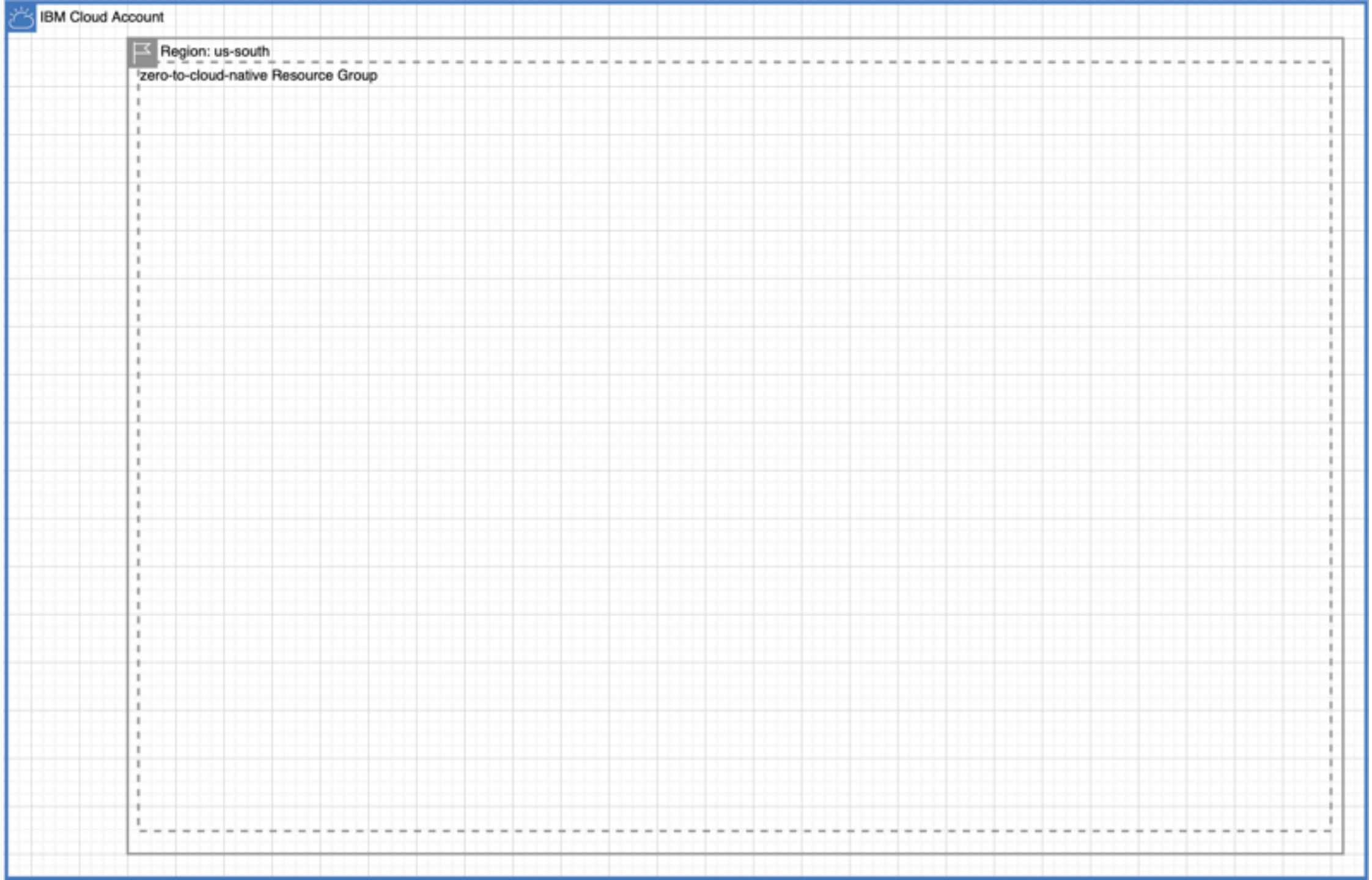
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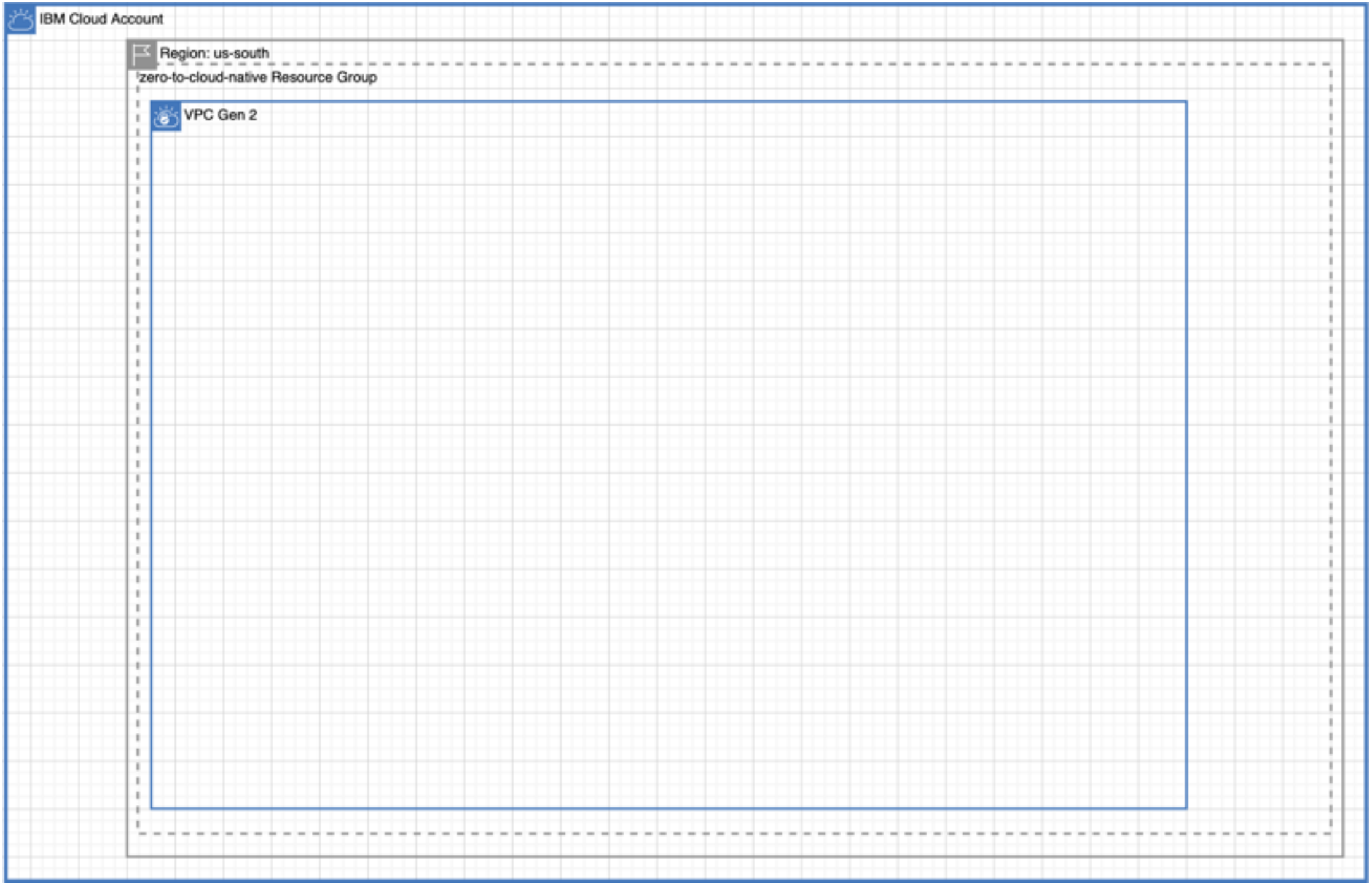
zero-to-cloud-native Resource Group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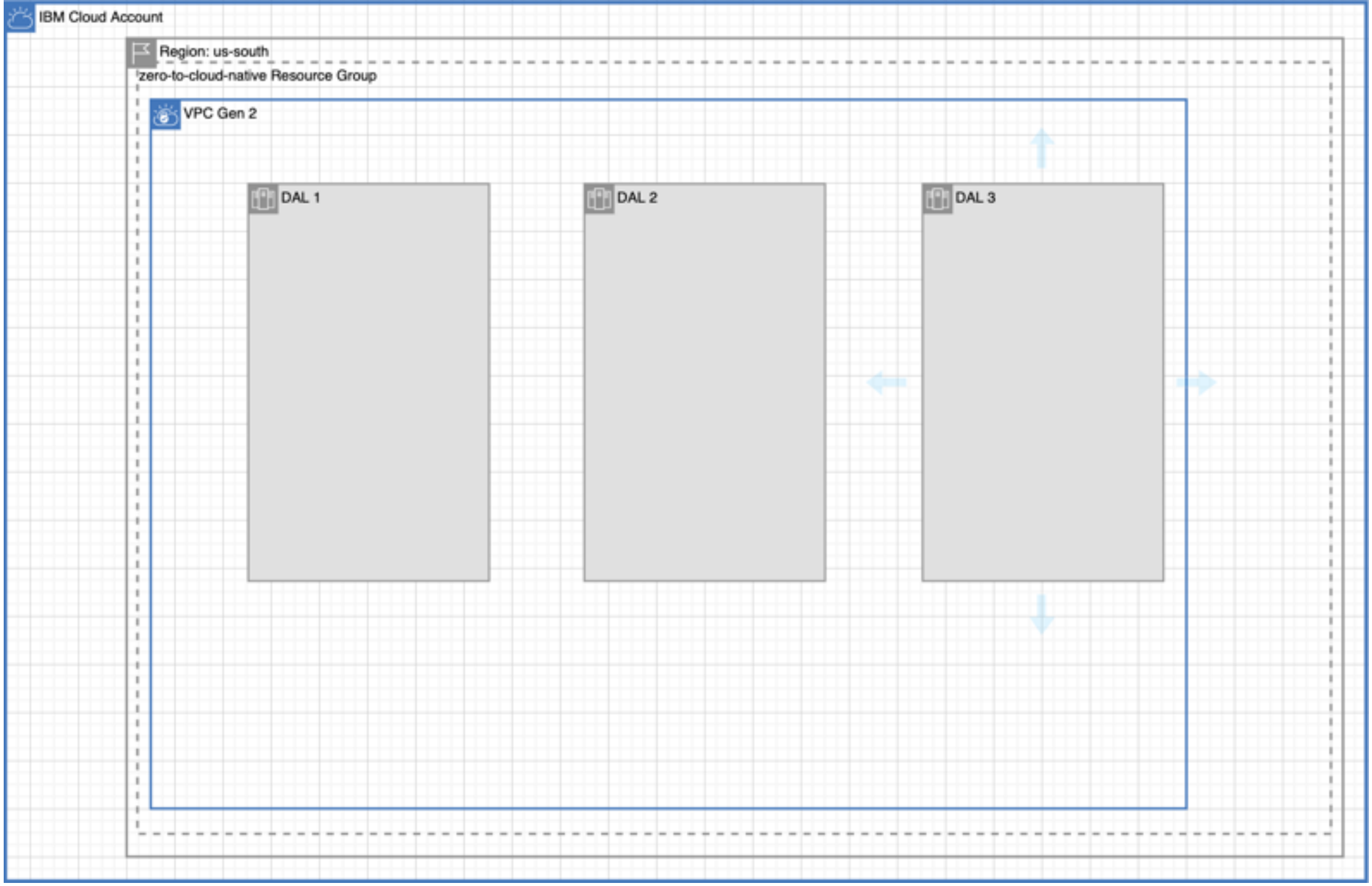
VPC Gen 2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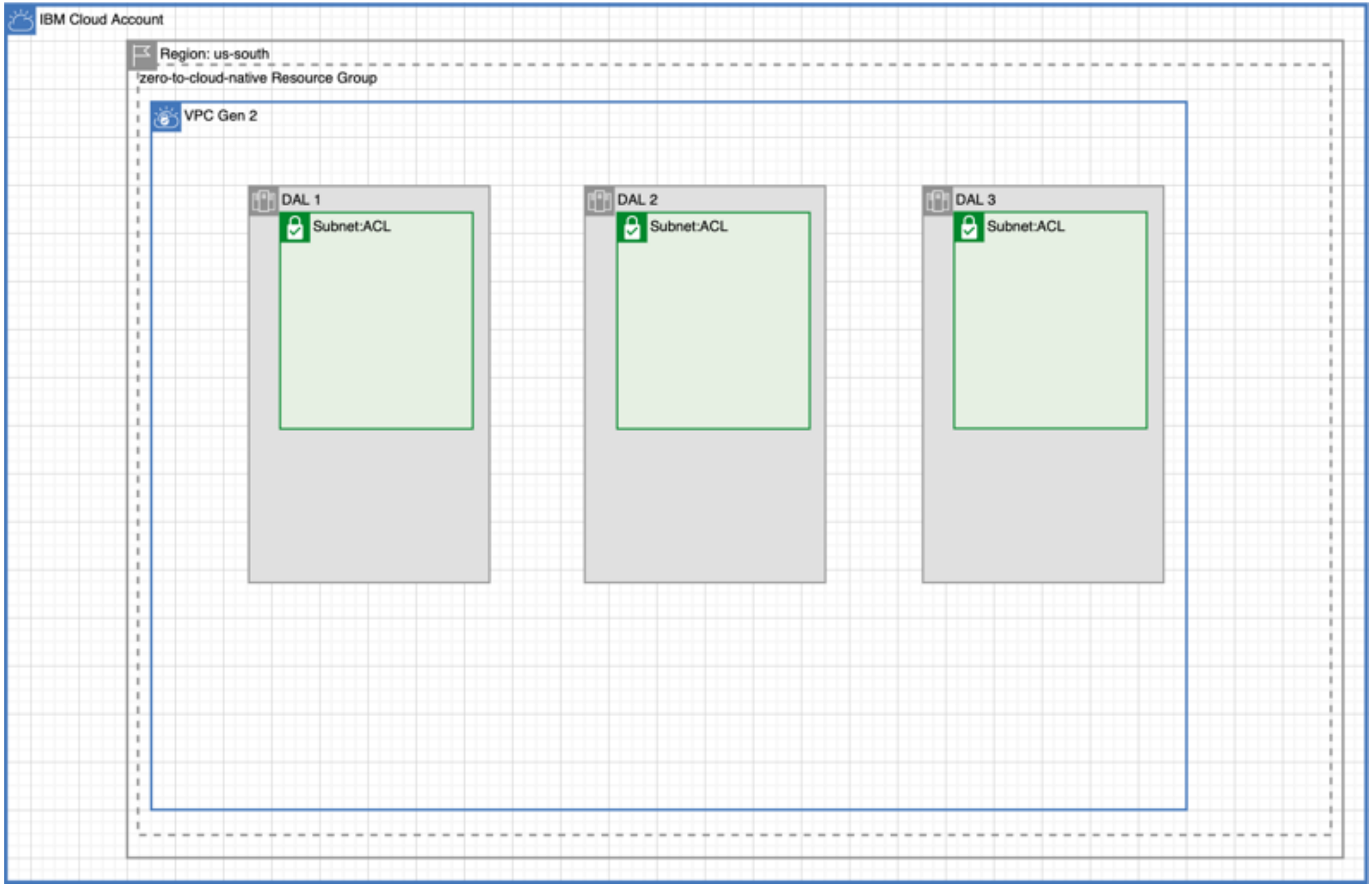
VPC Gen 2
DAL 1
DAL 2
DAL 3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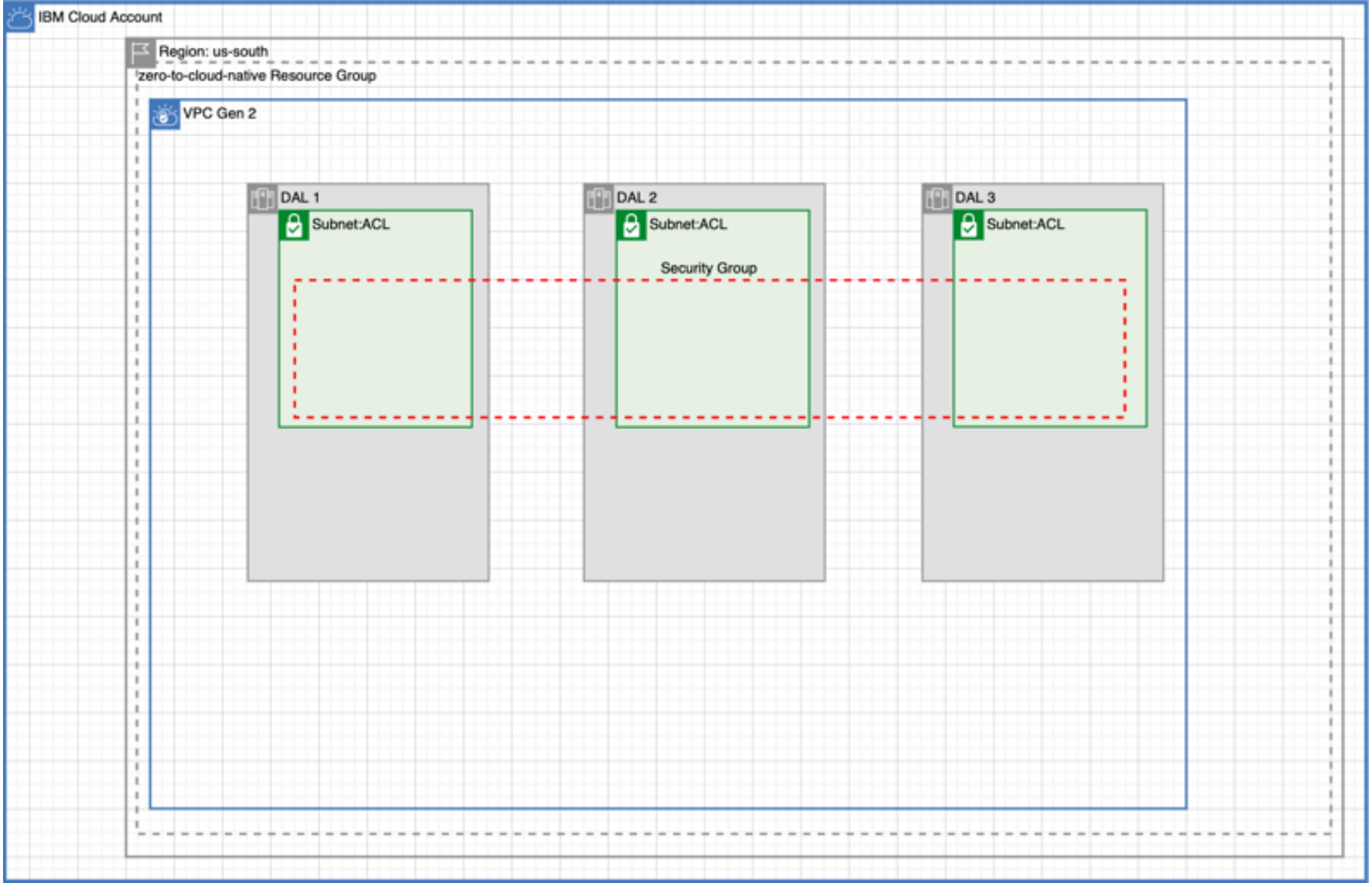
