

Tornado - Interview Sheet

Non-blocking I/O, IOLoop, WebSockets, and async handlers

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Top 10 Interview Questions

Q1. What is Tornado and what makes its non-blocking I/O model suitable for long-lived connections?

Answer:

Q2. Explain the Tornado IOLoop. How does it drive the event loop and what replaces it in modern Python?

Answer:

Q3. How do you define a request handler in Tornado? What are the HTTP verb methods you can override?

Answer:

Q4. What is the difference between using `@tornado.gen.coroutine` with `yield` and native `async/await` in Tornado?

Answer:

Q5. How does Tornado's WebSocket handler work? How do you handle `open()`, `on_message()`, and `on_close()`?

Answer:

Q6. How does Tornado's template engine work and how does it differ from Jinja2 in escaping behavior?

Answer:

Q7. How do you handle authentication in Tornado using `get_current_user` and `login_required`?

Answer:

Q8. How do you configure Tornado's HTTPServer to use SSL/TLS certificates?

Answer:

Q9. How do you run Tornado in a multi-process mode to utilize multiple CPU cores?

Answer:

Q10. How do you write async tests for Tornado handlers using `AsyncHTTPTestCase` and `gen_test`?

Answer: