CDAP AWS hosting environment

## AWS account design

A picture containing text, screenshot, font, number

Description automatically generated

## AWS Account functions

|  |  |  |
| --- | --- | --- |
| AWS Account Identifier | Name | Intended use |
| ERP-L | Login | IAM, Transit Gateway, Client VPN |
| ERP-A | Audit | Audit logging, Cloudtrail, All Logs, security hub |
| ERP-B | Backup | Secure 2nd copy of backups - no user admin roles or deletion of any data |
| ERP-C | CI / CD | Code pipelines, build tools and artifact repositories |
| ERP-1 | Development | Development Deployment Environment |
| ERP-2 | Test | Test/QA Deployment Environment |
| ERP-3 | Production | Production Deployment Environment |

## CDAP Protected Network Design

A screenshot of a computer

Description automatically generated with medium confidence

## **TG Routing/NACL Requirements:**

ERP-L Client VPN Private Subnets → ERP-1/2/3/C VPC

ERP-C Private Subnets→ ERP-1/2/3 VPCs

Subnet Allocation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Public Networks** |  |  |  |  |
| **Account** | **VPC Range** | **Public Subnet 2-a** | **Public Subnet 2-b** | **Public Subnet 2-c** |
| ERP-L | 10.x.x.x/18 | 10.x.x.x/22 | 10.x.x.x/22 | 10. x.x.x /22 |
| ERP-1 | 10.x.x.x/18 | 10.x.x.x/22 | 10.x.x.x/22 | 10.x.x.x /22 |
| ERP-2 | 10.x.x.x /18 | 10.x.x.x /22 | 10.x.x.x /22 | 10.x.x.x /22 |
| ERP-3 | 10.x.x.x/18 | 10.x.x.x /22 | 10.x.x.x /22 | 10.x.x.x /22 |
| ERP-A | 10.y.y.y/18 | 10.y.y.y/22 | 10.y.y.y/22 | 10.y.y.y/22 |
| ERP-B | 10.y.y.y/18 | 10.y.y.y/22 | 10.y.y.y/22 | 10.y.y.y/22 |
| ERP-C | 10.y.y.y/18 | 10.y.y.y/22 | 10.y.y.y/22 | 10.y.y.y/22 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Private Networks** |  |  |  |  |
| **Account** | **VPC Range** | **Private Subnet 2-a** | **Private Subnet 2-b** | **Private Subnet 2-c** |
| ERP-L | 10.x.x.x/18 | 10.x.x.x/22 | 10.x.x.x/22 | 10. x.x.x /22 |
| ERP-1 | 10.x.x.x/18 | 10.x.x.x/22 | 10.x.x.x/22 | 10.x.x.x /22 |
| ERP-2 | 10.x.x.x/18 | 10.x.x.x /22 | 10.x.x.x /22 | 10.x.x.x /22 |
| ERP-3 | 10.x.x.x/18 | 10.x.x.x /22 | 10.x.x.x /22 | 10.x.x.x /22 |
| ERP-A | 10.y.y.y/18 | 10.y.y.y/22 | 10.y.y.y/22 | 10.y.y.y/22 |
| ERP-B | 10.y.y.y/18 | 10.y.y.y/22 | 10.y.y.y/22 | 10.y.y.y/22 |
| ERP-C | 10.y.y.y/18 | 10.y.y.y/22 | 10.y.y.y/22 | 10.y.y.y/22 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Private Database Networks** | |  |  |  |
| **Account** | **VPC Range** | **Private DB Subnet 2-a** | **Private DB Subnet 2-b** | **Private DB Subnet 2-c** |
| ERP-L | 10.x.x.x/18 | 10.x.x.x/22 | 10.x.x.x/22 | 10. x.x.x /22 |
| ERP-1 | 10.x.x.x/18 | 10.x.x.x/22 | 10.x.x.x/22 | 10.x.x.x /22 |
| ERP-2 | 10.x.x.x/18 | 10.x.x.x /22 | 10.x.x.x /22 | 10.x.x.x /22 |
| ERP-3 | 10.x.x.x/18 | 10.x.x.x /22 | 10.x.x.x /22 | 10.x.x.x /22 |
| ERP-A | 10.y.y.y/18 | 10.y.y.y/22 | 10.y.y.y/22 | 10.y.y.y/22 |
| ERP-B | 10.y.y.y/18 | 10.y.y.y/22 | 10.y.y.y/22 | 10.y.y.y/22 |
| ERP-C | 10.y.y.y/18 | 10.y.y.y/22 | 10.y.y.y/22 | 10.y.y.y/22 |