

REST-like Wisdom from Celebrity Internet Memes

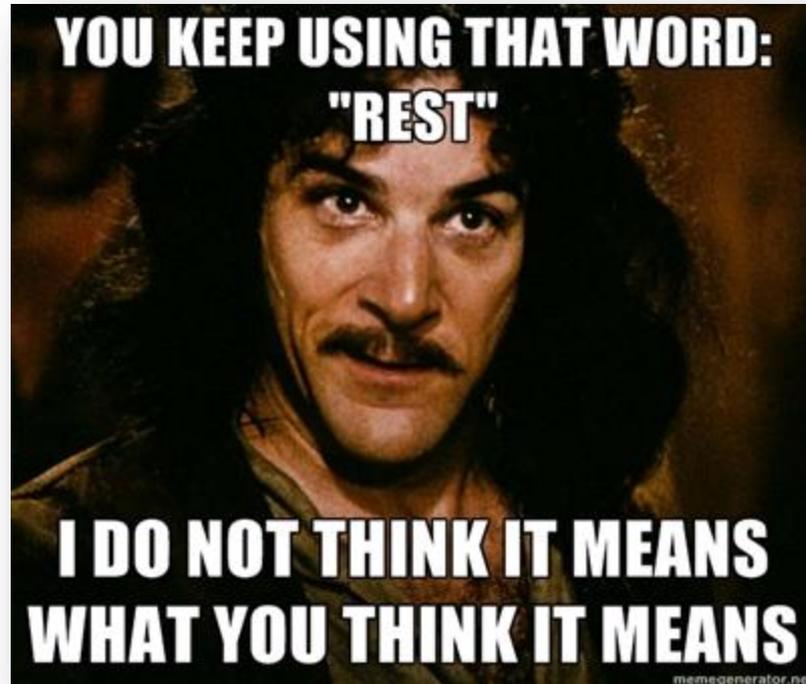
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Preliminaries

- Mike Amundsen
- Web Architect, Author, Presenter
- Software Explorer
- Principal API Architect, Layer 7 Technologies



ON WITH THE SHOW...



You keep using that word...

Don't try to redefine the term "REST"



... all the systems.

CRUD is an object pattern, not a media-type pattern.



Why U No...

The hypermedia constraint is unique to the REST style – use it.

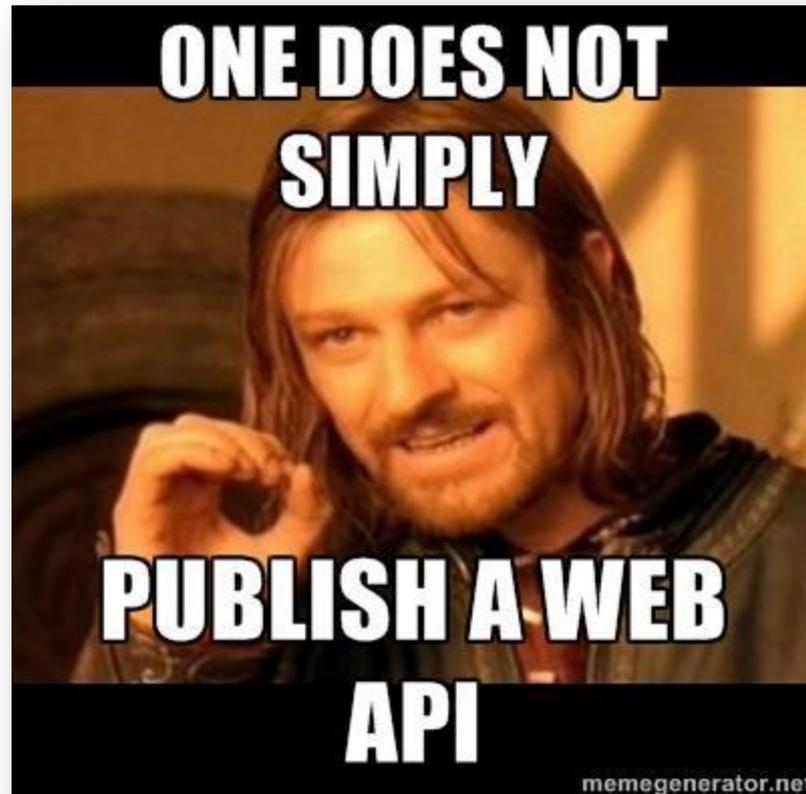
STATELESS



YOU MUST BE

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Statelessness is an essential aspect of several REST constraints.



