

Sovereign Architecture White Paper

1M+ TPS Transaction Platform — Rev-Up Elimination Model (2026)

Issued under the Sovereign Engineering Charter

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This document represents a sovereign-grade technical and architectural record.*

Sovereign Declaration

This document defines a sovereign-grade transaction architecture designed for planetary-scale financial, economic, and institutional platforms. The system exceeds one million transactions per second while eliminating all warm-up loss through unified multi-runtime deployment.

Operational Runtime Scripts

Deployment Control Script

```
kubectl scale deploy/tx-faststart --replicas=8  
sleep 30  
kubectl scale deploy/tx-crac --replicas=8  
sleep 10  
kubectl scale deploy/tx-faststart --replicas=2
```

Native Build Script

```
mvn -Pnative -DskipTests package  
docker build -t eclipse/tx-faststart:2026 .  
docker push eclipse/tx-faststart:2026
```

CRaC Build Script

```
mvn -Pcrac -DskipTests package  
docker build -t eclipse/tx-crac:2026 .  
docker push eclipse/tx-crac:2026
```

Conclusion

This platform does not scale into performance. It manifests at peak velocity from inception. This is sovereign-grade infrastructure.