

Dawid Wozniak:

OK, so let's start with some information. So here you have the iterations. I've planned 4th iterations when the 4th is the final. The first that you participated some time ago. It was just the base here. Second it is what we are going to talk about today. It is improved based and mainly focused on the UI part. Here we'll focus, in the third iteration, on the functionality. Fourth version meant to be just bug fixing of the previous version and then comparison between version with the changes and without changes to see how much it's improved. Now, it is available to everyone, you just need to have nodeJS basically and then if you run this command, I will also send it to you as a message. Then you can just test it and report that you think it's good or not. I will just be going with this tool now. I remember that I said during the first iteration, but I will repeat it right now that we had the problem with the scalability and here, we solved this by simply limiting the number of comments that we analysed to 5000 latest comments. So, I'm going to show you today the repo that we work on, and you can see that the history is limited. In the next iteration, there suppose to be no limits. I'm working on that, but it is kind of side work for the project. So now, we can focus on the project, and I will talk about changes then I have some questions. So, when you open this new view, you can see that there is the number of repositories that we have, some of them are analysed. So, it's there basically it'll short the time. There is a footer. If you click on it, you can see the version. So, you can see that here it's the second iteration and the first bug fix. I will increment that when we go to the third iteration to be 30, then maybe 31, maybe 32. So which report do you want to see now?

Matti:

Platform core sounds best.

Dawid Wozniak:

So, let's open that. It's preloaded, but we still need to load it in the memory. Because of the way, how it works here. I can also tell you that it's not downloading or uploading the repositories, just download the tool then it runs on your local computer. It would be in temporary folder somewhere on your computer. Let's wait a second here. As you can see, we have a huge repo, so the problem is it's not the best view, but what I will do, first, I will just disable the animation because they slow things down. Then if I select any bubble, let's say, I will select the platform folder as you can see, we have the new tab that's called "commits details". It's what I'm basically responsible for right now. Here, they're supposed to be icons, but there are not visible and but, let's say ohh no, they are there, they just needed time to load. Sorry. So, what do you have here? We can search for any particular commit by message. So you can put any message saying like "disable", "fail" or maybe "failing". It's a good example. So then you can see all commits that includes just this word "failing" in this time frame. We display 20 commits by default. So now, you can also expand it there. It is how you can show or hide merge comments. For now, it's designed for GitHub so we don't use GitHub so that is why it does not take any effect. You can search by author but to know for who to search... there is no auto compilation, so you need to go here and let's say select top contributor then it will display them here and I see that in the latest 5000 commits. Who is the second most active contributor? It is Cody and if you want to just have Cody, you can just put his name here. Actually, he doesn't have any commit with the "failing", but some others. You can also filter by date, so if you have those 5000 commits and you don't use any filters then you can easily see here from which date to which date we had 5000 comments for this particular group. So, my first question is what do you think about this new tab view? Is it better than it used to be when it was connected with the General tab in the one tab?

Matti:

Yeah, I think that this one contains more useful information and I think it would still be nice if we could see the the commit hash. Yeah, the commit hash.

Dawid Wozniak:

Alright, OK. And why you think that it would be useful? You want to have commit hash, to bring it to to another branch, right?

Matti:

I just sometimes have a commit hash that you want to search for in this kind of history.

Dawid Wozniak:

And so, my next question is about filtering. So, we have these filters and now they are split kind of too. So here you can search for a part of a message and here you have other filters. Do you think that they should be displayed in different ways? Maybe we need more philtres more sorting or is it enough?

Matti:

The thing is, I don't know how often I'm looking for commit between like 2 dates but I don't know what kind of filtering would be useful. The thing is that usually I know what I want to do, I search for it and then I want to see all of the previous commits like just the normal commit history. Yeah, so we have just normal vie. This is exactly what you can access through GitHub or GitLab or other services like yeah website with kind of history. But then sometimes we have, you know, we here at Microsoft when we build the artefact, then we know then the the build get some version numbers and then you know which commits these builds are building up to like, which commit. And then I want to know if my commit isn't part of this build or not. If I want to create a release to test it in a production environment or staging environment, that'd good.

Dawid Wozniak:

Ohh, that's very good feedback. So, the next question is that here we just use the title of the public request so you can see that it's usually limited and its relatively short. There is also a description that can be very long. Do you think that we should use description for some extra information like extra information about the commit, extra option for filtering somewhere? There are many possible options to use this description.

Matti:

It is so... when they are already available that we should have them somewhere here. Yeah, I think you should definitely have those descriptions, but I'm not sure where. Are you able to truncate them? If they get too long or so here...

Dawid Wozniak:

For now, we just use the title. So the title is usually short. In our case, it is the title of the code request. If you didn't set it manually and then the description is there. But for now, we don't use it for anything else.

Matti:

Yeah, I guess you could have a button where you can click it or whatever and then shows the full description of the commit, right?

Dawid Wozniak:

Yeah. Yeah, that's possible. So then the question is that when we have those commits, we can build some keyword map or you can also see it as a tag cloud. So, when you have let's say, this commit from Cody and from this dates, you can build the most used word these might be like "fixed" or "refactor" or something else. Yeah. Would you think that it would be beneficial in any case in the configuration or some other kind of labelling information?

Matti:

I think it would be nice for auto completion like when you have to search in these commits. Then if you have all of the text then you can use those to suggest words. Maybe you should try to search for this one instead. Yeah for that purpose it could make sense but I'm not sure that it would make sense to like visualise which one of these texts are the most used etc. Yeah, like I don't know what kind of information you would get from that.

Dawid Wozniak:

OK, that's good feedback. So do you think that there is something else that I hadn't mentioned, something might be improve and you don't need to limit yourself just to this commit details tab, but say about the general product?

Matti:

Now when you see it maybe. Yeah, there is some connection missing or something is not good to access. Yeah. Can I see the filters again? Like with the date? Ohh yeah. Can you pick a timestamp?

Dawid Wozniak:

Here you can just pick the date so it's always starts from the midnight at this day and finish at the time of end of this day, it means that it's actually this is inclusive and this is exclusive.

Matti:

Yeah. So maybe it would make sense to add a timestamp as well.

Dawid Wozniak:

Yeah, that's possible.

Matti:

It would be nice as well if there was a drop down for the author, right? Yeah, that's something that we can use.

Dawid Wozniak:

It's not here because of the time limitation. But we have all this authors here. We just need to put them down to completion. Yeah, is there anything else? OK. If it's not, that's great. So of course, I would like to invite you to the next round. It will be probably after Easter. I'll be working to improve this all. And then the final integration is the most important because here I will actually show that my changes make or don't make any sense. Yeah, in this particular product, we still use the NPM system and I will send you the corrected version. Next time, I will also bring probably some chocolates and other stuff. So, I will kind of a little reward people to participate.

Matti:

Yeah, maybe next time if I could see the previous version as well because sometimes it's difficult to remember exactly what it looked like. Yeah, it's here important to look at the progress.

Dawid Wozniak:

OK, here it would not be that important, but it will be important later because then I will show you the same repo into version with the commit history and without it. You will see it and then you will tell me if it's beneficial to use the new version now.