

SUMANTO BISWAS

DESIGN & DEVELOPMENT OF ENTERPRISE GRADE APIs



**WHAT'S THE INTERFACE
YOU IMPLEMENTED
AGAINST?**

REST INTERFACE GENERATED FROM CODE

- ▶ REST Interface generated from Code
- ▶ Interface lags Implementation
- ▶ REST Design an Afterthought

OAI FIRST

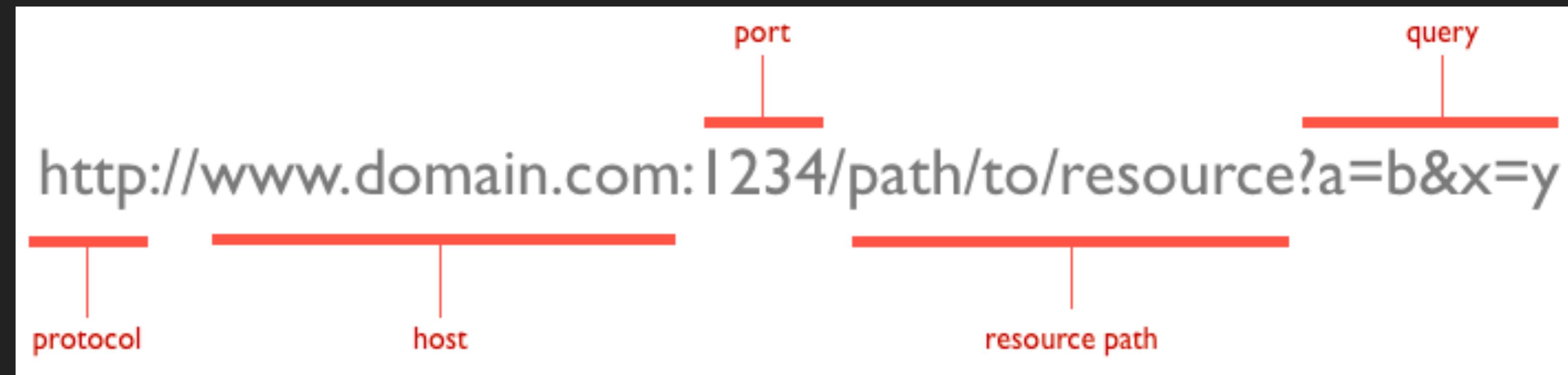


WHAT KIND OF
PERMISSIONS DO THE
API'S NEED?

CODE CONTROLLED REST BEHAVIOR

- ▶ Behavior deep inside Code
- ▶ End user concerns like security buried deep inside Implementation
- ▶ Header, Query Parameters, Schema validation

AI DRIVEN BEHAVIOR



APIS QUERY PARAMETER IS NOT CONSISTENTLY CAMEL CASED

REST API INCONSISTENCIES

- ▶ Style Inconsistency
- ▶ Maintenance nightmare
- ▶ Payload and schema inconsistency

OAI LINTING

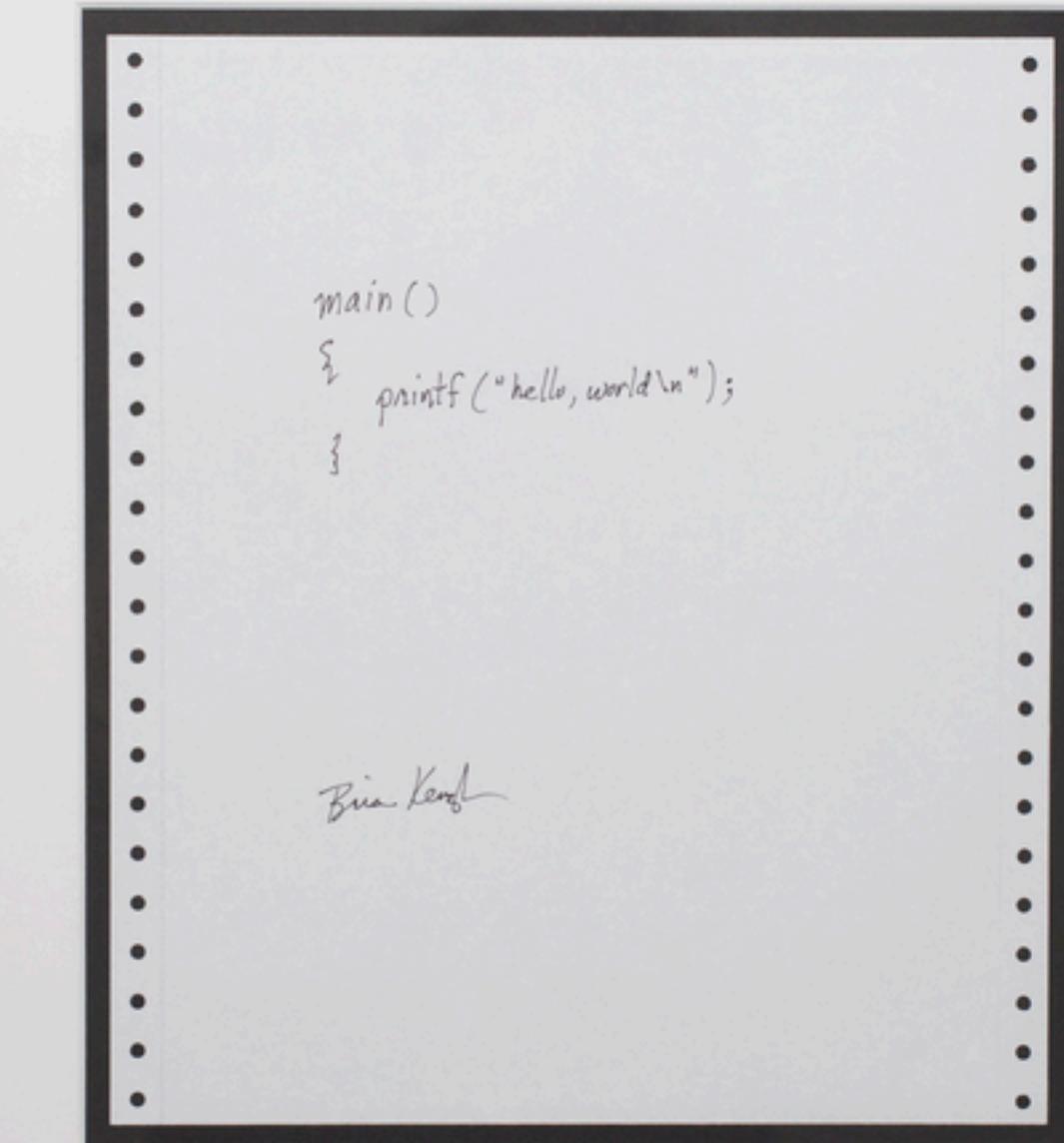


THE API DOCUMENT
DOESN'T EVEN LOAD
ANYMORE!

OAI DOCUMENT TOO VERBOSE

- ▶ OAI document becomes enormous and too verbose
- ▶ No one wants to read OAI anymore
- ▶ Linting is playing catchup with OAI Style issues

OAI GENERATION FROM METADATA



HOW DO I CALL THE REST APIS FROM MY CLIENT PROGRAM?

HOW DO I CALL FROM CLIENTS?

- ▶ What about REST Documentation
- ▶ What about Client Programs
- ▶ How do I keep my CLI up to date with REST APIs

OAI DRIVEN ASSETS