



Continuous Practices - Member Checking

We are Omar Elazhary, Margaret-Anne Storey and Neil Ernst, computer science researchers from the University of Victoria. Our team is exploring how continuous practices in an industrial context impact both software development workflows, as well as software developers. In particular, we explore the principles of continuous software development, its use of automation, and what benefits and challenges their use incurs. It should take approximately 10 minutes of your time.

This survey is a way for us as researchers to verify whether the themes we identified from our interviews align with what participants intended to communicate as part of our member-checking process. You are being asked to complete this survey because you were a participant in our interviews.

We will share our results with you and openly publish our results so everyone can benefit from them, but we will anonymize the data before doing so. Your responses will be handled confidentially.

Please read the [following document](#) for information on consent, our ethics code, and related issues.

To quit the survey at any time, simply close this tab/window. To submit the survey, simply click the "Done" button at the end of the survey. Please note that by submitting this survey, your consent is implied.

For each of the following themes:

Please select the response that best matches your assessment of whether it represents the workflow and properties of the software project with which you are most familiar.

Select "*Not Sure*" if you are unsure whether this statement applies to your project.
Select "*N/A*" if you are sure this statement does not apply to your project.

- * 1. I have to perform some form of manual testing (not automated) to make sure my changes have the desired impact on the project.

Strongly
Disagree

Disagree

Neither Agree
nor Disagree

Agree

Strongly Agree

Not Sure

N/A

☐☐☐☐☐☐☐

*** 2. My project includes flaky tests and/or those that produce false positives which has a negative impact on my development workflow and the value I derive from automation.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 3. Good practices dictate that not everyone can commit to the master branch (mainline). Instead, a reviewer is in charge of merging new code.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 4. Because we are offering software as a service (SaaS), our configuration for development environments is different from production environments.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 5. Investing in simplifying the project setup (by using tools such as docker) reduces the overhead I have to go through to set up my development environment.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 6. Investing in simplifying the project setup (by using tools such as docker) facilitated my on-boarding process when I was starting development on this project.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 7. Not having visibility into other teams' workflow has a negative impact on my development workflow.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 8. Slack makes it easy for me to keep track of automated build status, which commit triggered that build, and the issue a commit corresponds to.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 9. Not all developers on my team/project have deployment (to production) privileges. I find this a good practice.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 10. My confidence in the codebase factors into whether or not I deploy to production.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 11. Deployments are not completely continuous because they need to be triggered manually.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 12. A common reason for deployment pipeline failure on my project is the reliance of its processes on services external to the pipeline (or the organization). For example, the use of external APIs to collect data or run tests against.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 13. The reliance of my project's pipeline processes on external services (APIs, databases, ...etc.) has a negative impact on deployment time.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 14. The first thing that comes to my mind when considering continuous software development is automation.**

Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15. Do you have any further comments on the impact of continuous software development practices on your company's development workflow?