VPC Gen 2
DAL 1
Subnet:ACL
DAL 2
Subnet:ACL
DAL 3
Subnet:ACL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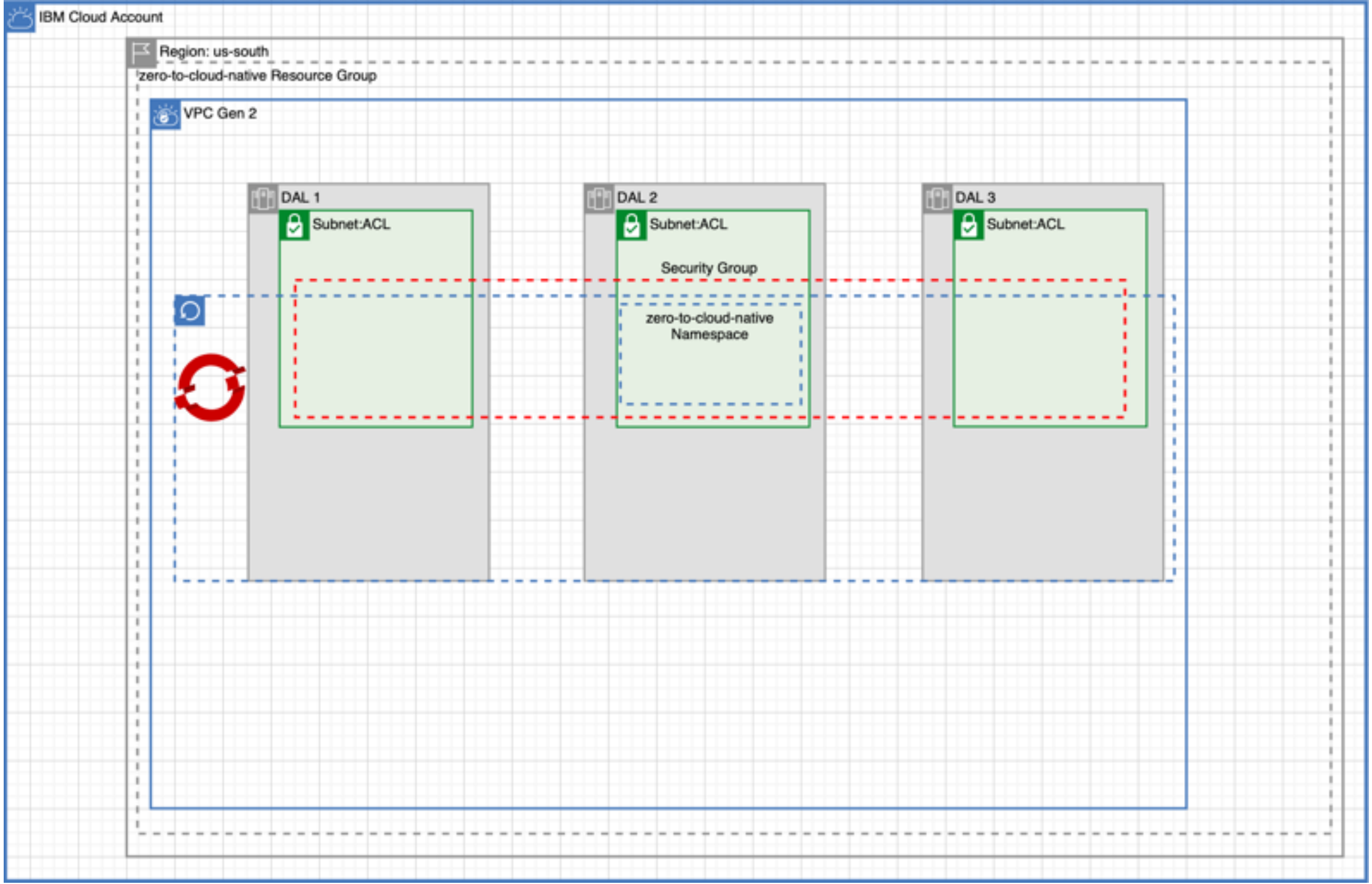
VPC Gen 2
DAL 1
Subnet:ACL
DAL 2
Subnet:ACL
Security Group
DAL 3
Subnet:ACL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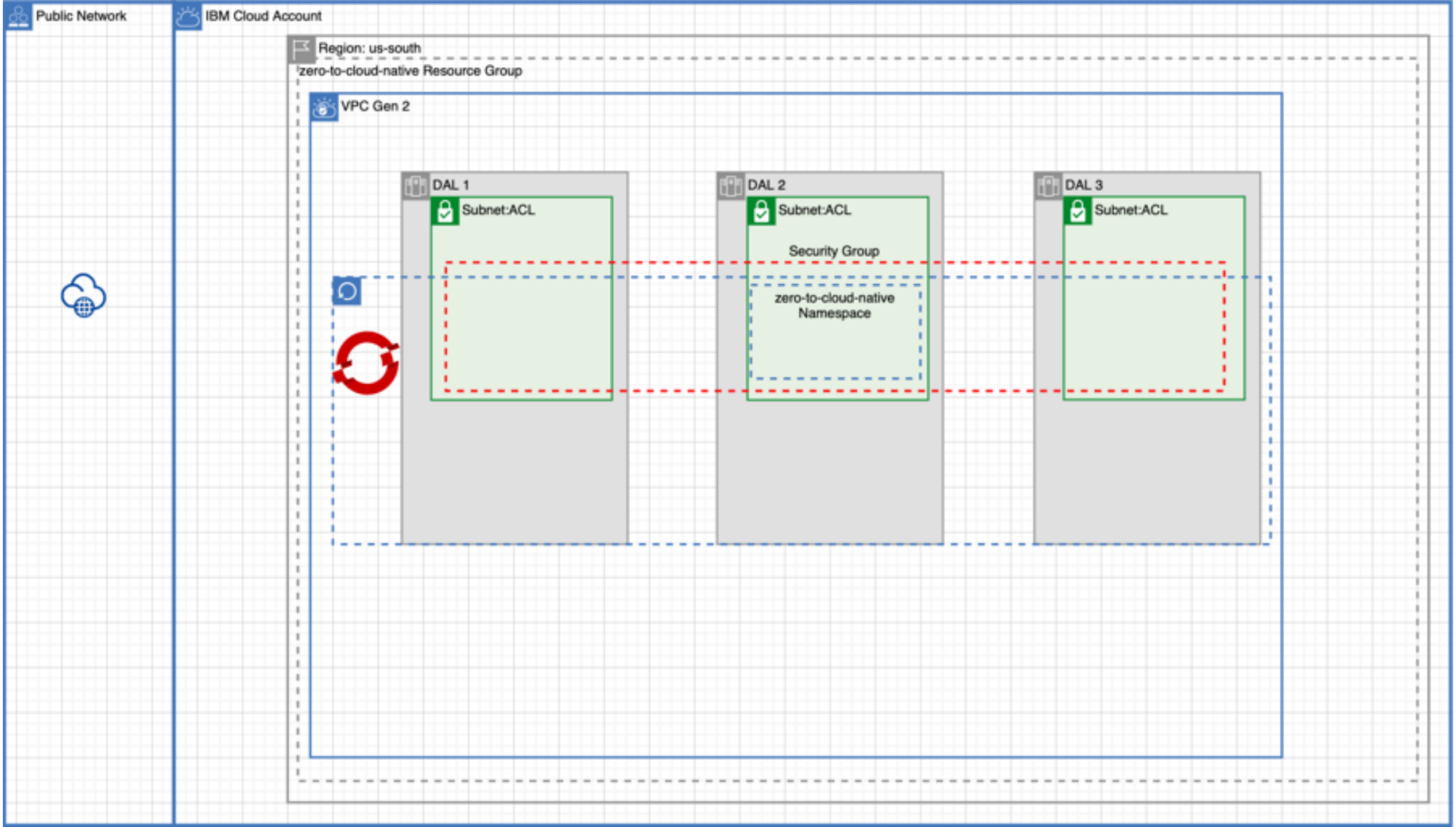
VPC Gen 2
DAL 1
Subnet:ACL
DAL 2
Subnet:ACL
Security Group
zero-to-cloud-native
Namespace
DAL 3
