DecisionCAMP Track at BBC-2019

This year **Building Business Capability** will be held on Nov. 11-15 at Ft. Lauderdale, FL. This conference is targeted toward professionals involved in Business Analysis, Digital Innovation, Business Strategy & Transformation, Business Architecture, Business Process, and Business Rules & Decisions. It will include a special Track called "DecisionCAMP", a mini-camp of the main annual event. The full agenda has just been released.

Below are BBC DecisionCAMP's presentations and other sessions related to Decision Management:

USING STANDARDS TO ENABLE DECISIONS AS A SERVICE

In a technical world dominated by discussions of serverless, APIs, and microservices, we've reached an inflection point that will form the basis of the next wave of technology evolution. However, to take advantage of these advances, we must rethink the way we build, manage and deploy applications. Decisions will play a key role in this revolution.

This presentation will focus on the DMN and BPMN standards and their integration with industry data standards to enable a powerful approach to handling Fintech and Regtech using the mortgage industry (MISMO) as a case study. We believe that "decisions as a service" will become a primary delivery model and facilitate the creation and deployment of powerful APIs and microservices. Decisions enable a business-driven approach to development and deploying the capabilities as services will enable consumers to get custom automation. This is imperative in industries like financial services where the only constant is change.

Learning Objectives:

- Integration of business and technical standards
- True service-based based environment using APIs and microservices
- Setting the table for other emerging technology – blockchain, AI, etc

Date:
Thursday, Nov 14, 2019

Time:
8:00 am

Speakers
> Brian Stucky

INTRO TO DECISION MODELING FOR PRACTITIONERS – WHAT, WHY, AND HOW

Decision modeling using DMN is a creative and analytical activity focused on describing the requirements and structure of operational business decisions. It produces artifacts easily consumed and leveraged by both business and technical audiences.

Decision modeling comprises both Decision Requirements Diagrams and business logic, typically (but not always) represented in decision tables. We will touch on the role of decision tables in the elicitation and development of DRDs, but will be primarily focused on the visual aspect of decision modeling.

This presentation introduces practical and effective decision modeling techniques intended primarily for Business Analysts and others who are either curious about this visual approach or who are eager to be unleashed upon the craft.

 Examples shared will be drawn from real-world experience on actual financial services, healthcare, pharmaceutical, manufacturing, retail, military, or government projects.

Learning Objectives:

- What decision modeling is and how it fits into the big picture
- Why decision modeling returns such a high value for the level of effort required
- How to create effective decision models and how to make impactful use of them

Date:
Thursday, Nov 14, 2019

Time:
10:40 am

Speakers
> Don Perkins

Track:
> Decision Camp

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VOLATILITY, VELOCITY, ELASTICITY, AND PERFORMANCE ARE A MUST FOR CHINA'S FINTECH INDUSTRY

China's awakening in Decision Management came with a new set of challenges. To begin with, the volume of credit requests has reached new heights that dwarfs the volumes we have historically seen around the world so far. Velocity is playing a leading role, driving the need for elastic architectures of another dimension. Last but not least, the rapidly changing business landscape brings new opportunities to refine strategies through new and diverse data sources.

In this presentation, we will share Xinshu Credit's experience leading the charge. In particular, we will cover:

- Decision Service Architecture that scales
- Guidelines for digesting quickly volumes of data sources
- Modern technology blueprints for elasticity
- Lifecycle Management best practices for ultimate performance

Date:
Thursday, Nov 14, 2019

Time:
11:40 am

Speakers
> Jin Xu
> Carlos Serrano-Morales

Track:
> Decision Camp

DECISIONS IN THE PROCESS CONTEXT

The use of decisions and processes to structure and detail business knowledge is a good way to develop requirements. The goal of the session is to share and discuss experiences in designing complex decisions between processes in real projects using BPMN and DMN. To accomplish this, we will first demonstrate how a modeled process helps to model the decisions it contains and when it is better to break away from these process dependencies. Secondly, we will show how the decisions build their own perspective on the business knowledge and talk about the important role of the business object. Lastly, we will share some of the experiences in dealing with specialist groups.

Learning Objectives:

- Requirement Engineering with Process and Decision
- Dependencies between process (BPMN) and decision (DMN)
- Process and decision as different views on the specialist modelling
- The importance of the business object

Date:
Thursday, Nov 14, 2019

Time:
3:15 pm

Speakers
> Ulrich Striffler

Track:
> Decision Camp

INTELLIGENT PERPETUALLY RUNNING APPLICATIONS WITH BUSINESS RULES

In the AI era, many business applications which consider themselves "intelligent" cannot simply execute a complex rules-based transaction and wait for the next one. To become really "intelligent" applications, they should be able to learn from already executed transactions, accept new facts as they become available, and, when necessary, they should make changes in their own execution logic. These stateful applications should be able to support both decisioning and behavioral rules, validate and propagate changes in the states of involved business entities, and finally "connect the dots".

In this presentation, we will describe an ingenious architecture that supports the creation and continuing development of such intelligent, perpetually running applications. This proposed architecture utilizes the modern pub/sub tools with continuous data streams and state machines, allowing subject matter experts to define and maintain behavioral and decisioning rules. We will demonstrate the architecture by using several real-world scenarios.

