

Agile + DevOps **EAST**

A TECHWELL EVENT

AT17

Advanced Technical

Thursday, November 8th, 2018 3:00 PM

Service Virtualization: How to Test More by Testing Less

Presented by:

Paul Merrill

Beaufort Fairmont Automated Testing Services

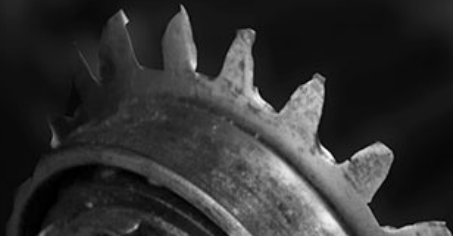
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Paul Merrill

Paul Merrill is principal software engineer in test and founder of Beaufort Fairmont Automated Testing Services. A frequent writer on testing and test automation in top-notch testing publications and an international speaker at testing and software conferences, Paul works with clients every day to accelerate testing, mitigate risks, and increase the value of testing processes with test automation. An entrepreneur, tester, and software engineer, Paul has a unique perspective on launching and maintaining quality products. Check out more test automation learnings through the webinars on his company website.



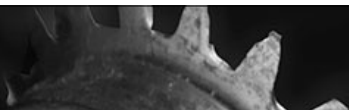
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Service Virtualization

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1



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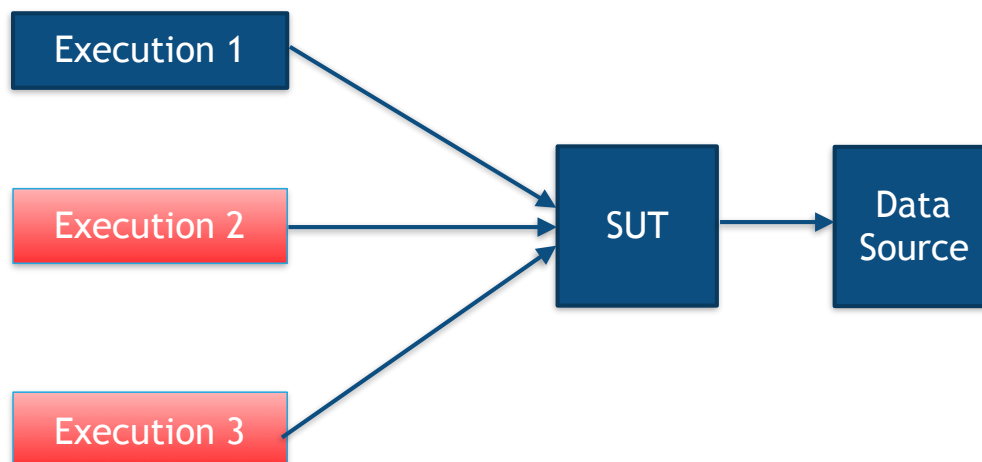
Why are your tests so flakey?

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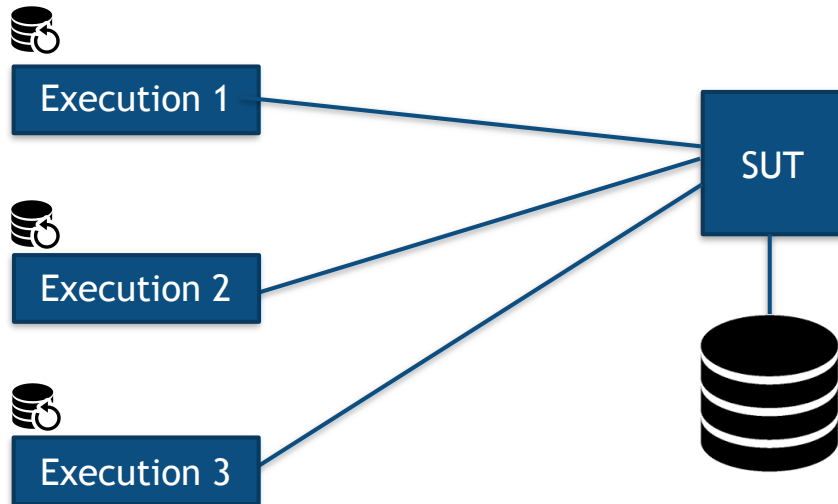
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Lack of adequate Test Data Management (TDM) is the #1 reason for flakey tests, IME

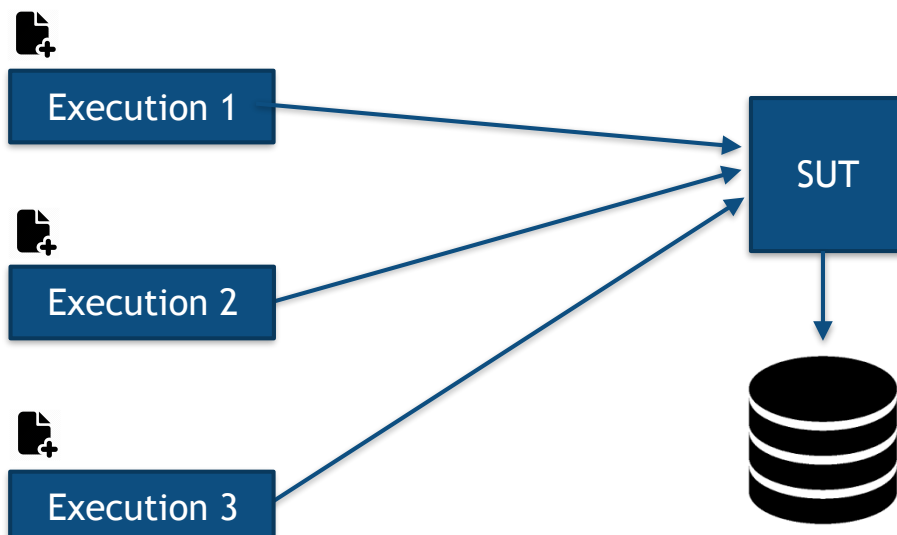
Elementary Approach



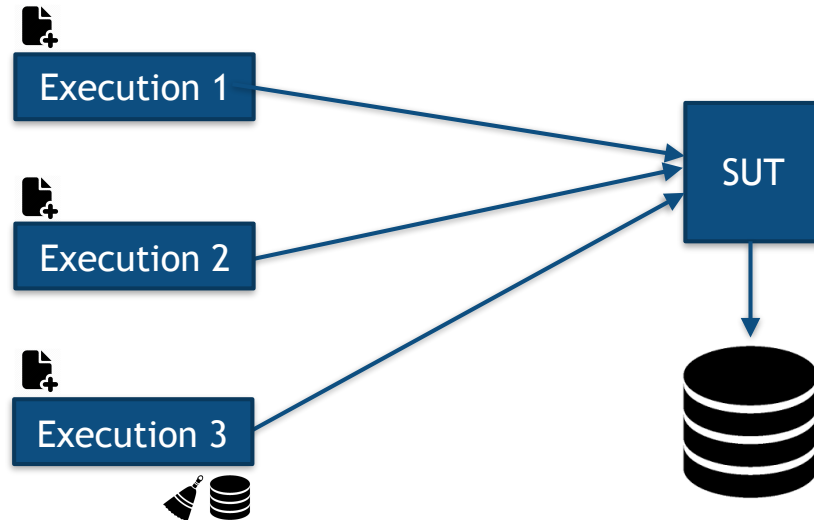
Refresh Data Source Approach



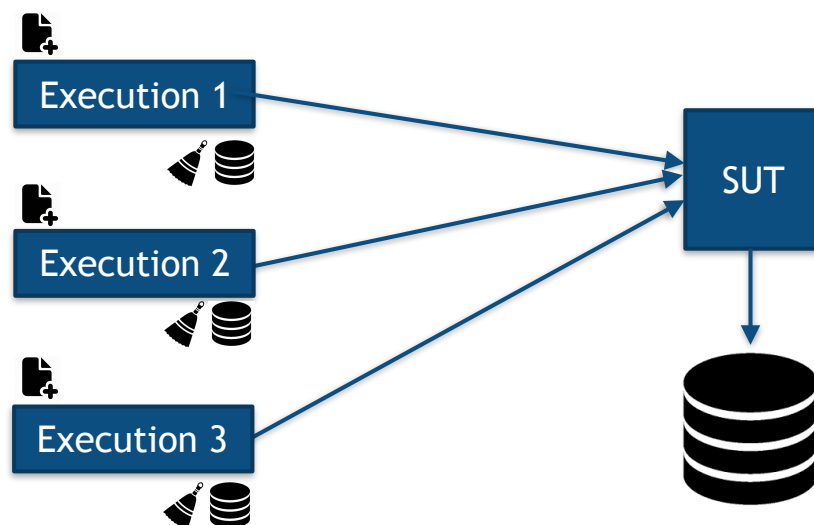
Selfish Data Generation



Data Generation & Batch Cleanup



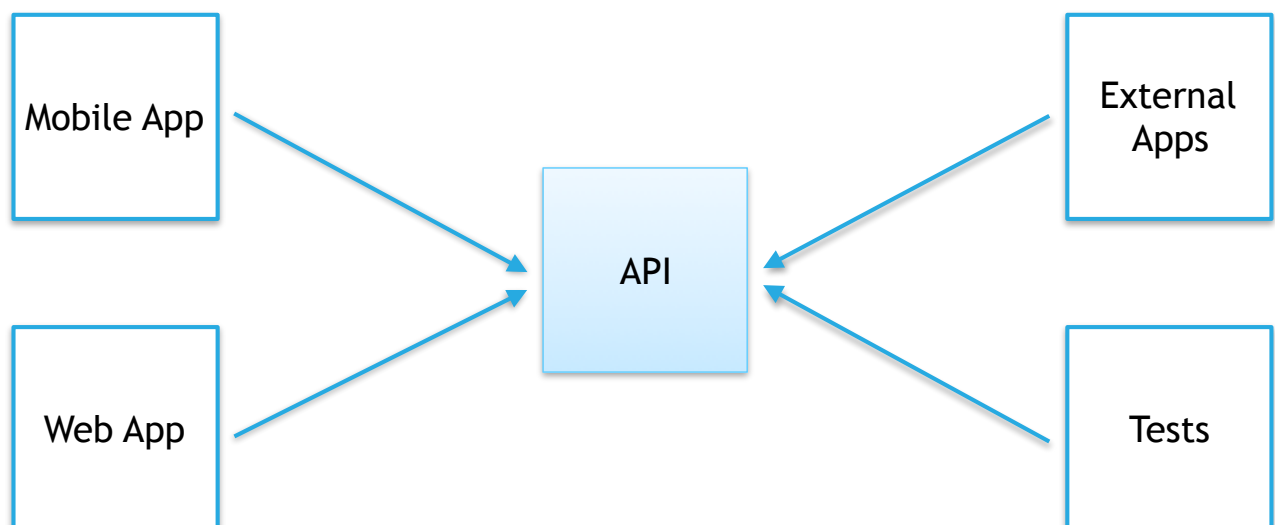
Data Generation & Immediate Cleanup



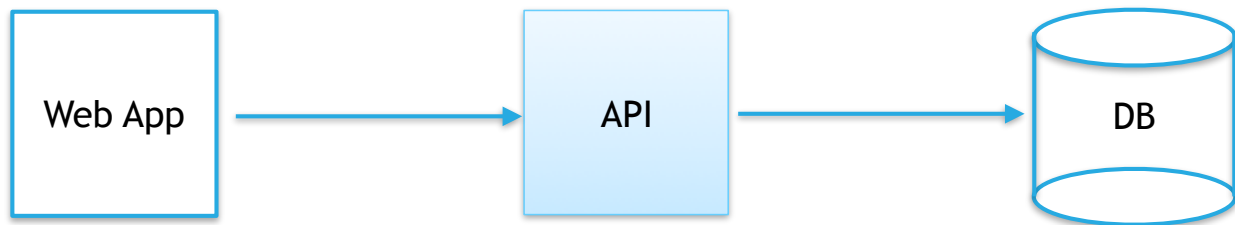
What's an API?

- ⚙️ Collection of “endpoints” or services
- ⚙️ Exposes functionality internally or externally
- ⚙️ Conventions: SOAP, REST, etc.

