

# Software Product Line Adoption in Small Organizations

Please consider in the survey that the context of a small organization involves limited resources related to finances and staffing. Small organizations in this study are under 50 employees. All the information provided (in terms of responses) will be kept confidential. The only information we would like to publish refers to the name of experts who participated in this survey, as respondents.

\* Required

## 1. 1 - Select the description that best describes the role you played in SPL projects in the last five years? \*

(You can choose more than one option)

Check all that apply.

- ☐ Researcher
- ☐ Manager
- ☐ System Analyst
- ☐ Software Architect
- ☐ Software Engineer
- ☐ Consultant
- ☐ Other: .....

## 2. 2 - How do you evaluate the adequacy of the following transition strategies in the context of small organizations? Considering organizations that have a set of products before introducing SPL practices. \*

(See the file with a description for the strategies)

Mark only one oval per row.

	Terrible	Inferior	Good	Excellent	No opinion/Don't know
Incremental Introduction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Big Bang	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tactical Approach	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pilot Project	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## 3. 3 - How do you evaluate the adequacy of the following organizational structures in the context of small organizations? \*

Mark only one oval per row.

	Terrible	Inferior	Good	Excellent	No opinion/Don't know
Development Department	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Distributed Domain Engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Centralized Domain Engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Several Domain Engineering Units	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**4. 4 - How do you evaluate the impact of organizational structure on the success of the SPL adoption? \***

*Mark only one oval.*

- ☐ Definitely High
- ☐ Probably High
- ☐ Probably Low
- ☐ Definitely Low
- ☐ No opinion/Don't know

**5. 5 - The choice of the transition strategy is not directly related to the choice of the organizational structure. \***

*Mark only one oval.*

- ☐ Strongly Agree
- ☐ Agree
- ☐ Neither Agree nor Disagree
- ☐ Disagree
- ☐ Strongly Disagree

**6. 6 - How do you assess the impact of the organizational maturity on the success of the SPL adoption? \***

*Mark only one oval.*

- ☐ Definitely High
- ☐ Probably High
- ☐ Probably Low
- ☐ Definitely Low
- ☐ No opinion/ Don't know

**7. 7 - The processes areas and maturity levels are the same when considering SPL adoption in small and large companies. \***

*Mark only one oval.*

- ☐ Strongly Agree
- ☐ Agree
- ☐ Neither Agree nor Disagree
- ☐ Disagree
- ☐ Strongly Disagree

8. **8 - An organization planning to implement the SPL approach must have achieved the CMMI capability level 2 (continuous representation) at least, in the following process areas: Requirements Management, Project Planning, Configuration; Management, and Requirements Development. \***

*Mark only one oval.*

- ☐ Strongly Agree
- ☐ Agree
- ☐ Neither Agree nor Disagree
- ☐ Disagree
- ☐ Strongly Disagree

9. **9 - The choice of the transition strategy is directly related to the maturity level of the organization. \***

*Mark only one oval.*

- ☐ Strongly Agree
- ☐ Agree
- ☐ Neither Agree nor Disagree
- ☐ Disagree
- ☐ Strongly Disagree

**10. 10 - In your opinion, what is the likelihood of each one of the following barriers to occur in the process of adopting product line in a small organization? \***

*Mark only one oval per row.*

	Definitely High	Probably High	Probably Low	Definitely Low	No opinion/ Don't know
Initial associated cost	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Time to devote to product line activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of a product line vision	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of maturity in an organization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of documentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Absence of an explicitly defined development process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of necessary knowledge and possible talent	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inadequate Organizational Structure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The necessity of change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of a product line champion and/or angel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of motivation in SPL adoption	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overhead associated with starting the SPL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unpredictability due to the global financial crisis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hardware / Software integration issues in SPL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of a SPL Adoption Plan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Focusing on in technology only	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Abstract statements in case studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of Tool Support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of SPL experts and high cost of trainings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of Management Maturity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Convince the different organization decision levels	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Terminology differences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of practical resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. **11 - The number of barriers is inversely proportional to the maturity level of the organization. \***

*Mark only one oval.*

- ☐ Strongly Agree
- ☐ Agree
- ☐ Neither Agree nor Disagree
- ☐ Disagree
- ☐ Strongly Disagree

12. **12 - Please, inform your name. \***

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