

Revoir du code

grandeurs, décadence et apprentissage

Qui t'es toi ?

- Manuel
- Enalean CTO
- Tuleap Product Owner
- Développeur

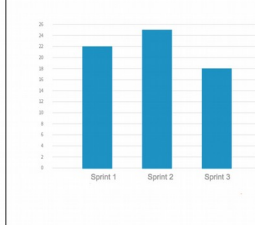
D'ou ca sort tout ça ?

The screenshot shows the Tuleap web interface. On the left is a dark sidebar with navigation links: Demo Pull requests, Admin, Continuous Integration, and Git. The main content area displays a 'DEMO PULL REQUESTS' section for the 'Microsoft/vscode' repository. It includes a 'Create pull request' button and a 'Clone or download' section with an 'SSH (Default)' button and a URL: 'ssh://git@tuleap-web.tuleap-ale-dev.docker:demo-pr/microsoft/vscode.git'. Below this is a 'FILES' section with a list of files including .github, .vscode, build, extensions, resources, scripts, src, test, editorconfig, eslintrc.json, gitattributes, gitignore, .jest, .prettierrc, .yarnrc, and CODE_OF_CONDUCT.md. The right side of the interface shows the 'README.MD' for Visual Studio Code - Open Source, which describes it as a new type of tool that combines the simplicity of a code editor with what developers need for their core edit-build-debug cycle.

BURNUP



VELOCITY



The screenshot shows the Tuleap 10.3 interface. The top navigation bar includes 'Campaigns', 'Tuleap 10.3', and 'Restricted User'. The main content area displays a list of permissions for the 'Restricted User'. The first permission is 'Go as a non project member and restricted user to your project's mediawiki plugin.' This permission is highlighted with a red box. The 'Expected results' for this permission are 'Permission denied'. The 'Action to perform' is 'Go as a non project member and restricted user to your project's mediawiki plugin.' The 'Expected result' is 'Permission denied'. The interface also shows a search bar, a list of permissions, and a table of permissions.

Pourquoi revoir du code ?



Pourquoi revoir du code ?



Pourquoi revoir du code ?



Comment s'y mettre

- Choisissez un outil
 - “commit diff” mail / slack
 - Pull Requests: github, gitlab, bitbucket, tuleap
 - Gerrit
- Définissez un processus de revue
- Go !
 - On ajuste

Qui revoit ?

- VOUS !
- Tout le monde doit pouvoir revoir
- “Les Intégrateurs”

Qui soumet ?

- Tout le monde, sans exception
- Tous les codes, sans exception
 - Même si c'est urgent (si si)
 - Même si c'est critique (encore pire)

Bien soumettre

- Un bonne revue commence par un bon commit message
 - Un titre court et explicite
 - Une belle description du POURQUOI on fait le commit

PolyGerrit

CHANGES

YOUR

DOCUMENTATION

BROWSE

★ 12974 (Merged as 1b00ef9): Do not always display global loading indicator

Updated 12 days ago

Owner Nicolas Terray

Assignee Set assignee...

Reviewers Jenkins @ Tuleap Thomas Gorka ADD REVIEWER

CC ADD CC

Project tuleap

Branch master

Topic BUG_FIX

Hashtags ADD HASHTAG

Code-Review +2 Thomas Gorka

ReviewQueue +2 Nicolas Terray

Verified +1 Jenkins @ Tuleap

Do not always display global loading indicator

Part of [request #12245](#): Displaying an artifact with a lot of artifact links is slow

Follow-up to git #tuleap/stable/fb5e864bf5c924202a05bb787b5e5b6cf082026b

When there isn't any renderer to load asynchronously, then the global loading indicator at the top of the field should not be displayed in edit mode.

Create an artifact without any links.
Edit the artifact and edit the links. No spinner is displayed.

Now add links to exceed acceptable limits[1].
Edit the artifact and edit the links. Global spinner + spinner in tabs are displayed.

[1] You may need to read previous commit message to better know how to test async loading in artifact links field: <https://gerrit.tuleap.net/12910>.

Change-Id: [Ia0bf7e0a4994bdbf122e5d2a64d23559b359ec3](#)

PolyGerrit

CHANGES

YOUR

DOCUMENTATION

BROWSE

★ 12910 (Merged as fb5e864): Load async renderers in ArtifactLink field

Updated 20 days ago

Owner Nicolas Terray

Assignee Set assignee...

