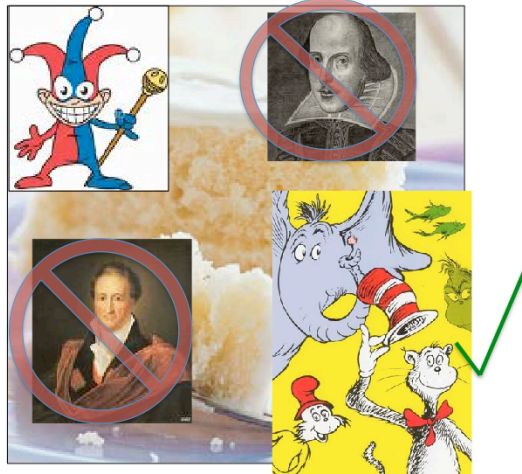


My Take on the Semantic Web Layercake



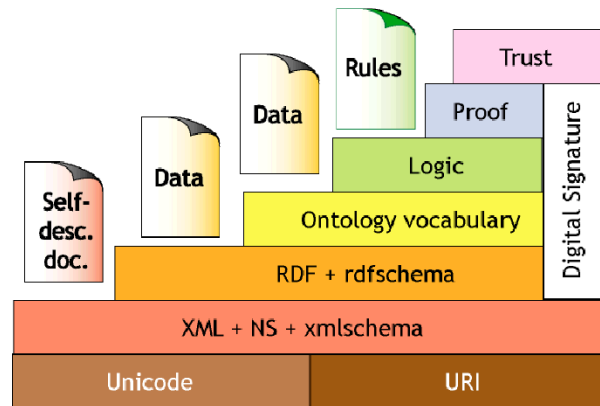
I know my lack of costume
May have caused Dieter's anger to fester
But I actually do have fancy dress (Change to costume)
...
For tonight I play the jester!

My Take on the Semantic Web Layercake



Tonight we look at layercake
And examine the lessons we can take
And since this is a festive time
I'm going to give the talk, in rhyme!
(And I must admit I found my muse.
Was not Shakespeare, not Goethe,
But Dr. Seuss!)

The famous layercake

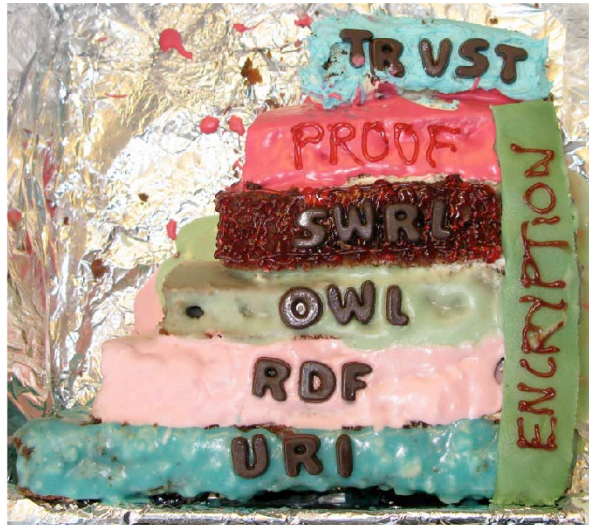


Tim Berners-Lee, 2001

We start with the cake
That was made by Tim
and see why we think
So well of him

This diagram is
our most used ever
Because it is so
Clear and clever

Another layercake



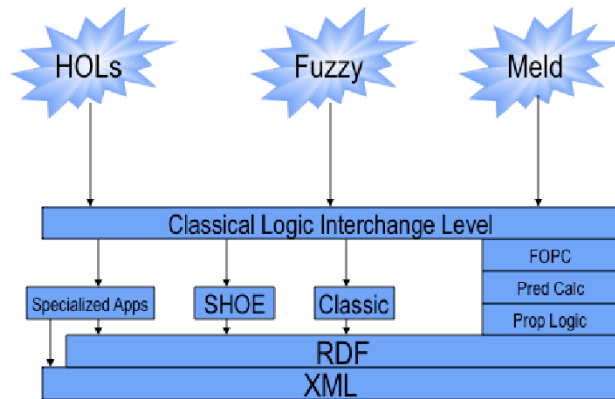
It's amazing you can make
When you start with his layercake!

Another layercake



(too bad Fabio had to go,
I know he would have loved this so!)

