

Jakarta EE TCK Discussions

Source of truth: Jakarta EE TCK [Repo](#) & Documentation

~Asynchronous Collaboration: Tasks get submitted as issues to the Repo for follow up :)

Video call: recorded & added to the Jakarta EE TCK Youtube playlist

Schedule: Friday 9-10am PDT when there are demos that require recording

Subscribe: [Jakarta TCK Mailing list](#)

Nov 13th

Picture via twitter [HERE](#)

Video recording submitted for processing [HERE](#)

Jakartees:

- Scott Marlow (Red Hat)
- Amelia Eiras (Tomitribe)
- David Blevins (Tomitribe)
- Emerson Castaneda (Individual)
- Ed Bratt (Oracle)
- Suhrid Karthik (Individual)

Agenda:

- [Scott] Show demo that we never recorded from call
 - Based on September 18 call demo that didn't get recorded yet. The demo script is <https://gist.github.com/scottmarlow/bb140c3e83d5c3e864ca084c3b6db3bf>
 - The above (editable by me) gist shows:
 - Downloading the Jakarta EE 9 Platform TCK
 - Setting the environment up (some of which is commented out but you can uncomment)
 - Running a few Jakarta Persistence (JPA) tests that pass.
 - Show making a small test change that we want to try
 - change `eg.getName() == null` to `eg.getName() != null`).
 - We rebuild the test via `ant compile build`
 - Then we run the test again and show it fails, proving that the test change was made (locally on your machine only) and that the code change was not a good change.
 - Scott, what is your recommendation on the name/title of the video demo of today? The "[Running The Platform TCK Demo with making test change](#)"
 - [Amelia] I will submit the recording to the Youtube playlist via collateral repo issue after this call. :)

- [Amelia] The git pages will be updated and wiki will be deprecated for TCK documentation. Today's call also contains a 7minutes demo on how Contributors can send PRs against the TCK documentation that will be reviewed and merged and show ASAP on the website under Specs. See email thread [starting here](#) for the original description and commentary. Given the evolution of the wiki pages, Ed recommends repeating this file-migration from the GH Wiki Git archive to the main project Git archive.
- <https://github.com/eclipse-ee4j/glassfish/pull/23264> is awesome!!!
 - This allowed the demonstration to work!

Not discussed- no time :)

- [Amelia] Jakarta EE 10 release requires independence from GlassFish. What other implementations can we add to the 10 Release?

❖ [Name] --

❖

- [Amelia] Jakarta EE 9 release technical work was completed on Nov. 6th. Now the work for the Jakarta EE team, Planning face starts. Check out a list of the enormous work that needs THIS community attention: [Arjan's brainstorming on HELP WANTED - via Contributors Card PR!](#)

copy/paste: CALL TO ACTION:

arjantijms commented **yesterday** • Nov 11th

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Oh no, I just mentioned 1 API. There's also a few dozen issues open for Jakarta Security that need work, including a bunch that have been reported against Soteria but have to be moved to Jakarta Security: <https://github.com/eclipse-ee4j/soteria/issues>

There's also a lot of work needed for Jakarta Server Pages, specifically in moving its implementation and JDK 11 compatibility, see <https://github.com/eclipse-ee4j/jsp-api> I already initiated the move, but more has to be done still. The issues are there too, but someone needs to pick them up.

I also have a dozen of issues open for Jakarta Standard tags, specifically for the spec document. See <https://github.com/eclipse-ee4j/jstl-api> would be really happy if someone can help finishing the amount of spec document issues we have open there. For standard tags too, we need to move the implementation to a separate repo. Would be great if someone could do that.

Very similar to the last two, it would also be nice if someone could move the implementation from Jakarta Expression Language to a new repo, and there's a bunch of important issues open: <https://github.com/eclipse-ee4j/el-ri/issues>

A somewhat larger amount of issues I'm struggling with to free up some time with are the 100+ Servlet issues. See <https://github.com/eclipse-ee4j/servlet-api/issues>

There's also 1690 Servlet TCK tests that are ideally converted to Arquillian. I started the work to convert a bunch of them, but after a few full days of work I only managed to do a dozen or so. Would be absolutely fantastic to have someone convert the remaining ~1670 (or help with creating a tool to convert them, or at least part of them).

Then I'm looking at Jakarta Authentication, which is largely the same story, it needs someone to convert the TCK tests and give the open issues some care. See <https://github.com/eclipse-ee4j/authentication/issues> There's specifically some work needed for spec clarifications there, which essentially means someone just needs to put in a bunch of hours to give them some thought. We also need a separate implementation project for this, which I have already started and put again a few full days of work in, but it's not done yet.

Though smaller, Jakarta Authorization needs work too. I created two important issues for that here: <https://github.com/eclipse-ee4j/authorization> it's not super difficult to address these I think, but it mostly needs time again.

There's important issues as well for WebSocket that I like to look at, specifically an integration problem with Jakarta Faces, for which I provided a hack in 2017, but should be fixed correctly, and similarly for Jakarta CDI, for which an important issue is to fix an integration problem with both Faces and Security. I created an issue for that here: [eclipse-ee4j/cdi#459](https://github.com/eclipse-ee4j/cdi/issues/459)

Nov 6: Cancelled- no topics

Oct 29: Cancelled-no topics

Oct 23: Cancelled-no topics

Oct 16: Cancelled-no topics

Oct 9th:

Picture via twitter [HERE](#)

Zoom registration access:

<https://tomitribe.zoom.us/meeting/register/tJEkcemrqTkuGdAf8rJMa62Y2zeknubFuS8C>

Jakartaees:

- Amelia Eiras (Tomitribe)
- Scott Marlow (Red Hat)
- Cesar Hernandez (Tomitribe)
- David Blevins (Tomitribe)
- Maxim Nesen (Oracle)
- Andy Guibert (IBM)
- Suhrid Karthik (Individual)
- Ed Bratt (Oracle)

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- Dmitry Kornilov (Oracle)

Agenda:

- [Maxim Nesen] (Oracle) to talk about running the stand-alone TCKs via terminal/console when running Glassfish.
- **Prerequisites to run TCK (links):**
 - JDK 1.8 - <https://www.oracle.com/cz/java/technologies/javase/javase-jdk8-downloads.html>
 - ANT (1.10.9) - <https://mirror.dkm.cz/apache//ant/binaries/apache-ant-1.10.9-bin.zip>
 - Glassfish6 - <https://download.eclipse.org/ee4j/glassfish/>
 - TCK bundle - <https://download.eclipse.org/ee4j/jakartaee-tck/jakartaee9-efit/staged-900/>
- [Andy Guibert] (IBM) to talk about JSONB stand-alone TCKs
 - TCK tests in the same place as the API (tests can be added/reviewed in the same PRs as new spec features)
 - TCK tests ran with standard tech such as Maven+JUnit, rather than custom harness
 - Specs are NOT required to move to stand-alone model, only specs that think it would be beneficial would invest the time to migrate their TCKs

Not discussed: goes to next Friday TCK call

- [Cesar] Call calendar and call invite setup options. TCK [thread](#)
 - Calendar only with the link to zoom registration
 - Calendar with the call zoom link without password
 - Calendar with the call zoom link with password (not in URL)
- [Cesar] Update on call recordings
- [Amelia] is it possible to create a demo video of how to start contributing to the gPages TCK documentation?
- [Ed] If there are tests that are improperly located, they should be migrated. We may want to figure out how to review/identify potential tests of this type and attempt to locate their source or requirement.
- [David] Andy can you teach us how to set up the smaller TCK?

Oct 2: *Cancelled*

- Scott Marlow (Red Hat) Away

Sept 18th

Twitter pic [\[link\]](#)

Zoom Recording: Jakarta EE Youtube channel: TCK List

Jakartees:

- Scott Marlow (Red Hat)
- Cesar Hernandez (Tomitribe)
- Ed Bratt (Oracle)
- Dmitry Kornilov (Oracle)
- Suhrid Karthik
- Mimar Aslan (Vodafone)

Apologies:

- Amelia- JCP EC meeting

Agenda:

