

# Protocol POC Requirements – StreamVault

- The protocol shall allow users to deposit USDC or any whitelisted SPL token to initiate a subscription
- The protocol shall create a unique on-chain escrow vault for each user-provider subscription pair
- The protocol shall allow funds to be streamed linearly over time or unlocked via milestone achievements
- The protocol shall allow providers to claim unlocked funds from the escrow vault
- The protocol shall allow users to cancel active subscriptions and reclaim unused funds
- The protocol shall charge a small protocol fee on each deposit (e.g., 50 basis points), sent to a separate fee vault
- The protocol shall support optional integration with guardian/arbitrator accounts for dispute resolution
- The protocol shall maintain all stream metadata on-chain, including start time, duration, and milestone hash map
- The protocol shall expose a claim, cancel, initialize, deposit, and close instruction set for full vault lifecycle management
- The protocol shall enable integration with off-chain bots or platforms (e.g., Discord/Twitter) for access gating or payout automation.