Subnet:ACL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Region: us-south
zero-to-cloud-native Resource Group
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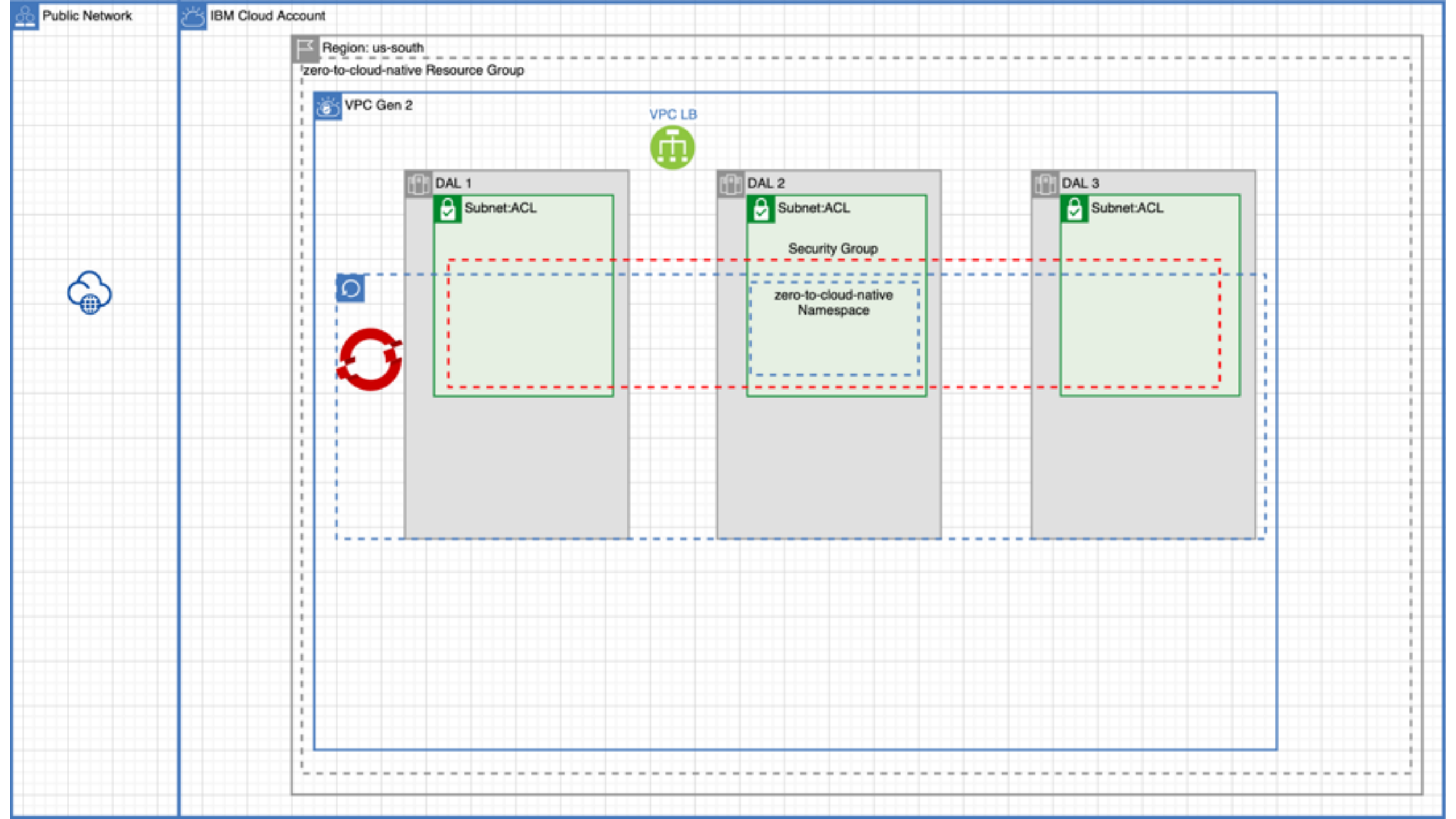
Subnet:ACL
DAL 2
Subnet:ACL
Security Group
zero-to-cloud-native
Namespace
DAL 3
Subnet:ACL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IBM Cloud Account
Region: us-south
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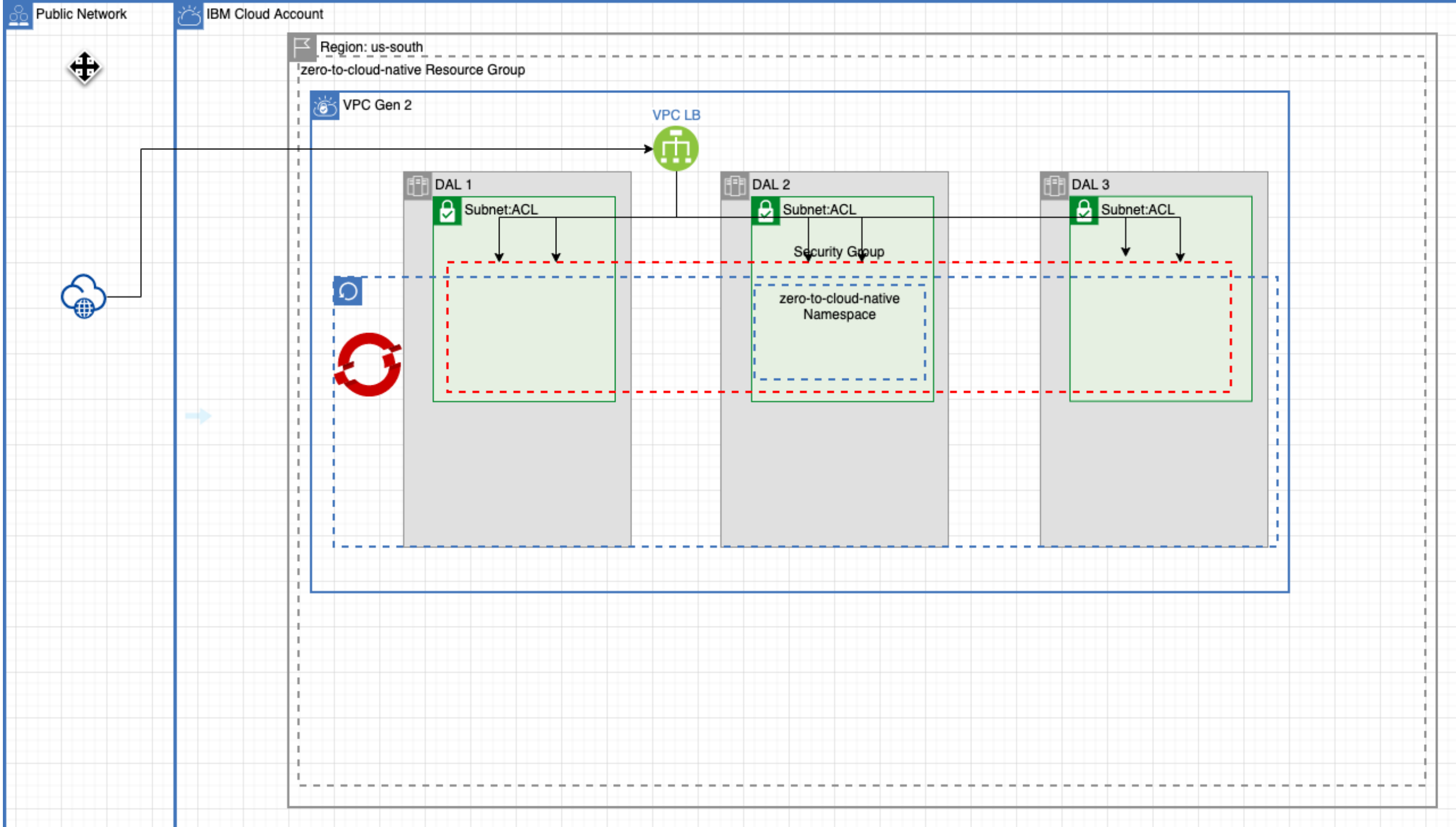
