

Minutes – Jakarta EE Future Directions Interest Group

12 December 2024, 05:08pm

Summary:

1. Reza shared the [Jakarta EE 12 – Google Slides](#) deck and [Jakarta EE 12 – Google Docs](#) document and led a discussion on the possible content for the next release as well as the importance of clear milestones, goals, and content.
2. We had a brief discussion on the potential of AI and the position of several that our working groups should hold off for now at exploring AI with Java. See the shared [MicroProfile AI meeting discussion](#).
3. The group discussed how best to increase uptake with developers, using the interest group as a place to explore strategies.

Transcript

- **Neil Patterson** started transcription



Neil Patterson 0:04

Have to reconnect and read to the terms.

And I will.

So.

I don't have anything. I, as I say, other things have gotten the way. So if you it sounds sounds like at least looking at the jaccardi 12.

Information would be good because that can maybe help us to understand some where where people are thinking in the next.

Have you know where things are going? And we can, you know, potentially look at the AI.

Information as well.

'Cause that that is a topic that I know is is on our list of things to look at and I know the micro profile team has been looking at it too, so.

Resident did you want to share on anything on the did you want to share those slides or?

And kind of give us an overview.
Oh, you're on mute? Yeah.

RR **Reza Rahman** 1:15

More than happy to try to do that near the scope, a little bit of warning on literally using my cell phone as a hot spot. So the apologies if the connectivity is bad, so at least let me know if the connectivity is bad. I'll turn off try to turn off the video. I try not to talk on off camera it just you know makes makes a bad situation even worse. So yeah, so I will, I will try and do that.

Neil, so let me open up these two things and I will sort of share.

What what my objective is not to necessarily spoon feed everything here, but what I'll try to do is explain at a high level what these documents are, because I I expect people will have different opinions on these things and that's fine and par for the course. So let me share my screen.

K Hopefully you can. You're able to see my screen.

NP **Neil Patterson** 2:12

Yes.

RR **Reza Rahman** 2:12

Yes, OK. Alright.

So first let me give you a little bit of context.

NP **Neil Patterson** 2:18

It just disappeared.

RR **Reza Rahman** 2:20

Oh dear, oh man.

NP **Neil Patterson** 2:23

I can share it if you want.

RR **Reza Rahman** 2:24

No, no, it's OK let me try one more time then maybe I I might take you up on that.

NP

Neil Patterson 2:28

OK.

RR **Reza Rahman** 2:29

OK.

Did that work?

Are you able to see anything?

NP **Neil Patterson** 2:41

Yeah, I see the jaccardi future directions.

12 bytes.

RR **Reza Rahman** 2:49

To the document, hopefully, and now you can see the screen. I can see the slide.

NP **Neil Patterson** 2:52

Yeah, the documents in a separate tab, yes.

RR **Reza Rahman** 2:56

OK. All right. So let me figure out what the.

Light show special again. There we go. OK.

All right, let me explain what's going on a little bit and some of you may be aware of this context and some of you may not, right. So for us, you know right now from Microsoft perspective, Jakarta is at a crossroads.

So we've had, you know, a few releases EATE 9 E 9110 and now 11. And of course, we have been keeping an eye on things all along from a customer standpoint and community standpoint to understand.

You know where things are with regards to E, so EE obviously is important to us, right? Microsoft wouldn't be here if you know, be here with all of you and spending in investing our time and money. If we didn't think it was. So we do keep our fingers on the pulse and right now it's, you know, I I heard a word from a politician that was really apartment. It's a time of both at risk and opportunity. Right. It depends on which Rd you take whether it's a risk or an opportunity and.

Get it and how you react, but what what we have observed is that.

Honestly.

EE So far has succeeded Jakarta for using. When I say EI mean Jakarta E is has both succeeded and not succeeded in some ways it's succeeded in the sense that people that are still adopters.

Especially ***** adopters and really paying close attention. Those people are convinced that, OK, this thing isn't dead right. I don't need to abandon it. I can. I can. I can stay with it for a little while.

But the issue is those people themselves are under pressure because the to the broader ecosystem, it is still a question mark whether you know E 11 EE has a strong future and whether it's going in the right direction or not. And even inside of, you know, Microsoft, when I talk to my colleagues and these are colleagues that are in the Java ecosystem, right, they have the same questions, they cannot safe with clarity.

That E is going in a good direction and it has a strong future and I suspect if you have a honest conversation of people outside of your bubble that are Java champions and Java Community members, they'll probably tell you the same thing, right? So what that means is like this many years into it, it's a bad sign. It's not the best of signs that this is where we are. So from Microsoft standpoint, something needs to change and and we do believe that that the time to begin really think about and begin to make those changes is now and any talk going forward.

So This is why so it's a question of, OK, So what is that we need to do, right, what what is it that can be done forget about, you know, resourcing and you know all of our complicated organisational situations and what not if you if you can afford to take a theoretical academic bubble, what is it that you would do?

You know, to put this platform in the right direction. So this is really what I've done right with the with this, this is the objective of these two artefacts that I'll briefly go over with you. We're not going to the exact details of everything, but this is really what what its objective is, it's it's to have a viewpoint and opinion about what we need to do in E 11 in order for things to be maybe kind of sort of succeeded to definitely this thing is has succeeded and you know we all have a bright future in in. Five to five to 10 years from now, so in this slide deck, what I've done is sort of my viewpoint of what should have been like sort of the official position positioning. And I hope in the in maybe in a few months will be the official declared scope of E12. And so that's what this this thing is

about. Yeah, I'll briefly go over it without.

Details. I'll explain in a little bit what what rationale for what these things are. I'm hoping for. I believe we should aim for a a delivery date of Cy 2016. The reason for this is explained in the in other artefact that I'll talk about in a moment, it is to keep cadence and stay competitive with the rest of the ecosystem, in particular Java SC.

Job SC cadence LTS cadence.

And then there's the key themes that I believe we should or we believe we that EE 12 should be aiming for. So again, it's along the lines of staying up to date with the SC cadence. So adopting SSC 21 and SC25, if you do some projections, that's where you'll fall. If we aim for Acy 2016 date, one of the things that we need to definitely make sure is fully adopting.

SC11, which is now, by the way, one year old, right even older because the SC folks tend to release their Rd maps way early, right? So one of the things I think we definitely need to address is adopting this stuff that actually makes sense. Adopt records being one of them and that, believe it or not, is not fully adopted.

I think EJB has been a marketing headache for a very, very long time and and to me it's a big problem because the longer we like to have this EJB baggage, the the longer we're perceived as yesterday's technology perceived as J2E and J2E Java E That's it's not a good brand. It's not a, it's not a brand that people think associated with the future.

So send finally putting EJB to the side right and we can argue about what that means. But sending the signal that we are putting HIV to the side. That definitely sends a message about, you know, where we are, you know where we're going and and the fact that it is clean break from the past, right, that's possibly the strongest signal you could send. So I believe we need to take this seriously and and get that done.

 **Neil Patterson** 8:58
In the past.

 **Reza Rahman** 9:07
The.

So the rest of these are things that are things that we could do, things that is in our immediate time frame.

Or what can we do to make this interesting from an industry standpoint? What is it that we have at hand that we can work with to make so make the industry think there's interesting stuff going on here, right? So one of those ones is modernising messaging. It's all the bits and pieces are there. There's potential we could make this happen. We could, you know, sort of have the at least begin an interest, interesting dialogue in the industry by modernising.

Something that we already have that actually has a decent brand or at least in the near past has had a decent brand and that's the Jack of the messaging.

Similarly, it's a like similar to EJB that the configuration the way configuration is done today, kind of sort of with XML kind of sort of with Java. It is very 90s, right? So we need to, you know, get away from this as quickly as possible and modernise configuration. And we've had the intent to do that. I think we need to finally do that. And that is another signal in terms of usability to say.

Yeah. We are making foundational changes for this technology to make it future looking and not, you know and and making a clean break from what was J to E and what was the past.

I do think we need to deprecate begin, begin the process of deprecation of the old craft, right? And yes, we're all going to have opinions about what this is, but ultimately you have to make you know from a product standpoint if you think of the other product, you need to make a decision of how long you're going to count on the people that have been with you. But these people are probably not if, even if these people stayed with you, you may not have a future, right? 'cause it's not enough people. And so I think we need to make a bite the bullet at some point, just like ASC has and get into a aggressive deprecation schedule, right? And we can talk about how we maintain backward compatibility and so on. You know, that's all good decision. That's all good discussions. But foundationally, I do think we need to begin to really Chuck all the craft, Chuck, all the old stuff and that's yet another way of signalling signalling to the industry that this is a new, this is a technology that's looking to the future.

And it's OK and it is willing to make a a break from the past. So that's what that is.