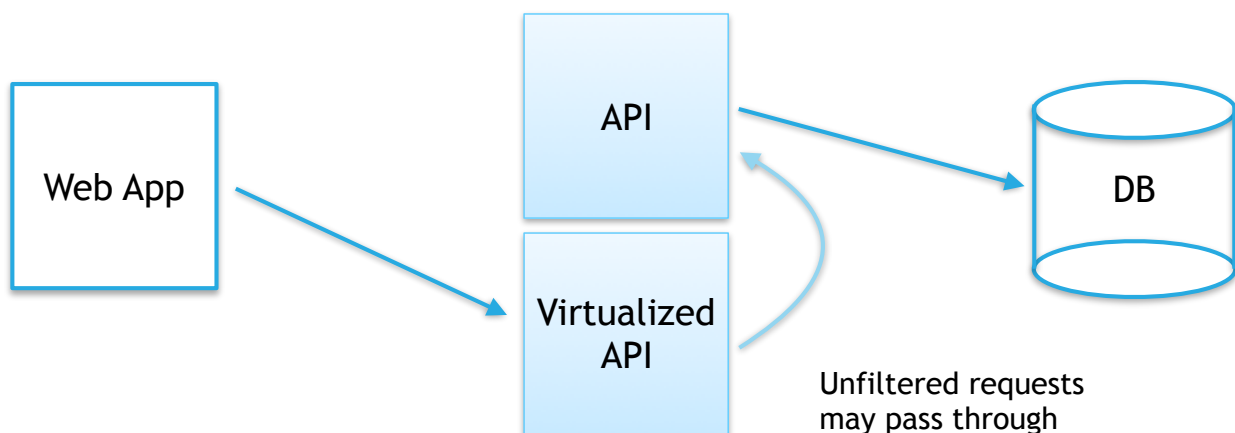
What's an API?



What's Service Virtualization?



What's Service Virtualization?



When?

- ⚙️ A service not available but we need it
- ⚙️ Dev not done yet
- ⚙️ External service unusable
- ⚙️ Demos
- ⚙️ Simulate service behaviors

Let's dive in!

Thanks

- ⚙ Bas Dijkstra
- ⚙ Javier Valasquez
- ⚙ WireMock
- ⚙ Hoverfly
- ⚙ Parasoft

Call me today &
Talk through your challenges
984.244.2313

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