

Web Apps: You're doing it wrong!

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I started programming because...

Well... I guess it must have been 'fun',
because I enjoyed it!



Flickr: CC-BY: Fun Day by Tostie14



Computers were

Big

↓
smaller

↓
very small

↓
Distributed

↓
EVERYWHERE

Making things easier!



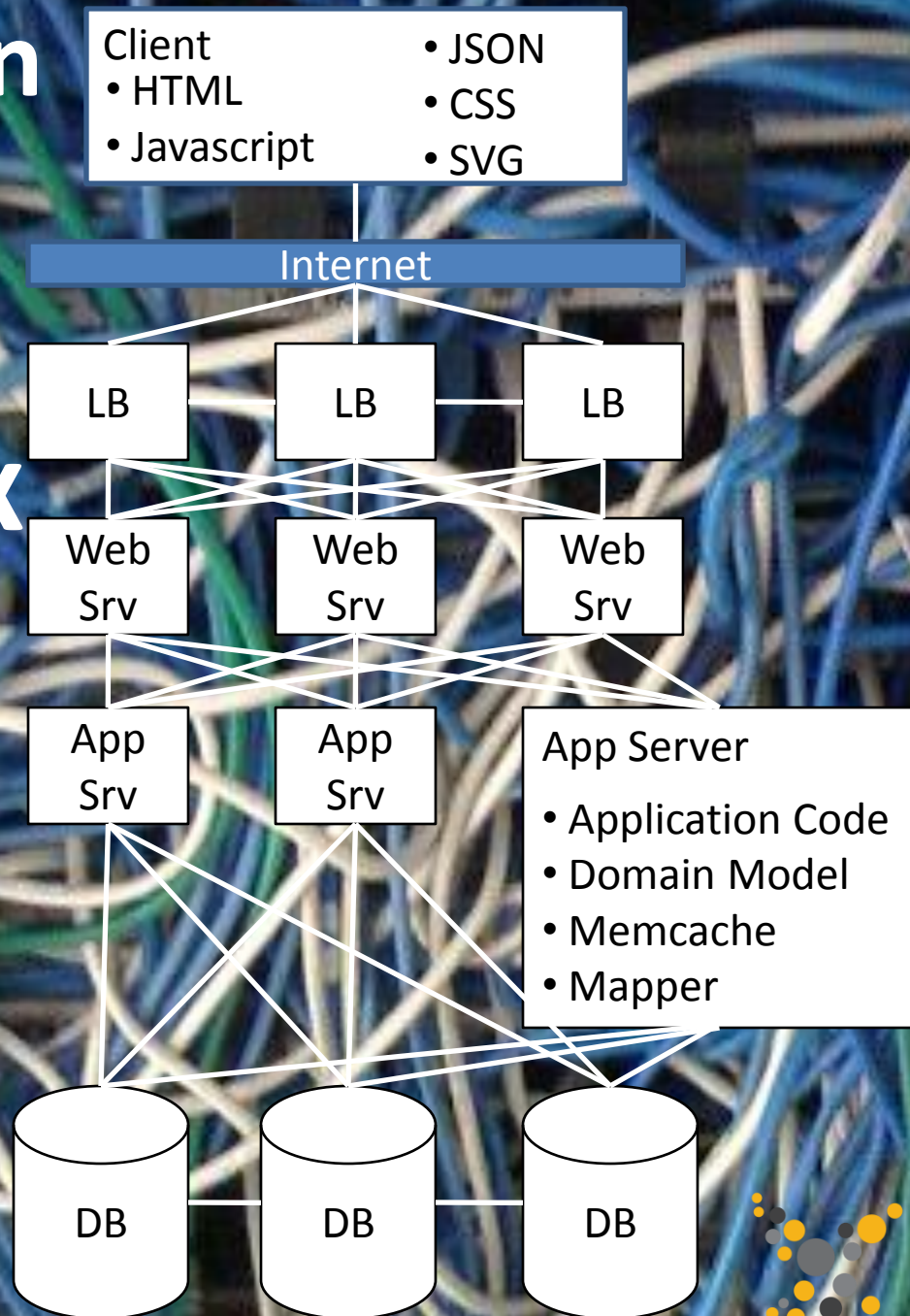
STOP: c0000218 Unknown
Unknown Hard Error

But then... Some days you spend
all day down the code mine and
you don't get anywhere!