- [Scott] (updated) [link for slides is here](#)
 - Show `build/run Platform TCK` demo that follows [https://github.com/eclipse-ee4j/jakartaee-tck/wiki/Instructions-for-running-the-nightly-engineering-build-of-Platform-TCK-with-Podman-\(currently-for-EE-9\)](https://github.com/eclipse-ee4j/jakartaee-tck/wiki/Instructions-for-running-the-nightly-engineering-build-of-Platform-TCK-with-Podman-(currently-for-EE-9)) instructions.
 - ***The demo was performed but the call was interrupted so Cesar and Scott will record the second part of the demo to be uploaded later.***
- [Scott] Discuss some of the Platform TCK tests and their dependencies <https://github.com/eclipse-ee4j/jakartaee-tck/tree/master/src/com/sun/ts/tests>

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- [JPA EE](#) tests depend on servlet, EJB, JTA, CDI (and other) technologies to work in a Jakarta EE 9 server implementation.
- [EJB32 tests](#) depend on JPA, JTA, other Jakarta platform technologies.
- When multiple projects depend on each other, that is considered a cycle.
 - Typical solution is to keep the intersecting classes in a separate repository to workaround the cycle.
 - As mentioned previously, we should discuss ideas for EE 10 soon on the [Platform TCK mailing list](#).
- [Cesar] Can this be closed? <https://github.com/eclipse-ee4j/jakartaee-tck/issues/495>
- [Cesar] Status of previous call recordings <https://github.com/jakartaee/collateral/issues/5>
- [Cesar] Write up on the basics on how to fork, sign commit and create a pull request into the project.

Sept 11th

Twitter pic [HERE](#)

Zoom Recording: Jakarta EE Youtube channel: TCK List

[Amelia]- Apologies this hour was not recorded.

Jakarteers:

- Amelia Eiras (Tomitribe)
- Scott Marlow (Red Hat)
- Jean-Louis (Tomitribe)
- Ed Bratt (Oracle)
- Dmitry Kornilov (Oracle)
- David Blevins (Tomitribe)

Agenda:

- [Ed] Sent to the TCK mailing list: [Proposed wiki update -- review / feedback encouraged](#)
If +1, we will start populating content via PRs- Amelia

git remote -v

<https://github.com/eclipse-ee4j/jakartaee-tck/commits/gh-pages>

- All content copied from wiki pages
- For any changes, submit a pull request
- Jekyll content can be improved
- Would be nice to hear feedback from more users
- Requirement was allowing non-committers to submit a pr.
 - Commits need to be signed off and user has signed the ECA
- 68 forks + 86 stars on September 11 on [jakartaee-tck](#) + 93 subscribers to <https://accounts.eclipse.org/mailling-list/jakartaee-tck-dev>

Informal Vote must happen in the forum using Ed's thread above.

- ❖ Cesar H +1
- ❖ Amelia +1
- ❖ David B. +1
- ❖ Jean-Louis M. +1
- ❖ Scott +1
- ❖ Dmitry +1

- [Jean-Louis] TCK Forum Question: [Question about removing failing EJB legacy compatibility tests in Jakarta EE 9 Platform TCK](#)... on going
- [Scott] TCK Forum Question: [Is there a requirement for Standalone TCKs to run against Web Profile? Changes for handling optional technologies moved to Jakarta EE 9...](#)
 - The Jakarta EE Platform describes the requirements that must be met, so IMO, this question could of been worded differently but still a valid question.
 - The Web Profile specification describes the specifications/technologies that are required by Web Profile implementations.
 - The Full Platform specification describes the specifications/technologies that are required by Full Platform implementations.
 - The Jakarta EE 9 release plan describes specifications moved from Java SE 8 to Jakarta EE 9 without describing the profile that includes them, which is fine.
- [Amelia/Scott] Java EE 8 TCK has about 20k tests, do we know how many tests are going to be needed for Jakarta EE 10? If as much, do we have a plan to make it consumable? On the last call, David asked for a show/demo to be recorded or at least shown on these calls.
 - [Ed] -- In the past, the principle for compatibility tests was based on coverage. Coverage reports can be generated following the instructions on the TCK wiki, [here](#). We've been posting the latest TCK test results from the weekly Eclipse GlassFish builds on the wiki, [here](#). The Platform has 42579 tests, when run in all the combinations. Web Profile has 13277. In all cases the Specification and the TCK User Guide provide the test requirements. For Platform products, they are also required to run the TCKs for CDI, Bean Validation, Dependency Injection and Debugging Support. The addition of more optional components is nice from

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an implementation perspective, but makes the job of test suite qualification harder since the number of combinations grows every time something is declared optional. Regardless, the source of the test requirements is gathered in the TCK User Guide and in the Specification itself.

