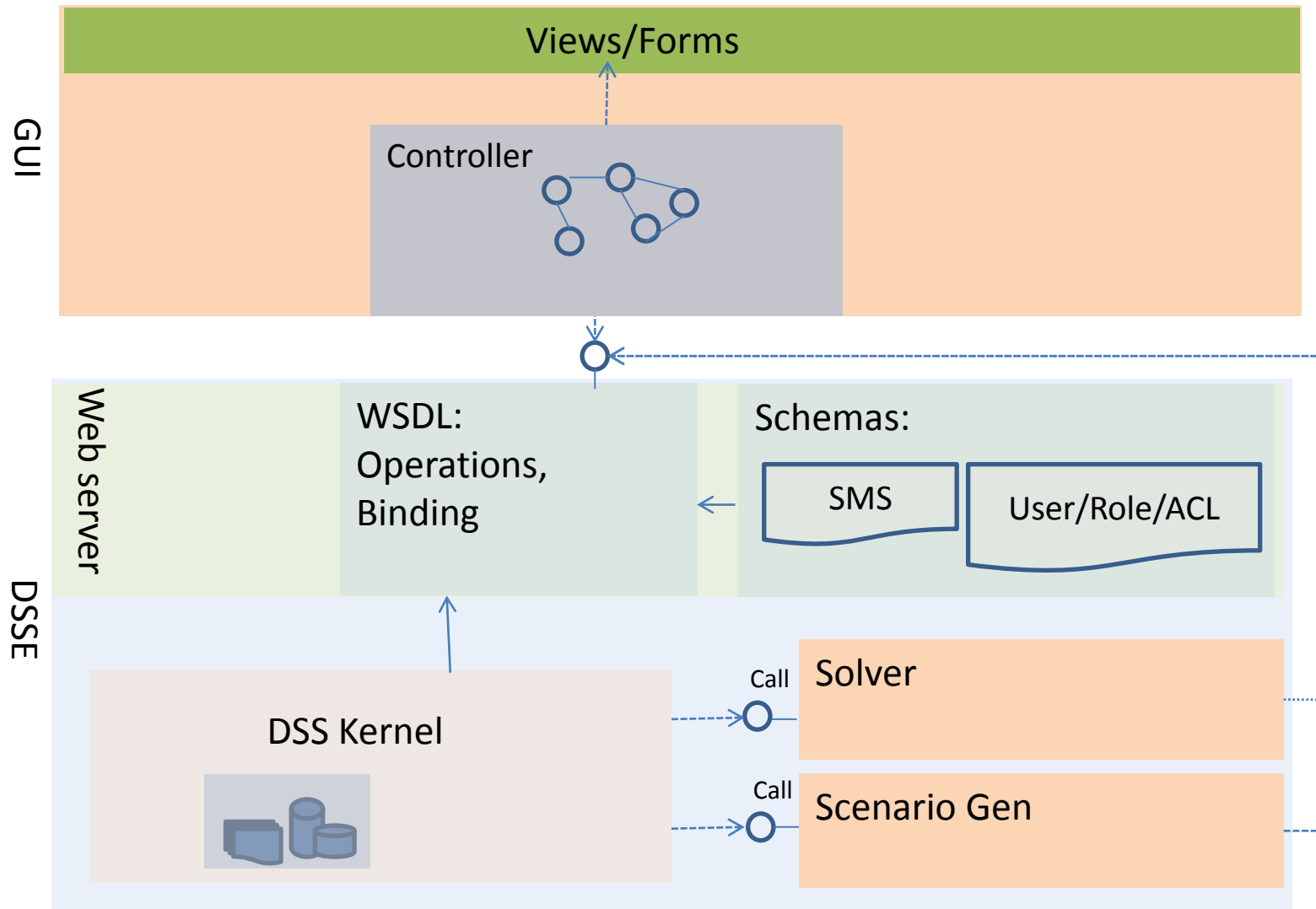


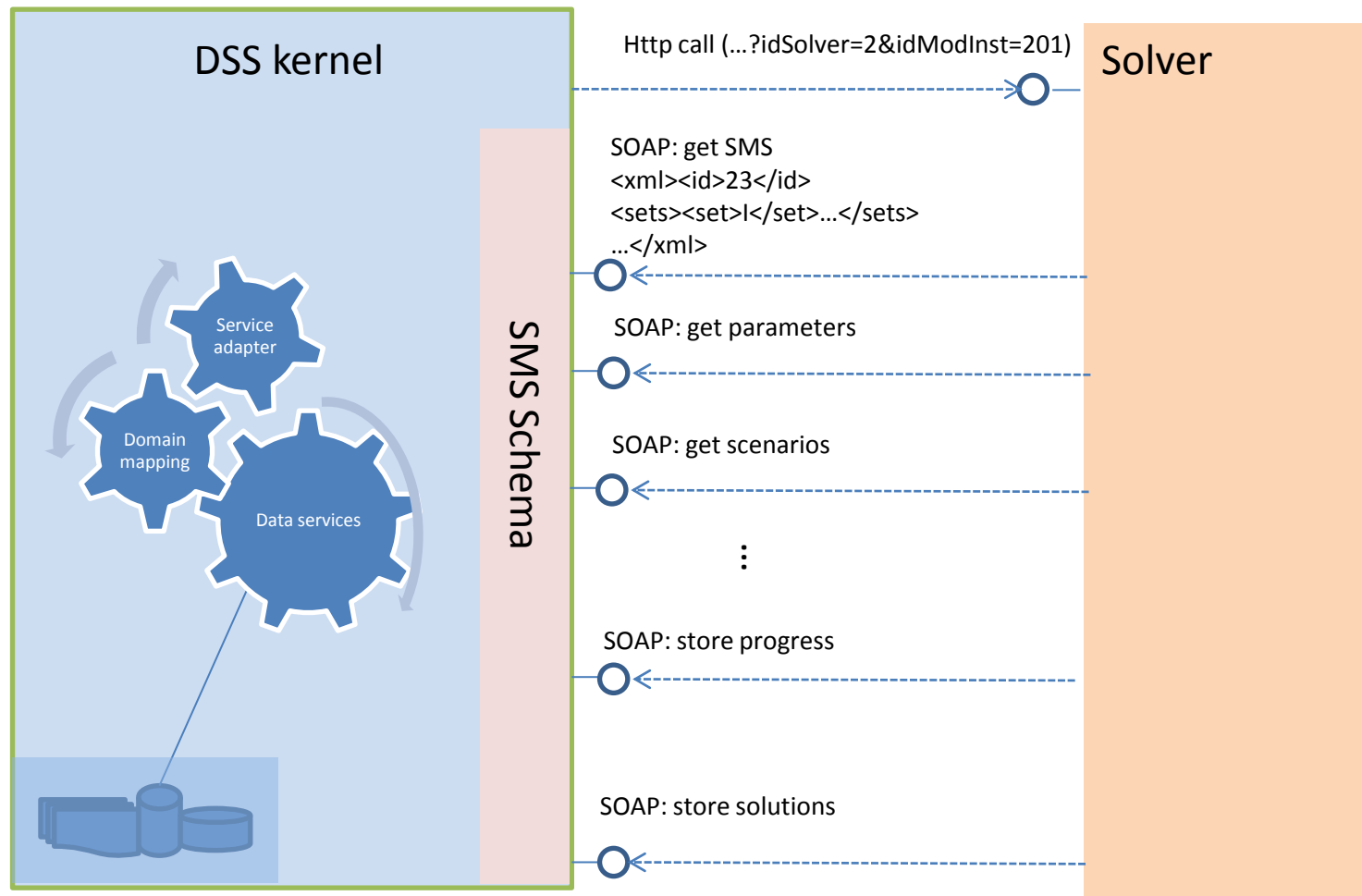
Proposed Architecture of Enrima DSS

Hongtao Ren, Marek Makowski