Reviewers Jenkins @ Tuleap Thomas Gorka ADD REVIEWER

CC ADD CC

Project tuleap

Branch master

Topic BUG_FIX

Hashtags ADD HASHTAG

Code-Review +2 Thomas Gorka

ReviewQueue +2 Nicolas Terray

Verified +1 Jenkins @ Tuleap

Load async renderers in ArtifactLink field

Part of [request #12245](#): Displaying an artifact with a lot of artifact links is slow

Context

If there are a lot of artifact links, and associated reports take ages to load (with computed fields for example), then the whole page is blocked and users cannot work on the artifact.

Proposal

A short term solution is proposed here to load slow renderers asynchronously. By "slow", we arbitrarily assume that above 50 artifacts we should load the renderers async. This limit can be increased or decreased later according to end users' feedback. For now (and to ease tests), it can be adjusted thanks to a local .inc variable:
Tracker.artifactLink.async_limit = 3;
- above 3 artifacts in a tracker, async loading.

How to test

In a release artifact, attach more than 50 user story artifacts (from the same US tracker) and 3 or 4 sprint artifacts (from the same Sprint tracker).

Now load the artifact, in the artifact link section:

- sprints are already displayed in the "Sprint" tracker tab
- there should be a spinner in the "User story" tracker tab content
- there should be a spinner in the "User story" tracker tab label
- there should be a spinner + message in edit mode
- there should not be link/create/preview buttons
- there is no possibility to mass unlink artifacts
- it is not possible to expand/collapse children
- it is possible to add/remove link and submit the artifact

Once the user stories are loaded:

- spinner in tab content is replaced by user stories renderer
- spinner in tab label is hidden

Once all trackers are loaded:

- spinner + message in edit mode is hidden
- there should be link/create/preview buttons
- it is possible to mass unlink artifacts
- it is possible to expand/collapse children
- checkboxes to unlink is replaced by crosses (just like before this patch)

Things to check:

- ArtifactFolder behavior
- submit artifact view
- modal v1, v2, v3, ...
- IE11

Note: To simulate a slow rendering, you can put sleep(2); statement at L885 of Tracker.FormElement.Field.ArtifactLink class. (don't forget to revert it!)

Implementation notes

This contribution needs to hack legacy script TrackerArtifactLink.js. In order to be able to understand what was going on, I needed to split this file in two parts, and to reorganize and to group some functions. Ideally we should rewrite the whole thing to get rid of PrototypeJS legacy, unfortunately this is not the scope of this commit. However the change I made in order to be async are hidden under the split/reorg. sorry about that.

Change-Id: [I642ad70f0162320c2ed8bc3081e59db22a1f16a7](#)

A SHOW LESS

Bien soumettre

- Taille du commit

Files	Base	→	Patchset 5	50e6076	DOWNLOAD	INCLUDED IN	No patchset description	DIFF PREFERENCES
								SHOW DIFFS HIDE DIFFS Side By Side
Commit message								
M	site-content/fr_FR/LC_MESSAGES/tuleap-core.po			+3	-1			
M	src/common/project/Admin/ProjectDetails/ProjectDetailsController.php			+17	-2			
M	src/common/project/Admin/ProjectDetails/ProjectHierarchyPresenter.php			+13	-1			
M	src/templates/project/project-hierarchy.mustache			+3	-0			
M	src/www/admin/grouplist.php			+1	-3			
				+37	-7			

