

# GRPC vs REST HTTP

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## Benchmarks:

- Dataset: AirNow-2020
- API: return all rows having matched value

## Key findings:

1. gRPC does not outperform HTTP
2. In some case, gRPC is worse than HTTP
3. Sending result as large string over network cause gRPC much slower than REST

	p50	p90	p99
GetRecord (gRPC)	149.41 ms	158.50 ms	253.71 ms
/search (REST HTTP)	141 ms	156 ms	204 ms
GetRecordString (gRPC)	138.50 ms	171.42 ms	329.67 ms
/search_string (REST HTTP)	127 ms	146 ms	233 ms