Adonis Tutorial
Adonis

The integrated Business Process Management and Knowledge toolkit from BOC GmbH.

ADONIS offers you a wide-range of various functionalities in the following operational areas:

E-Business:
E-business application development, as well as constant and integrated modelling of business models, Business Processes, products, IT systems and IT infrastructures.

Business process management:
Acquisition, modelling, analysis, simulation, evaluation, documentation and realisation of Business Processes.

Process-based application development:
Application development with workflow, CASE-, groupware and object technology as well as process-based introduction of standard software.

Process Warehouses:
Operational data management and Evaluation based on business process and integrated solutions with different workflow products.

Knowledge management - Training and Learning:
Production of training supports through graphic models and process orientated knowledge management.

ADONIS is a client/server multi-user system, which has an object-oriented structure. Additionally, ADONIS has a remarkable adaptation possibility, so it can be configured according to your needs and developed according to your requirements (ADONIS-customising).
Business Process Management

- The goals of Business Process Management are the optimization of both the processes of an enterprise, as well as the resources and technology which execute those processes.

- Business Process Management Toolkit consists of 3 basic components:
  a. Modelling
  b. Analysis
  c. Simulation
  d. Export/Import
Modelling

The Modelling component is the heart of the ADONIS Business Process Management toolkit. The Modelling component allows you to build the models you require (e.g. Business Process or Working Environments). You can create and amend your own models (and the attribute values of the objects used) using the graphical editor (model editor) provided. Additionally, it is also possible to input attribute values through a tabular view of the model.

Analysis

Within the Analysis component, queries on your ADONIS models can be run and relation tables or predefined charts can be produced. Both predefined and user-definable queries are provided in ADONIS. The query language in ADONIS is AQL (AQL = ADONIS Query Language). Creation of queries will be defined by the ADONIS Administrator. and will be provided to an ADONIS User.

The results of a query can be displayed either as a table or graphically. The results can also be exported to an ASCII file. In this way you can process the results further in another application (e.g. spreadsheet, word processor etc.).

An Analytical Evaluation of Business Process models can also be carried out.
Simulation

The Simulation of Business Processes and Working Environments is executed in the Simulation component. Four Simulation algorithms are available in ADONIS: path Analysis simulates the Business Process models, only while the capacity Analysis, workload Analysis (steady state), and workload Analysis (fixed time period) simulate the Business Process models AND the corresponding Working Environment models.
Modeling
Create Model Group
Create Working Environment Model
IMPORTANT

- Do it in **every** file to unlock all the suitable functionalities
Create Lanes
Create Organizational Units

- Choose left Palette with symbols, arrows etc.
Connection with University
Add Performers
Add Roles
Performers’ Settings

- Double-click a performer
- Choose hourly-wages and availability
- Repeat for each performer
- Change availability and hourly-wages for optimization purposes
Adding Cost Center
Cost Center’s Setting

- Choose budget
Create Document Model
Add all documents
Create BPMN 2.0

- This is the core of Adonis
Modeling - BPMN 2.0
Setting for start node
Create Subprocess

- Create an extra BPMN 2.0 model with name subprocess
Setting for subprocess

- Double-click “subprocess” of the first BPMN 2.0
Settings for each task (1/2)
Settings for each task (2/2)
Setting for arrow from gateway
BPMN 2.0 Completed

But what about “subprocess” BPMN 2.0 we created before?
Subprocess BPMN 2.0

- Repeat the process that we followed before with the start node, end node and task settings
- For start node set quantity = 1
Create Company Map
Company Map Settings

Business process diagram (BPMN 2.0) - new
Subprocess
Analysis
Consistency Check and Predefined Queries
Simulation
Path Analysis

- Path Analysis determines the possible paths of a BPMN 2.0
- Determines execution time, cost and the possibility to follow a specific path
Results of Path Analysis

- For your report choose **the first and the last path**
Capacity Analysis (1/2)
Capacity Analysis (2/2)

- We are interested mainly in capacity planning
- You should also choose the others
- Capacity analysis determines how many resources (performers and machines) are necessary for the execution of certain business process models based on how often these models are executed in a given period of time
Results of capacity Analysis

- The values should be near to 1
  - If < 1 the performer is malfunctioning
  - If > 1 the performer is overworking
  - In these cases optimization is required
Export
Import

Before submit -> export and import
THANK YOU