

PV 3.0.0 SDD

Mobile Application System Design Document (SDD) Addendum

The System Design Document (SDD) is a dual-use document that provides the conceptual design as well as the as-built design. This document will be updated as the product is built, to reflect the as-built product. Per the Project Management Accountability System (PMAS) Guide, the SDD with conceptual design is required prior to the Milestone 1 Review. The as-built for each delivery must be incorporated prior to the Milestone 2 Review.

****Replace the blue instructional text in the various fields and tables below****

Mobile Application Information

Project Increment / Release Designation: **3.0**

Product Version: **3.0**

	Veteran	Care Giver	Provider	Public
Intended Audience for Mobile Application			X	

Question	Yes	No	If Yes, what information / data	If yes, then identify any consumer or source system(s) for the data
Does the user enter information or data into the mobile application?	X		Progress Notes	Patient Viewer Services
Does Mobile Application store information or data entered by the User? If yes, where is it stored?	X		Progress Notes	Patient Viewer Services
Does Mobile Application transmit/push data entered outside of the VAMF to VA?	X		Progress Notes	Patient Viewer Services
Does Mobile Application pull data from a VA Database (external to VAMF)?	X		Patient Demographics, Patient Medical records	Patient Viewer Services
Does the Mobile Application store in the VAMF or on the device data pulled from a VA Database?	X		Patient Information in User Context and recently searched patients	Patient Viewer Services, User Context Service

This application can be classified as one of the following:

Mobile Application Classification (Only one box may be checked)	Mark with X
1 – Very Low: Mobile Application does not use VA Resource	
2 – Low: Read only access to VA Resource(s) (No PII / PHI)	
3 – Medium: Write access to VA Resource(s)	
4 – High: Read and/or Write access of sensitive data to VA Resource(s) (Includes PII/PHI/other sensitive)	X

Patient Viewer is a single page mobile application for staff users. It provides the ability to search and view patients medical records, and write progress notes. Patient Viewer is built using Applet Container SDK and it has dependency on Applet Container 1.1.0. Applet Container is built using HTML5 and MarionetteJS (JavaScript) frameworks as a single page application.

Applet Container and SDK is described at [Applet Container 1.1.0](#). Applet container documentation describes the lifecycle of an app.

Patient Viewer features are described in the [app concept paper](#).

This version of Patient Viewer is composed of the following applets. Features provided by the applet are described in the respective applet PMAS/SDD documents.

1. Patient Search Applet v1.0.1
2. Cover Sheet Applet v1.0.1
3. Vitals Applet v1.0.0
4. Lab Results Applet v1.0.0
5. Documents Applet v1.0.0
6. Medications Applet v1.0.0
7. Radiology Applet v1.0.0
8. Consults Applet v1.0.0
9. Staff View - Consults Applet v1.0.0
10. Task List Applet v1.0.0

Patient Viewer is enabled with the following applet container specific features:

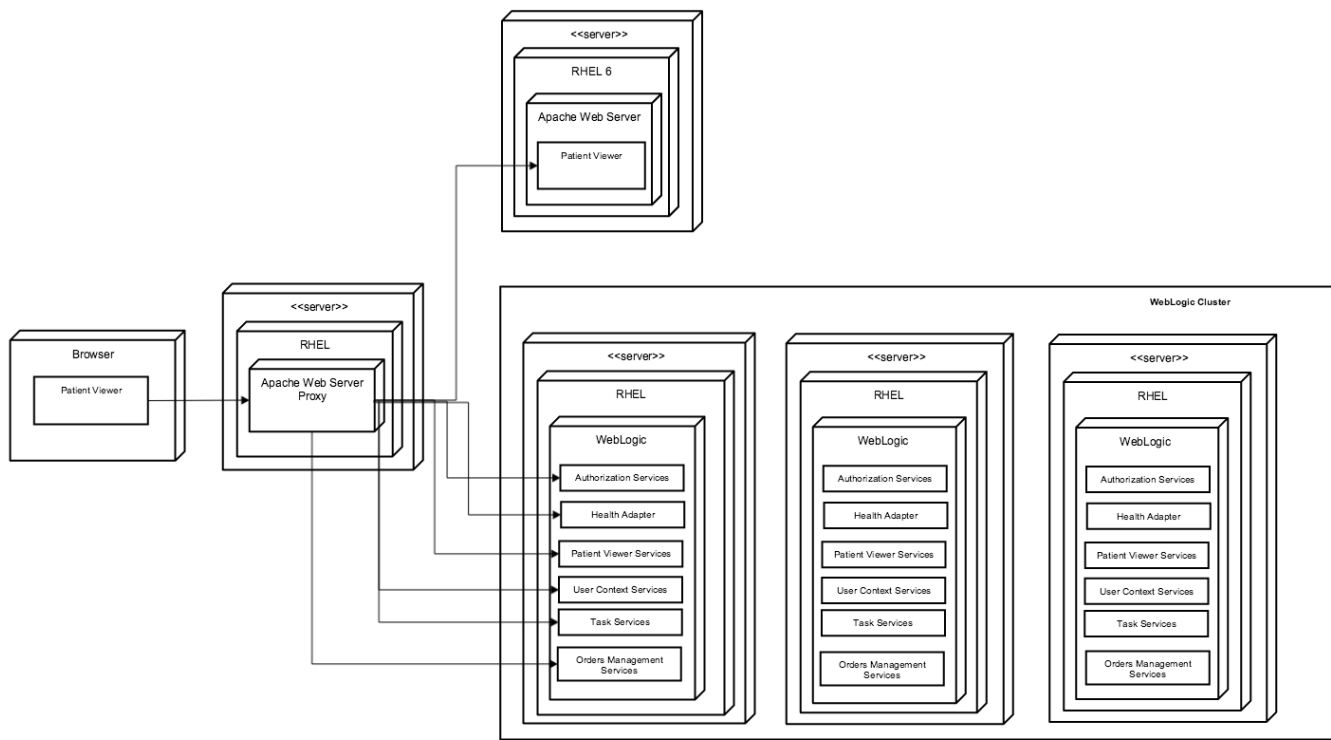
1. Note Writer Widget
2. Orders Viewer Widget

The following applet container features are disabled:

1. Settings
2. Notifications

Service dependencies are defined in the applet container SDD and respective applet SDDs, but they are shown in the deployment diagram at component level/autonomous service.

Deployment Diagram:



Device's OS	Native	Hybrid	Web-Only	OS version supported	Targeted devices (iPhone, iPad, Samsung model...)	Estimated Storage Required for Device
iOS			X	iOS7	iPad	
Android						
Windows 8						
Windows			X	IE9 and above		

Technologies, Libraries, and Tools Used in the App	Version	On the TRM ? (If not, provide a link to the waiver)
HTML5	5	Yes
Backbone	1.0.0	Yes
Marionette	1.1.0	Yes
Handlebars	1.0.0	Yes
momentjs	2.4.0	Submitted; Under Review
jQuery	1.9.1	Yes
jQuery Mobile	1.3.1	Yes
underscore	1.3.1	Yes
modernizr	1.6.2	Yes
requirejs	2.0.0	Yes

Data Architecture

Data Architecture is defined at the applet level.

Laws / regulations that direct the implementation of the app?

NA

Expected concurrent and maximum size of the user base?

User Category	Total Number of Users	Concurrent Users
Providers	1000	200

Interface Design

Described in the applet container and applet SDDs.

Traceability

Refer to applet container and applet SDDs.

Developer & PM Contact Information

Developer Name/Point of Contact (POC)	VA E-Mail Address	Phone Number
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