VPC Gen 2
VPC LB
DAL 1
Subnet:ACL
DAL 2
Subnet:ACL
Security Group
zero-to-cloud-native
Namespace
DAL 3
Subnet:ACL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DAL 3
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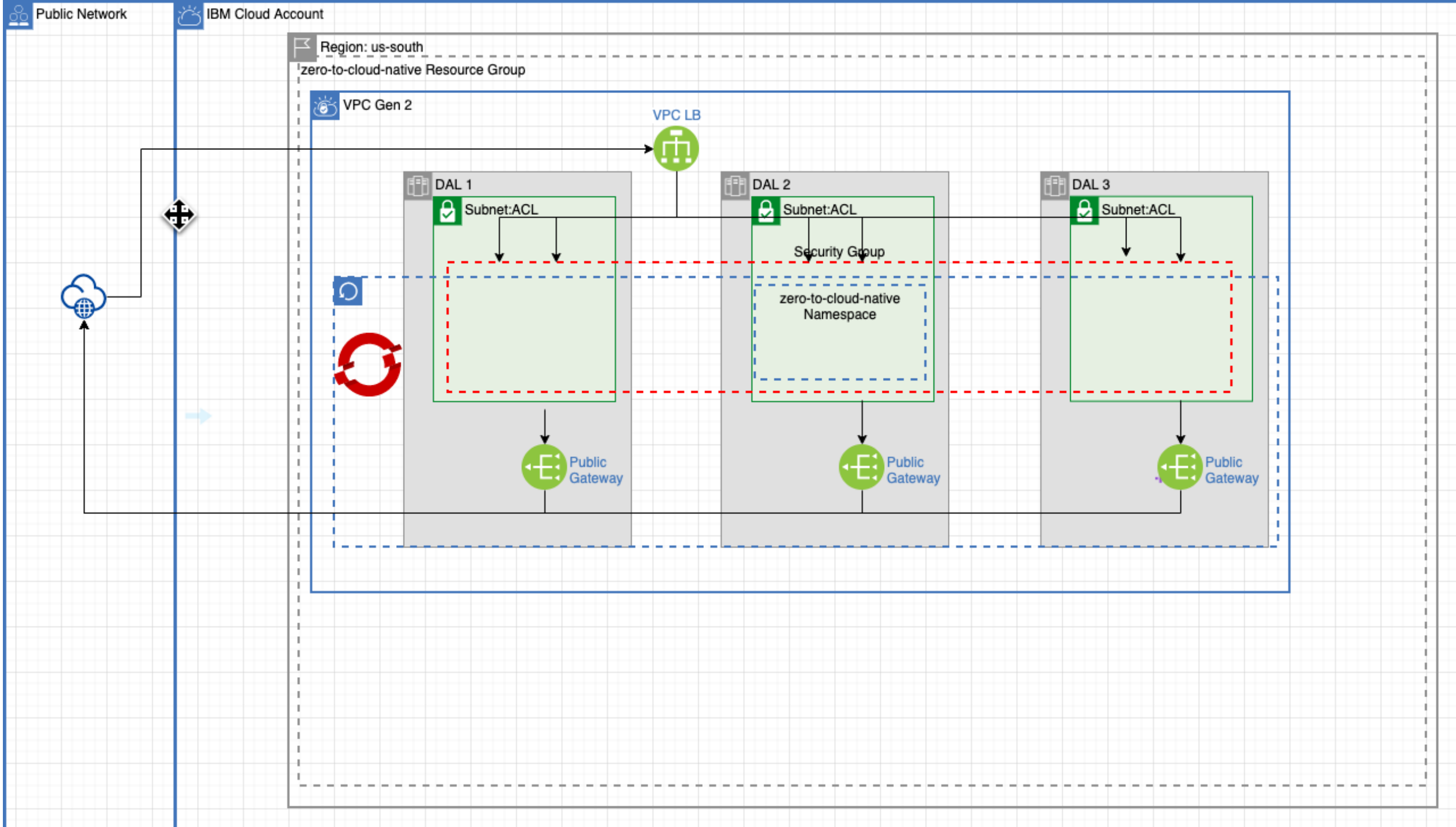
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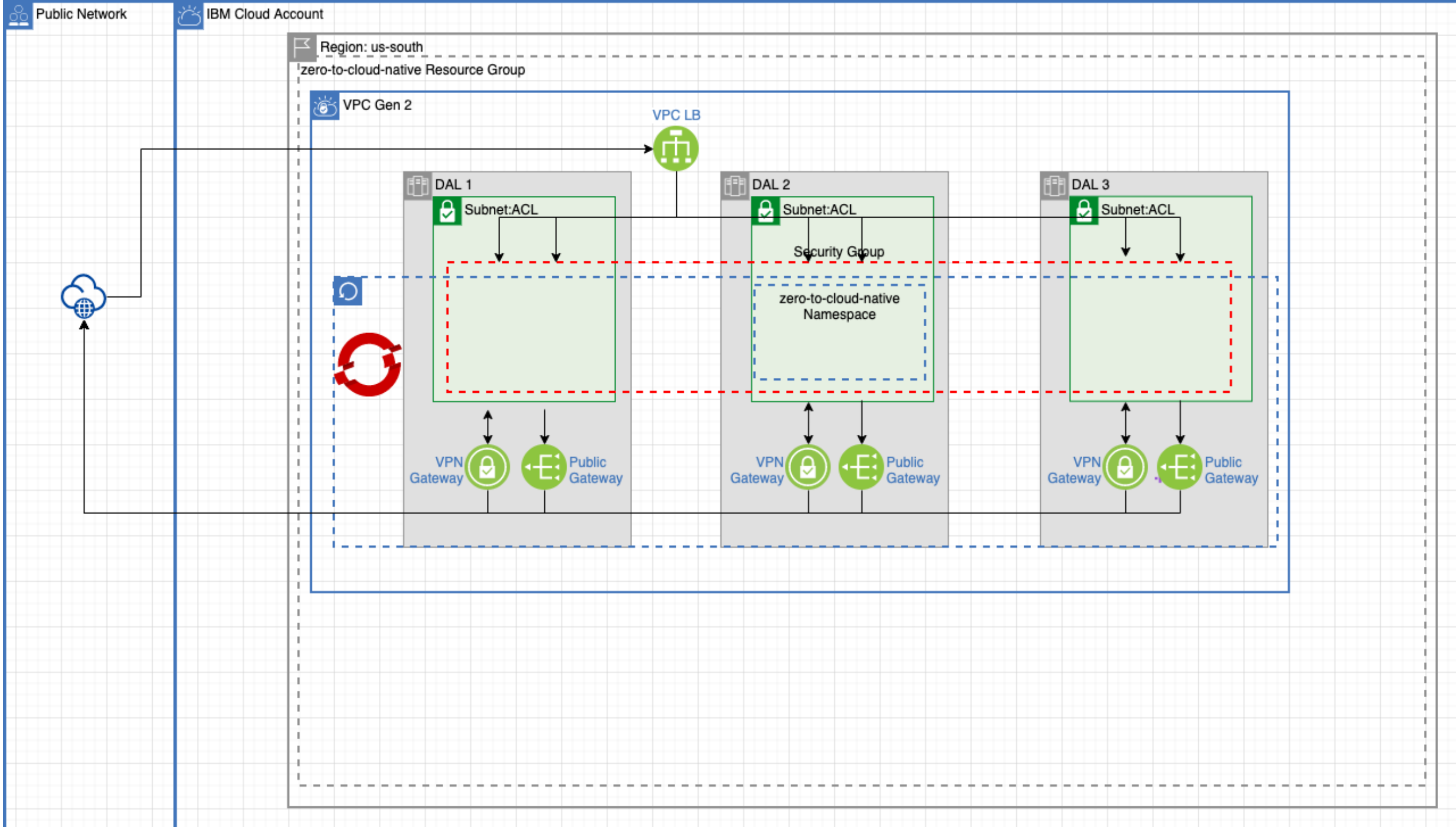
Security Group
DAL 3
Subnet:ACL
zero-to-cloud-native
Namespace
Public
