

One Fact Community Engagement



May 2017

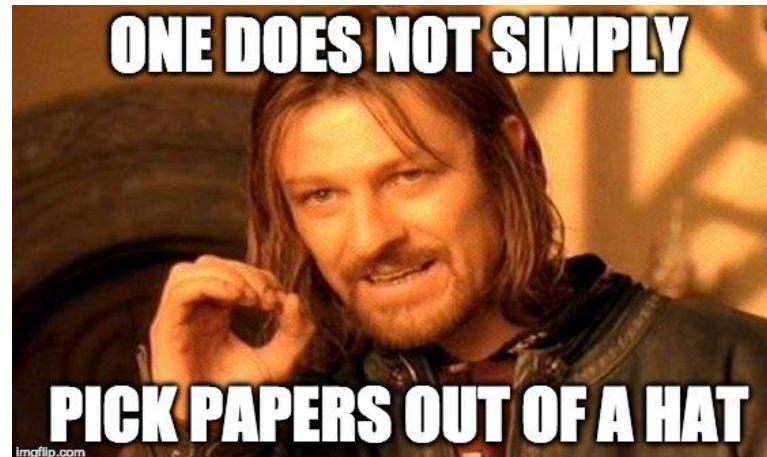
Conferences

- Ericsson Modeling Days 2016, Kista (*presentations*)
- EclipseCon Europe, Ludwigsburg (*presentations*)
- MODELS 2016, Saint-Malo (*paper, presentation, EXE program committee*)
- xtUML Day 2016, Linköping (*host, presentations*)
- EclipseCon North America, Washington D.C. (*presentation*)
- IEEE HKN Student Leadership Conference, Purdue University (*panel member*)
- Business Expo, Lafayette (*panel member*)
- Verge, Lafayette (*guest speaker*)



Upcoming

- xtUML Day 2017, UK
 - host
 - presentations
- MODELS 2017, Austin
 - EXE program committee
 - MDE program committee
 - paper



Public Papers / Presentations

xtUML: Current and Next State of a Modeling Dialect

Shlaer-Mellor Object Oriented Analysis 1988-2016+

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Abstract— xtUML and its Papyrus-xtUML (BridgePoint) tooling have advanced further in the last two years than in the ten preceding years.

Acceleration in usage and improvements in tooling have been fueled by the open source software (OSS) ecosystems of Apache, Eclipse and Papyrus. Development teams have transformed from licensed users into user-contributors.

Executable Translatable Unified Modeling Language (xtUML) is descended from Shlaer-Mellor Object Oriented Analysis (SM-OOA) and has survived the Method Wars, notation unification (UML) and tooling evolution. Sparse but focused deployment in the embedded control and distributed processing worlds has produced hundreds of years of accumulated application model intellectual property (IP).

This paper summarizes a brief history, current status and future of xtUML. It highlights recent advancements, forward direction, key players, related modeling dialects, architectural migration and implications to the metamodels and compliance with Papyrus Platform, UML2, UML and AIF.

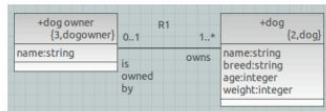
Keywords— xtUML, Shlaer-Mellor, Executable UML, UML-RT, MASL

I. INTRODUCTION

modeling languages and technologies are sharing in these improvements.

II. BACKGROUND

The Shlaer-Mellor xtUML method steps modelers through a sequence of abstract modeling constructs addressing data, control and processing views of systems applications. Data is modeled using class diagrams, control is modeled as state machines and processing is modeled with action language. The order of modeling encourages as much information as reasonable to be captured in data with the exposure of abstractions at the highest possible level. The method is considered object-oriented due to its emphasis on data modeling. This object concept emphasizes relations between



the data abstractions. UML class diagrams provide the

- Persisting Model Data: Metamodel Instances or Human-Readable Textual Syntax?
- xtUML: Current and Next State of a Modeling Dialect (IEEE)
- Comparing UML-RT and xtUML
- A Tale of Two Dialects

Papyrus Industry Consortium (PIC)

- Steering, architecture, and product committees
- Supplier Lead
- Face to Face Meetings
 - Kista, Sweden
 - Washington, D.C.
 - Palaiseau, France



Engagements with Key xtUML People



- Stephen Mellor
- Marc Balcer
- Ian Wilkie
- Colin Carter
- Jordi Cabot
- Francis Bordeleau
- Leon Starr
- Takao Futagami
- Ed Seidewitz
- Yuki Tsuchitoui
- Professors Kayama, Dingel, Meyerhofer, Hisazumi, Akayama



Key Supplier Collaboration



Type**Fox**



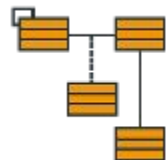
EclipseSource

*n***Meta**



Online Media

- facebook
- linkedin (xtUML and One Fact pages)
- Executable UML group
- onefact.net/blog
- local newspaper
- Jordi Cabot's modeling blog



MOdeling **LA**nguages

Community Support

- xtUML.org
 - Forum
 - Learning course
 - Direct engagement with new users
- [xtUML Public Skype Chat](#)
- Github developer support
 - Simplified Developer Getting Started guide
 - Downloadable ready-to-use VMs
- xtUML.jp



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