

**Dawid Wozniak:**

OK, let's start. It is the 2nd iteration. Thank you for being here. So, I prepared here very brief information. So, the first round is finished. I created some changes and I'm going to show you the main changes that now we will talk about. We have a problem with the scalability so NAV or platform repositories, they are not fully supported. So, it means that only the latest 5000 commits are taken into account, into this visualisation. We were talking about it. Then there would be third iteration, we will have something like more commits taken or possibly, we do more things from your requests because we need time to implement more changes and there is the final comparison between the previous and full version. That's actually the most important part here so. If you know anyone who would like to still participate, you can just speak to me or bring them, ping me and then we can talk. Also, if you think that you would like to test this story just by yourself or some other project or just play with this without my assistance. It's available when you have NPM, you can just run this command `npm -y git-truck-beta@latest`. I will also present that version here. So, let's go to the tool and now here when you have the Git Truck, there is a difference between the like normal version git track and my version. So, my version is called "beta" and if you click here, you can see the version. It's not maybe very beautiful but the current version is there. It starts with 2 because it is the 2nd iteration. It would be three when will be third iteration. Now we have platform repository or whatever it's. We can analyse it. We can also analyse different branches. It takes a while to load here. I preanalyzed them otherwise here you will have "analyze". That is why it's not visible. Ok, let's load that.

**Enrico:**

So you mentioned 5000 commits and how back in time is that so it's from more or less?

**Dawid Wozniak:**

Yeah. So, I will show how to detect it, but it's 5000 commits starting from today and back to some points in the past that I will show you how to determine. And now it's just reading the file. So, it's actually not analysing exactly. You can see it now. First thing that I will do, I will just disable animations because there are so many files. We can also change the visualisation type, but it's not fast, so let's not do it now. So, if you just click on the biggest bubbles of the repo name, you can see very general information and here the thing that you have and it is new, it is a tab that is called "commit details". If you go there, you have all commits that are there. So, we scroll down and we can see that there are some more commits and it is from this day to this date. There is also the functionality to filter this list using "show merge commits" but it's by design. It doesn't do anything because it's designed for GitHub. So, in GitHub, you have this default different merge message than for our repo. So here you have like "Merge something" and then some branch. I think that this match will match our logic. This is why it does not work here and yeah, but the new functionality that we have is basically this tab. So now you can easily distinguish between what is there and what is new, and I will present what you can do here. So first of all, you can just search for whatever you want. So let's say, you would need to perform searching for "permission", just put "permission". You have just the commits that have this word inside the commit message. Then you have another, that's supposed to work, but it doesn't work because our merge technique is different. It's supposed to be different, so I change here. You need to actually know the name of the author by filter by it, so the author is what we have there and you can easily see this when you open the metric called "top contributor", let's do it then. It is still out going, but then you have some contributors that shows here it is just our aliases. So, let's say, that you are searching for me and you can just put my name here. And you can see what I did. You have also dates, so here you can choose OK, but I would like to search for something what happened just in this year, so starting from their first January. Yeah, then you can see only those. And so here I present some other suggestions. Your suggestion that you gave

me was that it's hard to distinguish between when the one commit and then other starts. So, it's fixed now, and there is the icon. The icon is not visible every time and it is because this commit messages are quite long. That is why it's cut. Maybe it should not be cut... And I have a few questions to you. So, what do you think about this tab view? Should it be a tab view or maybe something else?

**Enrico:**

I think it makes sense as a tab view. I think it's much improved from the first iteration. Also, the dates are much more visible, and they give structure so I can see me checking when last a file was changed or like how often is changed and things like that. And I really like the icon. I think it gives much better view on distinguishing where the commit starts, and I think it makes sense as that.

**Dawid Wozniak:**

So there is another question. What do you think about this filtering that I've shown you? So, you can filter now by information in the message. You can filter by author, and you can filter by date and you can also combine those in any way you want and there is also something that I would like to mention and you can tell me opinion about it in the next question, but now let's keep with this question because it's short.

**Enrico:**

Yeah. And I think these are the three main things that I would want to filter on. So, either author or date or commit message. So, I think as long as I can combine these three in anyway, then I think that's the most usage really needed. So, it's very good.

**Dawid Wozniak:**

OK, that's good. So, when you have your commits, so here, we just show you in our tool commit messages because I think that it's a nicely presented when you have a commit, we use just the message. So here it is like "remove something" but there is also description so here you can see that some feature was introduced as "temporary solution" and now we replace it with the real solution and this description can be very long. So, it's not even visible here in the tool, but if you have it. Do you think that it would be useful to use the description for something? Think that we might do searching the description when you search for commit messages, but then there is this issue that we need to somehow say OK, we show you this commit because there is something that might be related. Would you like to have with it or would it be more confusing for you?