Gateway
Public
Gateway
Public
Gateway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DAL 3
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VPN
Gateway
Public
Gateway
VPN
Gateway
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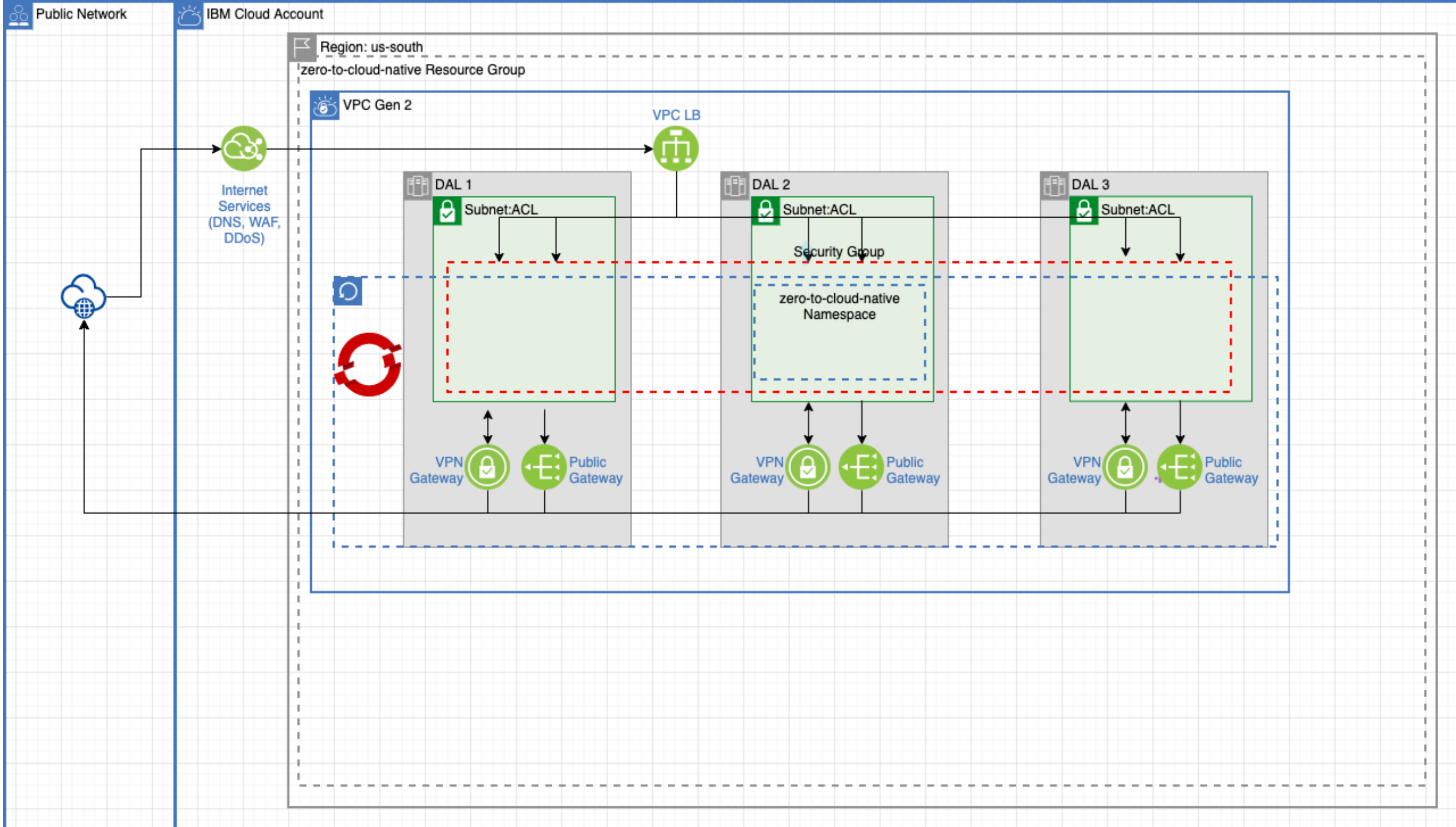
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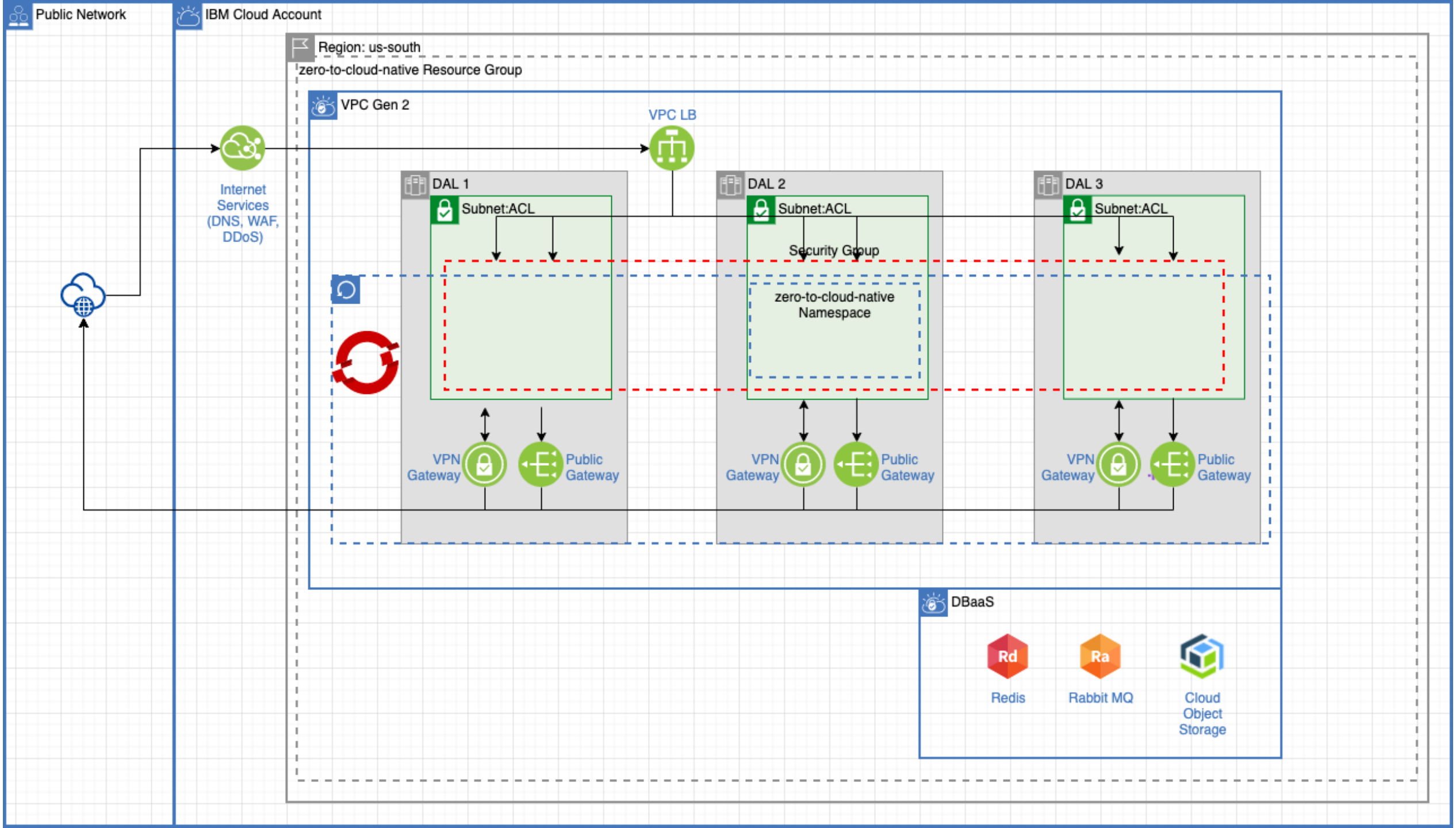
VPC Gen 2
VPC LB
Internet Services (DNS, WAF, DDoS)
DAL 1
DAL 2
DAL 3
Subnet:ACL