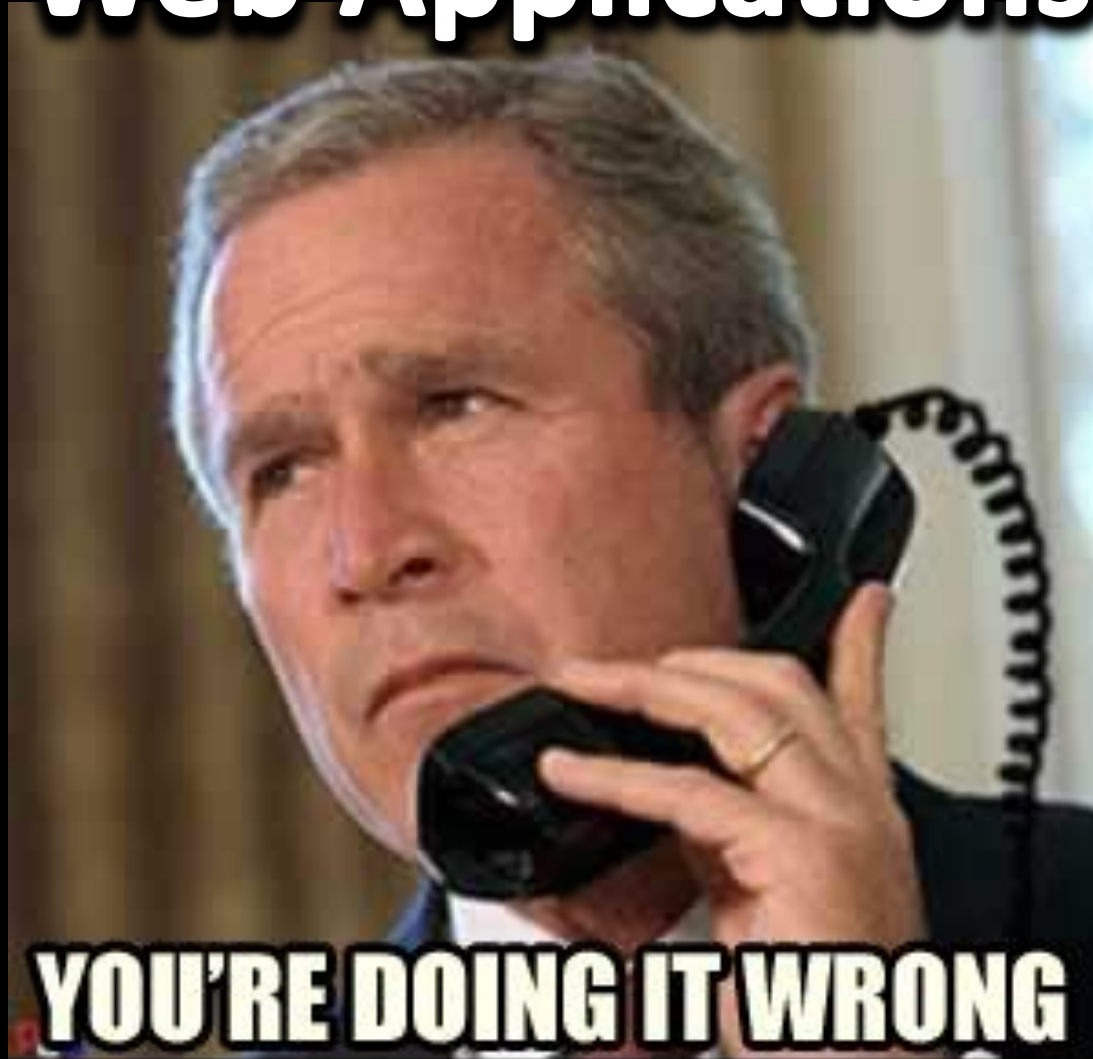
Its been 19 years now! This stuff should be
 $= 19 * \text{fun} + 19 * \text{easy}$



