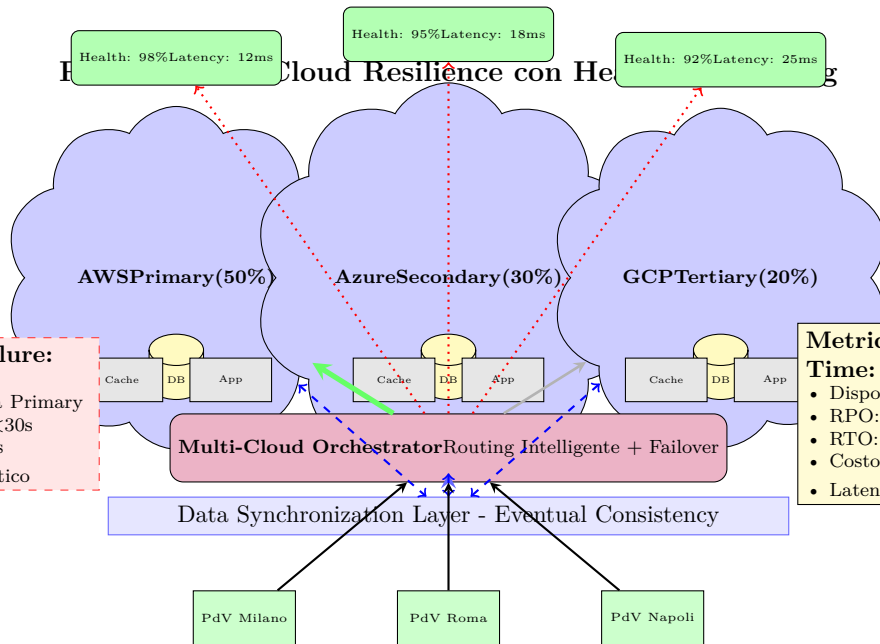


Cloud Resilience con Health Monitoring



Scenario Failure:

Se AWS down:

- Azure diventa Primary
- Traffic shift <30s
- Zero data loss
- Alert automatico

Metriche Real-Time:

- Disponibilità: 99.97%
- RPO: 5 minuti
- RTO: <1 minuto
- Costo: -23% vs single
- Latenza P99: 67ms

```
Routing Algorithm:
for provider in [AWS, Azure, GCP]:
    score = health * 0.5 + (1-latency/100) * 0.3 + (1-cost) * 0.2
    if score > threshold: route_traffic(provider)
    else: trigger_rebalance()
```