The DARPA layercake (1999)

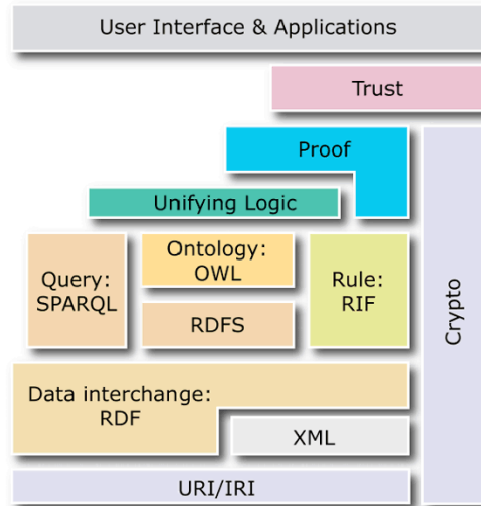


But I show you this
it's not a fake
there was an earlier layercake

I used this thing
It may sound funny
To get DARPA to give
Me DAML money

Compare mine, with Tim's so cool
That's why he 's a knight,
And I play the fool ...

The “approved” layercake (ca. 2006)



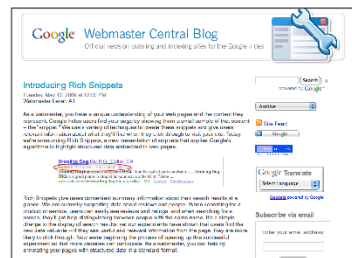
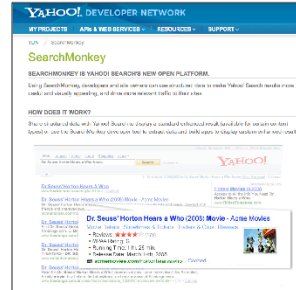
But somewhere around 2006
The layer cake was given a fix
To avoid outrageous barbs and stings
Tim was forced to add more things

