

TT-minutes-20150907

This meeting hasn't happened yet:

Agenda

- Charter Review: [Tools Team Charter](#)
- Confluence progress
- Jira vs Trello vs writing on the back of our hands
- Tools Team co-ordination with BIT
- Build Tools
- UML Modeling
- Debugging and Analysis
- Automated Testing (CIAT?)
 - One concrete issue that I think the tools team ought to look at is the continuous integration and/or automation of building binaries with the artifacts from Eclipse around Common API.
 - I'm close to completing the template for an automated test suite for GDP: [TAP test suite \(perl test harness\)](#)
 - I'd like feedback and testing
- GENIVI AMM
- Topics to raise at AGL AMM this week?
- AOB

paulsher1ood	== GENIVI Tools Team Starts ==	1 3 : 00
*** philrob has joined #automotive		1 3 : 00
paulsher1ood	anone here? :)	1 3 : 00
philrob	hi there !	1 3 : 00
paulsher1ood	hi philrob	1 3 : 00
paulsher1ood	this time i managed to post an agenda... which begins by reviewing the charter (https://genivi-oss.atlassian.net/wiki/display/TOOL/Tools+Team+Charter)	1 3 : 01
paulsher1ood	the main reason i added this was i wanted to be sure we're workign on the right things	1 3 : 02
paulsher1ood	afaik we've had (almost) no discussion on somoe of the tools mentioned there	1 3 : 02
paulsher1ood	i wanted to check if we need to modify either the charter, or our work or both?	1 3 : 03
paulsher1ood	philrob: do you have any view on this?	1 3 : 03
philrob	not at this point	1 3 : 04

paulsher1ood	ok	1 3 : 04
paulsher1ood	if others have no comments either i'll proceed to the rest of the agenda	1 3 : 04
*** pavelk has joined #automotive		1 3 : 05
philrob	except the question of commonapi tools	1 3 : 05
*** BjoernC has joined #automotive		1 3 : 05
paulsher1ood	(the agenda includes line items for the topics from the charter)	1 3 : 05
paulsher1ood	philrob: please go ahead	1 3 : 05
philrob	as every knows, common api tech and tooling are central to genivi, how to disseminate it is very important, how can the tool team improve this ?	1 3 : 07
jeremiah	hi!	1 3 : 07
paulsher1ood	philrob: not sure i understand the question?	1 3 : 07
jeremiah	philrob++	1 3 : 07
jeremiah	I think Philippe is referring to the Franca / Common API deliverables that right now come out of Eclipse	1 3 : 08
philrob	@jeremiah: are the ++ for common api topic ?	1 3 : 08
paulsher1ood	i agree they're important, but can you highlight the problem/issue specifically?	1 3 : 08
jeremiah	This does not fit well in a continuous intergration environment.	1 3 : 08
jeremiah	philrob: yes, this is an important topic I feel.	1 3 : 08

pavelk	one can use command line tools with capi-c++ 3.1+	1 3 : 08
pavelk	I acutally tried this	1 3 : 08
paulsher1ood	jeremiah: maybe it's an advantage that we don't have one yet? :)	1 3 : 08
pavelk	the only dependency is java	1 3 : 09
jeremiah	:)	1 3 : 09
pavelk	...and libc, etc.	1 3 : 09
jeremiah	pavelk: How does one do this?	1 3 : 09
jeremiah	Ah, its in the new version.	1 3 : 09
pavelk	there are binaries on yamaica update site	1 3 : 09
pavelk	they only require java and bundle the rest of dependencies inside them	1 3 : 09
jeremiah	Okay, excellent. We ought to have a write up on that for the BIT perhaps.	1 3 : 09
pavelk	with the tools one can generate the code	1 3 : 09
jeremiah	Can one use an Open Source Java?	1 3 : 10
*** gunnarx has joined #automotive		1 3 : 10
pavelk	I will eventually have to put together a setup where this works as a part of a yocto recipe	1 3 : 10
jeremiah	Oh really?	1 3 : 10

