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

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| --- | --- | --- | --- | --- |
| **Public Networks** |  |  |  |  |
| **Account** | **VPC Range** | **Public Subnet 2-a** | **Public Subnet 2-b** | **Public Subnet 2-c** |
| ERP-L | 10.x.0.0/18 | 10.x.0.0/22 | 10.x.4.0/22 | 10.x.8.0/22 |
| ERP-1 | 10.x.64.0/18 | 10.x.64.0/22 | 10.x.68.0/22 | 10.x.72.0/22 |
| ERP-2 | 10.x.128.0/18 | 10.x.128.0/22 | 10.x.132.0/22 | 10.x.136.0/22 |
| ERP-3 | 10.x.192.0/18 | 10.x.192.0/22 | 10.x.196.0/22 | 10.x.200.0/22 |
| ERP-A | 10.y.0.0/18 | 10.y.0.0/22 | 10.y.4.0/22 | 10.y.8.0/22 |
| ERP-B | 10.y.64.0/18 | 10.y.64.0/22 | 10.y.68.0/22 | 10.y.72.0/22 |
| ERP-C | 10.y.128.0/18 | 10.y.128.0/22 | 10.y.132.0/22 | 10.y.136.0/22 |

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| **Private Networks** |  |  |  |  |
| **Account** | **VPC Range** | **Private Subnet 2-a** | **Private Subnet 2-b** | **Private Subnet 2-c** |
| ERP-L | 10.x.0.0/18 | 10.x.12.0/22 | 10.x.16.0/22 | 10.x.20.0/22 |
| ERP-1 | 10.x.64.0/18 | 10.x.76.0/22 | 10.x.80.0/22 | 10.x.84.0/22 |
| ERP-2 | 10.x.128.0/18 | 10.x.140.0/22 | 10.x.144.0/22 | 10.x.148.0/22 |
| ERP-3 | 10.x.192.0/18 | 10.x.204.0/22 | 10.x.208.0/22 | 10.x.212.0/22 |
| ERP-A | 10.y.0.0/18 | 10.y.12.0/22 | 10.y.16.0/22 | 10.y.20.0/22 |
| ERP-B | 10.y.64.0/18 | 10.y.76.0/22 | 10.y.80.0/22 | 10.y.84.0/22 |
| ERP-C | 10.y.128.0/18 | 10.y.140.0/22 | 10.y.144.0/22 | 10.y.148.0/22 |

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| **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.0.0/18 | 10.x.24.0/22 | 10.x.28.0/22 | 10.x.32.0/22 |
| ERP-1 | 10.x.64.0/18 | 10.x.88.0/22 | 10.x.92.0/22 | 10.x.96.0/22 |
| ERP-2 | 10.x.128.0/18 | 10.x.152.0/22 | 10.x.156.0/22 | 10.x.160.0/22 |
| ERP-3 | 10.x.192.0/18 | 10.x.216.0/22 | 10.x.220.0/22 | 10.x.224.0/22 |
| ERP-A | 10.y.0.0/18 | 10.y.24.0/22 | 10.y.28.0/22 | 10.y.32.0/22 |
| ERP-B | 10.y.64.0/18 | 10.y.88.0/22 | 10.y.92.0/22 | 10.y.96.0/22 |
| ERP-C | 10.y.128.0/18 | 10.y.152.0/22 | 10.y.156.0/22 | 10.y.160.0/22 |