And while this cake
Has a few more stacks
There's still a lot of stuff
it lacks

Embedded RDF

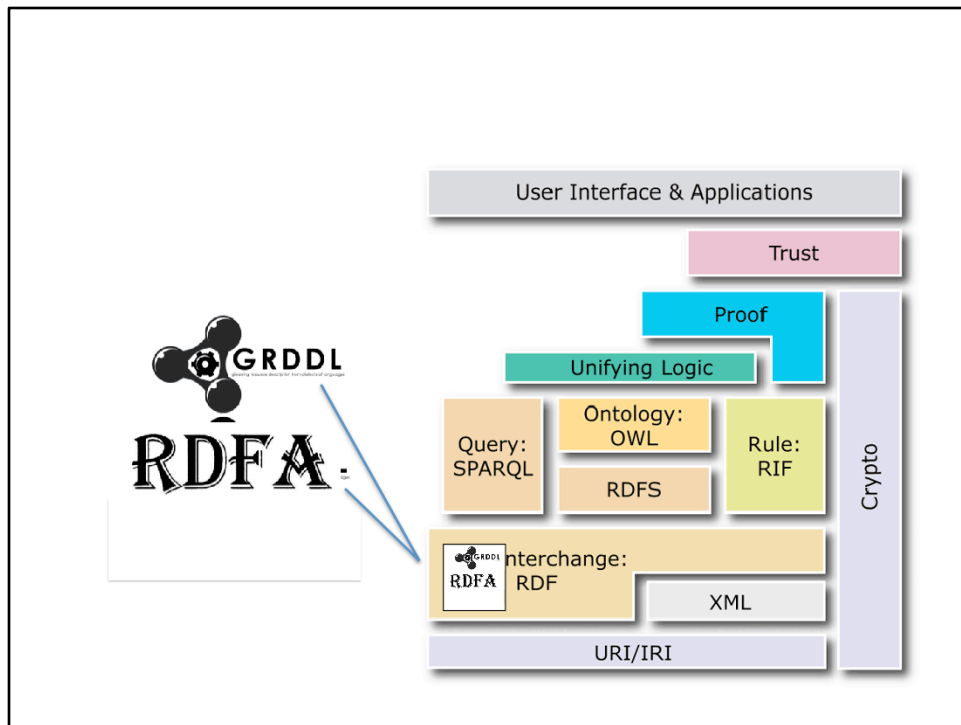


RDFa

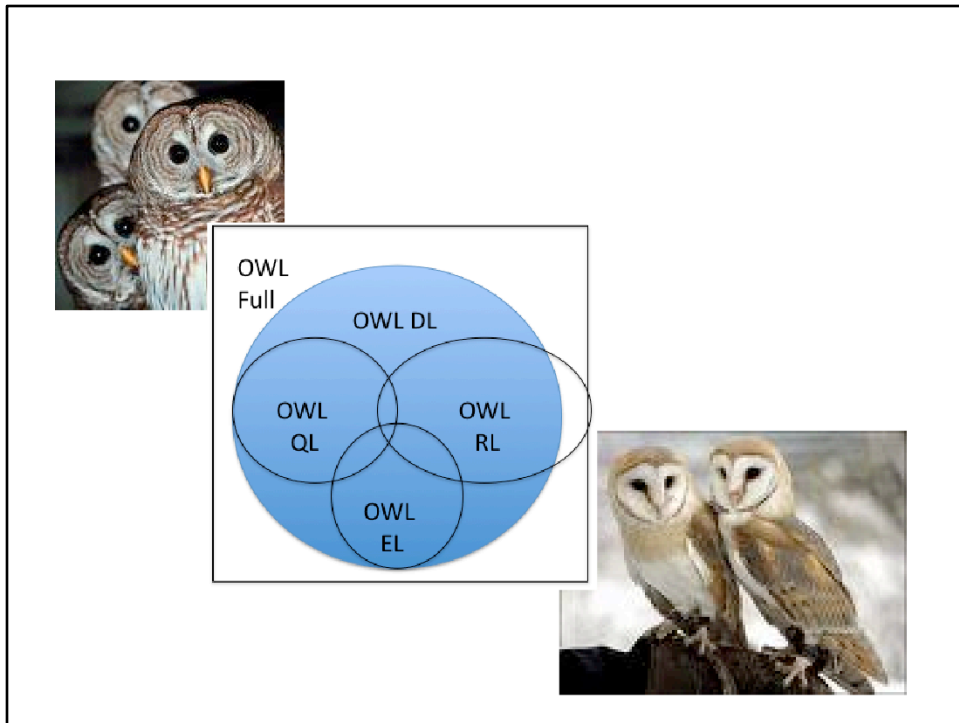


because embedding
as we know well
Means things must work
With HTML

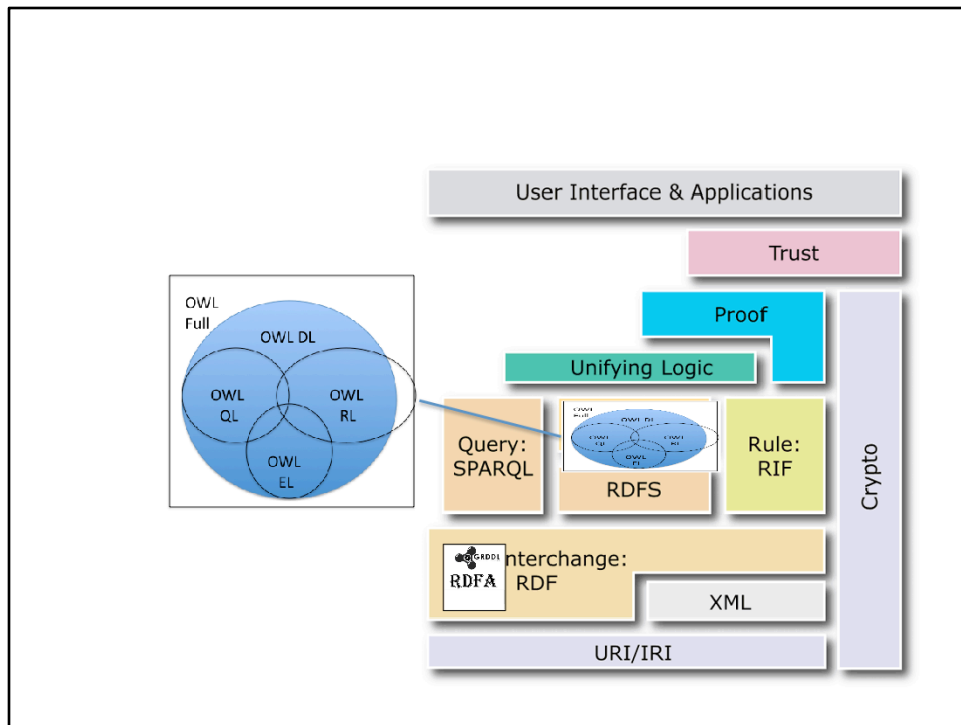
So with our cake
We have to fiddle
Because it left out
RDFa and GRDDL!



