GitLab Backup Cheat Sheet

Make sure to have...

[Backup]

- [ ] Multiple backup plans/policies (for one or many accounts)
- [ ] Policy-based advanced backup plans
- [ ] Full data coverage (repositories, metadata, LFS)
- [ ] Backup of SaaS and self-hosted accounts
- [ ] Full, incremental, differential backups
- [ ] Flexible scheduler and custom backup frequency
- [ ] Backup on demand
- [ ] Automatic repository sync
- [ ] Multi-storage compatibility (any cloud or on-premise storage)
- [ ] SaaS or on-premise deployment

[Backup Performance]

- [ ] Basic rotation scheme (daily backups)
- [ ] Grandfather-Father-Son rotation scheme
- [ ] Forever Incremental rotation scheme
- [ ] Unlimited retention
- [ ] Data compression on source
- [ ] Backup replication based on plans
- [ ] Task balancing

[Data Restore & Disaster Recovery]

- [ ] Every-scenario-ready Disaster Recovery
- [ ] Mass restore of multiple repositories
- [ ] Restore cloud to on-premise and conversely
- [ ] Restore to the local machine
- [ ] Recovery to the same Account /Organization
- [ ] Recovery to different Account /Organization
- [ ] Cross-over recovery to GitHub /Bitbucket
- [ ] Point-in-time recovery
- [ ] Granular recovery of repos and only selected metadata

[Security & Compliance]

- [ ] AES encryption level of choice
- [ ] In flight and at rest encryption
- [ ] Zero-knowledge encryption
- [ ] SSO (GitHub, GitLab, Atlassian, Google)
- [ ] Secure password vault
- [ ] SSL transfer encryption
- [ ] Data Center region of choice (US/EU)
- [ ] Compliance reports
- [ ] Ultra-secure authorization
- [ ] ISO27001/SOC 2 audited vendor

[Monitoring & Management]

- [ ] Central management console
- [ ] Data-driven dashboards
- [ ] Multiple admin accounts
- [ ] Access and privileges settings
- [ ] Customizable email and Slack notifications
- [ ] Advanced audit logs
- [ ] REST API for CI/CD integration
- [ ] Webhooks
- [ ] Daily reports for compliance purposes

[Ransomware Protection]

- [ ] Immutable storage
- [ ] Multi-storage system for 3-2-1 backup
- [ ] Limited access to storage credentials
- [ ] Backup-as-a-Service
- [ ] Disaster Recovery for Business Continuity

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