	ock_				
nfo Page					
Thank you for part	ticipating in the su	urvey. We expect t	hat this survey will	take 7-10 minu	tes of your time.
Who we are: Researchers at Ore	egon State Univer	rsity			
	ur goal is that by	understanding the	culties that developese difficulties, we c		_
Please proceed to	the next page to l	begin.			
ackground Block					
<u> </u>					
Gender:					
Male			Other:		
Female			ODo not wish to p	orovide	
		avnarianca			
Professional softw	are development	experience:			
Professional software 1-5 years	6-10 years	11-15 years	16-20 years	21-25 years	26+ years
	•	<u> </u>	16-20 years	21-25 years	26+ years
1-5 years	6-10 years	11-15 years	0	21-25 years	26+ years
1-5 years What kind of proje	6-10 years cts do you spend	11-15 years	on?	0	0
1-5 years What kind of proje	6-10 years	11-15 years	0	0	26+ years
1-5 years What kind of proje	6-10 years cts do you spend	11-15 years	on?	0	0
1-5 years What kind of proje	6-10 years cts do you spend ce Projects	11-15 years most of your time Closed-Sou	on?	0	0
1-5 years What kind of proje Open-Source	6-10 years cts do you spend ce Projects	11-15 years most of your time Closed-Sou	on? Irce Projects	0	0
1-5 years What kind of proje Open-Source What size of project	6-10 years cts do you spend ce Projects ct do you usually w	11-15 years most of your time Closed-Sou	on? Irce Projects	l split my	time evenly
1-5 years What kind of proje Open-Source What size of project	6-10 years cts do you spend ce Projects ct do you usually v 2-5 develo	11-15 years most of your time Closed-Sou work on? pers 6-10 de	on? rce Projects velopers 11-50	l split my	time evenly
1-5 years What kind of project Open-Source What size of project 1 developer	6-10 years cts do you spend ce Projects ct do you usually v 2-5 develo	11-15 years most of your time Closed-Sou work on? pers 6-10 de	on? rce Projects velopers 11-50	l split my	time evenly
1-5 years What kind of project Open-Source What size of project 1 developer Which roles have y	6-10 years cts do you spend ce Projects ct do you usually v 2-5 develo	11-15 years most of your time Closed-Sou work on? pers 6-10 de	on? rce Projects velopers 11-50 ojects?	I split my	time evenly
1-5 years What kind of project Open-Source What size of project 1 developer Which roles have your software Engine	6-10 years cts do you spend ce Projects ct do you usually v 2-5 develo	11-15 years most of your time Closed-Sou work on? pers 6-10 de	on? velopers 11-50 ojects? DevOps	I split my	time evenly

How often do you enco	unter merge conflicts?
Every day	
A few times a week	
Once a week	
A few times a mont	h
Once a month	
A few times a year	
Once a year or less	
Never	
tors of Merge Conflict	Difficulty
he following question	s concern factors of merge conflict difficulty.
	s concern factors of merge conflict difficulty.
	s concern factors of merge conflict difficulty. acteristics that affect your ability to understand WHAT is happening during a merge
These factors are chara	
These factors are chara	
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			A moderate		
	Not at all	A little	amount	A lot	A great dea
Time to resolve a conflict	0	0	0	0	0
Number of conflicting lines of code	0	0	0	0	0
Complexity of conflicting lines of code	0	0	0	0	0
Number of files in the conflict	0	0	0	0	0
Complexity of the files with conflicts	0	0	0	0	0
Non-functional changes (whitespace, renaming, etc)	0	0	0	0	0
Dependencies of conflicting code on other components	0	0	0	0	0
Atomicity of changesets in the conflict	0	0	0	0	0
Your knowledge/expertise in area of conflicting code	0	0	0	0	0
How do you measure the siz Lines of code involved in Number of files in the co The amount of time that Other(s):	the conflict nflict				
		onflict (defining	size as you did a	bove) seem to	be related to
In your experience, does the the difficulty of the merge co Yes		onflict (defining	size as you did a	bove) seem to	