So we'll add these to our cake
And see what other change we'll make,
Adding these in lets move on and see
What's new in Ontology

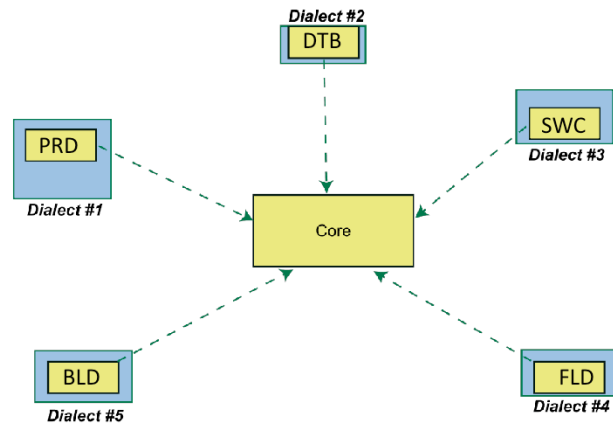


Now there is OWL 2,
And frankly it chills me to my very bowels!
But thanks to Ian and Bijan
We've now have got five OWLs!



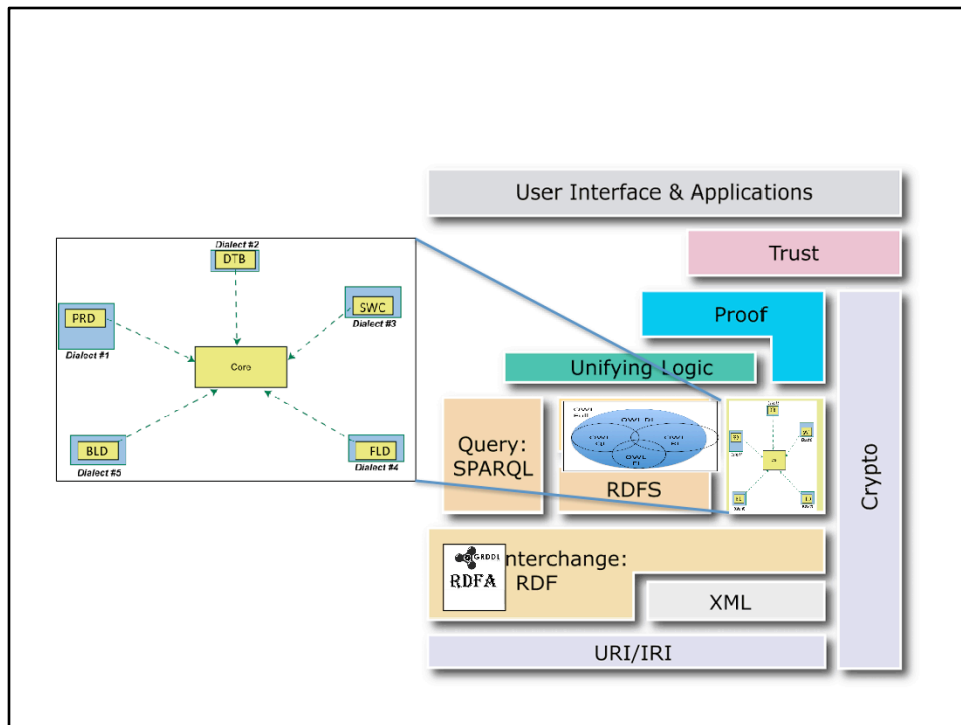
and if you worry that we're the fools
Just look at what RIF's done to rules

RIFing on and on



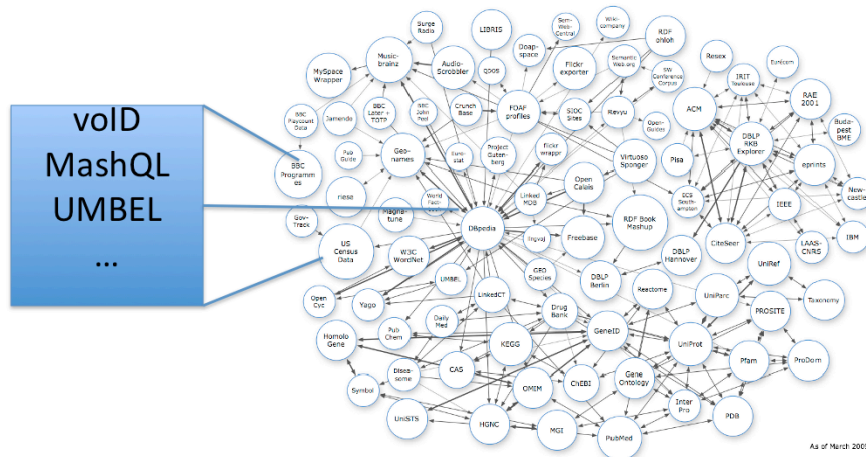
Whether
Perd or flid or swick
Anything can do the trick

