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# A+ v1.12 and autumn 2021 recap

8.12.2021

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<https://apluslms.github.io/>

<https://plus.cs.aalto.fi/aplus-manual/master/>

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# A+ v1.12

- Work in progress. Will be released soon (mid-December 2021).
- Service break and upgrade at Aalto: Monday 3.1.2022
- Major features:
  - New Git manager service completely separated from the MOOC-Grader – Tuomas
  - Syncing course enrolments from Sisu – Pasi
  - Teacher self-service course creation with the new Git manager – Pasi & Tuomas
  - Automatic saving of submission drafts in questionnaires – Sampo, exam improvements
  - Deviations in the student's assignment user interface
  - Copy-paste in user selection forms (e.g., add assistants, add deadline deviations)
  - (If finished in time) Revamp of the teacher's deviations user experience
  - Reduced size of the points cache
  - MOOC-Grader bug fixes to avoid crashing to course config errors

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# Service break at Aalto on Monday 3.1.2022

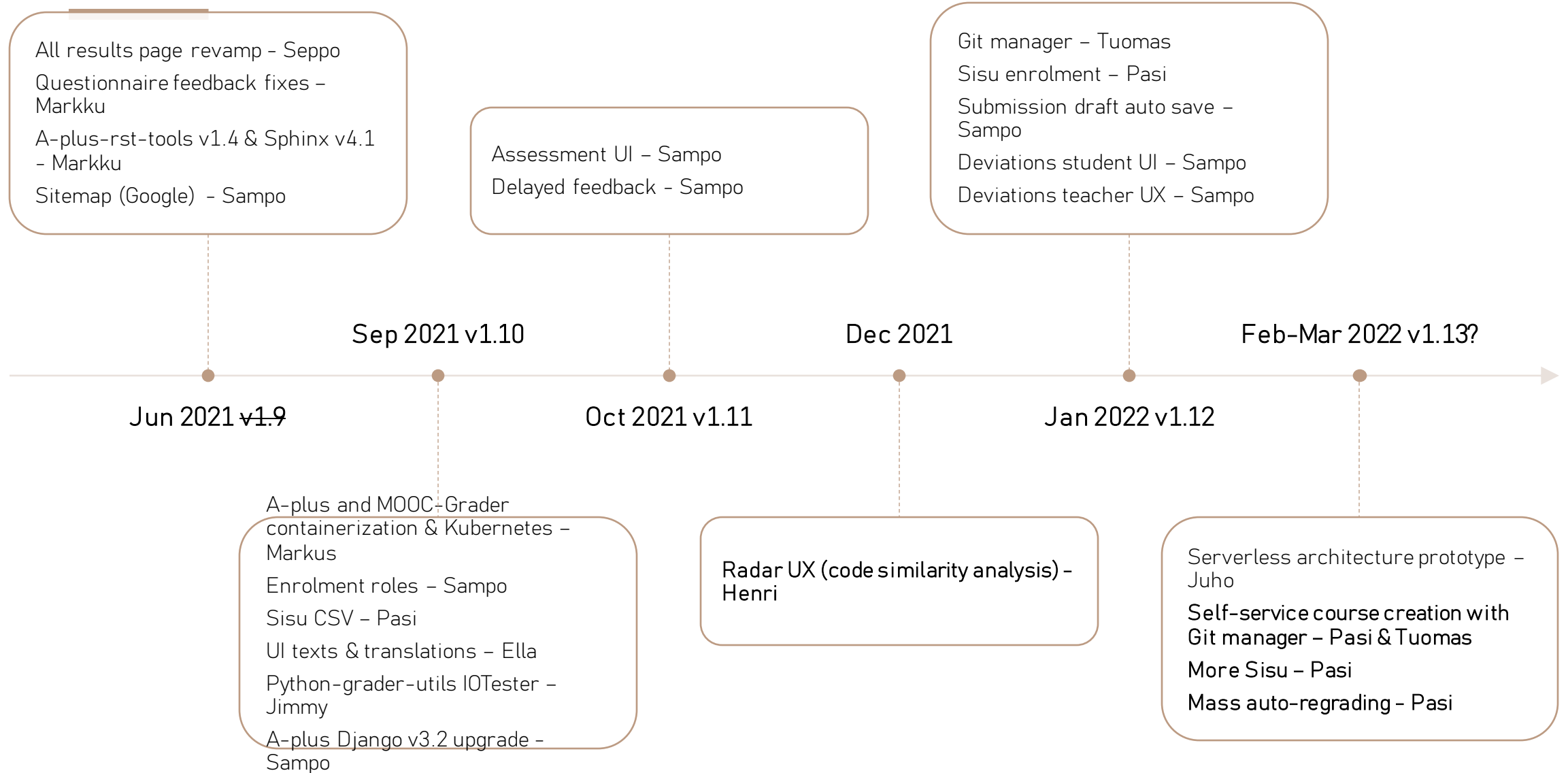
- The new Git manager service entails changes to web addresses visible to teachers:
  - GitLab (version.aalto.fi) webhook target
  - Course import URL (applus-json)
  - A+ chapter HTML files and other static files are disseminated by the Git manager, not MOOC-Grader
- Creating new course instances – Sisu course ID needed
- Self-service course creation in A+ & Git manager delayed to February
- More information will be announced later in December

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# Autumn 2021 - Major Themes

- A-plus frontend and MOOC-Grader containerization and Kubernetes deployment in Sep 2021 - Markus
- Git manager and service authentication - Tuomas
- Electronic exams - Sampo
- Sisu integration: enrolments & grades - Pasi
- Radar (code similarity analysis) user experience & reporting - Henri
- Prototype on serverless architectures (Juho, continues in the spring)
- Python-grader-utils fixes and new docs in Aplus Manual - Jimmy (presented in August 2021)
- A+ as LTI 1.3 Tool (provider) - slow start, Markku

# Autumn 2021



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# Deficiencies in the autumn 2021

- Performance & stability
- Slowness, timeouts
- Improvements:

Fine-tuning in the Kubernetes container setup

Database virtual machine CPU cores doubled from 4 to 8

A+ bug fixes

A+ database queries should be optimized better. Started in the deadline deviations list view.

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# Questions?

- Aalto service break in the EDIT wiki: <https://wiki.aalto.fi/display/EDIT/EDIT+Aplus+events+%3E+A+version+1.12+upgrade+December+2021+and+January+2022>  
<https://wiki.aalto.fi/pages/viewpage.action?pageId=197422875>
- A+ v1.12 release notes will be published in mid-December:  
<https://apluslms.github.io/releases/>  
[https://apluslms.github.io/releases/v1\\_12.html](https://apluslms.github.io/releases/v1_12.html)
- New introduction and overview in the Aplus Manual for newcomers:  
<https://plus.cs.aalto.fi/aplus-manual/master/overview/overview/>