Learning Objectives:

- How to develop "live" intelligent applications
- How to define both behavioral and decisioning rules
- How to validate and propagate real-time changes

Date:
Thursday, Nov 14, 2019

Time:
4:50 pm

Speakers
> Jacob Feldman

Track:
> Decision Camp

Related Presentations:

MANAGING BIG AND SMALL DECISIONS WITH MODELS AND TABLES

Next to the rise of new data science techniques and applications for data-driven decision making, the modeling and automation of the numerous small decisions the business has to take every day is gaining increasing attention. Decision modeling enables this decision transformation in the digital world. And it does so in a way which ensures correctness, consistency and compliance from the start.

With increasing demand for business process automation, the need for the automation of routine business decisions grows: granting a loan, insurance or premium; simple diagnosis; etc. In order to improve and speed up processes, also decisions have to be improved and automated. The business logic of those decisions must be captured effectively by the business. Decision logic can be expressed in many forms of which decision tables are the most important, with unique features such as consistency, completeness, correctness.

This tutorial takes you from the secrets behind knowledge-based decision intelligence to decision table methodology, including best practices, examples and experiences, for modeling decision rules by domain experts in real business situations (insurance, finance, legislation, operating procedures, …).

What you will lean:

- How to organize related decision rules into correct and agile decision tables
- A simple 8 step method to construct decision tables in the DMN standard
- How decision modeling can be used with, without, before or next to business process modeling
- And mainly: lessons from a long experience on how to use decision table models for business analysis in numerous application domains

Date:
Monday, Nov 11, 2019

Time:
1:30 pm

Speakers
> Jan Vanthienen

Trail:
> Business Rules & Decisions Forum

DECISION-CENTRIC DESIGN THINKING

Whether simplifying business processes; increasing straight through processing; applying big data, advanced analytics or AI/cognitive technology; or looking for dramatic reductions in time to market, digital transformation opportunities require a focus on decision-making. Design thinking is a proven approach to defining creative solutions to business problems. Decision-centric design thinking uses decision modeling to help teams define how their organization should decide. It defines a 'to-be' decision model and uses a graphical representation – a decision requirements model using the Decision Model and Notation (DMN) standard – as a visual analogy in place of technical requirements. This approach enables practical, creative design of solutions to your decision-making problems.

Decision Modeling documents known aspects of the current situation, reveals and resolves ambiguity, and supports definition of multiple alternative solutions. It's highly iterative and often results in an a-ha moment. Decision models capture how human experts make decisions in a way that makes it clear what should be automated, and how. Decision modeling makes it easy to continually update the way decisions are made by externalizing decision-making from the underlying technology. And decision models make the decision-making approach tangible and allow for shared understanding across business, IT, data science and operations.

This tutorial introduces decision modeling and the DMN notation, shows how to use design thinking to develop creative decision-making approaches, and uses the notation to document these solutions.

Attendees will get a free copy of "Real-World Decision Modeling with DMN" by James Taylor and Jan Purchase, (Meghan-Kiffer, 2016).

Date:
Tuesday, Nov 12, 2019

Time:
1:30 pm

Speakers
> James Taylor

Trail:
> Business Rules & Decisions Forum

AI, MICROSERVICES, APIS AND BUSINESS AUTOMATION AS A SERVICE

While the current AI fascination is fueled by Machine Learning, the architecture and application landscape is being redesigned around Microservices and APIs. These technologies are combining forces to affect many facets of business, creating a paradigm shift all around you. Do you know how to take advantage of the tsunami created by these technologies?

In this session, we will explain these technologies and how to extract business value from them. We will demonstrate how line of business people can integrate machine learning into business decisions that are explainable, auditable, and traceable and how they can easily assemble business automations that orchestrate a series of microservices via modern API platforms. With this knowledge in hand, you will be ready to face the next wave of technologies that are hitting your organization.

Learning Objectives:

- Introduction to Microservices and APIs
- Overview of current AI solutions and how they affect Business Decisions
- Orchestration of microservices for Business Automation

Date:
Wednesday, Nov 13, 2019

Time:
3:15 pm

Speakers
> Denis Gagne

FROM RULES TO GENERATED DECISION SERVICES

Millions of income tax returns are calculated with BRM software that is generated from business rules: the Dutch Tax and Custom Authority (DTCA) uses BRM technology for critical applications.

At the DTCA business rules (based on tax law and regulations) are specified in RegelSpraak (the Dutch version of RuleSpeak). A set of best practices is available for business analysts to transform relevant tax law and tax regulation into RegelSpraak. This is supported by software that facilitates traceability. RegelSpraak rules are put into our language workbench (ALEF) together with test cases. These test cases can be evaluated in ALEF even before working software is available. ALEF is capable of generating software that can be directly used in production environments.

We will show how this is implemented at the DTCA and the lessons learned. We will also pay attention to our pitfalls and further improvements.

Learning Objectives:

- Get an idea of how BRM is implemented at the DTCA.
- An understanding of the best practices that are used to specify rules in RegelSpraak
- An understanding how software is generated on the basis of RegelSpraak
- A clear understanding how specifying rules and test cases improve the development process.
- Understand how BRM benefits from new technologies (dsl's, model driven software engineering)

Date:
Friday, Nov 15, 2019

Time:
10:00 am

Speakers
> Joris van Aart
> Jan Hof