

# COMMAND QUERY RESPONSIBILITY SEGREGATION

[HTTP://MICROSERVICES.IO/PATTERNS/DATA/CQRS.HTML](http://microservices.io/patterns/data/cqrs.html)

SHOULD BE USED TO GUIDE

**ODRL** VALIDATORS

SHOULD BE USED TO GOVERN

**ODRL** EVALUATORS

SHOULD BE USED TO DEFINE

**ODRL** PROFILE MECHANISMS

SHOULD BE USED TO EXPRESS

**ODRL** VOCABULARIES

COLLATES WITH

**PTI** API COMPOSITION

MAY BE USED WITH

**EVENT** STREAM (SAGAS)

MAY BE USED WITH

**EVENT** SOURCING

SHOULD BE USED WITH

**DATABASE-AS-A-SERVICE**

COMMANDS EVENT STORES OVER

TCP/HTTP, UDP/CoAP<sup>0</sup>, RAW FRAMES/SOUND,  
QUIC/BLOCK-/SIDECHAINS

SERVES

**LINK** FORMATS, RELATIONS

SERVICES

**CoRE**<sup>1</sup> OF **ROCA**s

SUPPORTS

**CoMI**<sup>2</sup> (EXTENDS RESTCONF)

## INITIATION

PAYLOAD CONTENT FORMATS BASING APPLICATION/LINK-FORMAT AND LINK RELATIONS

### SERVER

PROXY, BALANCER, API, EVENT  
STREAM, DATABASE, EVENT SOURCE,  
CDN, NAMESERVER, SOCKET

## AWARENESS

RESOURCE DISCOVERY

### RELATIONS

POLICIES, DOMAINS

### FORMATS

TITLES, SATELLITES

## ADJUDICATION

RESOURCE OPERATIONS

### MIDDLEWARE

LOCALES, PACKAGES, GENERICS,  
COMPONENTS

### ROUTES

MAKE COOL URIs NEVER CHANGE  
AGAIN; COOL URIs DON'T CARE ABOUT  
YOUR STATE; PREFER VERSIONLESS  
APIs. "COMMAND/QUERY" OR  
"SERVICE/CONTENT" DICHOTOMIES  
COME TO AN END

### PUBLIC

DOCS? MOCKS? REPORTS? COVERAGE  
REPORTS? STATIC CODE ANALYSIS?  
REPOS? API PERF TESTS? STATUS  
PAGES? ./WELL-KNOWN?  
ROBOTS.TXT? INVOICES.TXT?

## RECOGNITION

RESOURCE REGISTRATION (MODULE CONTROLLERS M.O.V.E. ON)

### MODEL

REPRESENTATIONS ILLUMINATED FROM  
DIGITAL AND VIRTUAL FORCES  
(TYPICALLY MATERIALIZED AND  
COMPUTED AS HASHWORDS)  
... RINGS SIGNATURES, KNOT GROUPS,  
N-OF-N, LETTER OF CREDIT  
TRANSACTIONS

### OPERATION

SERVICES, AUTHORIZATIONS,  
LOCALIZATIONS, DIRECTIVES  
... LAMBDA, VECTOR CLOCKS,  
GEOMETRIC COMPUTING, CYMATIC  
SHAPE CRYPTOLOGY

### VIEW

THEMES, SKINS, TISSUES, CELLS,  
ORGANELLES, MOLECULES, ATOMS,  
TACHYONS  
... SO, DIGITAL VITALISM (DIGITALISM)

### EVENT

AFTER, BEFORE, OVERLAPS, WITHIN,  
EQUALS, OLDER, YOUNGER, WITHIN,  
ONCE, IF, SPREAD, CLASS, DURING,  
CONTAINS  
... BITEMPORAL, LOGICAL MATTER

<sup>0</sup> CONSTRAINED APPLICATION PROTOCOL. <sup>1</sup> CONSTRAINED RESTFUL ENVIRONMENTS; COMPARE/EXTENDS RESTCONF. <sup>2</sup> CoAP MANAGEMENT INTERFACE.