VA OSEHRA Scheduling (VOS) Third Place Scheduling Contest Solution

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About Parsons Institute for Information Mapping



Founded in 2002, PIIM is a Research Institute of The New School in New York City

Expertise in information categorization, knowledge representation, information taxonomy development, information logic and ranking/scoring, knowledge visualization, and Graphic User Interface (GUI) and User Experience Design (UXD)

The VA-OSEHRA Scheduling "Challenge"

An open contest for an Enterprise Medical Scheduling solution

About the Contest

- VA commissioned OSEHRA community to manage and evaluate an open source contest
- Awards announced, up to three winners of up to \$3M each
- Objective was to demonstrate medical scheduling capabilities working with VistA
- Strong emphasis on open source, open systems, and open standards
- 300 requirements identified in solicitation; ~240 were "pass-fail" evaluation points
- 6 month window, in January 2013 with submissions due in June 2013.

The HP Open Community Team is Established

A rich team emerges...

- An open community based on OSS principles and "meritocracy"
- Allow anyone to join the team based upon the merit of their contribution
- Build an architectural proof-of-concept
- Focus on long-term project needs and not feature/function priorities (e.g., SOA)
- Commitment to donate any prize proceeds to a Veteran Service Organization
- We at PIIM joined the team to offer our expertise and learn from the knowledge and experience of other's in the community



A rich team emerges...

- Community interest and uptake was tremendous
 - Approximately 8 organizations joined within the first few weeks
 - Many community members were companies who had never worked together before
 - Commitment to donate contest proceeds was not a detractor
- We were slow out of the "starting gate"
 - Problems with delivery leads, personnel swapping, establishing roles and processes
 - Took us some time to determine how to execute the meritocracy
- We hit a stride
 - Processes were established along with a community culture of trust
 - Team executed based upon internal stakeholder priorities; became a high functioning team



An open contest for an Enterprise Medical Scheduling solution

Functional View

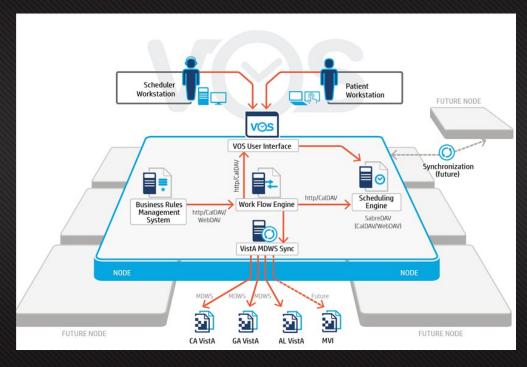
- Reviewed contest functional requirements and prior VA Scheduling documentation
- Reviewed GAO and other external sources
- Identified key pain points ("Big Rocks") most affecting long-term
 VA success in this space
 - "Truth in Scheduling" an authoritative source
 - Support medical home, telemedicine, and non-human resource scheduling (e.g., rooms and equipment)
 - UI/UX enhancement
 - Addressing the timezone challenge
 - Inherent flexibility to adapt to policy and business rules



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Technical View

- Emphasis on open architecture, open source, and mature standards (CalDAV)
- Establish SOA Scheduling Service with reusable / leverageable infrastructure
- Provide business rules engine, workflow engine
- Node-based implementation to allow for deployment flexibility
- Support for role-based system behavior
- Web-based implementation in n-tier environment en route to cloud/mobile device support
- One-way sync (write) to legacy VistA
- Demonstrated use of off-the-shelf COTS client against VOS back-end (Mozilla Sunbird)





Winning feels good and giving feels even better

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\$350,000 - Iraq and Afghanistan Veterans of America (IAVA)

\$150,000 - Disabled American Veterans (DAV)

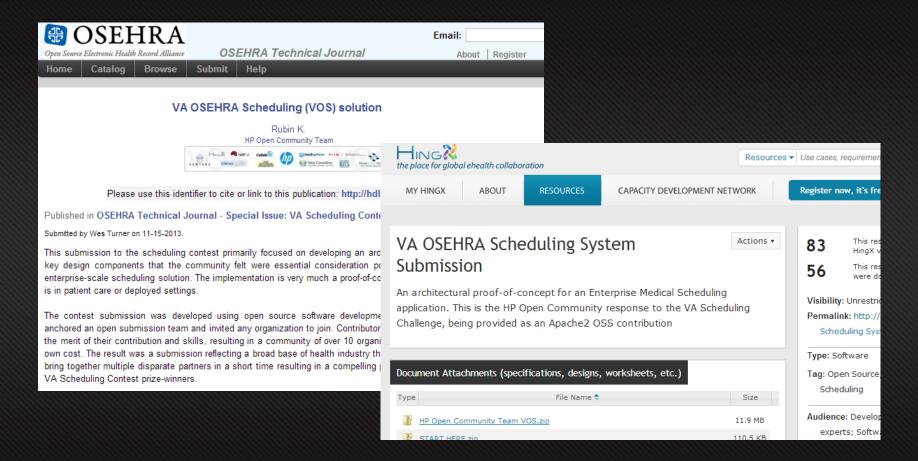
\$10,000 - Fischer House

\$10,000 - Paralyzed Veterans of America (PVA)

"HP has a long history of helping U.S. military veterans through community outreach events, sponsorships and employment opportunities. This contribution reinforces our commitment to serving and honoring America's veterans by ensuring they have direct access to programs, services and innovative solutions to meet their needs." Don Picard Vice-President, Federal Healthcare HP Enterprise Services



For More Information:



http://hdl.handle.net/10909/98

http://www.hingx.org/VOS Scheduling System