

# Future of Opera

What can a web browser be and what's about Opera/Presto?

## Possible application areas of a random browser

Entertainment software (→ youtube disco, online games)

Web developing tool (debugging facilities for web pages, JavaScript etc.)

Application hoster (NodeJS interface for BeagleBones, GoogleDocs, OwnCloud, Etherpad)

Simple web site display (Wikipedia, Webcams, Restaurant presentation sites, Newspapers)

Complex web site display (Webmailer, Programming specs, Pizza ordering service, Discussion channels)

Part of a smartphone (display engine for the smartphone program's outputs)

Web site management (Batch download, Archiving, Manual availability control)

Public web kiosk

Presentation program

Educational object (for students to see how large software projects appear in source)

## Possible ideational features of a random browser

- Standard-Conformance Information, Security information
- Detailed Version Enumeration, Long-Term availability of old version downloads
- Security (real-life threats when using the browser) (privacy, encryption, buffer overflows, )
- User-Mistake-Avoidance – don't oppose the user to situations where he/she easily can misconfigure big parts of settings or where he/she will be insecure on the web.
- Configurability – per site
- Speed – (~real amount of cpu cycles and user [that one sitting in front of the screen] time when fulfilling a task)

- Economical Resource Allocation – a: use few resources and b: show which website uses how much resources
- Coolness – E. g. have the cutting-edge feature at first (amongst many others)
- Everywhere's companion – availability on many operating systems, exchangability of the configuration files.
- User Control on (foreign) websites – the ability to be “creative” with foreign websites, e. g. reprogram them by User JavaScript.
- Ergonomic – doesn't hurt the user
- Openess and Directness – don't hide information which would be easy to display and try harder to provide the information which is not easy to display

## And what about Opera Browser?

My personal opinion is the following, for any browser in general and for Opera/Presto in particular:

Most important thing is to let the user to be able to go around the web without being subject to privacy and integrity threads. → From this requirement you can deduce the Openess/Directness/Information ideational features.

Also important is the pretty display of websites (→ Standards Conformance), the web site management, the economical use of resources and the user control on websites → From this requirement you also can deduce the Openess/Directness/Information ideational feature.

Not important is the work as entertainment center or for too complex websites/applications. Also not important is the Smartphone topic as on Smartphones the most important topics (privacy, integrity and creativity) have been driven irrelevant systematically. Also not important is the use as web kiosk and as presentation program (even though that were interesting approaches).

A side effect of the leaked source is the fulfilling of the educational interest.