

Production Checklist - Plataforma de Transparencia Municipal

Seguridad

Autenticación y Autorización

- ☒ JWT tokens con expiración configurada
- ☒ HTTPS habilitado en producción
- ☐ 2FA opcional para administradores
- ☒ Rate limiting en endpoints críticos
- ☐ CORS configurado correctamente
- ☒ Sanitización de inputs
- ☐ Protección contra SQL injection
- ☐ XSS protection habilitado

Variables de Entorno

- ☒ Todas las variables sensibles en .env
- ☒ .env no incluido en control de versiones
- ☒ Secrets rotados regularmente
- ☐ Variables de entorno encriptadas en CI/CD

Base de Datos

- ☒ Conexiones encriptadas
- ☐ Backups automáticos diarios
- ☐ Backup offsite configurado
- ☐ Disaster recovery plan documentado
- ☒ Índices optimizados
- ☐ Query logging habilitado

Performance

Frontend

- ☒ Lazy loading de componentes
- ☒ Imágenes optimizadas con Next.js Image
- ☒ Code splitting implementado
- ☐ Service Worker para PWA
- ☒ Caché de assets estáticos
- ☐ CDN configurado
- ☐ Gzip/Brotli compression

Backend

- ☐ Caching con Redis
- ☒ Paginación en todas las listas

- ☒ Query optimization
- ☐ Connection pooling
- ☐ Horizontal scaling configurado

Database

- ☒ Índices en campos frecuentes
- ☐ Query caching
- ☐ Read replicas configuradas
- ☐ Partitioning para tablas grandes



Monitoreo

Application Monitoring

- ☐ APM tool configurado (Datadog/New Relic)
- ☐ Error tracking (Sentry)
- ☐ Uptime monitoring
- ☐ Performance monitoring
- ☐ User analytics

Infrastructure

- ☐ Server metrics (CPU, RAM, Disk)
- ☐ Database metrics
- ☐ Network monitoring
- ☐ Alertas configuradas

Logs

- ☐ Log aggregation (ELK/Splunk)
- ☐ Log rotation configurado
- ☐ Structured logging
- ☐ Log retention policy



Testing

Automated Tests

- ☒ Unit tests con >70% coverage
- ☐ Integration tests
- ☐ E2E tests
- ☐ API tests
- ☐ Performance tests
- ☐ Security tests

Manual Testing

- ☐ User acceptance testing
- ☐ Cross-browser testing
- ☐ Mobile responsiveness
- ☐ Accessibility testing (WCAG)



Mobile & Accessibility

- ☒ Responsive design
- ☐ Touch-friendly UI
- ☒ Accessible forms
- ☒ Keyboard navigation
- ☐ Screen reader compatible
- ☐ High contrast mode



DevOps

CI/CD

- ☐ Automated builds
- ☐ Automated testing
- ☐ Automated deployment
- ☐ Rollback strategy
- ☐ Blue-green deployment

Version Control

- ☒ Git branching strategy
- ☒ Code review process
- ☐ Release tagging
- ☐ Changelog maintenance



Documentation

Technical Documentation

- ☒ API documentation
- ☒ Architecture diagrams
- ☒ Database schema
- ☒ Deployment guide
- ☐ Runbook for incidents

User Documentation

- ☐ User manual
- ☐ Admin guide
- ☐ FAQ
- ☐ Video tutorials



Compliance

Legal

- ☐ Privacy policy
- ☐ Terms of service
- ☐ Cookie policy
- ☐ GDPR compliance (if applicable)

- ☐ Data retention policy

Accessibility

- ☐ WCAG 2.1 Level AA
- ☐ Keyboard navigation
- ☐ Screen reader support
- ☐ Alt text for images



Operations

Backups

- ☐ Database backups diarios
- ☐ Backup testing mensual
- ☐ Offsite backup storage
- ☐ Recovery time objective (RTO) < 4 hours

Maintenance

- ☐ Maintenance window definido
- ☐ Update strategy
- ☐ Security patch process
- ☐ Dependency updates



Business

Analytics

- ☒ User behavior tracking
- ☐ Conversion tracking
- ☐ A/B testing framework
- ☐ Business metrics dashboard

Support

- ☐ Help desk system
- ☐ SLA definidos
- ☐ Escalation process
- ☐ Support documentation



Pre-Launch Checklist

Week Before Launch

- ☐ Full security audit
- ☐ Performance testing
- ☐ Load testing
- ☐ Backup verification
- ☐ DNS configuration
- ☐ SSL certificate

Day Before Launch

- ☐ Database migration dry-run
- ☐ Deployment dry-run
- ☐ Team briefing
- ☐ Rollback plan ready
- ☐ Support team trained

Launch Day

- ☐ Final smoke tests
- ☐ Monitor dashboards ready
- ☐ Announcement prepared
- ☐ Support team on standby
- ☐ Rollback plan accessible

Week After Launch

- ☐ Monitor error rates
- ☐ User feedback collection
- ☐ Performance analysis
- ☐ Bug fixes prioritized
- ☐ Post-mortem meeting

Performance Targets

- ☐ Page load time < 3 seconds
- ☐ Time to Interactive < 5 seconds
- ☐ Lighthouse score > 90
- ☐ API response time < 200ms
- ☐ 99.9% uptime SLA
- ☐ Zero critical security vulnerabilities

Emergency Contacts

Tech Lead: [Nombre] - [Teléfono]
DevOps: [Nombre] - [Teléfono]
Database Admin: [Nombre] - [Teléfono]
Security: [Nombre] - [Teléfono]
On-Call Rotation: [Link al schedule]

Regular Maintenance Schedule

Diario

- ☐ Monitor dashboards
- ☐ Check error logs
- ☐ Verify backups

Semanal

- ☐ Security updates
- ☐ Performance review
- ☐ User feedback review

Mensual

- ☐ Backup restore test
- ☐ Security audit
- ☐ Dependency updates
- ☐ Performance optimization

Trimestral

- ☐ Full security penetration test
- ☐ Disaster recovery drill
- ☐ Architecture review
- ☐ Capacity planning