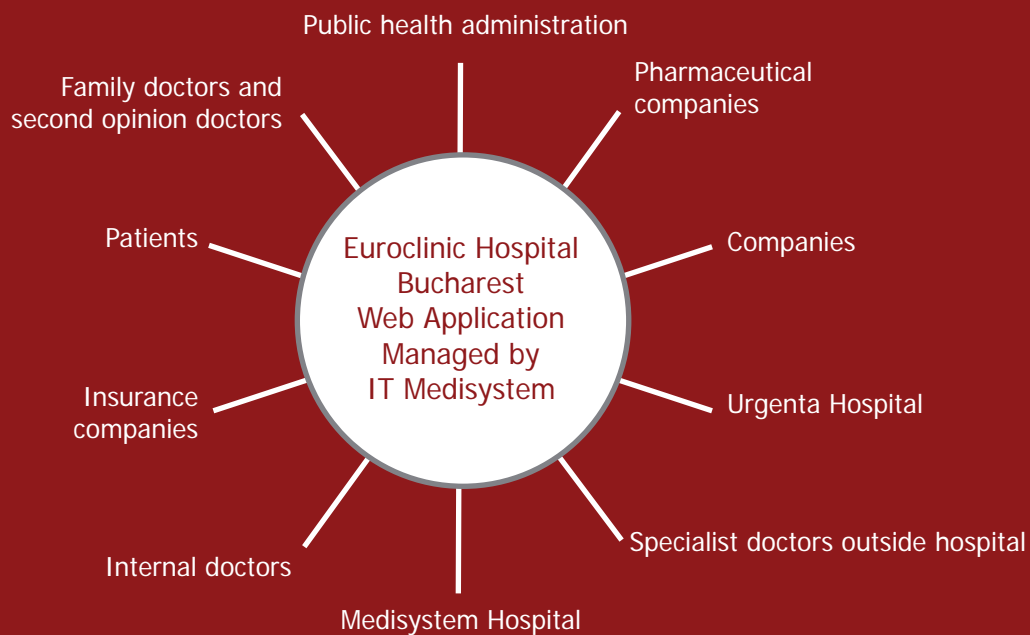


Service Oriented Development In a Unified fraMework

Pilot - Medisystem Hospital Bucharest



Problem

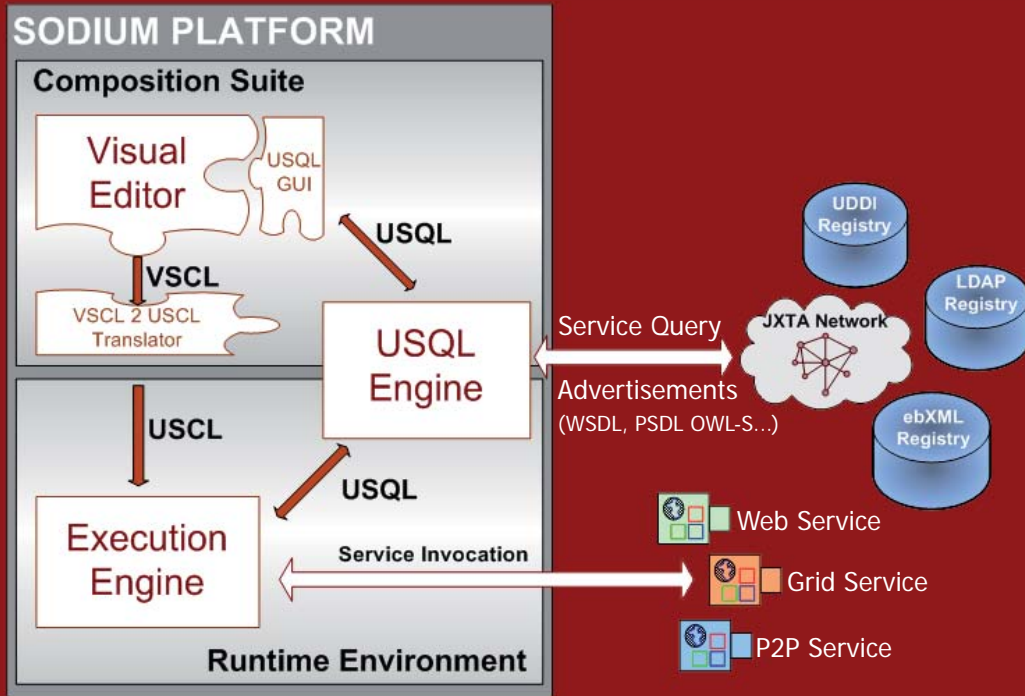
- Need unified access for insured patients to data provided by different web pages and related web services such as that provided by the Insurance company and by the Hospital
- Need to reuse services available for internal doctors to provide processed and filtered information for discharged patients
- Need to use web service provided by business partner (Laboratory test results) in conjunction with Medisystem owned web services to create new combined web service
- How to simply and faster integrate Web , P2P and Grid services from business partners with available Medisystem owned web services to facilitate the development of new and more complex services to comply with fast changing needs as those of the Health Care environment

