



Web 2.0 for Portals

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[Klaus Birkenbihl, W3C](#)

Introducing World Wide Web Consortium (W3C)

“To lead the World Wide Web to its full potential by developing protocols and guidelines that ensure long-term growth for the Web”



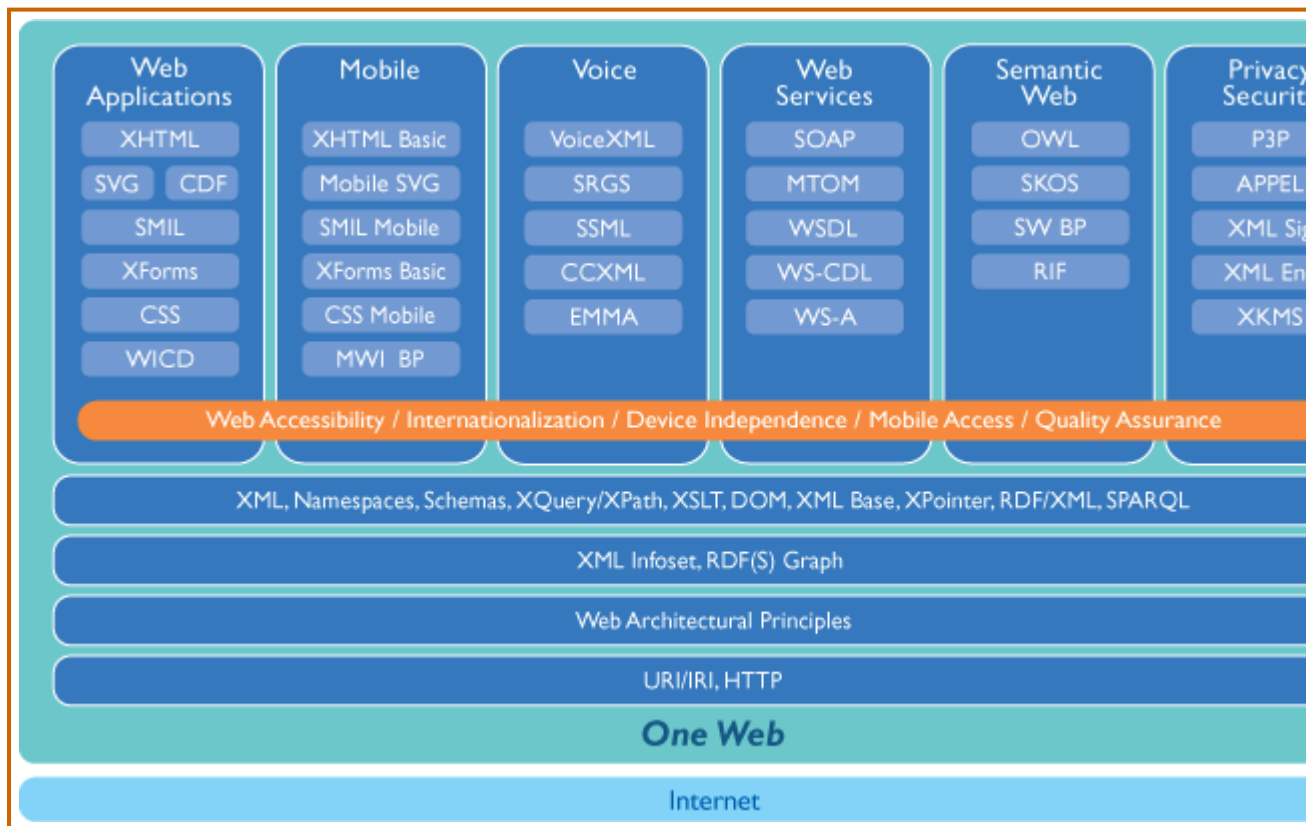
- Founded by Tim Berners-Lee in 1994
- Develops open Recommendations (Web Standards)
 - *over eighty so far...*
- Engages in education, outreach, tools, develops guidelines...
- A neutral forum for building consensus around Web standards

W3C's Long Term Goals

- **Web for Everyone**
 - *regardless of language, user capabilities, geographical location, device used for access,...*
- **Web on Everything**
 - *not only PC-s, but Phones, PDA-s, Television,...*
- **Knowledge Base, Advanced data searching and sharing**
 - *information for both human and machine processing*
- **Trust and Confidence**
 - *technologies for collaborative environment*
 - *a Web with accountability, security, confidence, and confidentiality*



The W3C Technology Stack...



Portals

- portals are catalogues
- *mostly manually maintained*
- *responsibility of a small group of people*
- *often targeted to a special audience*
- *covers content owned by the portal and other content*

Useful Web 2.0 features

- *RSS*
- *Tagging*
- *Microformat (or better RDFa or GRDDL)*

Competing approaches

- *Forum/News group*
- *Wikis*
- *Bookmark collections (e.g. del.icio.us)*
- *Blogs (?)*

What is the fuzz about?

- *the Web as a collection of documents*
- *documents contain data*
- *data reuse?*
- *machine readability (microformat enough? Think of all the databases we saw today!)*
- *communities and users can provide and access data*
- *microformats provide data - RDF/OWL (RDFa/GRDDL in (X)HTML)is much more powerfull*
- *tags provide a means of classification - URIs can provide more semantics*
- *RDF/OWL and URIs are the backbone of the Semantic Web*