Files	Base	→	Patchset 7	dsbef2	DOWNLOAD	INCLUDED IN	No patchset description	DIFF PREFERENCES
								SHOW DIFFS HIDE DIFFS Side By Side
Commit message								
M	plugins/agiledashboard/www/js/kanban/bower.json			+5	-2		Reviewed	
M	plugins/agiledashboard/www/js/kanban/build.config.js			+4	-2			
D	plugins/agiledashboard/www/js/kanban/changelog.tpl			+0	-23			
D	plugins/agiledashboard/www/js/kanban/CHANGELOG.md			+0	-102		Reviewed	
M	plugins/agiledashboard/www/js/kanban/Grunfile.js			+2	-0		Reviewed	
M	plugins/agiledashboard/www/js/kanban/po/template.pot			+6	-6			
M	plugins/agiledashboard/www/js/kanban/src/app/app.js			+21	-21			
M	plugins/agiledashboard/www/js/kanban/src/app/app-kanban-controller.js			+41	-225			
M	plugins/agiledashboard/www/js/kanban/src/app/app-kanban-controller.spec.js			+89	-236			
A	plugins/agiledashboard/www/js/kanban/src/app/column-collection-service.js			+39	-0			
A	plugins/agiledashboard/www/js/kanban/src/app/column-collection-service.spec.js			+85	-0			
A	plugins/agiledashboard/www/js/kanban/src/app/dropped-service.js			+107	-0			
A	plugins/agiledashboard/www/js/kanban/src/app/dropped-service.spec.js			+271	-0			
M	plugins/agiledashboard/www/js/kanban/src/app/kanban.scss			+4	-139			
A	plugins/agiledashboard/www/js/kanban/src/app/kanban-column/kanban-column.scss			+101	-0		Reviewed	
A	plugins/agiledashboard/www/js/kanban/src/app/kanban-column/kanban-column.js			+7	-0			
A	plugins/agiledashboard/www/js/kanban/src/app/kanban-column/kanban-column-controller.js			+156	-0			
A	plugins/agiledashboard/www/js/kanban/src/app/kanban-column/kanban-column-controller.spec.js			+13	-0			
A	plugins/agiledashboard/www/js/kanban/src/app/kanban-column/kanban-column-directive.js			+14	-0			
M	plugins/agiledashboard/www/js/kanban/src/app/kanban-column/kanban-column-service.js			+20	-6			
M	plugins/agiledashboard/www/js/kanban/src/app/kanban-column/kanban-column-service.spec.js			+373	-311			
A	plugins/agiledashboard/www/js/kanban/src/app/kanban-column/kanban-column.tpl.html			+35	-0			
M	plugins/agiledashboard/www/js/kanban/src/app/kanban-item/kanban-item.scss			+54	-24			
A	plugins/agiledashboard/www/js/kanban/src/app/kanban-item/kanban-item.js			+4	-0			
A	plugins/agiledashboard/www/js/kanban/src/app/kanban-item/kanban-item-directive.js			+10	-0			
R	plugins/agiledashboard/www/js/kanban/src/app/kanban-item/kanban-item-test-service.spec.js			+0	-0			
	plugins/agiledashboard/www/js/kanban/src/app/kanban-item/kanban-item-test-service.spec.js							
M	plugins/agiledashboard/www/js/kanban/src/app/kanban-service.js			+40	-20			
A	plugins/agiledashboard/www/js/kanban/src/app/kanban-service.spec.js			+426	-0			
M	plugins/agiledashboard/www/js/kanban/src/app/kanban.tpl.html			+11	-69			
A	plugins/agiledashboard/www/js/kanban/src/app/test-error-service.js			+36	-0			
A	plugins/agiledashboard/www/js/kanban/src/app/test-error-service.spec.js			+39	-0			
M	plugins/agiledashboard/www/themes/FlamingParrot/css/style.scss			+66	-111		Reviewed	
				+2379	-1297			

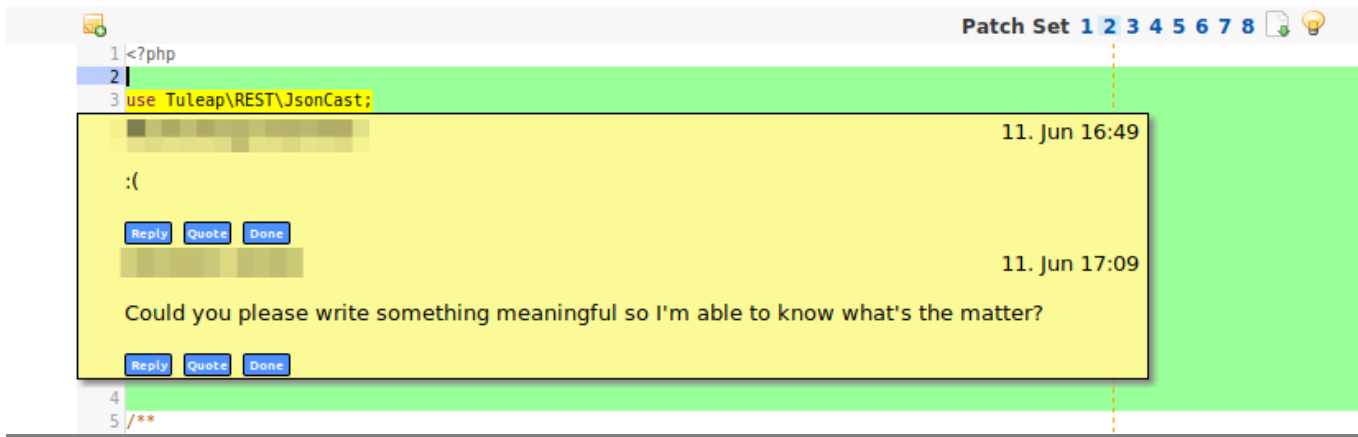
- Single Responsibility Principle
 - Un commit ne change qu'une seule chose
 - On ne mixe PAS les reformatages et le fonctionnel
 - Refacto: un commit dédié