- [Scott] <https://gist.github.com/scottmarlow/b1f1de4ff48edc21f796f6781f1c23ae> is not working yet for the `build/run Platform TCK` demo (hit some local environmental issues) so will defer but still talk about some of the Platform TCK sources
 - [https://github.com/eclipse-ee4j/jakartaee-tck/wiki/Instructions-for-running-the-nightly-engineering-build-of-Platform-TCK-with-Podman-\(currently-for-EE-9\)](https://github.com/eclipse-ee4j/jakartaee-tck/wiki/Instructions-for-running-the-nightly-engineering-build-of-Platform-TCK-with-Podman-(currently-for-EE-9)) is how Scott Marlow runs GlassFish 6.0 locally (workaround for [glassfish/issues/23191](#)).
 - <https://gist.github.com/scottmarlow/b1f1de4ff48edc21f796f6781f1c23ae> shows how I built the Platform TCK last night and ran some TCK tests, however that is not repeatable today due to local environment issues).
- [Scott] Discuss some of the Platform TCK tests and their dependencies <https://github.com/eclipse-ee4j/jakartaee-tck/tree/master/src/com/sun/ts/tests>
 - [JPA EE](#) tests depend on servlet, EJB, JTA, CDI (and other) technologies to work in a Jakarta EE 9 server implementation.
 - [EJB32 tests](#) depend on JPA, JTA, other Jakarta platform technologies.
 - When multiple projects depend on each other, that is considered a cycle.
 - Typical solution is to keep the intersecting classes in a separate repository to workaround the cycle.
 - This might be interesting when considering how to meet the Jakarta EE 10 Platform requirements for TCK testing
 - From an ordering perspective, the community/users should give feedback on EE 10 plan, then the Platform requirements are stated and voted on (at least this is how it seemed to work for EE 9).
 - As mentioned last week, we should discuss EE 10 soon on the Platform TCK mailing list.
- Can this be closed? <https://github.com/eclipse-ee4j/jakartaee-tck/issues/495>
 - [Scott] not sure as I cannot see the github pages contents locally (I see contents from April instead).
 - commit 245aba651ea2197f1647f09f3822e52225271179 (HEAD -> gh-pages, upstream/gh-pages)
 - Author: Jonathan Gallimore <jgallimore@tomitribe.com>

- Date: Wed Apr 1 17:23:09 2020 +0100
- Use https for the download URL
 - git fetch upstream
 - git pull upstream gh-pages
- Types of users contributing to Platform TCK
 - Implementing Jakarta EE platform (server) implementation
 - These users have written a [TSDeploymentInterface](#) implementation used to run the Platform TCK with their server implementation.
 - Using a Jakarta EE server implementation
 - These users develop/use applications on a Jakarta EE platform server and are the most important to have represented on the Platform TCK community
 - Contribute tests
 - Contribute documentation changes/translations
 - Speak up in discussions about what is important
- [David] Lets get up to 20+ people that understand the Platform TCK for EE 10
- [Ed] Generally: spec is written; code is written; assertions are pulled out; decide which can be tested (which must be tested); Write those tests in the TCKs;
- It would be useful to have someone from CDI TCK team attend and describe how CDI TCK works- After we make demos & understand a bit better the TCK. :) - Amelia
- [Scott] Cycles in Platform TCK would be harder to handle in standalone SPEC
 - EJB depends on many things, including JPA and JPA depends on EJB.

Sept. 4th

Jakartees:

Twitter pic [HERE](#)

Zoom Recording: Jakarta EE Youtube channel: TCK List

- Ed Bratt (Oracle)
- Lukas Jungmann (Oracle)
- Dmitry Kornilov (Oracle)
- Cesar Hernandez (Tomitribe)
- Scott Marlow (Red Hat)
- David Blevins (Tomitribe)
- Hillmer Chona (Colombia JUG)

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- Rodrigo Graciano (NYC JUG)
- Amelia Eiras (Tomitribe)

Agenda:

- After discussion: New Github Issue for Migrate current Wiki articles to the Github Pages branch #495 <https://github.com/eclipse-ee4j/jakartaee-tck/issues/495>
 - [Amelia] **Is there consideration about TCK dedicated Budget? How about Specs?**
 - [Amelia] **The Eclipse project Wikis currently do not allow for PRs or not committers collaboration. Do we submit a bug or feature request to help change what currently is?**
 - [Cesar] Follow up to email thread that started a few months ago
 - What we can do to help community to contribute to TCK
 - [David- Aug 26th Friends of Jakarta EE] David wrote out the deliverable for a Jakarta EE Specification
 - TCK Binary
 - A compatible implementation
 - File certification request
 - The SHA of the TCK
 - Public test results
 - Specification Document
 - Check for **javax** -> **jakarta**
 - Check for branding:
 - Java EE -> Jakarta EE
 - Ensure the correct use of specific versions: J2EE 1.2, J2EE 1.3, J2EE 1.4, Java EE 5, Java EE 6, Java EE 7, Java EE 8, Jakarta EE 8, Jakarta EE 9
 - API JavaDocs (optional)
 - Check for **javax** -> **jakarta**
 - Check for branding:
 - Java EE -> Jakarta EE
 - Ensure the correct use of specific versions: J2EE 1.2, J2EE 1.3, J2EE 1.4, Java EE 5, Java EE 6, Java EE 7, Java EE 8, Jakarta EE 8, Jakarta EE 9
- [Amelia] Tweet Design on branding from Jakarta EE Mimar, also submitted to the [Collateral Repo](https://twitter.com/mimaraslan/status/1301103580213112832?s=20): <https://twitter.com/mimaraslan/status/1301103580213112832?s=20>
- [Ed created wiki page on contributing Doc changes](#)

- How can non-committer contributors update the Jakarta Platform TCK wiki?
NO.
 - Ideas?
 - Can non-committers create a pull request for github wiki?
 - No, not currently
 - Could we use another wiki?
 - It doesn't work well to have an external wiki
 - Don't use the wiki and instead use the doc directly in repo
 - Does this help after a development release cycle?
 - Use a github gh page instead of wiki
 - Better Look
 - Use the tck doc directly to back up the gh page
- New Github Issue for Migrate current Wiki articles to the Github Pages branch #495
<https://github.com/eclipse-ee4j/jakartaee-tck/issues/495>
- [Cesar] How can we help new Jakarta platform TCK users to get started
 - [Amelia] We need the Jakarta EE media to push constant messages. The messages can be submitted directly via the Collateral [Repo](#)
 - It is huge, users don't know where to start.
 - Having a high level view of how it's built, what layout is, is important.
 - The size (5million+ lines) is intimidating
 - [David] For EE 10, users need to contribute changes, they need to learn/understand.
 - [Dmitry] moving TCK tests to standalone/smaller projects for EE 10
 - Do we need to attract users to the big platform TCK if EE 10 has this new direction?
 - Scott: should we need to pull people in for discussing this transition now?
 - Promote content to be shared to the community to get the message out about our new gh content that helps users get started.
 - Tweet @JakartaEE #JakartaTCK #JakartaEE
- New Github Pages should have option for language translation
 - Current TCK documentation is english only
- Can we have TCK documentation translated to other languages?
- [David] Would be helpful to have an overview session that helps those that haven't developed TCKs
 - Build the tck
 - Show where to look for things
 - Show how to add a TCK test
 - Where to look for results
- [Hillmer] What about language barrier? Spanish

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- [Rodrigo] Translation is key to entry into the TCK. Where is the official documentation of the TCK and what are the steps to contribute?
- [Ed] Started on a clone -- there are a few things that we might want to consider working on -- <https://edbratt.github.io/jakartaee-tck/wiki/Home>
- [Amelia] Proof of Concept, POC are welcomed while navigating the TCK.
- [Ameia] we need to record knowledge transfer from those who have worked in the TCK while closed
- [Cesar] created the September zoom access and add the TCK Mailing list on the invite
- [Amelia] Ask via a git issue [\[Jakarta EE TCK Drive folder\] Public Access Creation #3](#) the EF team to create a TCK folder in the Jakarta EE Community Drive
- [Cesar] Submits via the Collateral Repo the recorded call video and asks for the TCK play list to be created to host this and future TCK public calls. :)