Now the reason is the reason I I have the other artefact that I'll share

with you is so that I don't have to repeat the same thing. Same spiel that I that I just did with you folks, right? So this actually talks about the rationale behind what went into that deck. So again, I don't want to go into too much detail. I'll I'll just.

You should take a look at this I I hope I request that you take a look at this out of band and come to your own conclusions.

I'll just talk to you a little bit about the highlights of this. So if you look here, this is very troubling. When I look at it right, aside from the qualitative data we get from customers, quantitatively the data that I trust that you cannot fake, you cannot get around is something like Google trends and it's really.

Depressing state of affairs, right? So this curve here spring would like and you can see the tiny like a line almost at 0 level. Take this out.

And this is a situation where Jakarta and Michael fall for the past five years, five years or so, it's stagnation. And that's really what it is. If you look at if I put Java in here, what you'll see is a declining curve and pretty sharply declining curve. So we're looking at stagnation and we need to like, do it, recognise that it's stagnation and you know, figure out if we do something about this, what is it that we do?

Let me see. This is about why we need a cadence. This is why we need to align with job ASC. You know, when I talk to you about our records, you know this is like cases of records is using it as as what's called dtos.

And guess what? You can't do that in the heat of an in a standard way 'cause this thing. As you can see, is still open, right? And it's such a minor change, right? It's this we need to. I hope we addressed very, very quickly. That's another thing I wanted to highlight for you.

This is about EJB.

Me and what I believe we need to the the direction that I need to go. So I have a request. Please don't comment on this document, it's not scalable. You know I I cannot scale document discussion reasonable and complicated discussions in this in this document, right? I mean if you're just a random person, like this guy on some, I don't know who that is, right. I know who toviias is. I don't think Tobias needs to have a discussion in this document.

I think let's have the discussion here. We have a mailing list. You know you have a way of reaching out to me, but it's of the discussion there. Instead of doing this please.

Oh OK, the same issue, right? It's it's a very troubling.
Thing.

If you're you look at.

If you know the history behind jmsi, don't think even was the de facto standard when people talked about messaging in Java. Look at the situation today and what has been in the past five years.

I mean, it's again you look see this barely a live line. And like in the 5% neighbourhood and take a look at what's happening with something like Kafka, right. How do we change this? Right. If we want to be relevant in this space, this has got to change.

Same thing. So this is more about, you know, the technical details of like what to do with.

With messaging.

Why is configuration important? We talked about this, talked about what that is, but again explain to you in greater detail.

Why does deprecation matter? You know, we that's a little bit of an exclusion of what that is as well. OK. All right. So I'm going to stop there. Yeah. I don't want people with a whole bunch of information. I, you know, at some point, it's like you're probably just listening to. It's becoming noise rather than signal. So, yeah, I'll, I'll stop there. And you know what I request is you take a look at this document out of band. The other thing I'll I'll briefly go over.

NP **Neil Patterson** 15:43
OK, OK.

RR **Reza Rahman** 16:04
And then I will stop.

So I I know inevitably we're going to talk about.

Standardising AI right, in fact, the the microphone people are doing just that.

Again, people will have their opinions and.

All good and fine. I just want to tell you that Microsoft.

IE and Ed and I've talked to you internally with the people that work on open AI on some of these things, I request that you at least take take a look at what our position is.

You know what additional AI at this time, this is actually good because

this thread is very representative of what the discussion flavour of discussion will actually wind up being right. So in in a way, you know if this.

Both that I have is in a very good context because potentially you could also counterbalance with our position with maybe another position, right? But I'm just sharing this with you, just to let you know that you know, if you're wondering where we stand, you know this is what it is, right? So and there was some I think healthy discussion around around stuff here too, OK. All right. I'm gonna stop there, Neil.

NP **Neil Patterson** 17:14

Yeah. No. Yeah. Well, thank you, Reza, that you know, both both aspects of the forward thinking around Jaccardi 12.

And what potentially we could see as a priority is, is is great and then you know from my perspective the the discussion around AI and alternative ways of.

Integrating AI into your Java applications.

Is important we, you know.

It it's it's it's very topical.

But I I I appreciate your position about, you know, maybe it's not the time to be considering full blown, you know spec work and so on around.

That around AI within either microfiler or jaccardi.

Wait and see what's what's actually.

Going on.

In the industry and how things are evolved.

Anybody else any, any thoughts on what we've discussed today? What Reza presented?

Tobias, Michael.

MR **Michael Redlich** 18:35

Yes, I I thought that was.