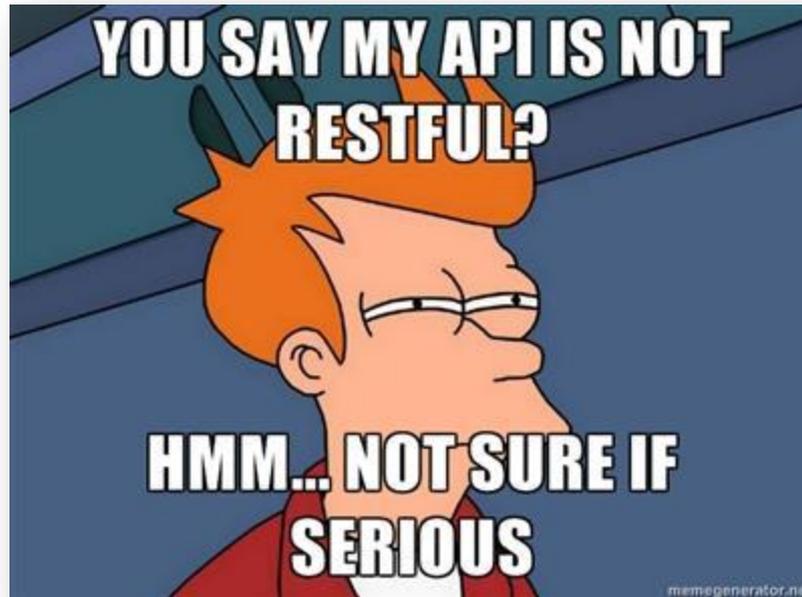
One does not...

Your [storage model|object model|
file system] are NOT your resource
model.



What if...

**Versioning “breaks” by design.
Whenever possible extend instead.**



You say my API is not...

Do you want to know if it is “RESTful”
or if it is “appropriate”?

**WHY DO YOU MAKE ME
DOWNLOAD YOUR SDK**



**BEFORE I CAN USE YOUR HTTP
API?**

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Why do you make me...

**SDKs are a mechanism of control.
Do you need this level of control?**



I don't often define my own media types...

**Use media type design to express
the interaction model.**



When you ask me...

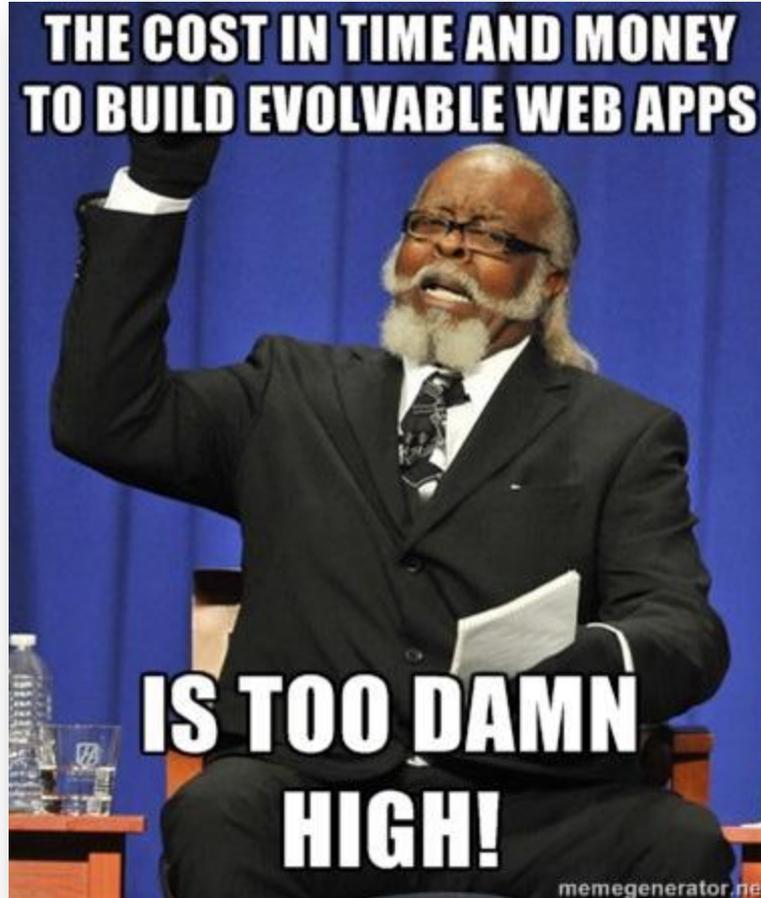
Do you really want to treat URIs as
an RPC space?



I always ignore caching...

Don't code HTTP clients that ignore caching.

**THE COST IN TIME AND MONEY
TO BUILD EVOLVABLE WEB APPS**



**IS TOO DAMN
HIGH!**

The cost ... is too damn high.

Have you really assessed the cost of evolvability? Have you really computed the benefits?

IN CONCLUSION...

Summary

1. Don't try to re-define REST
2. CRUD is an object pattern, not a media type pattern
3. The hypermedia constraint is unique to the REST style – use it.
4. Statelessness is an essential aspect of several REST constraints.
5. Your [storage model|object model| file system] are NOT your resource model.
6. Versioning “breaks” by design. Whenever possible extend instead.
7. Do you want to know if it is “RESTful” or if it is “appropriate”?
8. SDKs are a mechanism of control. Do you need this level of control?
9. Use media type design to express the interaction model.
10. Do you really want to treat URIs as an RPC space?
11. Don't code HTTP clients that ignore caching.
12. Have you really assessed the cost of evolvability? Have you really computed the benefits?



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