As long as you build off the core
Add ditib, bled, and many more

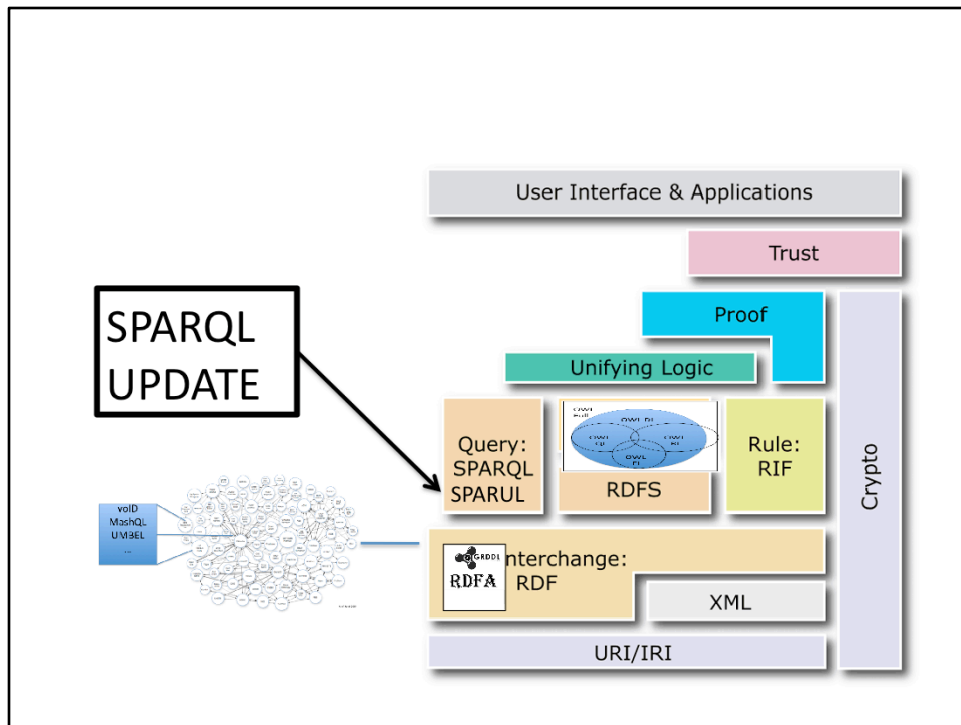


So throw that in,
 And sooner or later
 Thanks to Chris and Tom Heath
 We'll add linked data

LOD “languages”



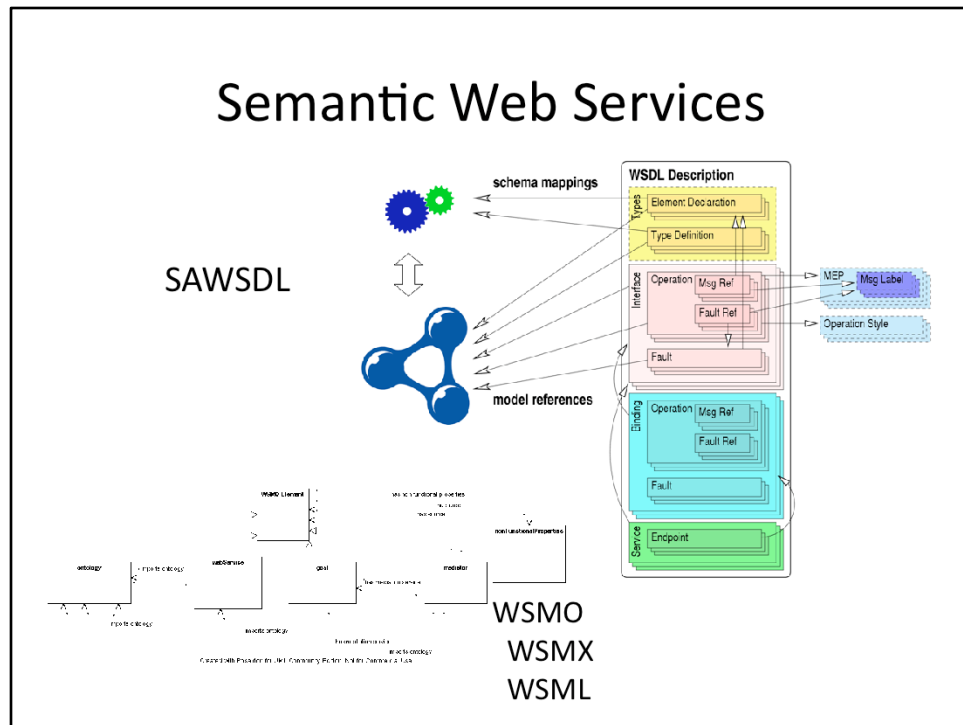
So I include, if you allowed,
Things we need in the linked data cloud
And it will surely keep us humble
As we add voID, MashQL and UMBEL



Oh, And before to late
SPARQL needed it's own update!