Subnet:ACL
Subnet:ACL
Security Group
zero-to-cloud-native Namespace
VPN Gateway
Public Gateway
VPN Gateway
Public Gateway
VPN Gateway
Public Gateway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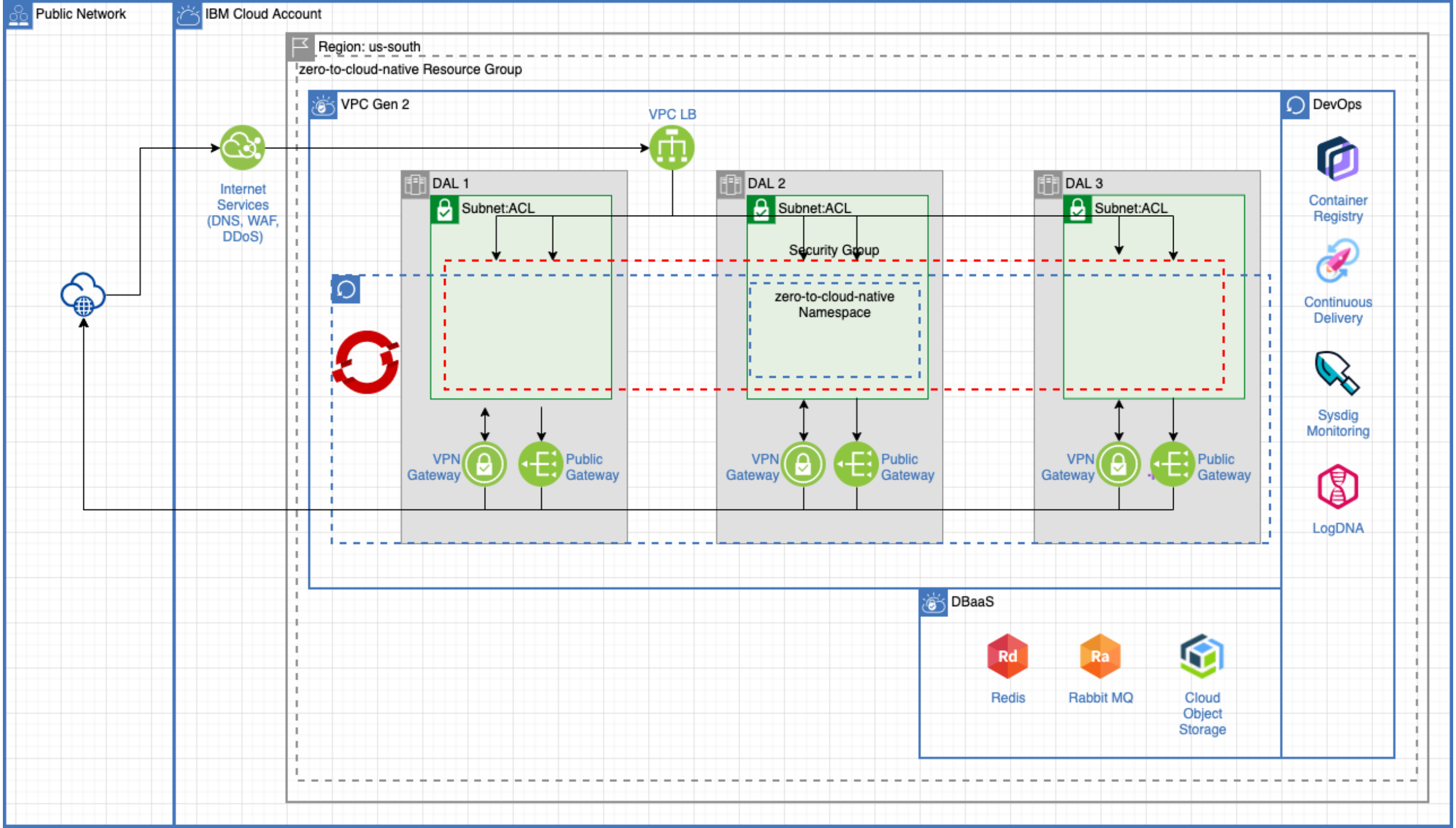
Public Gateway
VPN Gateway
Public Gateway
DBaaS
Redis
Rabbit MQ
Cloud Object Storage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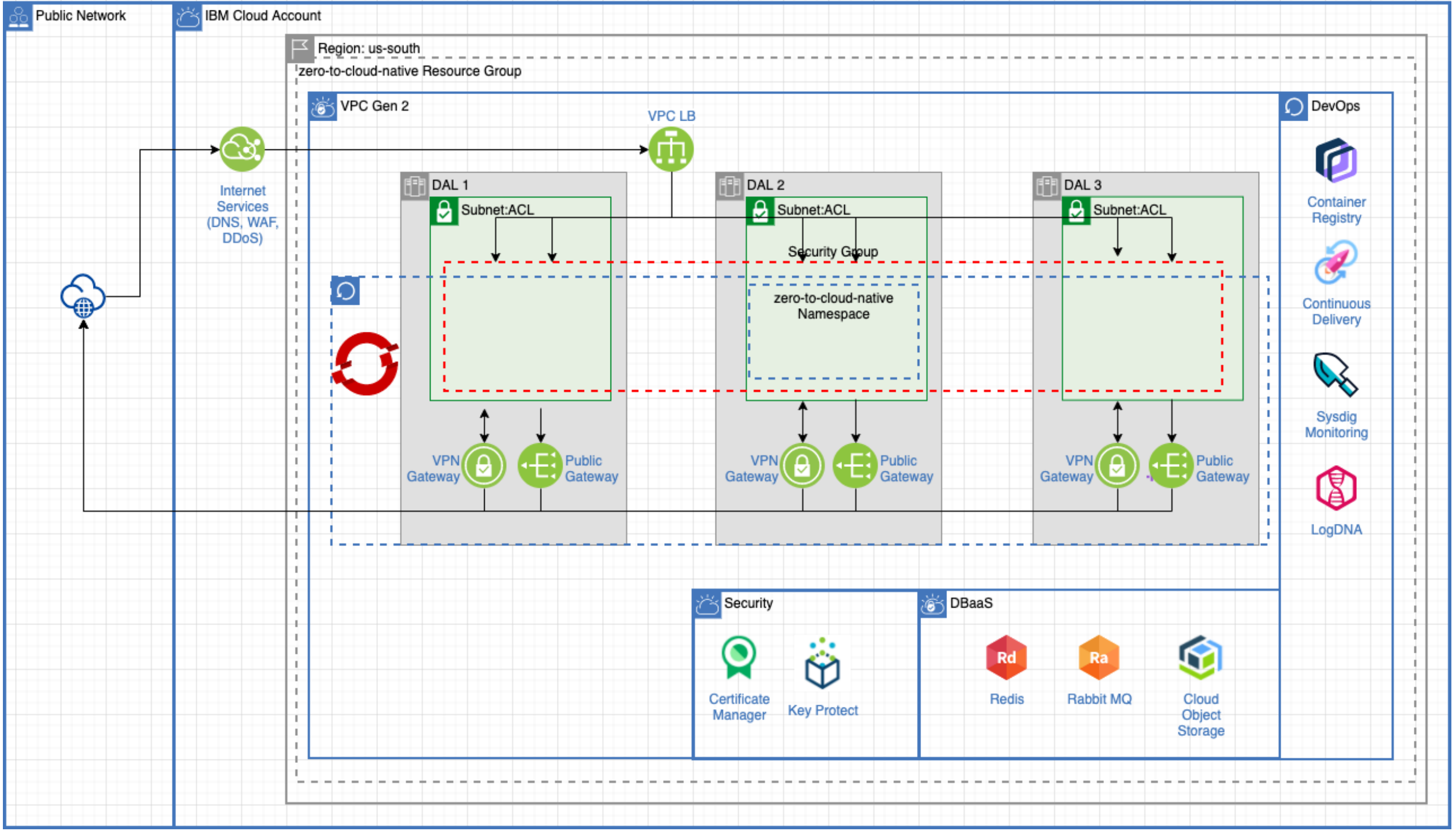
VPN Gateway
Public Gateway
VPN Gateway
Public Gateway
DevOps
Container Registry
Continuous Delivery
Sysdig Monitoring
LogDNA
DBaaS
Rd
Redis
Ra
Rabbit MQ
Cloud Object Storage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Public Gateway
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Container Registry
Continuous Delivery
Sysdig Monitoring
LogDNA
Security
Certificate Manager
Key Protect
DBaaS
Rd
Redis
Ra
Rabbit MQ
Cloud Object Storage

CloudPak Provisioner

https://github.com/kmcolli/cloudpak-provisioner

Cloud Pak Provisioner is a collection of APIs that make it easy to perform common tasks for managing and configuration IBM Cloud Managed OpenShift (ROKS) clusters. Many of the APIs are focused on Cloud Pak but can be extended to any deployment on ROKS.

There are seven categories of APIs:

- Cloud Object Storage
- CloudPak for Data
- VPC Infrastructure
- General Utility
- Classic Infrastructure
- Portworx
- OpenShift