Highly Configurable Systems vs. Single Systems

You are receiving this survey as our initial investigation identified you as either a contributor of Highly Configurable System (HCS) or Single System (SS - traditional systems) or a researcher publishing related to HCS. We ask you to spend about 10 minutes of your time. In this survey, we want to know your opinion regarding the differences between HCS and SS.

Your participation is voluntary and confidential. You can withdraw at any time. We do not record any identifying information.

This survey is conducted by a joint team of computer science researchers from Federal University of Bahia (Brazil) and Federal University of Sergipe (UFS).

We plan to include the results of this survey in a scientific publication. Should you be interested in being informed about the outcome of this study or any resulting publication, you will be provided an opportunity to indicate this and provide us with your email address.

Please contact Eduardo Almeida (esa@rise.com.br) if you have any questions or comments related to the study.

Thank you!

ELECTRONIC CONSENT
Please select your choice below. Selecting the "yes" option below indicates that: i) you have read and understood the above information, ii) you voluntarily agree to participate, and iii) you are at least 18 years old. If you do not wish to participate in the research study, please decline participation by selecting "No".

* Required

Consent

1. I consent to participate in this research study *

   Mark only one oval.

   ⭕ Yes

   ⭕ No

Demographics

2. Are you a professional software engineer payed by any company? *

Mark only one oval.

    ◯ Yes   *Skip to question 4*

    ◯ No   *Skip to question 3*

Demographics (cont)

3. Are you a software engineering researcher? *

Mark only one oval.

    ◯ Yes

    ◯ No

Demographics (cont)

4. How many years of development experience do you have (ex: 0, 1, 2, 3...10...)? *

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5. What is your current country of residence? *

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6. What is your highest educational qualification? *

Mark only one oval.

◯ Less than high school

◯ Graduated high school

◯ Trade/technical school

◯ Some college, no degree

◯ Associate degree

◯ Bachelor's degree

◯ Advanced degree (Master's, Ph.D., M.D.)

Code Complexity

Based on your experience in Highly Configurable Systems (HCS) and Single Systems (SS), choose the one that you agree the most.

7. Code complexity in HCS is higher than SS *

Mark only one oval per row.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Code complexity in HCS is higher than SS	◯	◯	◯	◯	◯

8. If you have any any additional comment, please add it here

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Bug-proneness

Based on your experience in Highly Configurable Systems (HCS) and Single Systems (SS), choose the one that you agree the most.

9. Number of bugs in SS is higher than HCS *

Mark only one oval per row.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Number of bugs in SS is higher than HCS	◯	◯	◯	◯	◯

10. If you have any any additional comment, please add it here

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Programming Style

Based on your experience in Highly Configurable Systems (HCS) and Single Systems (SS), choose the one that you agree the most.

11. Average code change size of SS is bigger than HCS *

Mark only one oval per row.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Average code change size of SS is bigger than HCS	◯	◯	◯	◯	◯

12. If you have any any additional comment, please add it here

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Developer population

Based on your experience in Highly Configurable Systems (HCS) and Single Systems (SS), choose the one that you agree the most.

13. Number of core developers (people doing most of the work in the project) in SS *
is bigger than HCS

Mark only one oval per row.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Number of core developers (people doing most of the work in the project) in SS is bigger than HCS	◯	◯	◯	◯	◯

14. If you have any any additional comment, please add it here

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Developer population (cont)

Based on your experience in Highly Configurable Systems (HCS) and Single Systems (SS), choose the one that you agree the most.

15. Number of code contributors in HCS is bigger than SS *

Mark only one oval per row.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Number of code contributors in HCS is bigger than SS	⬭	⬭	⬭	⬭	⬭

16. If you have any any additional comment, please add it here

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Developer population (cont)

Based on your experience in Highly Configurable Systems (HCS) and Single Systems (SS), choose the one that you agree the most.

17. Number of Accidental contributors (people who do only one contribution) in SS * is bigger than HCS

Mark only one oval per row.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Number of Accidental contributors (people who do only one contribution) in SS is bigger than HCS	⬭	⬭	⬭	⬭	⬭

18. If you have any any additional comment, please add it here

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Developer population (cont)

Based on your experience in Highly Configurable Systems (HCS) and Single Systems (SS), choose the one that you agree the most.

19. Developer retention (people who keep working longer in a project) is higher in   *
HCS than SS

Mark only one oval per row.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Developer retention (people who keep working longer in a project) is higher in HCS than SS	◯	◯	◯	◯	◯

20. If you have any any additional comment, please add it here

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Developer population (cont)

Based on your experience in Highly Configurable Systems (HCS) and Single Systems (SS), choose the one that you agree the most.

21. There are more paid contributors in SS than HCS *

Mark only one oval per row.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
There are more paid contributors in SS than HCS	◯	◯	◯	◯	◯

22. If you have any any additional comment, please add it here

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Email Information (optional)

23. Please, provide your email if you would like to receive a copy of our study:

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