And I know John's getting nervous
Because I haven't said

Semantic Web Services



Web Service!

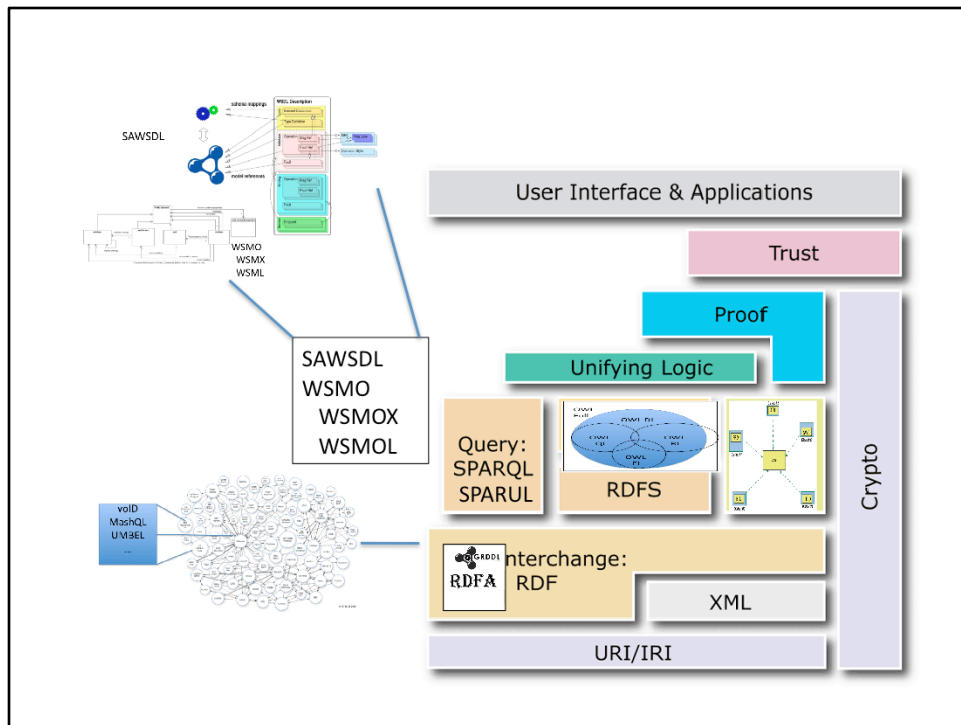
We've got SAWSDL

WSMO as well

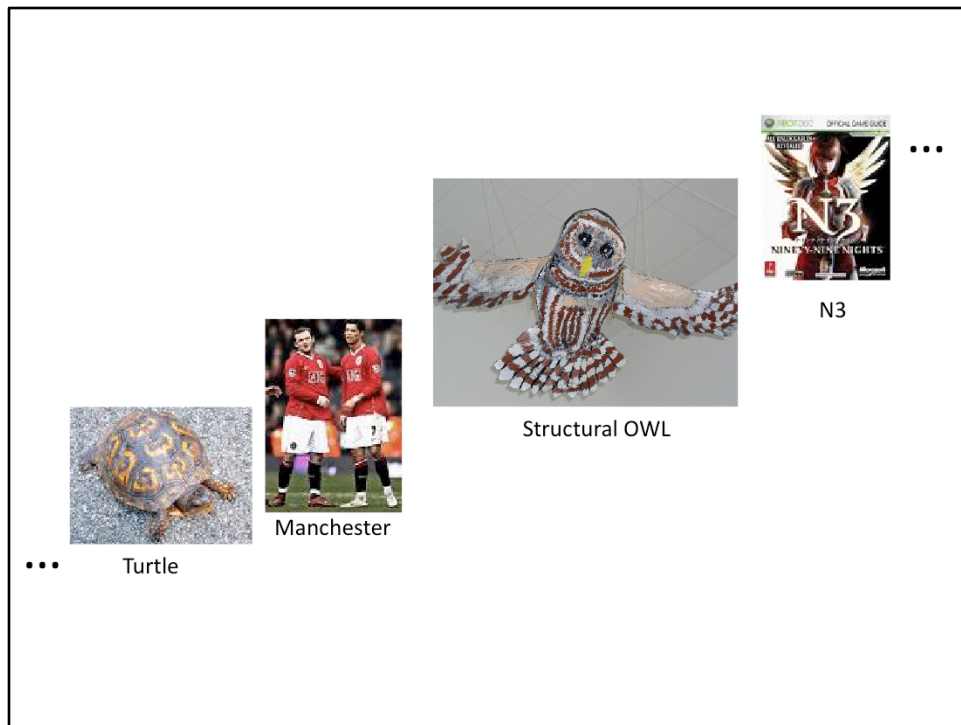
(in fact WSMO X and L)

