

Backup System Deliverables

ID	Deliverable	Description
D01	Partition layout reference	Diagram/PDF of both disks: device names, sizes, UUIDs, mountpoints, etc.
D02	Tutorial	Narrative walkthrough of Btrfs concepts, snapshot flow, backup workflow.
D03	Reference guide	Exhaustive command catalog (`btrfs`, `btrbk`, systemd units), quota syntax, timer units.
D04	Quick reference sheet	Two-page crib sheet: common tasks, restore snippets, growth commands.
D05	Backup topology & retention matrix	Snapshot frequencies + keep policies; cloud frequency cost table.
D06	Recovery runbook	Bare-metal & point-in-time restore procedures.
D07	Subvolume & quota initializer	(`init_btrfs.sh`) Idempotent script: creates subvols, enables quotas.
D08	Snapshot timer units	`btrbk-hourly`, `btrbk-backup`, Snapper timers where default.
D09	Replication units	Timers + udev-triggered service for USB catchup.
D10	Udev rule	Fires replication service when backup disk appears.
D11	Scrub & balance timers	Monthly scrub, quarterly balance with alerting.
D12	Health alert service	Warn if backup stale or scrub fails.
D13	LUKS header backup	Offline copy of encrypted backup partition header + hash.
D14	Swing-space reclaim script	One-liner to grow NTFS or Btrfs when cushion deleted.
D15	Toolset documentation	Lists tools chosen, reasons, roles, usage policy.
D16	Trip Checklist	Manual pre-trip snapshot & cloud push instructions.
D17	Quarterly Maintenance checklist	Tasks incl. free-space check & quota enabling.
D18	Procurement list	USB disks, labels, antistatic pouches for future buys.