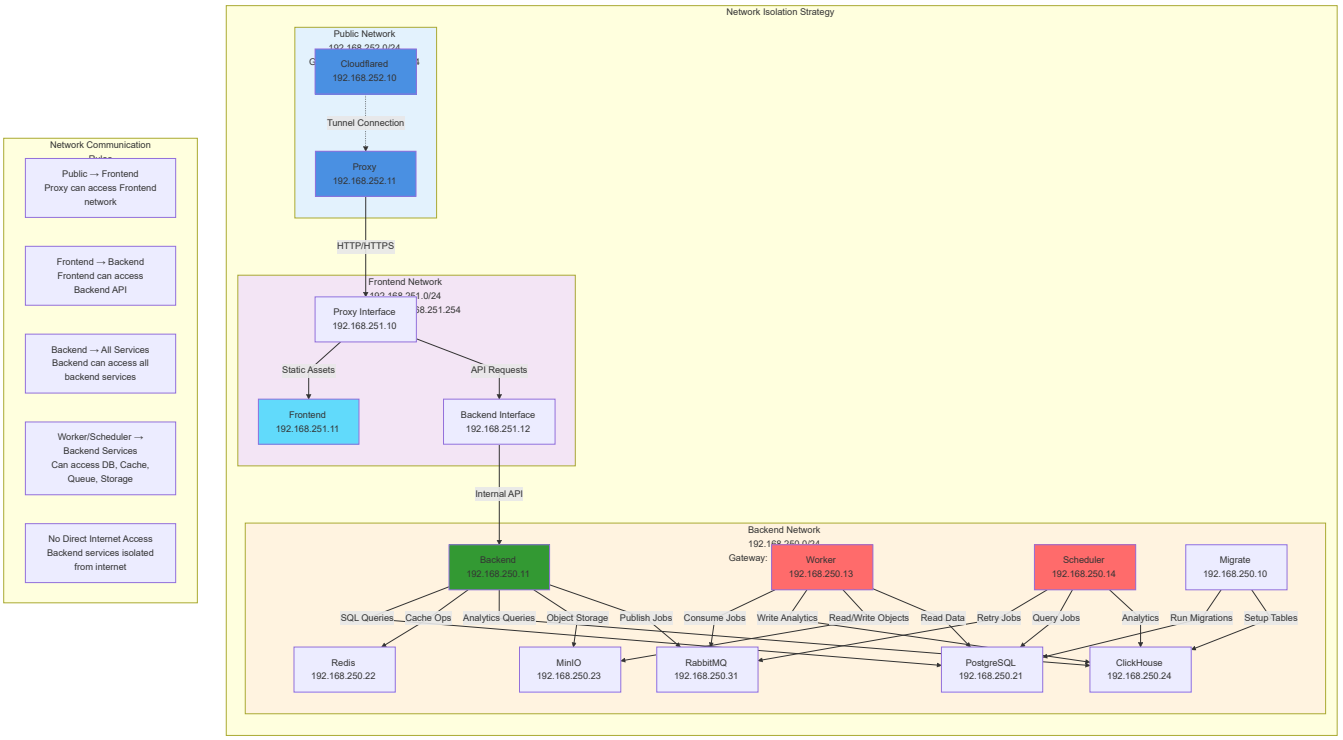
Network Isolation Strategy
Public Network
Cloudflared
192.168.252.10
Tunnel Connection
Proxy
192.168.252.11
HTTP/HTTPS
Frontend Network
Proxy Interface
192.168.251.10
Static Assets
API Requests
Frontend
192.168.251.11
Backend Interface
192.168.251.12
Internal API
Backend Network
Gateway:
Backend
192.168.250.11
Worker
192.168.250.13
Scheduler
192.168.250.14
Migrate
192.168.250.10
SQL Queries
Cache Ops
Analytics Queries
Object Storage
Publish Jobs
Consume Jobs
Write Analytics
Read/Write Objects
Read Data
Retry Jobs
Query Jobs
Analytics
Run Migrations
Setup Tables
Redis
192.168.250.22
MinIO
192.168.250.23
RabbitMQ
192.168.250.31
PostgreSQL
192.168.250.21
ClickHouse
192.168.250.24
Network Communication
Public → Frontend
Proxy can access Frontend network
Frontend → Backend
Frontend can access Backend API
Backend → All Services
Backend can access all backend services
Worker/Scheduler → Backend Services
Can access DB, Cache, Queue, Storage
No Direct Internet Access
Backend services isolated from internet