pavelk	I have some ideas by now, but will have to come with the first versino of the generators for capi-c	1 3 : 10
jeremiah	That would be great to know more about since it might get incorporated into any proposed CI system	1 3 : 10
pavelk	openjdk works just fine	1 3 : 11
jeremiah	Jacques Guillou developed a tool to do this too, I don't know if it is maintained	1 3 : 11
jeremiah	I can ask him what he did and get him to write an email?	1 3 : 11
gunnarx	there is an open TT topic on integrated java/capi tools...	1 3 : 11
paulsher1ood	philrob: what did you mean by disseminate wrt this, please?	1 3 : 11
gunnarx	are you up for it pavelk ?	1 3 : 11
pavelk	gunnarx: up to what?	1 3 : 12
philrob	I mean advertize and promote the techno with other communities	1 3 : 12
gunnarx	figuring out how to do it	1 3 : 12
pavelk	yes, this is what I will eventually need for capic	1 3 : 12
paulsher1ood	i guess we *could*, but that's maybe a more egeneral question than commonapi? why would we do that for just this?	1 3 : 13
pavelk	what is currently not quite clear to me is the best / recommended way to use java as a part of the build tool chain on the host	1 3 : 13
pavelk	there are several way that work, but I will have to research the current state of the art a little bit more	1 3 : 14
pavelk	(the above is in the context of yocto build)	1 3 : 14

pavelk	in a summary, generating capi code with yocto boils down to installing two additional tools as a part of the tool chain on the host	1 3 : 15
pavelk	one is java and another one is the generator binary provided by e.g. capic-c++	1 3 : 16
paulsher1ood	similar for baserock, i expect. but who would maintain the results?	1 3 : 16
pavelk	nobody?	1 3 : 16
paulsher1ood	is that a solution?	1 3 : 16
pavelk	the only things to maintain would be the recipes	1 3 : 16
pavelk	the generated code is throw-away	1 3 : 16
pavelk	the generators would have to be maintained by the capi projects	1 3 : 17
paulsher1ood	ok	1 3 : 17
gunnarx	I see pavelk is also (the only) participant on the Trello card in question. Sorry I came in late - I am now caught up on the logs, all is well. :)	1 3 : 17
paulsher1ood	:)	1 3 : 17
paulsher1ood	so i think you have actions pavelk - do you need any help on this?	1 3 : 18
pavelk	I will ask once I bump into questions--thanks	1 3 : 18
jeremiah	Its likely part of his Common API C - PoC	1 3 : 18
jeremiah	:-)	1 3 : 18
pavelk	yep :-)	1 3 : 18

paulsher1ood	can someone comment on philrob's question about dissemination?	1 3 : 18
jeremiah	I believe the dissemination in question is how to get the common API generators out of Eclipse	1 3 : 19
jeremiah	Without human intervention	1 3 : 19
paulsher1ood	he mentioned promotion too?	1 3 : 19
pavelk	I was thinking about a conference talk (elc or als) for the next year about capi in general	1 3 : 19
pavelk	but this is very fuzzy for now	1 3 : 20
philrob	who knows why Franca moved away from Eclipse ?	1 3 : 20
pavelk	???	1 3 : 20
gunnarx	philrob: it hasn't moved from Eclipse afaik?	1 3 : 20
jeremiah	I thought it was going to be an official plugin?	1 3 : 20
pavelk	they moved to github	1 3 : 20
gunnarx	It moved some repos from google code however	1 3 : 21
pavelk	afaik, they still wait to become an official eclipse project	1 3 : 21
gunnarx	because google was shutting down that service IIRC	1 3 : 21
jeremiah	That's because Google Code is going away, no?	1 3 : 21
gunnarx	right	1 3 : 21

