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WebPODS: web gateway and HTML/CSS widgets

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There is an increasing interest to access data coming out of the control system through web technology. Use cases includes the integration with other web tools, applications on tablets/devices, office network live reports/status and off campus access for monitoring beamlines. WebPODS aims to provide a specification based on HTTP/WebSockets/JSON to access the data, a server implementation to act as a gateway, a javascript client library, a set of pure HTML/CSS widgets to display such data and a Java client library. The server utilizes DI-IRT as the connection layer, the same engine used in CS-Studio, and therefore makes already available a broad set of functionality (e.g. support for different protocols, formulas, ...). As the project has completed its first official release, we go through its status, its functionality and its future.

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