

Fastify - Interview Sheet

Performance, schema validation, plugin system, and serialization

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Top 10 Interview Questions

Q1. What makes Fastify faster than Express.js? Explain its JSON schema serialization and routing algorithm.

Answer:

Q2. How does Fastify's plugin system work? What is encapsulation and how do fastify-plugin and register() work?

Answer:

Q3. How does Fastify validate requests and responses using JSON Schema? What happens when validation fails?

Answer:

Q4. Explain Fastify's request lifecycle hooks: onRequest, preHandler, onSend, and onResponse.

Answer:

Q5. How do you implement JWT authentication in Fastify using @fastify/jwt?

Answer:

Q6. How does Fastify's serialization differ from JSON.stringify()? Why is it faster?

Answer:

Q7. How do you add CORS, rate limiting, and security headers in a Fastify application?

Answer:

Q8. What are Fastify decorators and how do you extend the fastify, request, and reply instances?

Answer:

Q9. How do you integrate PostgreSQL with Fastify using @fastify/postgres or an ORM like Prisma?

Answer:

Q10. How do you write tests for Fastify routes using fastify.inject() and a test framework like tap or Jest?

Answer: