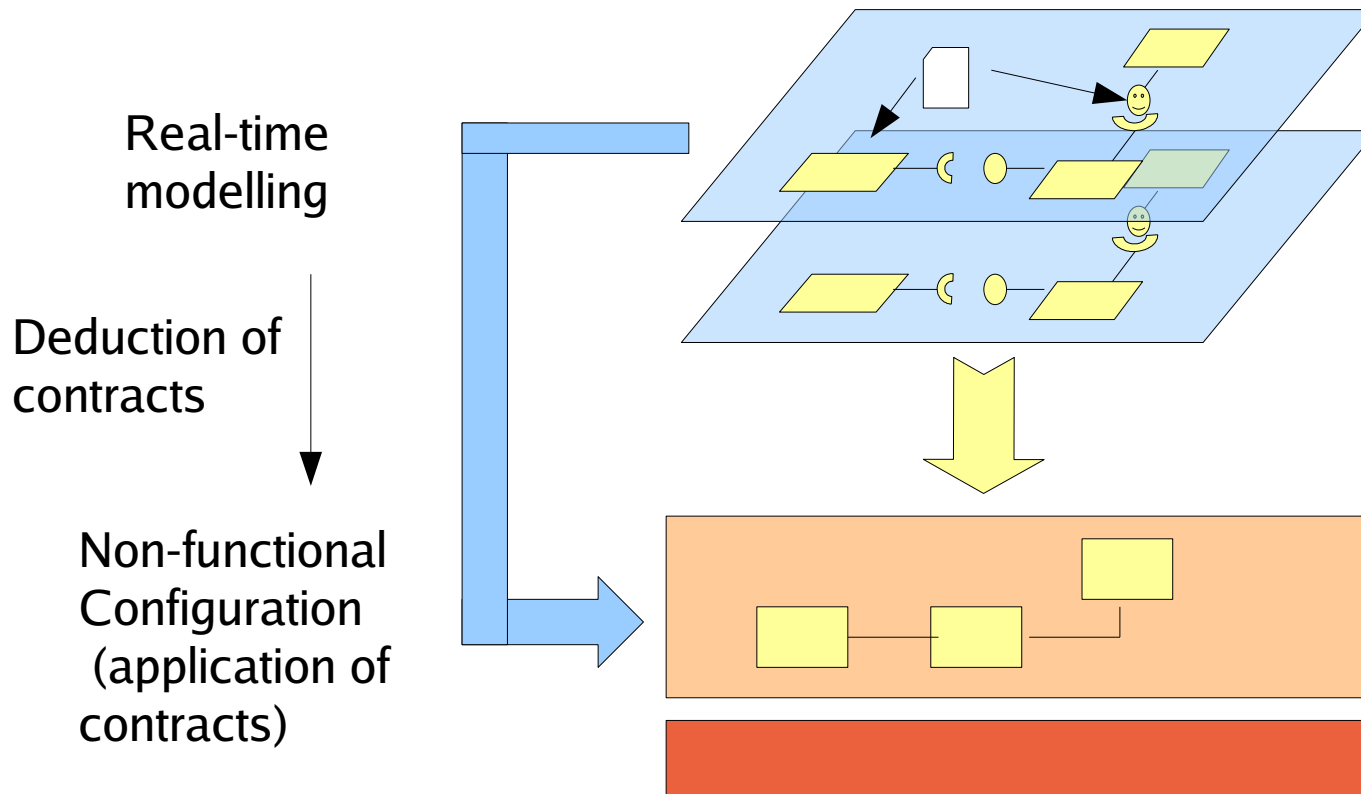


Some overall requirements on component based framework

Joint Artist-2 / IST-Frescor
requirements meeting

RT-C.B.S requirements

- Component based framework, at the convergence of:
 - Modelling and analysis
 - Execution platforms
 - Bridging the gap between them



Component fwk

- Component orientation very good framework to integrate / capitalise work done on both:
 - Execution platforms
 - Modelling and analysis
- Of interest:
 - Real-time scheduling analysis
 - Simulation
 - Performance estimation
 - can be done per component / component assembly
 - Interfacing with base runtime support

Component fwk requirements

- Modularity of the runtime
 - Allow to build Pay as you go runtime (just embed the mechanisms that fit applications requirements)
- Low-footprint / high-performance solution
- Integrate contract negotiation for whole app
 - Implication: identify real-time metadata integration points at modular runtime level
 - Bind executing resources (threads) to component entry points / contracts
 - Integrate it with contract-aware deployment (?)