- On applique les standards d'écriture
 - Mieux on les enforce (linter, editorconfig, etc)
 - Mieux on les vérifie par intégration continue

- Le committer a fait de son mieux



- Motiver son refus
 - Doc du développeur
 - Références externes (code smells, blogs, SOLID, etc)
 - Références internes (autres fichiers/classes/fonctions)



Bien revoir

- Être verbeux dans son commentaire
 - Il n'y a jamais trop d'explications

```
61
62 export function moveDryRun(context, data) {
63   const [artifact_id, tracker_id] = data;
64
65   return moveDryRunArtifact(artifact_id, tracker_id)
66     .then(async response => {
67       const dry_run_fields = await response.json();
68       context.commit("saveFields", dry_run_fields.dry_run.fields);
69       context.commit("setIsInPreviewMode", true);

```

Nicolas Terray

9. Aug 10:50

If there is only fully migrated fields, is it necessary to confirm the move? We should proceed to the move directly IMHO.

[Move artifact]

```
`-> REST dry run
  |-> only migrated fields !
  |   `-> REST *not* dry run
  |-> at least one partially or not migrated fields !
  |   `-> preview
  |   `-> confirm => REST *not* dry run
```

[Reply](#) [Quote](#) [Done](#)

Marie Ange Garnier

9. Aug 10:53

I'll do it in a dedicated commit if its ok for you

[Reply](#) [Quote](#) [Done](#)

```
70   })
71   .catch(async e => {
72     const { error } = await e.response.json();
73     context.commit("setErrorMessage", error.message);
74   });
75 }
76
```

```
79   * @return void
80   */
81   public function process(HTTPRequest $request, BaseLayout $layout, array $variables)
82   {

```

... skipped 29 common lines ...

```
112   * @return PaginatedCollectionOfCSVRepresentations
113   * @throws NotFoundException
114   * @throws BadRequestException
115   * @throws ForbiddenException
116   */
117   private function buildRepresentations(PFUser $current_user, $report_id, $limit, $offset)
118   {
119     try {
120       $report = $this->report_factory->getId($report_id);
121
122       $this->CSV_export_checker->checkReportCanBeExportedToCSV($report, $current_user);

```

Thomas Gerbet

7. Nov 13:26

I do not get why this is specific to the CSV export.

If some authorization checks are missing they should also be added to the GET /cross_tracker_reports/{id}/content route. You access to the same data but instead of JSON/XML it is CSV, the format should not change who can access it.

If checks are missing they should be added to the CrossTrackerPermissionGate class so that whatever the way a user consume the information what he can see is consistent.

[Reply](#) [Quote](#) [Done](#) [Fix](#)

```
123
124   $collection = $this->artifact_report_factory->getArtifactsMatchingReport(
125     $report,
126     $current_user,
127     $limit