You know great, you know, foresight as far as you know, getting rid of BJP because a lot of us old timers still that remember all that back in the day.

You know, of course, the young, the young folks though what what you know their their first reaction is going to be what DJ be.

So you know, they hopefully they won't even get exposed to that, but but yeah, I that's that's an excellent point on you know evolving the ego

system.

1st So yeah, if can we get the the document and the slides.

Or put it up on. I don't know if.

RR **Reza Rahman** 19:15

It's it's, it's it's, it's there in in the chat.

Mike, so if you're part of the officially part of the meeting, you'll you'll still be able to see this, but I noticed some people are unverified, like will and Tanya, just so you know. And Tobias, just so you know, when the meeting ends, you will no longer have access to these these links. So I suggest, you know, maybe just, you know, opening it up in your browser and bookmarking it. But it is in the chat, it's all in the channel.

MR **Michael Redlich** 19:21

Oh.

OK. Oh, here it is. Yeah.

NP **Neil Patterson** 19:44

I'm kind of new to teams. Is there a way to verify people or?

MR **Michael Redlich** 19:45

OK.

RR **Reza Rahman** 19:49

Yeah, there is. You need to officially add them in into the meeting into the meeting request, and they also need to join the tenant like whichever tenant that you're using for this meeting, they literally need to join that tenant. That's very how, that's how they'll be verified. It's a little bit little bit complicated. The reason is like Long story short, it's intended for enterprise usage and you know in an enterprise you want to be very cognizant of privacy and you know not giving people any more access than.

MR **Michael Redlich** 19:58

OK.

NP

Neil Patterson 19:59

OK.

RR **Reza Rahman** 20:17

They actually need.

NP **Neil Patterson** 20:17

Sure.

WL **Will Lyons** 20:20

So you're I'm showing as unverified and not your I see.

NP **Neil Patterson** 20:26

Yeah, but but I I will add you into the meeting. So right after this, I'll.

WL **Will Lyons** 20:30

OK.

Thank you for preparing that material, Reza.

I I mismanaged my tabs that that that's the level of technical expertise on generating this meeting.

Can can I get the link to that AI discussion? I don't think I have that one.

RR **Reza Rahman** 20:56

So is it is also posted in the chat room.

WL **Will Lyons** 21:00

Yes, I dropped and then rejoined to chat and saw.

RR **Reza Rahman** 21:03

Oh, I see. OK, OK, OK. So you lost it all the context. So let me do this for your sake. Yes, Sir.

WL **Will Lyons** 21:08

I have the first three lights. I'm only missing the the AI discussion.

RR **Reza Rahman** 21:13

OK, I will do. I will post all of them just in case other people have the same issue.

WL **Will Lyons** 21:20
OK.

RR **Reza Rahman** 21:21
And then if I may ask Neil a favour and maybe if there's meeting minutes, if you could add these links there, but I will.

NP **Neil Patterson** 21:27
Yes, I will.

RR **Reza Rahman** 21:30
Based on the thing just for everybody else's sake as well.

WL **Will Lyons** 21:34
Thank you, Reza.

RR **Reza Rahman** 21:35
OK.

NP **Neil Patterson** 21:42
And sorry, I was just looking. OK, yeah, I'll. I'll include these in the the Minutes that I send out.

WL **Will Lyons** 21:51
And just a a minute, can I may just make that one knit comment. I thought App client was already deprecated. Am I mistaken?

NP **Neil Patterson** 21:52
Right and.

RR **Reza Rahman** 22:00
Sadly will it is not. Yeah, it's the more. Yeah, going, going not going to long history. But like there was always a weird thing that we added back in E6 and we never got rid of it.

MR **Michael Redlich** 22:04
Right.

WL **Will Lyons** 22:04
OK.

NP **Neil Patterson** 22:07
Doesn't want to die.

MR **Michael Redlich** 22:11
Yeah.

WL **Will Lyons** 22:16
Great, but I thought I used the term deprecate to mean earmarked for removal and I thought I thought.

RR **Reza Rahman** 22:23
Oh no, it's like, fully, fully alive and well.

WL **Will Lyons** 22:27
But so it's not even earmarked for removal. Is that what? OK. Alright, thank you.

RR **Reza Rahman** 22:27
From it, no.

NP **Neil Patterson** 22:32
Yeah, I can't tell. You didn't put put in that. She thinks it's planned for 12. But again that we that's what we've kind of been discussing, right so. I'm Tanya. I don't why you're unable to to unmute.