gunnarx	pavelk: your line starting with "in summary" is a solution. yocto by convention builds all the tools to minimize host dependencies so I think people have assumed that also java would be built and that it would be difficult (never heard why), but placing it as a host dependency might be acceptable.	1 3 : 21
pavelk	well, both is possible	1 3 : 22
pavelk	some folks (e.g., Mark Hatle) suggest the shortcut of using prebuilt binaries	1 3 : 22
gunnarx	I'd welcome analysis of each option by someone. I only hear "it is hard" with little details from the baseline maintainers.	1 3 : 22
pavelk	alternatively, meta-java could possibly be used to build it from scratch (need to check, though)	1 3 : 22
gunnarx	philrob: you're right, EclipseLabs is apparently shut down, not only google code (according to mail from klausb)	1 3 : 23
gunnarx	philrob: Anyhow, that's the reason and I suppose it does not affect us much	1 3 : 24
philrob	agreed	1 3 : 24
* paulsher1ood has added a card for 'dissemination of common-api' https://trello.com/c/WbkjiXl7		1 3 : 24
philrob	thx, Paul	1 3 : 24
paulsher1ood	ok,... please let's move on	1 3 : 24
gunnarx	ack	1 3 : 24
paulsher1ood	= Progress on Confluence =	1 3 : 24
paulsher1ood	i have migrated the content that i created now, including minutes	1 3 : 25
paulsher1ood	it took me a few hours. i would rather not do this again :(1 3 : 25
*** toscalix__ is now known as toscalix		1 3 : 25

paulsher1ood	i see several parked cards for this... can they be brought to life again?	1 3 : 26
pavelk	I was hoping to have the hierarchy / organization fixed before starting the big migration	1 3 : 26
pavelk	otoh, migrating local page hierarchies would probably work as well	1 3 : 27
paulsher1ood	we were told that the organization wouldn't affect anything	1 3 : 27
paulsher1ood	iirc	1 3 : 27
pavelk	...unless the page hierarchy and possibly naming does not matter	1 3 : 27
pavelk	correction: do matter	1 3 : 28
gunnarx	moving pages between spaces should be easy	1 3 : 28
pavelk	so, what are spaces then	1 3 : 28
pavelk	should each topic create its own space?	1 3 : 28
jeremiah	I think for now, yes.	1 3 : 28
gunnarx	joel! :)	1 3 : 28
jeremiah	heh	1 3 : 28
jeremiah	There is a bit of a chicken/egg problem	1 3 : 29
jeremiah	No data means no hierarchy.	1 3 : 29
pavelk	I will probably move a local capic hierarchy to /somewhere/ on the public wiki	1 3 : 29

jeremiah	So if we can start to use new projects as templates for organization	1 3 : 29
paulsher1ood	well, ok. but at this rate i feel that one of things i'll have to report re tools team at the amm is that we almost got our wiki content tidy!	1 3 : 29
jeremiah	pavelk: I've asked for a JIRA for you	1 3 : 29
pavelk	jeremiah: we do have the old hierarchy (in two places meanwhile)	1 3 : 29
gunnarx	re page names: the only thing I've noticed on GENIVI wiki is that the search box has a global namespace. So it's not good to have an "unimportant" page inside an "unimportant" space to be named as something else that 80% of people are actually searching for.	1 3 : 29
pavelk	jeremiah: thanks for jira	1 3 : 29
jeremiah	gunnarx: Good point.	1 3 : 30
gunnarx	people end up on the unimportant page...	1 3 : 30
philrob	FYI joel said last week he would prefer waiting for +2 weeks (until 24 Sep then) before populating confluence on a wider scale	1 3 : 30
pavelk	the other thing that I would prefer to have fixed asap is the URL to wiki pages	1 3 : 30
gunnarx	that said, for the public wiki I'd still propose simple setup, quite flat hierarchy, and straight forward names (i.e. not GENIVISysInfraGroupComponentXMeetingMinutesMeeting20150101)	1 3 : 30
pavelk	otherwise it is difficult to point to them from elsewhere (internal wiki, readmes, etc.)	1 3 : 31
* paulsher1ood doesn't know what to say on this		1 3 : 31
pavelk	gunnarx: simple setup is ok, we just need to point to one	1 3 : 32
jeremiah	gunnarx: Shouldn't it be GENIVI/SI-EG/Component/ ?	1 3 : 32
paulsher1ood	shall we leave confluence for 2 weeks, then?	1 3 : 32