(OWL-S you do not see,

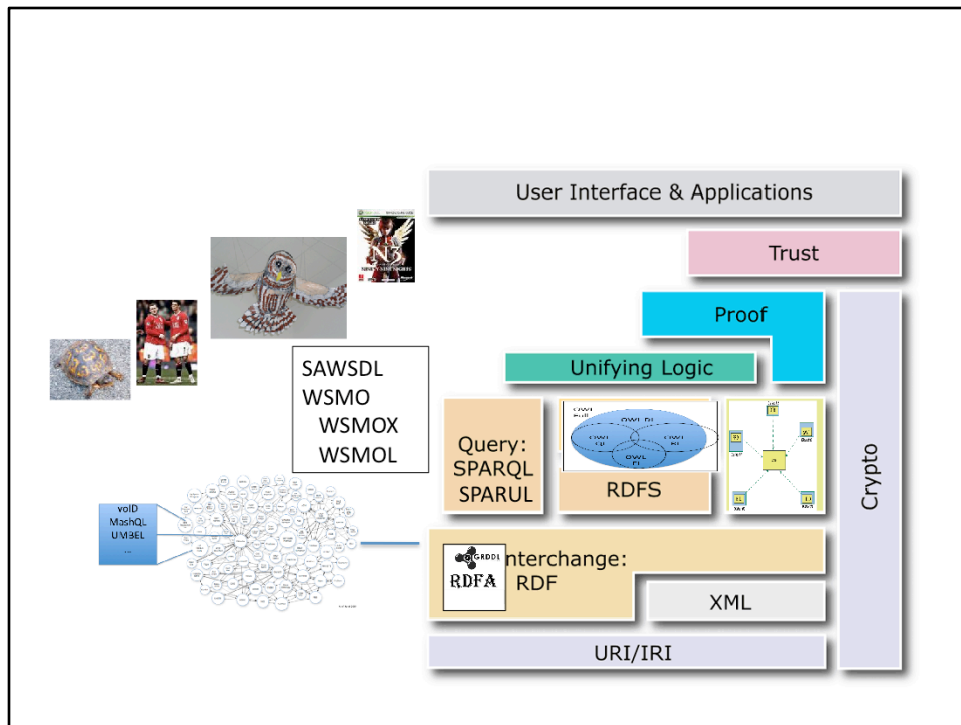
So that people won't throw things at me)



Another thing our cake lacks
Is a whole slew ...



...of new syntax!
 So many ways RDF we write
 Describing them would take all night
 So I'll give you a break [CLICK]



And just add them to the cake

This layercake

I must confess

Really is a bloody mess

To many folks

It's causing stress!

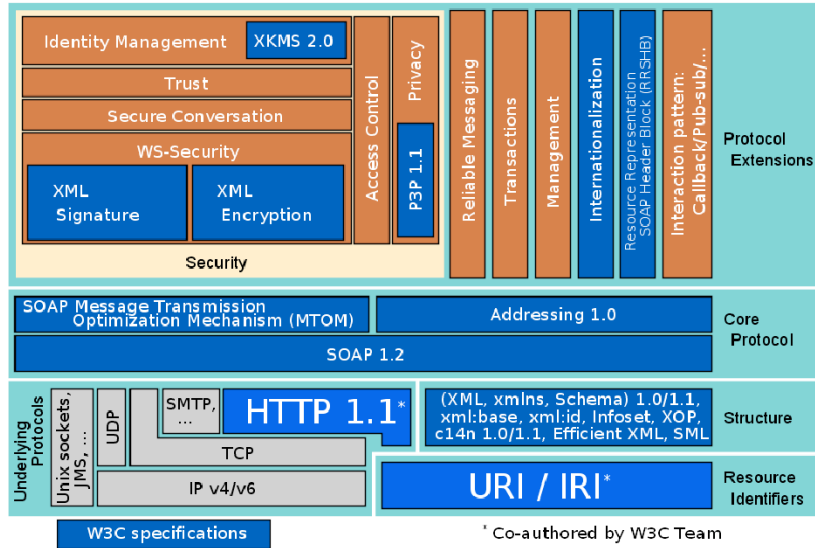
The Web (ca 1990)