MR **Michael Redlich** 22:49
Yeah, I just, I just sent the response I I needed to.
When I hit the the MIC button it said do you agree to the recording disclaimer?

NP

Neil Patterson 23:00

Oh, OK.

MR **Michael Redlich** 23:01

Yeah, that's that's that's why I was able to get it.

NP **Neil Patterson** 23:08

Any thoughts before we?

Kinda. Almost at the end, but.

TF **Tobias Frech (iJUG)** 23:15

Yes, I'd. I'd be interested.

If there has have been any, any thoughts on the strategy?

How to move the platform forward and and to get?

An uptake in developer interest.

Generally.

RR **Reza Rahman** 23:47

I guess if there's no takers, Tobias. That's what this venue is. Actually, this is what this effort is really about. And of course, you know, we've been thinking about this all along, at least from a Microsoft standpoint.

NP **Neil Patterson** 23:47

I know we've.

TF **Tobias Frech (iJUG)** 23:59

Yeah. So.

If I look at the the the landscape right now.

I think.

The Jakarta E platform has a very strong point in the backward compatibility stories, and that is still where we.

Have a lot of users. I guess most of the current Jakarta EE users.

Are maintaining existing software.

So if if.

If if you're starting a new app, probably you go with. I don't know spring or quarkas microprofile something like that.

To compete in that area.

We would need.

A really good idea, a very strong commitment from multiple vendors and so on. A lot of things.

Why not think about where we're strong right now?

And.

Think about how we can.

Improve that story of Jakarta EE is a good long term selection for maintaining software, for example.

If you migrate a spring boot application right now.

And your developers, as many did, choose to use hibernate directly, not spring data as it is recommended, but you know.

It's so easy.

Do you have something else in springboard and people do, and so you're out of luck and you have to migrate a lot of code by hand. It's not just search and replace, you have to transfer APIs and hibernate from old to a new version and that's a big hull. And if you maintain software you don't get time and effort and so on for for this because.

No new features.

And so on. You know that story.

Now.

If on Jakarta E you wouldn't have that problem because you if you stayed within the standard.

There's always it's backwards compatible. And why not? Think about how to make it easier to maintain software to fix bugs to.

Optimise performance to kind of.

Scale out or or stuff like that and also to migrate to future versions.

And so the strategy from there would be if that is a great story, then we could say this is a strength and.

Try to capture the mind of developers and and say if you want to do something that probably needs to be maintained for a long term, then there are all these nice and things in in spring and quarters and whatnot. But what you really want is independence of one single software render and.

You also want.

If you want to maintain that software, you want to your your life to be easy and not to be on.

A sidetrack.

Of the development and so on.

NP **Neil Patterson** 27:52

Right, right. And and I mean to to your point, if it has to be maintained for multiple or many years.

The chances that the same person or even team that originally was creating it still around to do the updates is next to nil so.

You know, having standardised work or developed using a standard standardised environment.

And the tools that support that standard will.

Enable a future team to to be able to do the updates and so.

WL **Will Lyons** 28:44

So.

NP **Neil Patterson** 28:45

I I do, I do think we also, you know, some of the changes that are that need to be made to you know around eggs and other other depreciate things we are looking at deprecating.

Moving in the direction of more cloud native.

Approaches.

We'll make Java.

You know enterprise Java jaccardi a.

Move it in the direction of being able to do net new develop, but I like that idea of you know positioning it as the.

The platform for.

Developing.

Applications that need to persist for a long, longer time. I think that's that's a good point.

Anyways, I do see that people need to to jump.

Our next meeting will be on.

January the 10th.

So have a great holiday for those that are celebrating the Christmas break.

And and we'll see you all in the new year.

WL

Will Lyons 30:05

Thanks all.

RR **Reza Rahman** 30:05

Neil, we only have make a suggestion. Can we like have a action item for possibly for everyone to review these artefacts, you know, come up with their thoughts and then maybe continue the discussion going forward. So we have from my perspective that would be the ideal outcome.

WL **Will Lyons** 30:28

OK, that makes.

NP **Neil Patterson** 30:29

I will include that in the in the Minutes.
There's an action. Great.
K Well, take care everybody.

MR **Michael Redlich** 30:44

OK, have a great holiday everybody.

WL **Will Lyons** 30:44

Thank you.
Bye bye.

MR **Michael Redlich** 30:47

Bye bye.

□ **Neil Patterson** stopped transcription