```


- Savoir lâcher l'outil



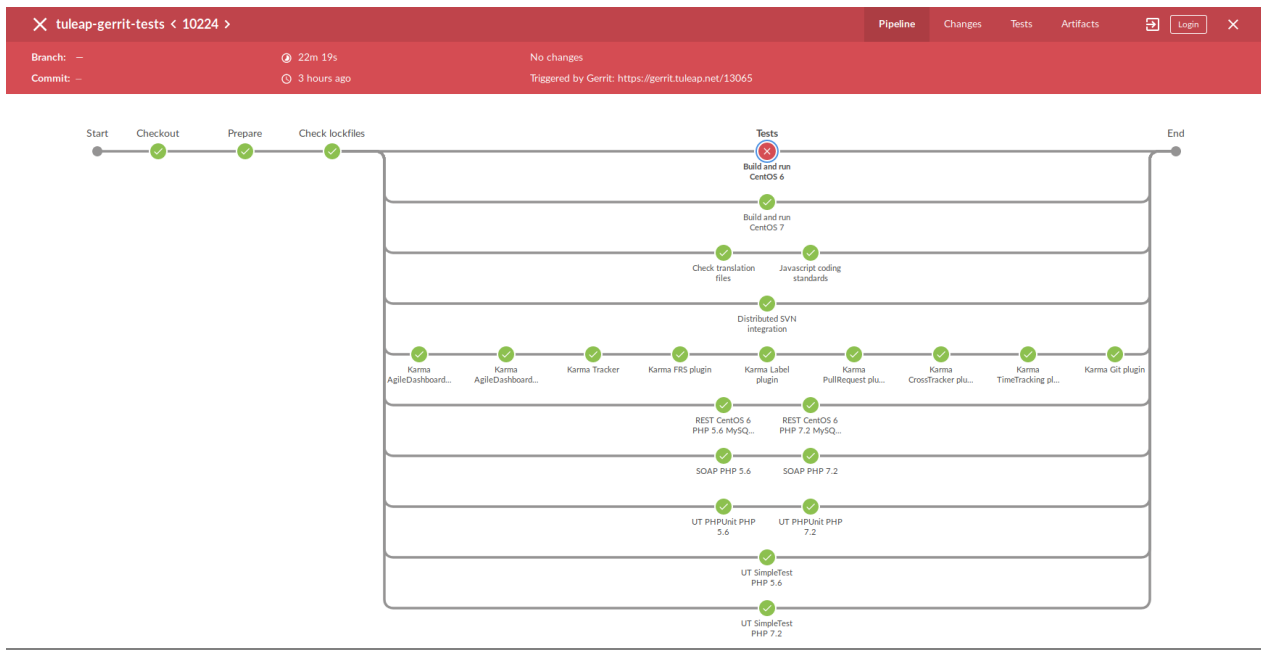
Bien revoir

- C'est chiant
- Paradoxalement on a l'impression de faire avancer la release



On outill son process

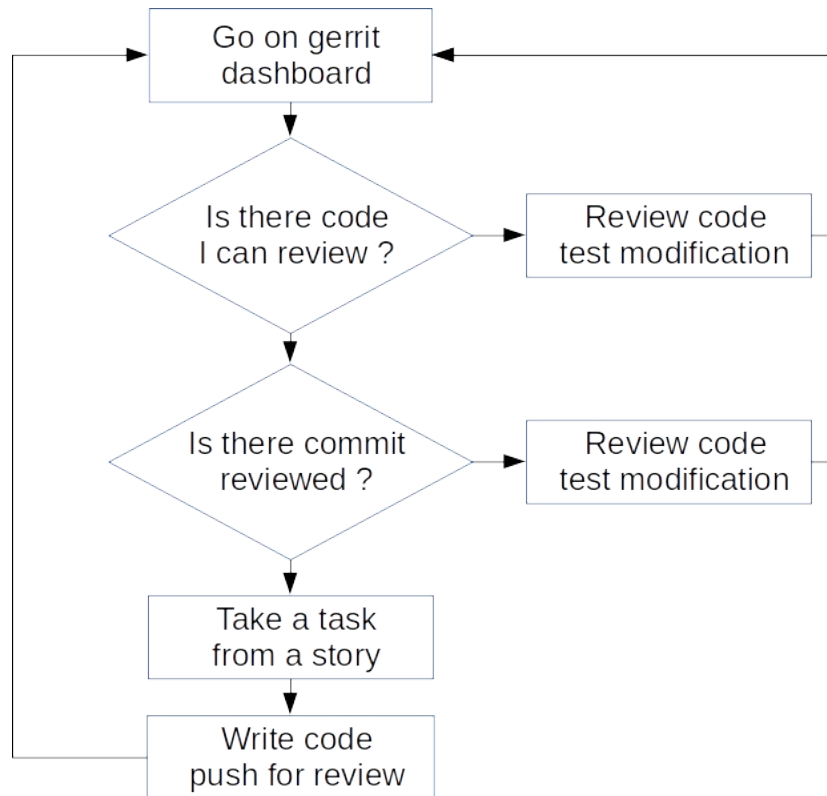
- Tout ce qui peut être traité par un robot doit être traité par un robot
- Le temps de build doit rester raisonnable



Flux de travail

- Produire du code devient de la gestion du flux
- Optimiser
 - Latence ?
 - Débit ?
- Allez dans une session Kanban !

Flux de travail



De la stat bordel!

En 2018, sur le projet Tuleap

- 20 développeurs & relecteurs
- 8581 commits soumis -> 38 / jour ouvré
- Temps de revue
 - Moyen 16h
 - Médiane 1h

Conclusion

- La revue de code est
 - un outil de qualité
 - une très bonne source de partage de connaissances
 - un bon réducteur d'égo
 - une perte de temps !
- Autres pertes de temps
 - TDD
 - BDD
 - Le refactoring
 - La formation
 - Agile Grenoble !
- Rappelez vous
 - 70% du coût d'un logiciel est dans la maintenance
 - Vous devez maximiser ce qui va réduire la maintenance