Task: LaMachine - Software Distribution

ID: T098

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What exists: The LaMachine distribution exists and provides a Docker container, a Virtual Machine or a locally user-space compiled environment. It is the main way in which we (RUN) make available our entire software stack (Frog, ucto, PICCL, gecco, FoLiA, CLAM, etc..) in a flexible manner to the outside world, regardless of whether that outside world consists of individual developers/researchers or full-fledged CLARIN centres.

What must be adapted / extended / created anew:

LaMachine is something that needs to be constantly maintained as it lives in an ever-moving ecosystem of software. The main focus is on supporting actual users (again these can be CLARIN centres or individual institutions/users), e.g. people come to us with questions. We add new software where necessary and ensure LaMachine is up to date with the latest versions and runs on a wide variety of platforms.

We are very much open to inclusion of tools by other CLARIAH partners in LaMachine (provided they comply with certain software quality & sustainability guidelines). Integrating VU's SeMachine idea is an option (rather than providing it as a separate project)

Why important for CLARIAH (scientific impact): Ensures CLARIAH software is practically installable on local user machines (which can be preferable in many cases) and not just available as a service and ensured CLARIN hosting centres can run our software.

Targeted/Actual users: developers, researchers, students, CLARIN centres, other hosters

Actual use (quantify!): Current use of LaMachine can be tracked in our statistical report: http://applejack.science.ru.nl/lamastats/l

Social Impact (concrete examples): Out-of-the box usage of a lot of CLARIAH-funded software, ability to bring tools to data centres, CLARIN centres. etc..

Lead: Maarten van Gompel

Proposed PM estimation (try to justify): 6+PM, spread over the entire duration of CLARIAH-PLUS

Proposed Participants + PMs: Maarten van Gompel (6PM), 1PM INT (mostly client-side as a CLARIN centre) + possibly 2PM VU participant if SeMachine integration is desired? Same for others as RuG?

Allocated PMs: 3PM **(This is not enough for proper support and maintenance!!)**

Deliverables

- Software: LaMachine
- Documentation: LaMachine