

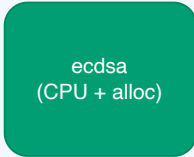
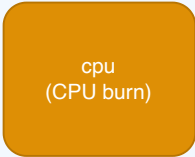
Benchmark Architecture - Overhead Measurement Strategy

Pure Workloads (Baseline)

Benchmark: View (BenchmarkECDSASign, etc.)
Measures: Raw workload TPS without any overhead

Workload Characteristics:

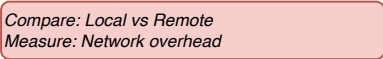
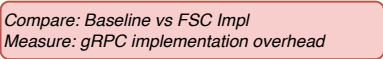
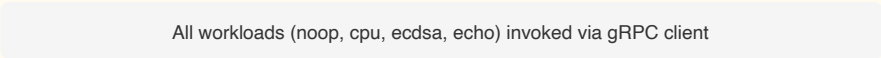
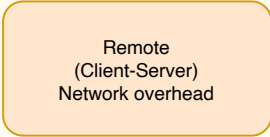
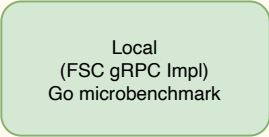
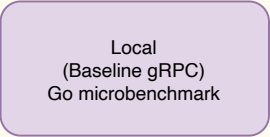
ecdsa: CPU + heavy allocations cpu: Pure CPU cycles



Add gRPC Stack

Workloads + gRPC Stack

Benchmarks: BenchmarkGRPCBaseline, BenchmarkGRPCImpl, BenchmarkRemote
Measures: gRPC overhead (serialization, RPC, network)



Add FSC Node Runtime

Workloads + gRPC + FSC Node Runtime

Benchmarks: BenchmarkAPI, BenchmarkAPIGRPC, BenchmarkAPIGRPCRemote
Measures: FSC node runtime overhead (view execution, session mgmt, identity)

