Exploitable Results by Third Parties
12018 SCALARE
Scaling Software: Supporting Industry in Managing Software Scalability

Project details

<table>
<thead>
<tr>
<th>Project leader:</th>
<th>Miguel A. Oltra Rodríguez</th>
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<tbody>
<tr>
<td>Email:</td>
<td><a href="mailto:miguel.oltra@schneider-electric.com">miguel.oltra@schneider-electric.com</a></td>
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<tr>
<td>Website:</td>
<td><a href="http://www.scalare.org">http://www.scalare.org</a></td>
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## SMF Canvas tool

<table>
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<tr>
<th>Input(s):</th>
<th>Main feature(s)</th>
<th>Output(s):</th>
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</table>
| - 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. | - 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 | - 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):**

- The SMF is the Map.
- The SMF Canvas tool supports you to:
  - 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):**

- None

### Intended user(s):**

- R&D managers, CIO, IT managers, Release managers

### Provider:**

- The consortia

### Contact point:**

- Ulf Asklund, ulf.asklund@cs.lth.se

### Condition(s) for reuse:**

- 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):
- Managers that lacks software knowledge
- Managers that lacks knowledge regarding how to drive a digital business transformation

## Main feature(s):
- 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

## Output(s):
- 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):
- 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):
- None

## Intended user(s):
- R&D managers, CIO, CTO, PMO Manager, IT managers, Release managers

## Provider:
- The consortia

## Contact point:
- Henrik Cosmo, henrik.cosmo@gmail.com

## Condition(s) for reuse:
- 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

<table>
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<th>Input(s):</th>
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| - 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. | - 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. | - 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):  
- 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):  
- None

#### Intended user(s):  
- Executive management (CTO, CIO), including business development management, as well as R&D and IT managers.

#### Provider:  
- Sony Mobile Communications AB

#### Contact point:  
- Carl-Eric Mols, carl-eric.mols@sonymobile.com

#### Condition(s) for reuse:  
- 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

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<th>Input(s):</th>
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<th>Output(s):</th>
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<tr>
<td>• SW organizational capability to release SW</td>
<td>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</td>
<td>• The model will show initial maturity and a plan for how to increase your maturity</td>
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<td>• Infrastructure and processes for supporting SW development and product/service release cycle</td>
<td>• 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</td>
<td>• Overall objective is a quicker and more automatic release of new features in a SW product/service by enhancing the delivering of business value</td>
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**Unique Selling Proposition(s):**

• 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):**

• None

**Intended user(s):**

• R&D managers, CIO, CTO, Portfolio managers, IT managers, Release managers

**Provider:**

• Softhouse Consulting

**Contact point:**

• Anders Sixtensson, asi@softhouse.se

**Condition(s) for reuse:**

• A free license to use the model and the assessment process will be provided if contacting Softhouse.

*Latest update: October 3, 2016*
## Pattern Tool

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<th>Input(s):</th>
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<th>Output(s):</th>
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| ▪ Case study tool template for documenting and sharing experiences | ▪ Software patterns in 3 scaling domains by providing common details for comparison  
  ○ 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 | ▪ A web based documented case study with searchable metadata to easily identify solutions for common scenarios |

### Unique Selling Proposition(s):

- 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):

- GITIT Wiki
- HASKELL
- PROLOG
- GIT

### Intended user(s):

- MsC and PhD students for tool evolution
## Pattern Tool

<table>
<thead>
<tr>
<th>Provider:</th>
<th>Limerick University - Lero - Irish Software Research Centre</th>
</tr>
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| Contact point: | Brian Fitzgerald, [Brian.Fitzgerald@ul.ie](mailto:Brian.Fitzgerald@ul.ie)  
Klaas Jan Stol, [Klaas-Jan.Stol@ul.ie](mailto:Klaas-Jan.Stol@ul.ie) |
| Condition(s) for reuse: | 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 |

¹ http://www.festa-europa.eu/
## SCALARE Consultancy Services

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<td>- Organization where software has become a strategic enabler&lt;br&gt;- A decisive management team wanting guidelines and support for a software scaling journey</td>
<td>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&lt;br&gt;- Awareness. Different workshops and training material to understand possibilities and challenges. Topics could be Basic Software engineering, Digitalization, Open source, Scaling Agile, etc.&lt;br&gt;- Assessment. Workshops(s) with decision makers using SMF Canvas to agreeing on Business drivers, As-is, Wanted position and defining a transformation roadmap&lt;br&gt;- Transformation. Training material, process/methods, guidelines and coaching on what has been identified in the Assessment &lt;br&gt;  - Digitally enabled business models &lt;br&gt;  - Scaling Agile &lt;br&gt;  - Open source – technical and business &lt;br&gt;  - Continuous delivery &lt;br&gt;  - Servitization &lt;br&gt;  - etc</td>
<td>- Improved business performance as defined by business drivers and wanted position</td>
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### Unique Selling Proposition(s):
- SCALARE Consultancy is based on a holistic view covering aspects of business, organization, product/service and process/methods.<br>- 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):
- None

### Intended user(s):
- Management team, R&D managers, CIO, IT managers

### Provider:
- Softhouse Consulting<br>- Addalot

### Contact point:
- Anders Sixtensson, asi@softhouse.se
<table>
<thead>
<tr>
<th>SCALARE Consultancy Services</th>
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<tbody>
<tr>
<td>▪ Max Sunemark, <a href="mailto:max.sunemark@addalot.se">max.sunemark@addalot.se</a></td>
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<tr>
<td>Condition(s) for reuse:</td>
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*Latest update: October 25, 2016*