Essential Criteria for GitHub Backup

CHEAT SHEET

Your Ultimate Checklist:

Backup

- [ ] Automated and fully customized backups
- [ ] Widest GitHub data coverage (repos, metadata, LFS)
- [ ] GitHub and GitHub Enterprise Server supported
- [ ] Multiple backup plans/policies
- [ ] Policy-based advanced backup plans
- [ ] Backup on-demand

Restore & Disaster Recovery

- [ ] Every-scenario-ready DisasterRecovery
- [ ] Mass restore of multiple repositories
- [ ] Restore GitHub Cloud to ES and conversely
- [ ] Restore to device/on-premise
- [ ] Restore to the same GitHub account/organization
- [ ] Restore to a new GitHub account/organization
- [ ] Cross-over recovery to different git service
- [ ] Point-in-time recovery
- [ ] Granular recovery of repos and metadata

Data migration and mobility

- [ ] Migration between ES and cloud deployments
- [ ] The same or new GitHub account
- [ ] To different git hosting provider

Security & Compliance

- [ ] Your own AES 256 encryption key
- [ ] Separated customers cloud infrastructures
- [ ] AES encryption level of choice
- [ ] In flight and at rest encryption
- [ ] SSL transfer encryption
- [ ] Zero-knowledge encryption
- [ ] Data residency of choice (US, EU, AUS, custom)
- [ ] Compliance reports
- [ ] Ultra-secure authorization
- [ ] ISO27001/SOC 2 audited vendor

Authentication

- [ ] GitHub App
- [ ] OAuth App
- [ ] Account Credentials
- [ ] SAML integration
- [ ] SSO

Multi-storage support

- [ ] Cloud storage integration
- [ ] On-premise storage integration
- [ ] Add unlimited no. of storage
- [ ] Unlimited cloud storage included

Backup performance

- [ ] Full, incremental, differential backups
- [ ] Flexible scheduler and custom backup frequency
- [ ] Automatic repository sync
- [ ] Unlimited retention for compliance
- [ ] Enterprise backup-scalability
- [ ] Basic rotation scheme (daily backups)
- [ ] Grandfather-Father-Son rotation scheme
- [ ] Forever Incremental rotation scheme
- [ ] Data compression on source
- [ ] Backup replication based on plans
- [ ] Task balancing

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 automated operations
- [ ] Webhooks
- [ ] Daily reports for compliance purposes
- [ ] Unlimited accounts consolidation

Ransomware Protection

- [ ] Immutable S3 storage
- [ ] Non-executable data in the copy
- [ ] Limited access to storage credentials
- [ ] Multi-storage system for 3–2–1 backup
- [ ] Encrypted backups

Cross-recovery between:

GitHub, GitLab, Bitbucket, Azure DevOps

SAML integration to look for:

Auth0, Azure AD, CyberArk, Google, Okta, OneLogin, custom

SSO support to look for:

Atlassian, Google, Microsoft, GitHub, GitLab

Storage compatibility to look for:

AWS Storage, Azure Blob Storage, Google Cloud Storage,Wasabi Cloud, Backblaze B2, S3 Compatible storages, NAS/local

Automated storage replication to:

AWS Storage, Azure Blob Storage, Google Cloud Storage,Wasabi Cloud, Backblaze B2, S3 Compatible storages, NAS/local

GitProtect.io
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