**Enrico:**

So I don't think we should show the description. I personally almost never use I just use the commit title and the commit titles tells me which pull request the change comes from. So yeah, I want more information. I go to the pull request directly. I don't think we should show it. It's a good point for searching. It might be that in the search there are more information, but a lot of times if the message is very long for the description, you might get out of false positives, so I think it's not always good to add more search data. So I don't think it should be always searchable for me, my opinion is that we don't need it, but even if you decide to do it, I think you should be talking about like search additional fields or not required, otherwise you might get a lot of false positives, which is also bad, because then it means you cannot find what you need anymore.

**Dawid Wozniak:**

Yeah, and when you have those commit messages, just commit messages. Now without description, we might do some like tag map based on these commits so it can be dynamically generated. So, if you say, I would like to just see the commits with the "permissions" like I said then you can also see something more on that because I tell myself no, it is not enough, so you can also see like the tag

map showing you all the words that goes usually with the word permission, or you can show authors and so on. Would it be useful for you for anything, or you think that it is not helpful? Something that you would like to have in this product?

**Enrico:**

I don't think I would use this. I think it's always cool to see, but when it comes to actual applications, I don't think I would use it but the other thing which is which authors did the commits with like resulting from the search that could be more useful depending on the search cause. Then if it's like one of the things I mentioned last time as well that I think this product is useful for is for identifying owners and ownership of parts of code. So, if for some reason cannot identify from the files, but I still try to identify it from the commit, then it might be useful to actually see which authors contributed the most to these commits.

**Dawid Wozniak:**

OK. And that's a good point. So still, we need to add some information about the authors, but it's a little complicated. Even if we want to use this colour coding from here, it would be not that clear. Let's say here you have over 100 people and some colours are very similar. So even if I put like the small dot, you will need to just remember that it's assign this colour to this person. This is, why it's not here, but it's a good suggestion and other people also pointed that out. I think that we can go smoothly to the last question or almost last question. So, what can still be improved? If you look at it, there is something missing or now maybe you have some other ideas that you would like to add to this project.

**Enrico:**

Yeah. Can we look at the power BI folder inside W1?

**Dawid Wozniak:**

Um okay, so it is not there...

**Enrico:**

Then we want to look on power BI, think it might be inside other capabilities. Yeah, yeah. Basically, I wanted to see the zoom experience. How the zoom in experience works. OK. From the previous view it was not clear how it would look like once it was deeper. That's nice actually.

**Dawid Wozniak:**

If you go to the other files, those filters are gone, so you have like the empty tab one more time and now we have the limitation of 5000 comments so that is why there are only three commits. So we are still working on solving that. It is just what we want to show how much time we want to spend on anything else that you will still improve the tool.

**Enrico:**

So I think this looks very nice, first of all. When you hover over one of these bubbles, you see the file name, right? And also the last author. I guess here it is because it is a metric top contributor. Then you will give you a name of the person that have changed the most in this file, I think.

**Dawid Wozniak:**

Yeah

**Enrico:**

Will is there a way of getting basically the file name to show up always? I guess not because it will be too much text, right? So, it doesn't?

**Dawid Wozniak:**

It's not possible in this current view, but we might do it differently. The thing is that when you have the very small file and now the way how we generated it is like the ratio more or less. So, when you have the file, that it's let's say this one KB, and you have another that is 200 kilobytes. It's supposed to be like 200 times bigger, so you can imagine when you have a very big files and very small files then you have this problem that bubbles are very very small. Yep. Then I don't think we can fit files name here.

**Enrico:**

What I'm thinking is... When I get to this view, which is nice, I can see the top contributor so I can identify for example, like owners of different areas. Of course, let's keep out for a second that the limit on commits which we already mentioned. So, I think that's very nice and what I'm thinking is... what else would I want to see here and I can see the file names by basically covering and moving around the mouse. That's good enough I think.

**Dawid Wozniak:**

You can also search for specific file. You know the name, yeah.

**Enrico:**

Yeah. I'm on one thing. I'll tell you what I'm thinking about. I'm not sure it's a good idea. I'm still thinking to myself whether it would make sense and sometimes still when you're searching, you might want to exclude for example version like large files. For example, I might want to exclude large files because I don't care about them, I just care about small files. So, the other ways about them, I care only about like large files, because I want to see who like which files, but I don't know if I could actually use it, cause I usually don't filter on size, so maybe it's just not.

**Dawid Wozniak:**

There is possibility to hide some folders or you can hide some particular extensions. So, if you don't want, let's say this file to show up or not AL files, you can just click and then there will disappear.

**Enrico:**

That's very nice. Maybe that should be more visible down cause that that would have a lot of value. I think like it's very good feature.

**Dawid Wozniak:**

Yep. OK, so that's good feedback. And so I can tell you that we finish this and with the third iteration I will probably have some more changes and I will try to play with the number of commits. There are some others to play with the changes. There will be one big change there that I will introduce in the third iteration and then there would be just let's say bug fixing for forth iteration. Then we compare actual versions. That would be the most valuable iteration for me, as here I will make some of my work to my master thesis. Thank you. One more time that the end of the meeting and hopefully we will see each other two more times to talk about the 3rd and the 4th version. So I will stop the transcription now.