gunnarx	+1. the current statement is "start migrating content" but I'm not sure I agree that it really works. Stable URL soon I hope.	1 3 : 32
gunnarx	jeremiah: afaik, slashes appear only if you have a separate space	1 3 : 32
* paulsher1ood wishes he'd never introduced the topic		1 3 : 32
gunnarx	paulsher1ood needs thicker skin. no offense :)	1 3 : 32
gunnarx	you want to move on paulsher1ood ?	1 3 : 33
paulsher1ood	always :)	1 3 : 33
gunnarx	:)	1 3 : 33
paulsher1ood	= Jira vs Trello vs writing on the back of our hands =	1 3 : 33
paulsher1ood	we've been 'using' trello. but now there's a jira too. are we going to switch? or use something elsee?	1 3 : 34
pavelk	my personal efficiency is inversely proportional to the number of tools used for the same purpose	1 3 : 34
gunnarx	hope everyone else was ready to move on... I only asked if we should...	1 3 : 34
CTtpollard	pavelk: +1	1 3 : 34
philrob	FYI the stable url will come once the ongoing RfQ for hosting is completed, (hopefully end of September)	1 3 : 34
paulsher1ood	RfQ for hosting?	1 3 : 34
philrob	this is a IT-infra question (no more comment on this)	1 3 : 35
paulsher1ood	ok	1 3 : 35

paulsher1ood	jira vs trello or something else?	1 3 : 35
gunnarx	no opinion	1 3 : 35
philrob	fyi you can do in jira same todo list as in trello	1 3 : 36
pavelk	from what genivi currently has to offer, I would prefer to go with jira for capic issue tracking	1 3 : 37
pavelk	by extension, i would prefer to stick to this tools for other issue tracking as well	1 3 : 37
paulsher1ood	jeremiah: ?	1 3 : 37
jeremiah	:-)	1 3 : 37
pavelk	unknown tool ":-)"	1 3 : 37
jeremiah	I'm going to use what everyone else uses.	1 3 : 37
jeremiah	╰_()_╯	1 3 : 38
pavelk	jeremiah: cool	1 3 : 38
paulsher1ood	so that seems to be +1 for jira, no other preferences?\	1 3 : 39
* paulsher1ood notices how slow today's meeting is		1 3 : 39
jeremiah	The new JIRA has a Kanban tool	1 3 : 39
jeremiah	FWIW	1 3 : 40
paulsher1ood	ack	1 3 : 40

BjoernC	i prefer jira	1 3 : 40
paulsher1ood	thanks BjoernC	1 3 : 40
paulsher1ood	so +2 for jira... any against?	1 3 : 40
* paulsher1ood proposes we start using the pulbic jira, then		1 3 : 41
philrob	Bjoern: ++1 for Kanban, I have just check Jeremiah's kanban board	1 3 : 41
CTtpollard	I've not used it so I can't vote	1 3 : 41
paulsher1ood	philrob: you mean jira kanban?	1 3 : 41
philrob	yes	1 3 : 41
paulsher1ood	sold, then.	1 3 : 41
paulsher1ood	next...	1 3 : 42
paulsher1ood	= Tools Team co-ordination with BIT =	1 3 : 42
paulsher1ood	jeremiah: how do you think this would work best? you know all the parties i think	1 3 : 42
pavelk	paulsher1ood: is this about the process in general, or rather about the current issues?	1 3 : 43
paulsher1ood	pavelk: both	1 3 : 43
paulsher1ood	if there are current issues, please raise them	1 3 : 43
pavelk	capi code generation :-)	1 3 : 43

