

Exploitable Results by Third Parties

12018 SCALARE

Scaling Software: Supporting Industry in Managing Software Scalability

Project details

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SMF Canvas tool		
Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> ▪ Management team with growing pains and in a need of a software transformation ▪ Team ready to work in workshop(s) to decide on the transitions needed. 	<ul style="list-style-type: none"> ▪ Guides the workshop participants from defining drivers (vision/goal) to actual transitions needed to get there ▪ Covers an analysis of the three domains organization, process, and product ▪ Visualize measurable abilities and how they are positively affected by the transitions 	<ul style="list-style-type: none"> ▪ A common strategy for how to change in order to meet the drivers for the software transformation ▪ Visualization of high level transitions – listed as a to do list of actions.
Unique Selling Proposition(s):	<ul style="list-style-type: none"> ▪ The SMF is the Map. ▪ The SMF Canvas tool supports you to: <ul style="list-style-type: none"> ○ define your Drivers – used as the Compass for how to find relevant Journeys to be inspired by (scenarios and case studies described in the book) ○ in a structured way analyze current situation in three domains (organization, process, product) ○ decide on and define needed transitions for a successful software transformation ○ use abilities to control and track 	
Integration constraint(s):	<ul style="list-style-type: none"> ▪ None 	
Intended user(s):	<ul style="list-style-type: none"> ▪ R&D managers, CIO, IT managers, Release managers 	
Provider:	<ul style="list-style-type: none"> ▪ The consortia 	
Contact point:	<ul style="list-style-type: none"> ▪ Ulf Asklund, ulf.asklund@cs.lth.se 	
Condition(s) for reuse:	<ul style="list-style-type: none"> ▪ The Canvas tool can be downloaded from the project home page, including a guide for how to use it ▪ Creative Commons license, “CC-BY-SA” 	

Latest update: October 20, 2016

Scaling a software business - The Digitalization Journey

Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> ▪ Managers that lacks software knowledge ▪ Managers that lacks knowledge regarding how to drive a digital business transformation 	<ul style="list-style-type: none"> ▪ An experience database of industrial best practices and tools to support enterprises in their digital transformations. ▪ The tools are the Map, the Compass, the Journeys including 5 Business Drivers, 8 Scenarios and 19 case studies 	<ul style="list-style-type: none"> ▪ Readers have a tool for driving a digitalization journey ▪ Readers have awareness and inspiration from real cases ▪ Understanding of topics to be considered for a successful transformation driven by software within organizations' offers
Unique Selling Proposition(s):	<ul style="list-style-type: none"> ▪ An experience database of industrial best practices and tools to support enterprises in their digital transformations when software is becoming a business differentiator factor. ▪ Learning from experiences documented on a standard way the digital transformation journey on the usage of the Map, the Compass, the Journeys including 8 Scenarios and 19 case studies 	
Integration constraint(s):	<ul style="list-style-type: none"> ▪ None 	
Intended user(s):	<ul style="list-style-type: none"> ▪ R&D managers, CIO, CTO, PMO Manager, IT managers, Release managers 	
Provider:	<ul style="list-style-type: none"> ▪ The consortia 	
Contact point:	<ul style="list-style-type: none"> ▪ Henrik Cosmo, henrik.cosmo@gmail.com 	
Condition(s) for reuse:	<ul style="list-style-type: none"> ▪ Book can be downloaded from Vinnova web page ▪ The book can be bought from Springer 	

