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## **Declarative Process Modeling In Bpmn**

Declarative Process Modeling in BPMN 85 In the past decade, several researchers have exposed the limitations of this imperative paradigm in the context of business processes with high variability, such as customer lead management processes, product design processes, patient treatment and

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related healthcare  
processes [17,19].

## **Declarative Process Modeling in BPMN**

Traditional business process modeling notations, including the standard Business Process Model and Notation (BPMN), rely on an imperative paradigm wherein the process model captures all allowed activity flows. In other words, every flow that

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is not specified is implicitly disallowed. In the past decade, several researchers have exposed the limitations of this paradigm in the context of business processes with high variability.

## **Declarative Process Modeling in BPMN | SpringerLink**

sion of BPMN for declarative process modeling, namely

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BPMN-D, and shows that Declare models can be transformed into readable BPMN-D models. Keywords: BPMN, declarative process modeling, Declare 1 Introduction The standard Business Process Model and Notation (BPMN) [13] and related ap-

## **Declarative Process Modeling in BPMN**

Business Process Model and Notation (BPMN) is



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a standardized graphical notation that is used globally for business process modeling. It is open source, which means that the original code is available for anyone to change and use. The specification defines its symbols and shapes precisely. BPMN starts and ends with the business process flow diagram.

**Business Process**  
*Page 9/28*

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**Modeling and  
Notation (BPMN)**

**101 | Smartsheet**

Declarative Process  
Modeling in BPMN

Marco Montali Free

University of Bozen-

Bolzano joint work with

Giuseppe De Giacomo,

Fabrizio M. Maggi,

Marlon Dumas

CAiSE'15 1 2.

Disclaimer for this Talk

Process = Control-flow

2 3. Trends in BPM

modeling • Highly-

variable BPs •

# Get Free Declarative Process Modeling Metaphor: rules/constraints Declarative Imperative modeling ...

## **CAiSE 2015 - Montali - Declarative Process Modeling in BPMN**

Declarative process modeling, by contrast, is referred to as an 'outside-to- inside' approach. In contrast to imperative languages, declarative languages do not

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specify the procedure a priori. Instead of determining how the process has to work exactly, only its essential characteristics are described.

## **Imperative versus Declarative Process Modeling Languages**

...

Someone at BPM 2012 described imperative modeling as:

“everything is illegal

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except the actions explicitly allowed by the process” while declarative modeling is “everything is allowed except those actions that are explicitly prohibited by the model.”

## **Imperative vs. Declarative Processes Models | Thinking Matters**

To find the right template to start from, go to **File > New** and,

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in the search box, type BPMN Diagram. For each step in the process you want to model, drag a shape from the stencil to the page, and connect the shapes as usual. The BPMN specification calls for three types of connectors: Sequence Flow, Message Flow, and Association.

## **Create BPMN- compliant processes - Visio**

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They can be further classified into approaches that produce procedural models, such as business process model and notation (BPMN) 4 process models and Petri nets, and approaches that produce declarative models, such as a Declare model. 5 The former approaches are detail oriented in that they try to describe the full flow of control

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between tasks and events in the business process. These techniques produce closed process models—that is, process models in which everything that is not ...

## **Process Model - an overview |**

### **ScienceDirect Topics**

Business Process Model and Notation (BPMN) is a graphical representation for



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specifying business processes in a business process model..

Originally developed by the Business Process Management Initiative (BPMI), BPMN has been maintained by the Object Management Group (OMG) since the two organizations merged in 2005.

Version 2.0 of BPMN was released in January 2011, at which point the name was ...

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## **Business Process Model and Notation - Wikipedia**

Business Processes,  
Design Business  
Process Model &  
Notation (BPMN) is like  
a flow chart on  
steroids. It's the one  
true way to graphically  
map your processes  
and is a globally-  
recognized,  
standardized method.  
In other words, it's  
information any  
business looking to

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draw reliable process maps needs to know.

**BPMN Tutorial:  
Quick-Start Guide to  
Business Process  
Model ...**

A standard Business Process Model and Notation (BPMN) will provide businesses with the capability of understanding their internal business procedures in a graphical notation and will give organizations

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the ability to communicate these procedures in a standard manner.

Furthermore, the graphical notation will facilitate the understanding of the performance collaborations and business transactions between the organizations.

## **BPMN Specification - Business Process Model and Notation**

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The recently proposed Decision Modeling and Notation (DMN) standard introduces a declarative approach for modeling decisions and aims at the separation of decision logic from business processes. Decoupling decisions and process models is crucial for the flexibility and maintainability of business processes.

**Consistent**

# Get Free Declarative Process Modeling **Integration of Decision (DMN) and Process (BPMN) ...**

The XML Process Definition Language (XPDL) is a format standardized by the Workflow Management Coalition (WfMC) to interchange business process definitions between different workflow products, i.e. between different modeling tools and management suites. XPDL defines an XML

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schema for specifying  
the declarative part of  
workflow / business  
process. XPDL is  
designed to exchange  
the process ...

### **XPDL - Wikipedia**

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Modeling in BPMN  
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Models BPM: 2013:  
Westergaard, Michael  
and Slaats, Tijs

**On the declarative  
paradigm in hybrid  
business process ...**

of process modeling  
languages. Our  
contribution is a pair of  
propositions that are  
routed in the cognitive  
dimensions framework.  
In future research, we  
aim to challenge these



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propositions by an experiment. Keywords: Process model understanding, declarative versus imperative modeling, cognitive dimensions framework 1 Introduction

## **Declarative versus Imperative Process Modeling Languages**

...

Process maps can be very confusing - without a single,

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unified procedure for documenting processes, understanding them can be hard for anyone that's not directly involved with the mapping. Business Process Modeling and Notation (BPMN) is one of most-used business process modeling techniques, and it helps make process maps easier to understand for any relevant party

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## **What is Business Process Modeling and Notation (BPMN**

...

Declarative Notation does not attempt to model the flow of a problem; they establish desired results i.e. specifying what they want to happen but not how it should happen. SQL is an example of declarative

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programming because  
it does not attempt to  
control the flow of a  
program; it simply  
states what it would  
like to appear but not  
how it is done.

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