

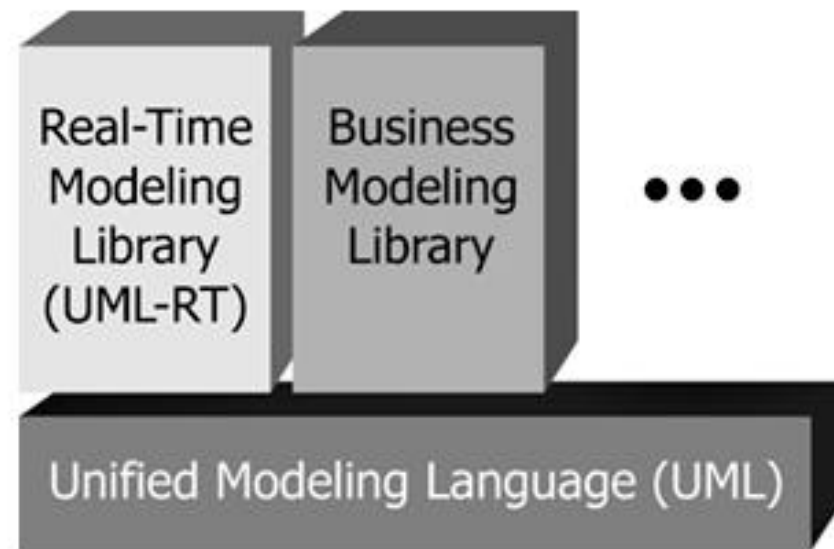
Rose RealTime

History

- ObjecTimeDeveloper is the originator tool
- OTD was originally developed by Nortel
- Bran Selic is one who has been involved from the beginning

Real Time

- UML RealTime in version 2.0
- Bran Selic is participating in OMG



Modellera med Rose RT

- UML specializations
 - Capsules
 - Ports
 - Connectors
 - Protocols
 - Capsule Structure Diagram
- State machines
- Dependencies check (layering)

Rational Rose RT

- The model consist of all code and configuration
- Language, C, C++ and Java
- Approximately 80% of the code is generated
- Team Development, concept to support teams of analysts, architects, and software developers
- Supported target platforms: OSE, VxWorks, NT, ...
- Development environment on Windows and Unix
- Rational Rose RealTime Extensibility Interface (RRTEI) to extend and customize the toolset's capabilities.

Tools for Rose RT

- Web publisher
- SoDA
- C++ analyzer
- Purify
- Connexis
- RequisitePRO

Tools for Rose RT (continued)

- Rational Quality Architect RT
- Rational Test RealTime (Attol)
- Model Integrator
- Source control
 - Rational ClearCase (Windows and Unix)
 - Microsoft Visual SourceSafe
 - RCS and SCCS
 - PVCS (Windows only)

Future (my guess)

- Rose and Rose RT migrates
- Static code analyzing tool
- RUP adopts for RealTime.
- SoDA for FrameMaker+SGML

Literature

- Real-Time UML Second Edition, Bruce Powel Douglass
- Doing Hard Time , Bruce Powel Douglass
- Real Time Object-Oriented Modeling, Bran Selic, Paul T Ward, Garth Gullekson