Latest update: October 10, 2016

Open Source Maturity Model and Scenarios

Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> ▪ Executives and their software organization whose drivers (business challenges) indicates that they have to address strategies which includes Open Source Software ▪ And / or have got Open Source Software, voluntary or not, introduced in their offering and/or market. 	<ul style="list-style-type: none"> ▪ The Open Source Maturity Model is foremost a management communication tool in discussing the level of maturity (spanning from 1 to 5) in addressing the presence, management and direction of Open Source Software in an Organization. ▪ From the Open Source Maturity Model two SMF Open Source Scenarios have been developed, explaining the patterns (transition activities) that have to be implemented in order to achieve higher maturity. 	<ul style="list-style-type: none"> ▪ The first OSS Scenario (“Engineering driven”, level 1-3) results in an organization that is enabled to extract product value from Open Source communities to the offering. ▪ The second OSS Scenario (“Business driven, level 3-5) guides in what to implement for developing an own orchestrated eco-system which allows for extracting alternative revenue streams.
Unique Selling Proposition(s):	<ul style="list-style-type: none"> ▪ Its ease of use and understanding has been tried in the Open Source case studies conducted by SCALARE, with the corresponding Scenario patterns repeatedly confirmed. ▪ The Open Source Maturity Model is in active use at Sony Mobile. It was validated against similar models, with flagging colors, by an external party in 2014. 	
Integration constraint(s):	<ul style="list-style-type: none"> ▪ None 	
Intended user(s):	<ul style="list-style-type: none"> ▪ Executive management (CTO, CIO), including business development management, as well as R&D and IT managers. 	
Provider:	<ul style="list-style-type: none"> ▪ Sony Mobile Communications AB 	
Contact point:	<ul style="list-style-type: none"> ▪ Carl-Eric Mols, carl-eric.mols@sonymobile.com 	
Condition(s) for reuse:	<ul style="list-style-type: none"> ▪ Full Scenarios, Canvas and Patterns descriptions will be included in the SCALARE Report ▪ Creative Commons license, “CC-BY-SA” 	

Latest update: October 10, 2016

Continuous Delivery Assessment Model

Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> ▪ SW organizational capability to release SW ▪ Infrastructure and processes for supporting SW development and product/service release cycle 	<p>Continuous Delivery (CD) is a collective term for a range of methods that make it possible to deploy and provision new SW product versions automatically</p> <ul style="list-style-type: none"> ▪ The CD Assessment model defines different maturity levels for various disciplines within the software development life cycle (SDLC) (code, build, test, deliver) necessary to deliver SW fast with good quality ▪ The model can be used to visualize and assess the initial maturity but also to define a stepwise roadmap and plan for how to increase the maturity ▪ An assessment process is defined describing how to use the model and what workshops etc. needed to come up with a result 	<ul style="list-style-type: none"> ▪ The model will show initial maturity and a plan for how to increase your maturity ▪ Overall objective is a quicker and more automatic release of new features in a SW product/service by enhancing the delivering of business value
Unique Selling Proposition(s):	<ul style="list-style-type: none"> ▪ A standardised CD assessment can be done in 1-2 weeks with the right experts ▪ The visualization of the result is a powerful tool for managers and decisions makers to identify organizational improvements 	
Integration constraint(s):	<ul style="list-style-type: none"> ▪ None 	
Intended user(s):	<ul style="list-style-type: none"> ▪ R&D managers, CIO, CTO, Portfolio managers, IT managers, Release managers 	
Provider:	<ul style="list-style-type: none"> ▪ Softhouse Consulting 	
Contact point:	<ul style="list-style-type: none"> ▪ Anders Sixtensson, asi@softhouse.se 	
Condition(s) for reuse:	<ul style="list-style-type: none"> ▪ A free license to use the model and the assessment process will be provided if contacting Softhouse. 	

