



Module 9 - Tools for architecture development

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Tools for Architecture Development



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Learning Objectives

- § **Need for Tools**
- § **Tools landscape of today**
- § **Challenges and issues**
- § **Tools interoperability & interchange**

Tools for architecture development



- n **Need Architecture modeling tools**
- n **Requirements of Architecture modeling tools**
- n **Tools market place**
- n **Selecting the right tool (s)**



Tool requirements ₁

- n Support for Enterprise Architecture Frameworks**
 - Ø TOGAF, Zachman, EAP, FEAF, TEAF**

- n Support for Business, Technical, Application and Data Architecture modeling**
 - Ø Org structures, budgets, reporting, network diagrams**
 - Ø Application and Data modeling**



Tool requirements ₂

n Usability

- ∅ Model Development Interface**
- ∅ Multi-user access**
- ∅ Tool Automation**
- ∅ Customization**
- ∅ Methodology adaptation**



Tool requirements ₃

- n **Integration with System Architecture tools**
 - Ø **Does it integrate with Rose, Erwin, Visio, DOORS**
- n **Vendor stability**
 - Ø **Long-term viability**
 - Ø **Market share**
- n **Vendor Support**
 - Ø **Local Support**
 - Ø **Online Support**
 - Ø **Support quality**
- n **Cost-effectiveness**

How do we select the right tool



- n Need to determine which methodology you are using first**
- n Consider using more than one tool**
- n Draw up list of mandatory and desirable requirements**
- n Draw up short list of tools**
- n Carry out research and hands-on evaluation to provide scores**
- n Final selection**