

Sorry if this is a duplicate question.

Afaik, the PXE service is something users should run locally to preserve their privacy, but it sounds unrealistic to think every user would do it. In [this doc page](#), it's said, "For example, in future it could be run inside wallet software". This would force most users to trust wallet providers as they can access private execution data inside the PXE they also run unless it's a perfect black box that restricts the wallet provider from viewing what's happening inside. I'm not sure if it is feasible for web wallets/extensions wallets that run PXE on the user's behalf.

Correct me if I'm wrong regarding the above. My question is whether or not what PXE is responsible for can be done locally purely on the browser inside an app/wallet or through a web worker, instead. I'd like to know about the rationale: what makes PXE a server that has to be run by users?