SODIUM Solution

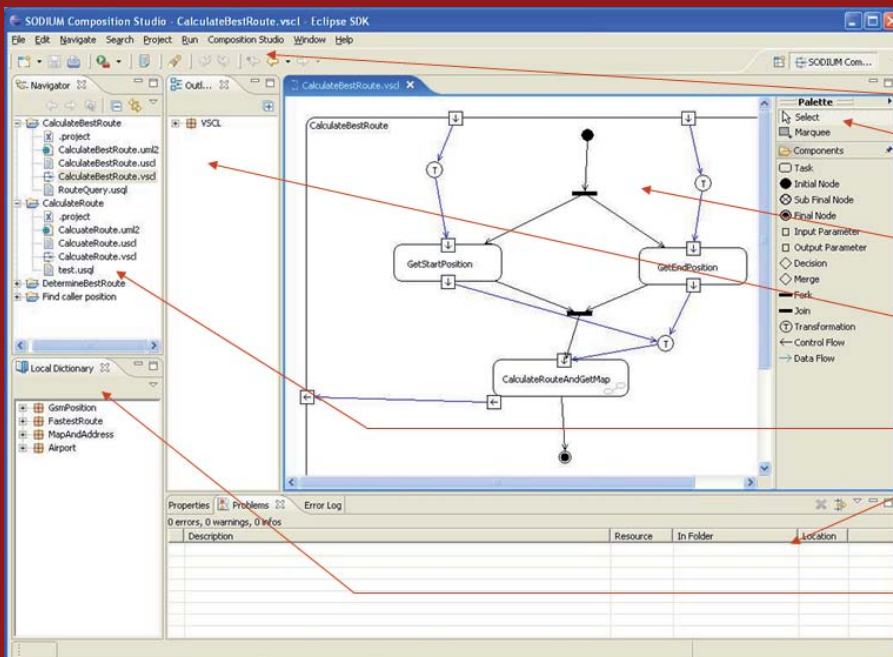
- Sort out the access to the secured services – when required
- Search for suitable and available services (of type Web, P2P and Grid) by using the SODIUM USQL Engine plug-in to query the registries based on ontologies, QoS, provider etc
- Use the SODIUM Visual Editor plug-in to visual compose new service to fulfil new needs and on existing services and on discovered services, including those discovered at run time
- Use a single SODIUM component to develop web services by using in similar manner Web, P2P and Grid services
- Run and publish the newly developed service by using the SODIUM USCL Engine plug-in
- Store compositions and related older versions by using the SODIUM Repository



SODIUM Platform Architecture - Overview



VSCL Editor – prototype screenshot



- Composition Studio menu
- Palette with available model element types
- Visual editor with the composition
- Tree view of the composition
- Eclipse project view
- Property view of the currently selected model element
- Local dictionary with imported services, service operations and data types