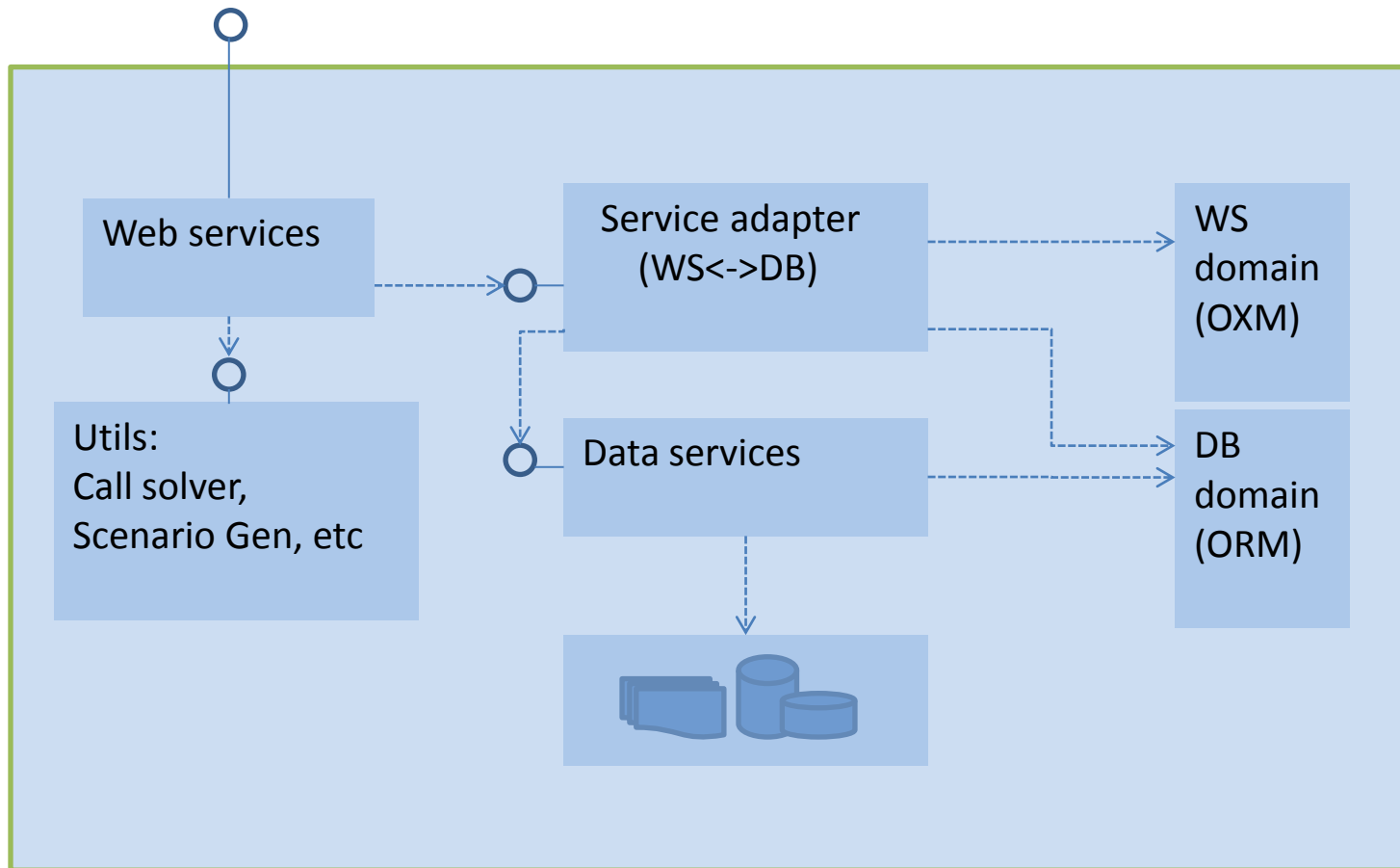
Architecture (Overview)



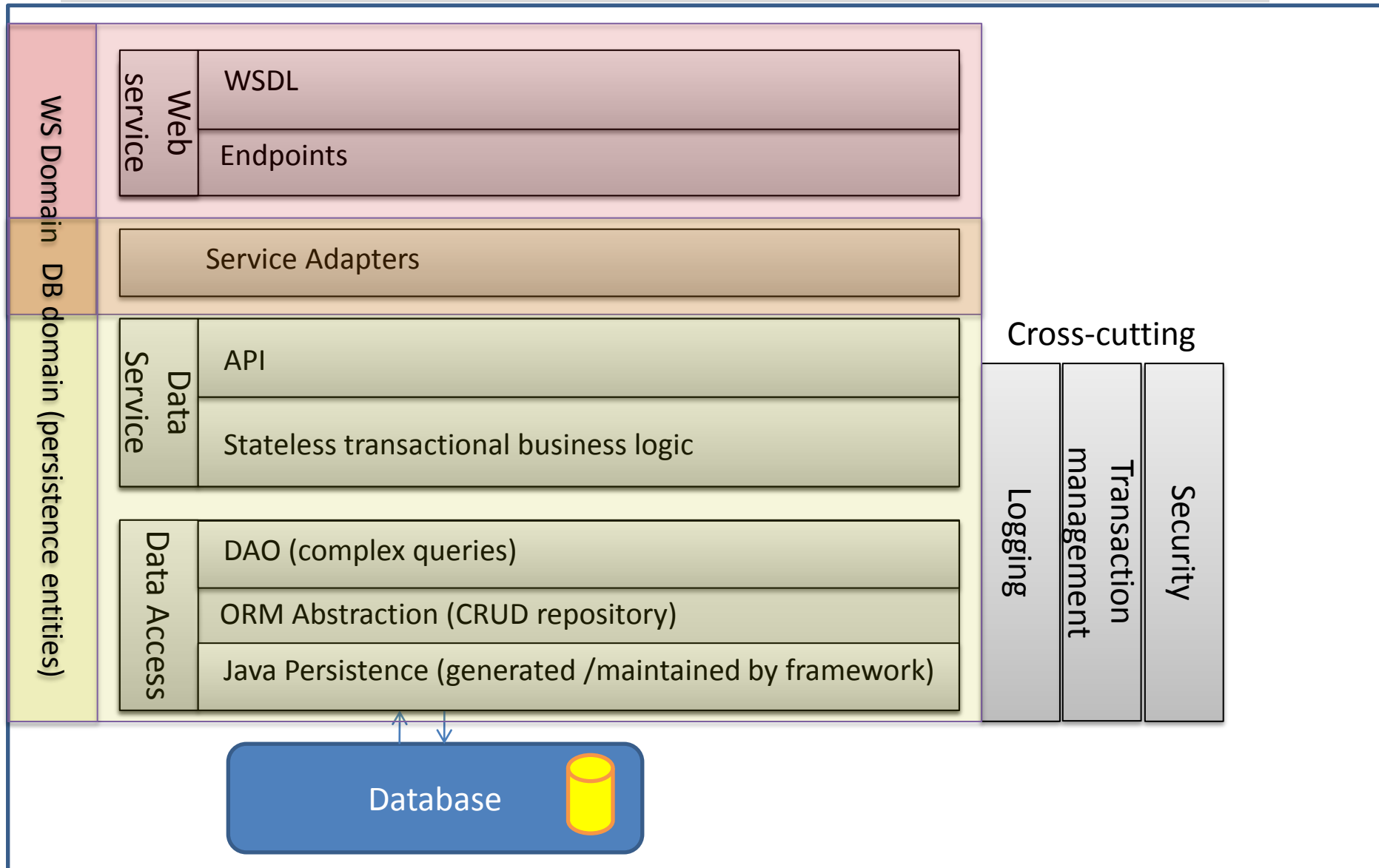
Protocols between DSS kernel and solver



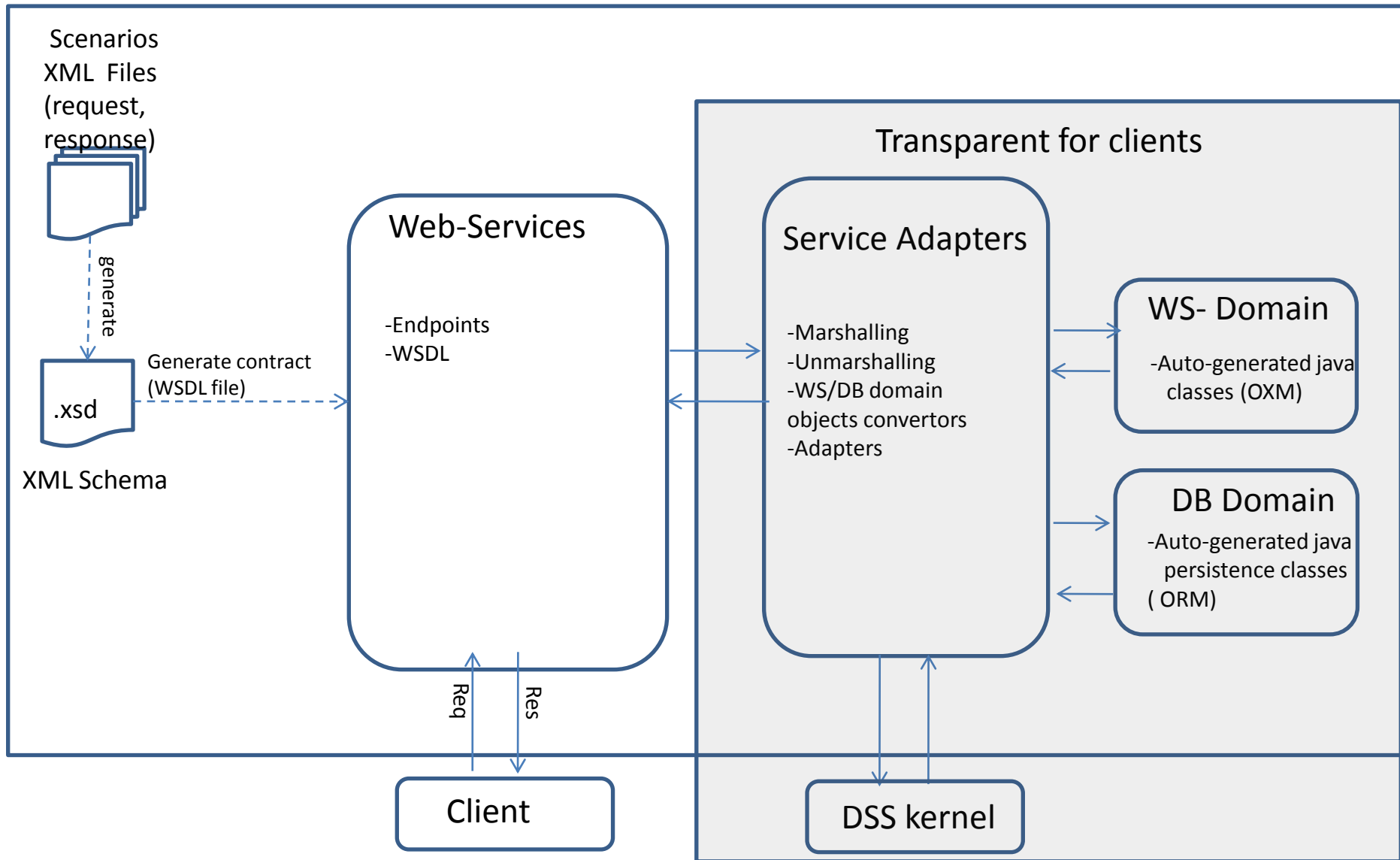
DSS kernel components



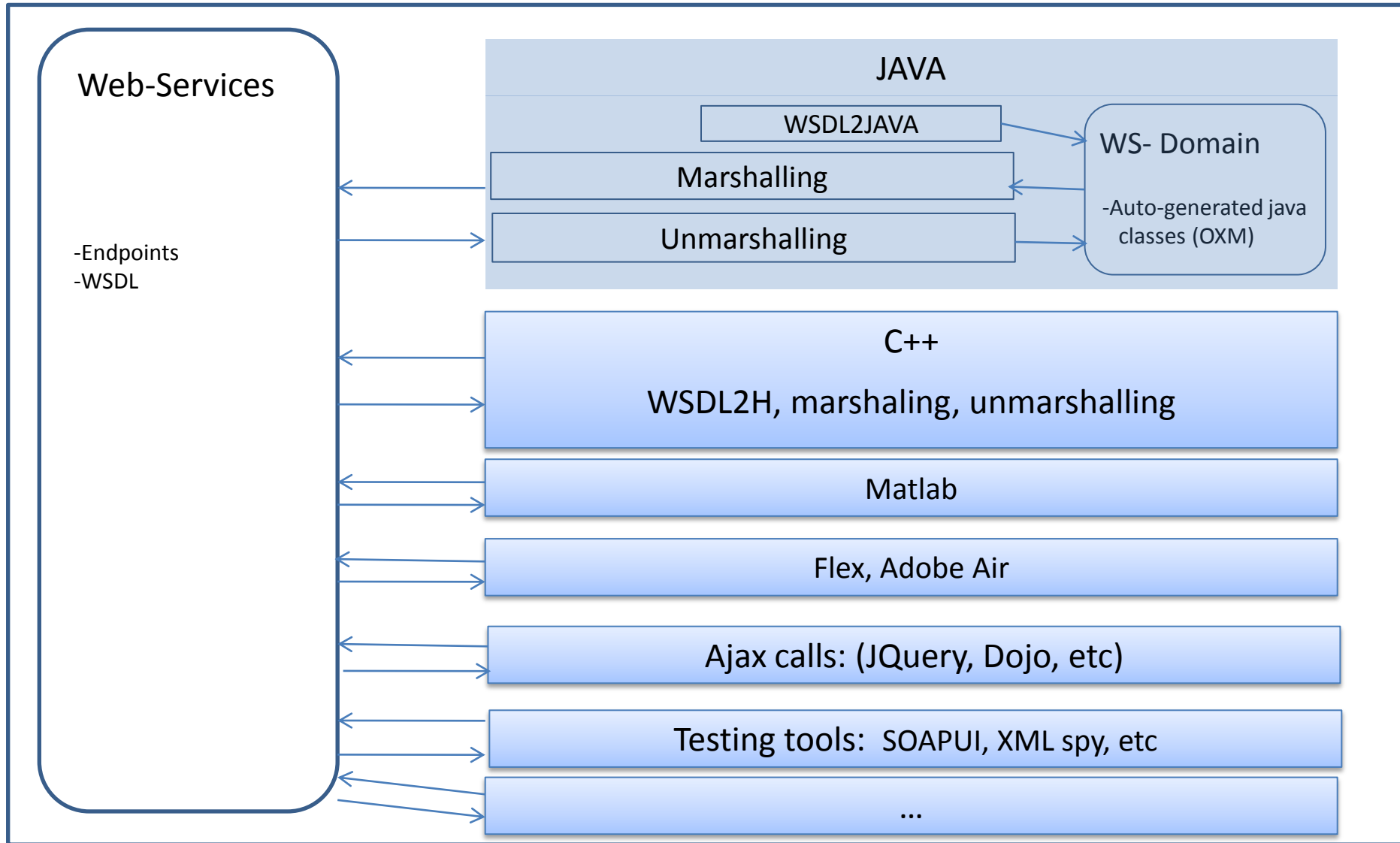
DSS kernel layers



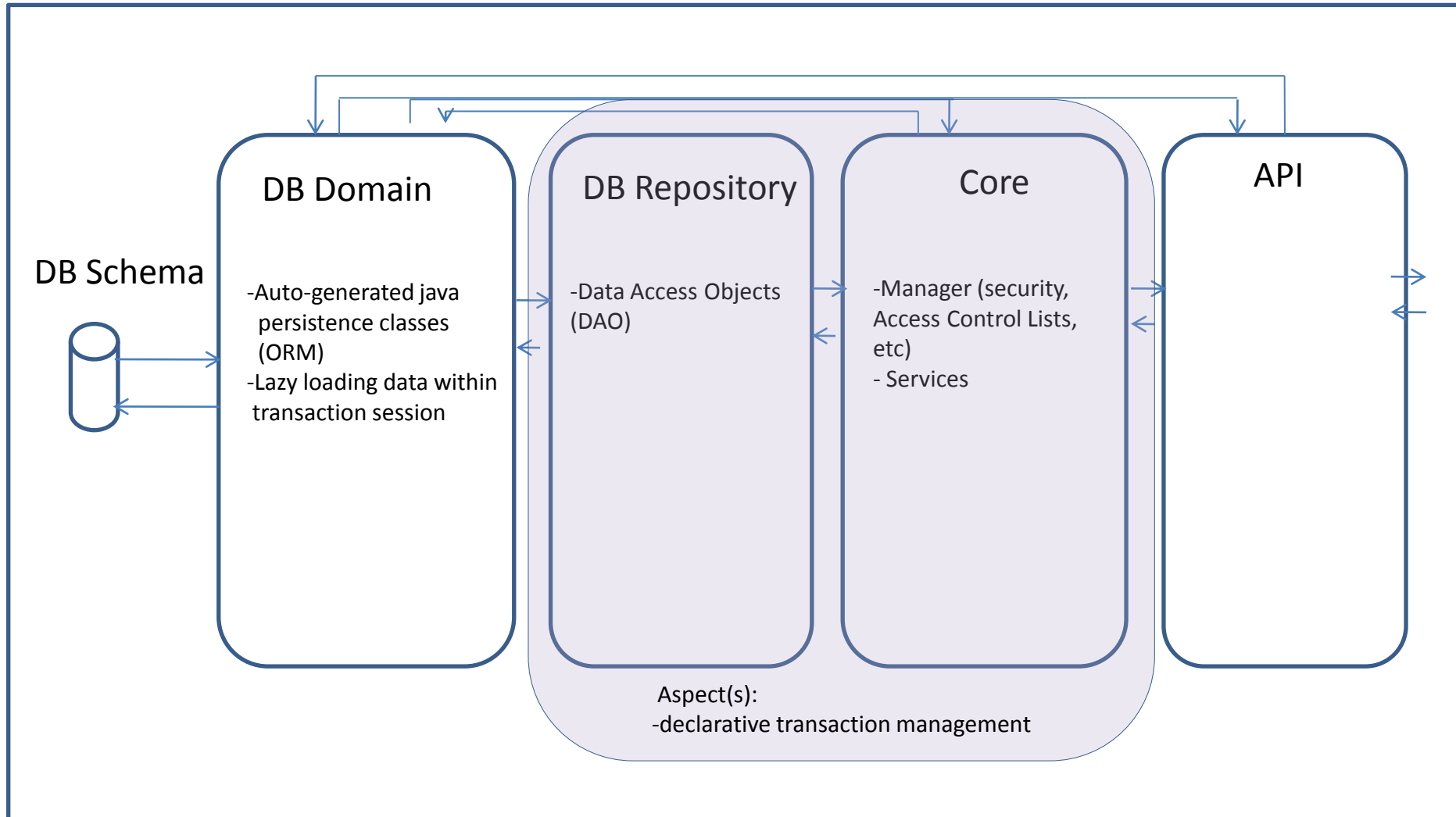
DSS Web-services



DSS kernel clients



DSS kernel (transparent for clients)



Summary

- Modularity: heterogeneous (software & hardware) DSS components
- Integration of components through web-services (common XML schema)
- Web-services provided by the DSS kernel for all components
- OOP tools for the interface, classes generated automatically for the XML schema
- XML schema changes decoupled from DB structure
- Common SMS and XML-based protocols support flexibility and data consistency
- DB structure independent of XML schema, and transparent for components
- Multi-layer structure of DSS kernel, based on public domain technology.