

VistA on FHIR

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The CareWeb Framework is an application development framework for building complex, richly interactive, web-based applications in a highly modular and extensible fashion. Its Clinical Abstraction Layer leverages the FHIR specification to support the creation of clinical plugins that can interoperate with any FHIR-compliant data provider. In order to enable VistA as such a data provider, I created a generalizable serialization framework that provides support for the DSTU1 and DSTU2 draft specifications of FHIR, both XML and JSON formats. The serialization framework is table-driven and can easily be extended to support a variety of formats.