Web Application Architecture became more complex



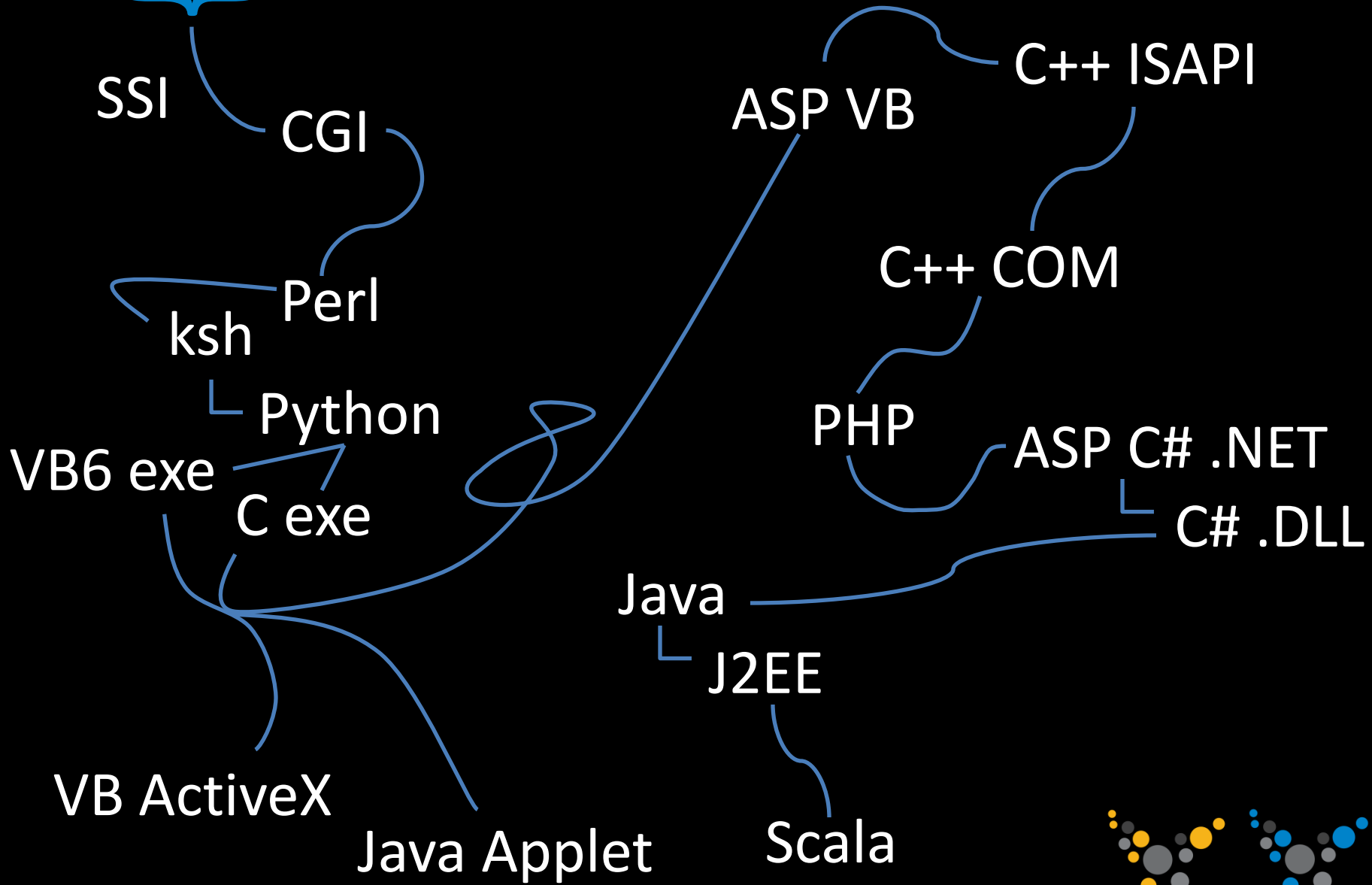
Web Applications



YOU'RE DOING IT WRONG



In my past (maybe yours), I built Web apps using...



It had been a dark time,
but then...

XML

There were enough XML
specifications, to build a complete
Web app, with just
XML technology.



Flutter is better!

Client

- HTML
- Javascript
- JSON
- CSS
- SVG

Internet

XML
Srv

XML
Srv

XML
Srv



Your using

w t f ?

XML Web Apps



The XRX+ house

When everything is XML
its like building with Lego



(me)

What is XRX+?