People love to tell us
The Web has a simple stack

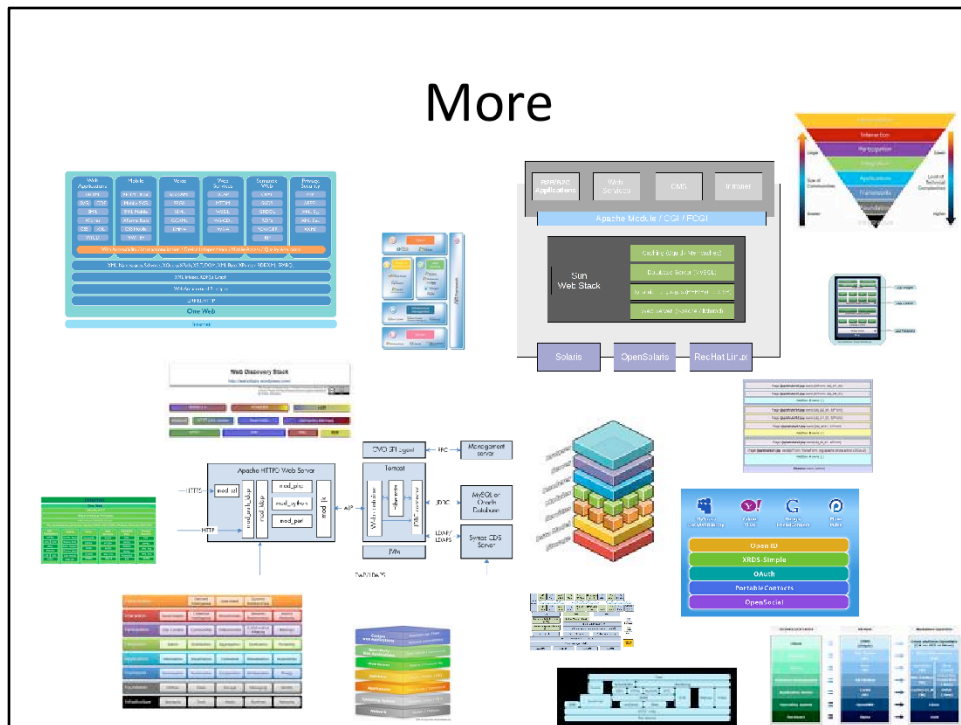
But let us not forget
That was twenty years back!

Web Service Stack



Or if you think that is a hack
How bout the Web service stack

More



And I don't want to be a bore,
So I'll just point out there's many more

Conclusion

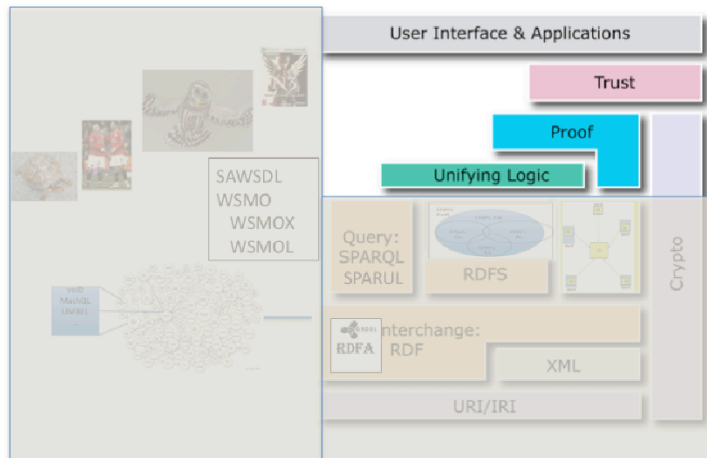
- The stacks from ten years ago
 - Showed how far we had to go
- I can say with much assurity
 - This growing stack shows our maturity
- And thus I loudly now Proclaim
 - This stack's our pride - Not our shame

The stack from ten years ago
Shows how far we had to go
And I add with much assurity
The growing stack shows our maturity
And thus I loudly now proclaim
This stack's our pride
It's not our shame!

Just one more thought
I'd like to pose
Before I
go back to prose

Future Work

I look forward to the next ten years
As we explore those upper tiers!



I look forward to the next ten years
As we explore those upper tiers.

So many thanks for lending me your ears
I'll see you here again In ten more years