0	0	0
_	0	
0		0
	0	0
merge conflict,	what is the ave	erage difficulty
Somewhat Difficult	Difficult	Not Worth Solving
0	0	0
0	0	0
0	0	0
	0	
difficulty.		
flict is resolved.		
	Somewhat Difficult hanges that fol	Somewhat Difficult hanges that following your use No

Please rate how much each of these factor into the difficulty of resolving merge conflicts:

	A moderate					
	Not at all	A little	amount	A lot	A great deal	
The amount of information you have about the conflicting code	0	0	0	0	0	
Your expertise in the area of code with the merge conflict	0	0	0	0	0	
How easy it is to understand the code involved in the merge conflict	0	0	0	0	0	
How well tools present information in an understandable way	0	0	0	0	0	
Trustworthiness of tools	0	0	0	0	0	
Tool support for examining development history	0	0	0	0	0	
Complexity of the project structure	0	0	0	0	0	
Informativiness of commit messages	0	0	0	0	0	
Changing assumptions within the code	0	0	0	0	0	
Project culture	0	0	0	0	0	

Backporting is the action of taking parts from a newer version of a software system or software component and porting them to an older version of the same software. [Wikipedia]

			somethina		

0	Yes
0	No

Could you describe a situation where you were unable to backport something because of its dependencies?

<u>olset</u>					
The following questions relate to the tools you use for r	merge confli	ct resolut	ion:		
What tools do you use in your conflict resolution proces do between the time you pull and the time you commit		ols can be	e for anything	g that you	u need to
					2
How often do you find that having multiple tools has be Never Rarely Somet		m in your Oft	•		ow? ways
0 0)	(0	niways	
How effectively does your current toolset support each	î	ving scena	arios?		
How effectively does your current toolset support each	Not	Slightly	Moderately effective	•	
	Not effective	Slightly	Moderately	•	
Simple, small merge conflict resolutions	Not effective	Slightly	Moderately effective	•	
Simple, small merge conflict resolutions Simple, large merge conflict resolutions	Not effective	Slightly	Moderately effective	•	
Simple, small merge conflict resolutions Simple, large merge conflict resolutions Complex, small merge conflict resolutions	Not effective	Slightly	Moderately effective	•	
Simple, small merge conflict resolutions Simple, large merge conflict resolutions Complex, small merge conflict resolutions Complex, large merge conflict resolutions Merge conflict resolutions	Not effective	Slightly	Moderately effective	•	Extreme Effective
Simple, small merge conflict resolutions Simple, large merge conflict resolutions Complex, small merge conflict resolutions Complex, large merge conflict resolutions Merge conflict resolutions that require exploring code history Merge conflict resolutions that require little or no	Not effective	Slightly	Moderately effective	•	
Simple, small merge conflict resolutions Simple, large merge conflict resolutions Complex, small merge conflict resolutions Complex, large merge conflict resolutions Merge conflict resolutions that require exploring code history Merge conflict resolutions that require little or no code history exploration	Not effective	Slightly	Moderately effective	•	
Simple, small merge conflict resolutions Simple, large merge conflict resolutions Complex, small merge conflict resolutions Complex, large merge conflict resolutions Merge conflict resolutions Merge conflict resolutions that require exploring code history Merge conflict resolutions that require little or no code history exploration Other(s):	Not effective at all	Slightly effective	Moderately effective	effective	

		ur merge conflict resolution tools?
HOW LISETLY WOULD THE TOLIOWIN	na chandes ne in voi	ir merne conflict resollition tools?

	Moderately				
	Not Useful	Slightly Useful	Useful	Very Useful	Essential
Better transparency in tool functionality/operations	0	0	0	0	0
Better usability	0	0	0	0	0
Better ways of filtering out less relevant information	0	0	0	0	0
Better graphical presentation of information	0	0	0	0	0
Better ways of exploring project history	0	0	0	0	0
Better terminology that is more consistent with my other tools	0	0	0	0	0