gunnarx	need to remind myself what the issue is here, except for capi already covered	1 3 : 44
pavelk	automated code generation as a part of the build	1 3 : 44
pavelk	this is more of a mid-term issue, to be sure	1 3 : 44
jeremiah	hmm	1 3 : 44
pavelk	there is an interim solution for the current release afaik	1 3 : 45
pavelk	gunnarx: that's what I mean--it is already covered earlier today	1 3 : 45
gunnarx	can't find any more info in TT/Minutes. No trello card right?	1 3 : 45
jeremiah	I think the issue is coordinating GDP with the baselines	1 3 : 46
gunnarx	ah	1 3 : 46
paulsher1ood	yes, i think so too	1 3 : 46
gunnarx	not sure it's a tools issue?	1 3 : 46
jeremiah	Now that we're seeing some fixes of meta-ivi, we seem to have decent communication	1 3 : 46
jeremiah	But that probably needs to be a bit more formal and make its way into PMO	1 3 : 46
gunnarx	I'd say maintainer (of GDP) is the one driving GDP to adopt the latest baseline, basically. anyone see a problem with that principle?	1 3 : 47
jeremiah	Currently we're just watching the meta-ivi mailing list and CTpollard and folks are picking up things that are happening	1 3 : 47
paulsher1ood	ok, so TT and BIT co-ordination is already hunky-dory?	1 3 : 47

gunnarx	you tell me, who added the item?	1 3 : 47
jeremiah	gunnarx: I'd agree. Perhaps then the GDP maintainer (continues) to be part of the BIT?	1 3 : 47
gunnarx	I'm not aware of what the concern is, that's all	1 3 : 47
gunnarx	^^ paulsher1ood	1 3 : 48
paulsher1ood	i added it. i'm just checking	1 3 : 48
gunnarx	ok	1 3 : 48
paulsher1ood	if folks are happy, that's fine	1 3 : 48
jeremiah	My worry is that there are bugs and patches lingering on the meta-ivi list	1 3 : 48
jeremiah	But it looks like they're being addressed	1 3 : 48
jeremiah	so perhaps its not the end of the world	1 3 : 48
gunnarx	GDP maintainer welcome to join BIT, I doubt it's necessary all the time. baseline releases aren't that frequent	1 3 : 48
jeremiah	Agreed.	1 3 : 48
gunnarx	jeremiah: valid concern but not something TT will solve probably	1 3 : 49
paulsher1ood	similarly baseline maintainers would be welcome to participate in public here :)	1 3 : 49
jeremiah	:)	1 3 : 49
paulsher1ood	ok moving on then?	1 3 : 49

paulsher1ood	= Build Tools =	1 3 : 50
paulsher1ood	(from the charter)	1 3 : 50
paulsher1ood	anything to discuss on this?	1 3 : 51
gunnarx	ah. I think the charter has already been broken down into topics, items, actions...?	1 3 : 51
gunnarx	e.g. debian principle, franca_automation, sdks...	1 3 : 51
pavelk	...and approved by the board	1 3 : 51
paulsher1ood	i'm trying to formalize our agenda so we don't miss things in future	1 3 : 51
jeremiah	I think that link that gunnarx discovered last week is important.	1 3 : 51
jeremiah	It feels like a quick way to host sources from a build	1 3 : 52
pavelk	what link?	1 3 : 52
paulsher1ood	please remind me?	1 3 : 52
jeremiah	which can allow use to push binaries	1 3 : 52
jeremiah	Let me find it . . .	1 3 : 52
gunnarx	Ah, ok. recurring topics. I'd say it is more efficient to stick to our cards, but those cards might need to be categorized under that agenda then.	1 3 : 52
jeremiah	http://www.yoctoproject.org/docs/1.8/mega-manual/mega-manual.html#maintaining-open-source-license-compliance-during-your-products-lifecycle	1 3 : 52
gunnarx	cards, tickets - whatever jira calls them them, from now on	1 3 : 52

