

API Con: Hands-on with Spectral

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Hands-on with Spectral

What We'll Cover



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- Introduction to the tooling
- Use cases
- Walk through with examples (at the command line!)

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What is Spectral?



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- Design-time API linter
- Open source tool from Stoplight
- Available as CLI or package
- Supports Swagger, OpenAPI and AsyncAPI documents
- Highly extensible (as we shall see...)

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Use Cases



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- Apply design standards at design-time
- Quality assurance of API design
- Uniformly enforce organizational API standards

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Scenario 1



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Lint And Go...
The Bare Minimum

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Scenario 2



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Turn Up The Power...
Creating and
Extending a Ruleset

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Scenario 3



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This Is Noisy!
Turning Off Rules

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Scenario 4



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I Don't Like Camels...
Applying A Built-in Function

Hands-on with Spectral Scenario 5



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Bring Out The Big Guns...
Applying Design Standards
With A Custom Function

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Scenario 6



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Quick, the IT Security Team
are here!!!

Extending Across Rulesets

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Scenario 7



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And Now Let Us Forget About It....

Automating with Spectral

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Summary



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- Great tool for applying design-time governance
- You CAN automatically enforce your standards.
- Huge amount of power out-of-the-box through built-in functions.
- Custom functions let you mop-up the special cases.

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References



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- My GitHub repo: <https://github.com/api-stuff/hands-on-with-spectral.git>
- Spectral homepage: <https://meta.stoplight.io/docs/spectral>
- Husky homepage: <https://typicode.github.io/husky/#/>
- JSONPath eval online: <https://jsonpath.com/>
- Regex eval online: <https://regex101.com/>

Thanks!

