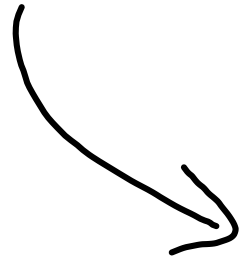


Service Centric^{SW} Engineering

SaaS - Software as
a Service

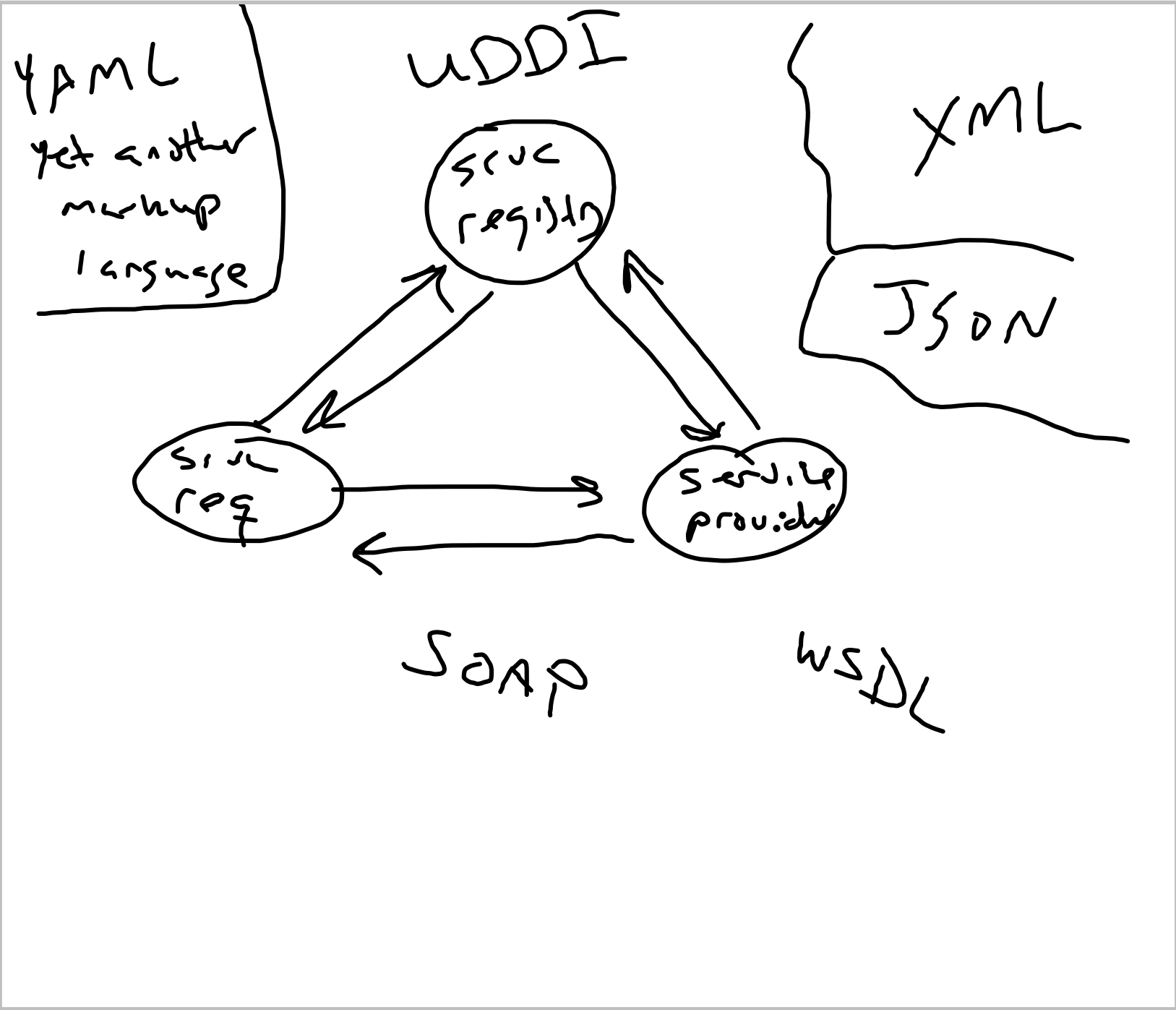
extension of
Component based engineering
↳ extending to solve
the pros (& cons) of
digital electronics

Service-oriented design



Component is

not running
on your hardware



<boxscores>
 <game>
 <date> ~ {/date}
 <home> Giants (/line)
 <visitor> Cubs (/visitor)
 <score> ... <...
 </score>
 <score>
 ...

DTD

Document Type Definition



XSS - extensible style
sheet

XST - XSL transformation

XPATH

XSCHEMA →

.. more sophisticated
DTD

```
Options = {  
  name: "George",  
  age: 13,  
  address: {  
    street: "____",  
    city: "Washington"}  
}
```

+ components are
language-independent

XML namespaces

RML account - customer #

NML account - inspuryston

3 types of services

Utility

Coordination

business

CORBA

SOAP

JNDI

WS-BPEL

WSDL

UDDI

Service Testing

- External services may be modified (without warning)
- non-functional requirements
→ depend on load

→ testing a service
can be \$\$\$

(services provided as
pay as you go)