## IPND Dev Environment VPC Design



## IPND Development Env VPC CIDR

**10.192.0.0/16**

**63968/65536 IPs available**

10.192.0.0

10.192.0.255

**dev-pres-az1**

cancel

10.192.0.0/24

**256 IP addresses**

10.192.1.0

10.192.1.255

**dev-pres-az2**

cancel

10.192.1.0/24

**256 IP addresses**

10.192.2.0

10.192.7.255

**Unused Free block**

**1536 IP addresses available**

10.192.8.0

10.192.8.15

**dev-admin-az1**

cancel

10.192.8.0/28

**16 IP addresses**

10.192.8.16

10.192.8.255

**Unused Free block**

**240 IP addresses available**

10.192.9.0

10.192.9.15

**dev-admin-az2**

cancel

10.192.9.0/28

**16 IP addresses**

10.192.9.16

10.192.9.255

**Unused Free block**

**240 IP addresses available**

10.192.10.0

10.192.10.255

**dev-app-az1**

cancel

10.192.10.0/24

**256 IP addresses**

10.192.11.0

10.192.11.255

**dev-app-az2**

cancel

10.192.11.0/24

**256 IP addresses**

10.192.12.0

10.192.19.255

**Unused Free block**

**2048 IP addresses available**

10.192.20.0

10.192.20.255

**dev-db-az1**

cancel

10.192.20.0/24

**256 IP addresses**

10.192.21.0

10.192.21.255

**dev-db-az2**

cancel

10.192.21.0/24

**256 IP addresses**

10.192.22.0

10.192.255.255

**Unused Free block**

**59904 IP addresses available**

## Security Group Design

|  |  |
| --- | --- |
| **Security Group** | **Allowed Traffic** |
| **Public SG** |  |
|  | Allow HTTPS, RDP, SSH, Open VPN |
| **Admin DMZ SG** |  |
|  | Allow SSH, RDP from Public SG |
| **Admin SG** |  |
|  | Allow SSH, RDP, HTTPS from Admin DMZ SG |
| **OpenVPN SG** |  |
|  | Allow OPVN from Public SG |
|  | Allow SSH and HTTPS from Admin DMZ |
| **FTS SG** |  |
|  | Allow SFTP |
|  | Allow SSH and HTTPS from Admin DMZ |
| **IIS Presentation SG** |  |
|  | Allow HTTPS from Open VPN SG |
|  | Allow SSH and HTTPS from Admin DMZ |
| **IIS App SG** |  |
|  | Allow traffic from IIS Presentation SG |
|  | Allow SSH and HTTPS from Admin DMZ |
| **IPND Core SG** |  |
|  | Allow application traffic from FTS SG |
|  | Allow SSH and HTTPS from Admin DMZ |
| **DB SG** |  |
|  | Allow Oracle and MariaDB traffic from IPND Core, FTS and IIS App SGs |
|  | Allow SSH and HTTPS from Admin DMZ |