paulsher1ood	thanks	1 3 : 53
gunnarx	ok, so yeah I've looked at it...	1 3 : 53
gunnarx	had some issues figuring out how it behaves actually, especially when using BB_GENERATE_TARBALLS	1 3 : 53
gunnarx	in some cases it goes out to fetch git from network despite a tarred up git existing...	1 3 : 54
gunnarx	because I've been controlling the source/downloads directory, have not successfully evaluated the results of inheriting "archiver" yet	1 3 : 54
jeremiah	okay, so it might not be ready for our use yet?	1 3 : 55
gunnarx	maybe, anyone feel free to try	1 3 : 55
paulsher1ood	we're running late, folks...	1 3 : 56
gunnarx	results of archiver can be tried independently of my investigations into source mirror part. just build with internet fetching as usual.	1 3 : 56
gunnarx	yeah I have no more to add.	1 3 : 56
gunnarx	paulsher1ood: does anyone own an action on this?	1 3 : 56
paulsher1ood	you and jeremiah, iirc?	1 3 : 57
gunnarx	paulsher1ood: Is all we do on this meeting to have headings, and then people talk about what they think that heading is about?	1 3 : 57
gunnarx	until you think they talk too much?	1 3 : 57
gunnarx	ok, you may be right.	1 3 : 57
paulsher1ood	gunnarx: i dont know, actually. i think i've lost my way here	1 3 : 57

jeremiah	heh	1 3 : 58
gunnarx	I propose, as part of meeting, state the action owners if there is any confusion, so people know they are expected to talk	1 3 : 58
jeremiah	We've also lost some participants along the way	1 3 : 58
gunnarx	turns out jeremiah and I engaged anyhow. I think we can move to the next topic.	1 3 : 58
paulsher1ood	ok	1 3 : 58
paulsher1ood	I propose we can't cover the resty of the agenda in reasonable time	1 3 : 59
*** jacob0 has joined #automotive		1 3 : 59
paulsher1ood	i propose we try a conf call next week to improve things	1 3 : 59
gunnarx	fair enough.	1 3 : 59
gunnarx	you're the boss, don't forget :)	1 3 : 59
gunnarx	might be a good idea, yes,	1 3 : 59
paulsher1ood	that's too complex a topic for 1 mintue	1 3 : 59
gunnarx	agreed	1 3 : 59
paulsher1ood	:)	1 3 : 59
paulsher1ood	AOB?	1 4 : 00
paulsher1ood	anything i should raise at AGL tmrw?	1 4 : 00

gunnarx	is it "layer design meeting"?	1 4 : 00
gunnarx	or something else?	1 4 : 00
paulsher1ood	(since this is time-sensitive)	1 4 : 00
paulsher1ood	AMM	1 4 : 00
jeremiah	paulsher1ood: What are their plans for Lifecycle?	1 4 : 00
philrob	good question	1 4 : 00
paulsher1ood	i meet wait for the first time	1 4 : 00
jeremiah	paulsher1ood: Are they *really* going to use Android's init system?	1 4 : 00
gunnarx	systemd? (ducks)	1 4 : 00
pavelk	what is their stance to genivi compliance in general?	1 4 : 01
gunnarx	wait, what?	1 4 : 01
paulsher1ood	there is some discussion wth Qt folks that may affect lifecycle for them	1 4 : 01
jeremiah	pavelk: I think they've said they don't aim to be GENIVI compliant	1 4 : 01
pavelk	jeremiah: too bad....	1 4 : 01
jeremiah	Yep	1 4 : 01
gunnarx	jeremiah: you think?	1 4 : 01

paulsher1ood	jeremiah: i had not heard any mention of android inthat context so far, i may have missed it?	1 4 : 01
paulsher1ood	(or are you trolling? :-)	1 4 : 02
jeremiah	I'll have to look on the mailing list, but I'm pretty sure I heard that in a fairly official capacity.	1 4 : 02
paulsher1ood	really?	1 4 : 02
BjoernC	have to leave now, bye bye	1 4 : 02
jeremiah	Yep	1 4 : 02
paulsher1ood	me too :)	1 4 : 02
gunnarx	I think let's have proper discussions about this, not speculation or rumors. Today seems to be unusually few AGL members in the channel, but I suppose they will catch up on logs.	1 4 : 02
jeremiah	Later BjoernC	1 4 : 02
paulsher1ood	thanks all	1 4 : 02
*** BjoernC has quit IRC		1 4 : 02
paulsher1ood	== GENIVI Tools Team Meeting Ends ==	