Latest update: October 3, 2016

Pattern Tool		
Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> ▪ Case study tool template for documenting and sharing experiences 	<ul style="list-style-type: none"> ▪ Software patterns in 3 scaling domains by providing common details for comparison <ul style="list-style-type: none"> ○ Problem: brief description of the problem being addressed in the pattern ○ Solution: brief description of the proposed solution ○ Picture (optional): this is a graphical representation of the problem/solution context ○ Metadata: This provides further detail on how the pattern was derived using characteristics such as the following: type, strength and source of evidence, domain, which of the three SCALARE dimensions to which it applies ○ Related Patterns: Any relevant patterns that should also be considered in addition to the present one ○ References: Reference to further detail explaining the source of the pattern 	<ul style="list-style-type: none"> ▪ A web based documented case study with searchable metadata to easily identify solutions for common scenarios
Unique Selling Proposition(s):	<ul style="list-style-type: none"> ▪ To serve as a decision support system (DSS) that would be used by a software project manager to gain insights to inform decision making in relation to various software scaling scenarios ▪ The case studies in each of the three scaling domains (1. Organization, 2. Products and Services, 3 Processes and Methods) researched over the course of the SCALARE project have been converted into scenario patterns ▪ Patterns are condensed two-page descriptions of a particular scenario and follow a standard format ▪ Over 50 patterns have been added to the SCALARE tool 	
Integration constraint(s):	<ul style="list-style-type: none"> ▪ GITIT Wiki ▪ HASKELL ▪ PROLOG ▪ GIT 	
Intended user(s):	<ul style="list-style-type: none"> ▪ MsC and PhD students for tool evolution 	

Pattern Tool	
	<ul style="list-style-type: none"> R&D managers and IT managers for getting awareness of solutions of catalogued experiences
Provider:	<ul style="list-style-type: none"> Limerick University - Lero - Irish Software Research Centre
Contact point:	<ul style="list-style-type: none"> Brian Fitzgerald, Brian.Fitzgerald@ul.ie Klaas Jan Stol, Klaas-Jan.Stol@ul.ie
Condition(s) for reuse:	<ul style="list-style-type: none"> In addition to the SCALARE project, the Aspire tool has also been drawn on in the EU FP7 project, FESTA (Female Empowerment in Science and Technology Academia)¹ Many of the underpinning components are already open source A decision has been taken to make the tool available under an open source license
<i>Latest update: October 25, 2016</i>	

¹ <http://www.festa-europa.eu/>

SCALARE Consultancy Services		
Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> ▪ Organization where software has become a strategic enabler ▪ A decisive management team wanting guidelines and support for a software scaling journey 	<p>The consultancy services are divided into three blocks – Awareness, Assessment and Transformation. These services are provided by SCALARE teams of typical 2-4 senior consultants with different skills and background</p> <ul style="list-style-type: none"> ▪ Awareness. Different workshops and training material to understand possibilities and challenges. Topics could be Basic Software engineering, Digitalization, Open source, Scaling Agile, etc. ▪ Assessment. Workshops(s) with decisions makers using SMF Canvas to agreeing on Business drivers, As-is, Wanted position and defining a transformation roadmap ▪ Transformation. Training material, process/methods, guidelines and coaching on what has been identified in the Assessment <ul style="list-style-type: none"> ○ Digitally enabled business models ○ Scaling Agile ○ Open source – technical and business ○ Continuous delivery ○ Servitization ○ etc 	<ul style="list-style-type: none"> ▪ Improved business performance as defined by business drivers and wanted position
Unique Selling Proposition(s):	<ul style="list-style-type: none"> ▪ SCALARE Consultancy is based on a holistic view covering aspects of business, organization, product/service and process/methods. ▪ Every organization is unique with their as-is situation and top-3 business drivers. SCALARE assessments using the Canvas handle this uniqueness without having predefined solutions. 	
Integration constraint(s):	<ul style="list-style-type: none"> ▪ None 	
Intended user(s):	<ul style="list-style-type: none"> ▪ Management team, R&D managers, CIO, IT managers 	
Provider:	<ul style="list-style-type: none"> ▪ Softhouse Consulting ▪ Addalot 	
Contact point:	<ul style="list-style-type: none"> ▪ Anders Sixtensson, asi@softhouse.se 	

SCALARE Consultancy Services

	<ul style="list-style-type: none">▪ Max Sunemark, max.sunemark@addalot.se
Condition(s) for reuse:	<ul style="list-style-type: none">▪ A free license to use the model and the assessment process will be provided if contacting Softhouse and/or Addalot.
<p style="text-align: right;"><i>Latest update: October 25, 2016</i></p>	