

Web Offline Client

For accessing data offline on mobile devices

Have you ever had the problem of accessing data when on the road or at plant locations where stable connectivity is no more than wishful thinking?

Do you want to get rid of native Apps which are different on each device type (iOS, Android, Surface) and are therefore, not only non-customizable but also slightly differ in their behaviors?

The Power of HTML5

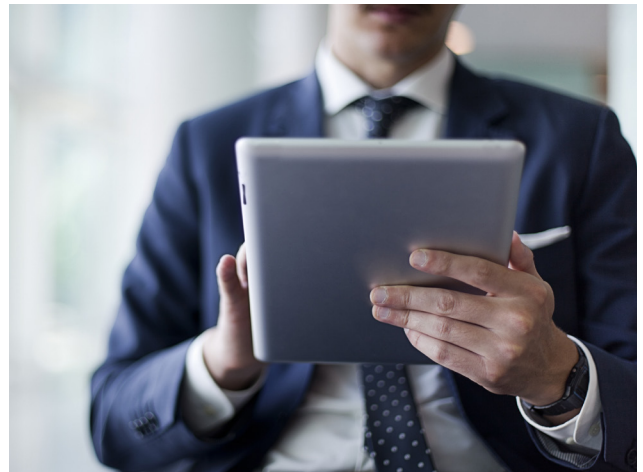
HTML5 provides us with many technologies for creating complex scenarios which were – in the past - reserved for fat clients only.

Nowadays however, with UI frameworks like Angular and many additional browser technologies, applications with a full set of features can be easily implemented. Such Web applications can be enriched by technologies such as Progressive Web Applications and IndexedDB with complex offline capabilities. Although we are still talking about Web applications, the corresponding HTML, CSS and JavaScript files can be accessed offline. In addition to that, the Web application is able to store data in a local browser database dedicated to the corresponding Web application. Most offline requirements can be handled with these, both, technologies.

Our Web Offline Client

Our Web Offline Client is a pure HTML5 application. It is designed to be lean, responsive and is intended for pure read-only access on mobile devices of different vendors. For authoring tasks, the out-of-the-box Web client of the corresponding platform is intended to be used - like D2 for Open-Text Documentum or the Web UI for Microsoft SharePoint Online - but then preferably on desktop / laptop systems.

The Web Offline Client basically supports executing saved searches and viewing the attributes and content of documents.



Key Facts

- Based on pure HTML5: no rollout of client components needed
- Intended to be lean, therefore focused on read-only access
- Storing result sets of queries for offline access
- Storing file content for offline access
- Expire data inside offline storage after a certain time period without connecting to the Web server again
- Warning if offline data is displayed
- Refreshing offline data automatically when connected again

Most Popular Use Cases

- Reading Standard Operation Procedures (SOPs) or other technical documentations while visiting a plant
- Having presentations or marketing material with you while visiting vendors, customers or colleagues

In order to offer the offline capabilities, the following elements are stored on the device storage:

- the HTML5 application itself
- the result set of the last executed search
- selected file content
- basic document attributes

The following features are in place to avoid that outdated data is used:

- indicator displaying whether the device is in offline or online mode
- warning if data is displayed in offline mode
- purging of offline data which is older than a configured period of time
- refresh offline data when connected / in online mode

Either Offline or Online ...

Don't hesitate to contact us, either offline or online, to discuss your own use case and how having data available offline can benefit your business...

The architecture is depicted in the following graph:

