

Service-Oriented Architecture: Just CORBA with Angle Brackets?



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Trends in Service-Oriented Architecture

| | <u>Early CORBA</u> | <u>Late CORBA</u> | <u>Early SOA</u> | <u>Late SOA</u> |
|-------------------------|--------------------|----------------------------|----------------------------------|-----------------------------------|
| Mechanism | RPC | RPC + Events | More RPC | More Events |
| Middleware | ORB | ORB(s) | WS-* Tools, J2EE | ESB, REST Servers |
| Key Protocols | Proprietary | IIOB | SOAP-over-HTTP, XML-RPC | Proprietary (MOM) HTTP (for REST) |
| Top Concerns | Hide Heterogeneity | Inter-ORB Interoperability | Standards-based Interoperability | Integration |
| Agency Focus | One or Few* | One or Few* | Many | Both |
| Performance Expectation | Like a Local App | Some Real-Time | Predictable | Predictable+ |
| Orchestration | Manual | Manual | (SOAP Routing) | Workflow Languages |
| Meta | Some | Some | More | More + Support |