XML

XQuery

XForms

+

XSLT

EXPath

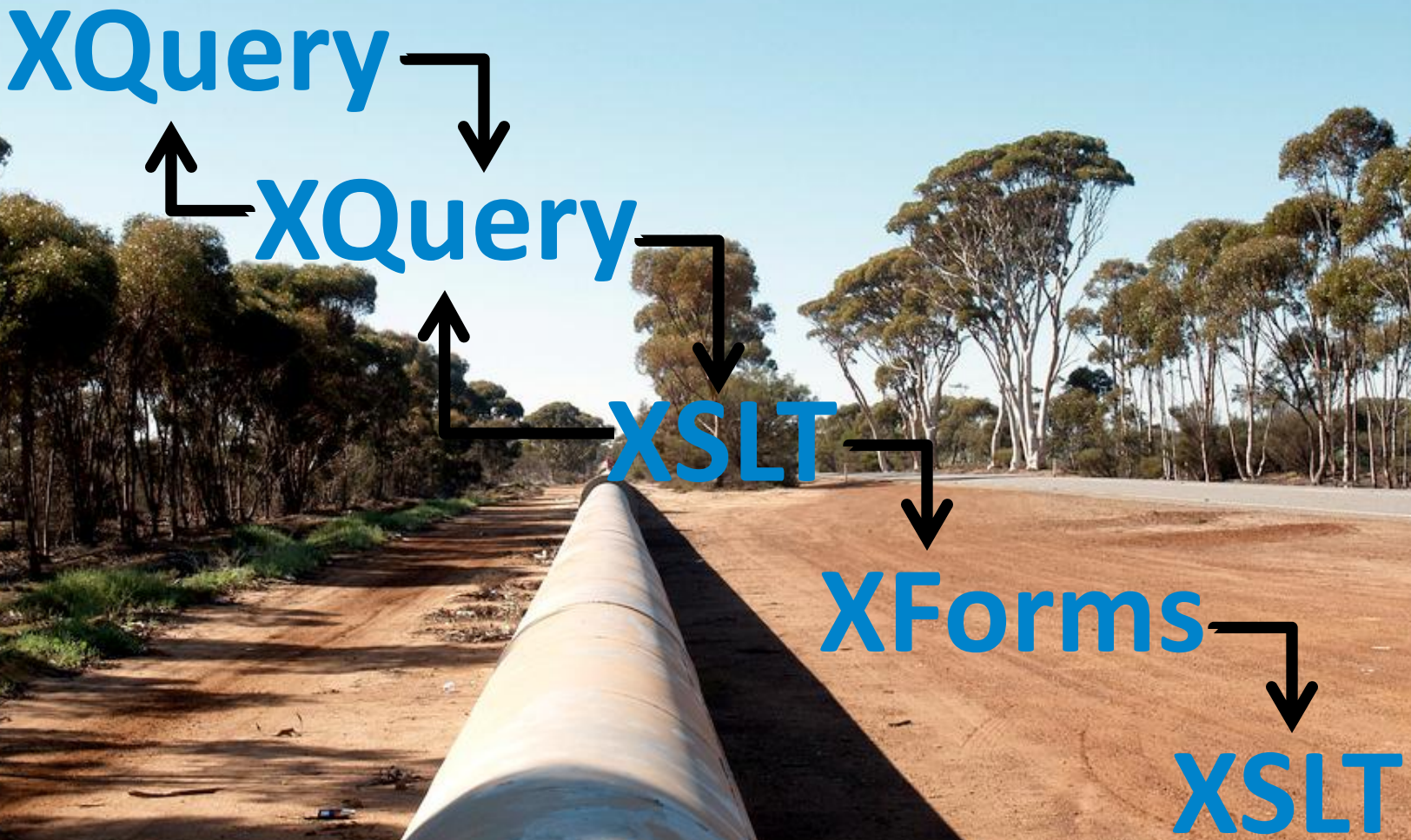
XInclude

XUpdate

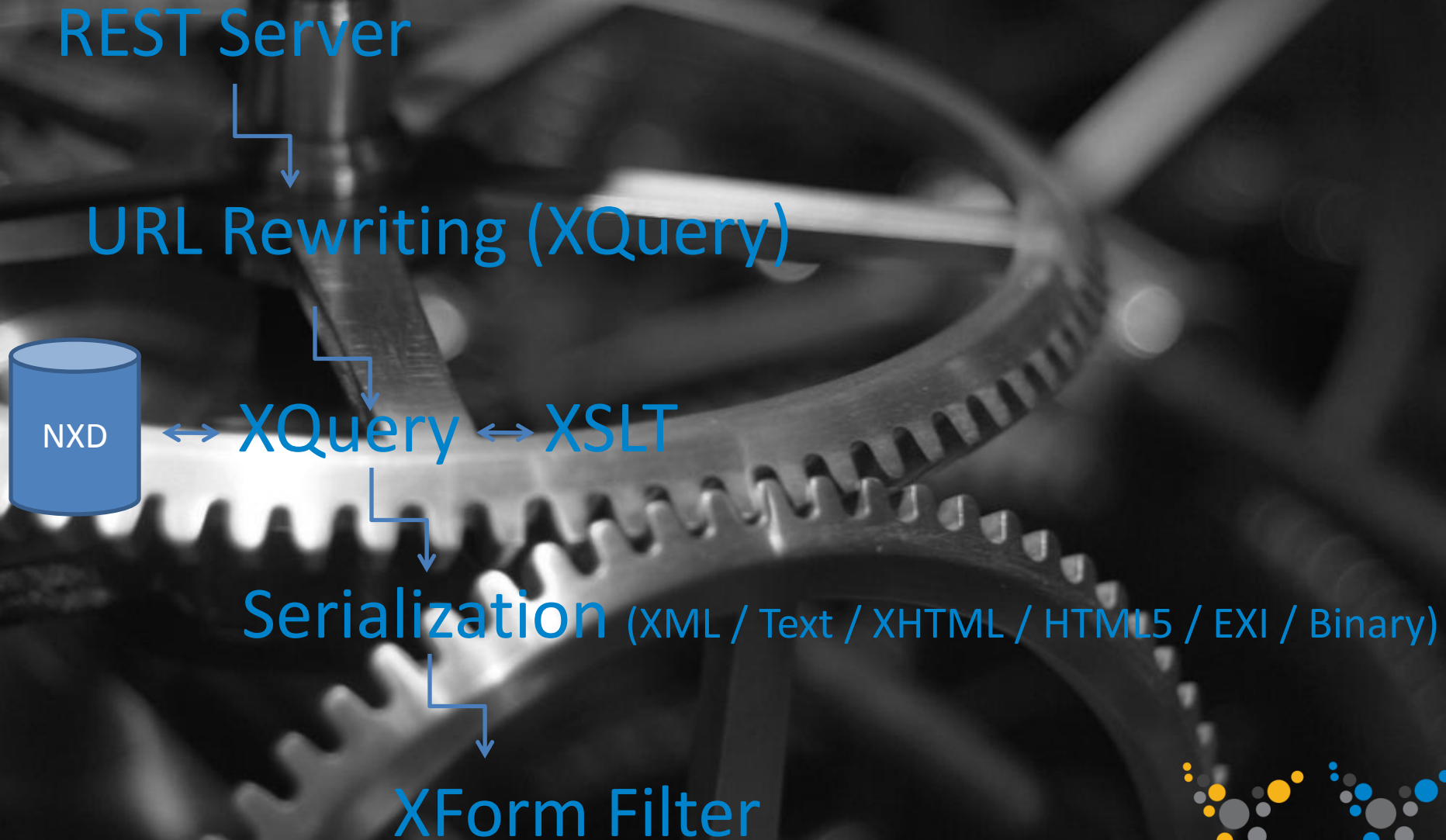
XQuery Update



Feels like a pipeline



How's it work?



++ some extensions

email

SQL Math

XSL-FO

Security + ACL

File Utils

XQuery Image Processing

Subversion

ZIP + GZip

HTTP

XSLT

XMLDB

FTP

Date and Time

HTTP

XProc

XSLT

EXI

Geo-Spatial

Binary

HTTP Server

Versioning

EXIF

XMP

Full Text





Standardise the extensions

EXPath

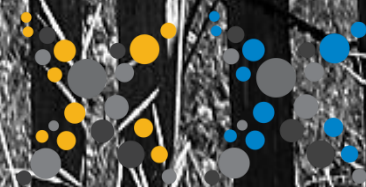


SHARE
THE
ROAD



...so what?

No barriers between Data and Processing



Fast development



No Data Access Layer/Mapper

~ 57% LoC Reduction (ETH)



XQuery Web Apps make you feel Cool

Rapid

Easy

Agile

Safe



But the Kids...

