

# State of Nix at European Commission

Pol Dellaiera European Commission - DIGIT October 2022



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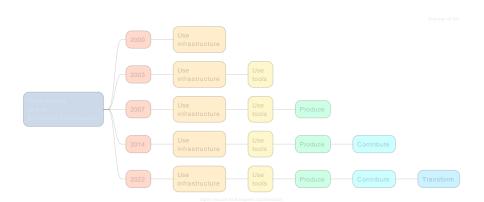
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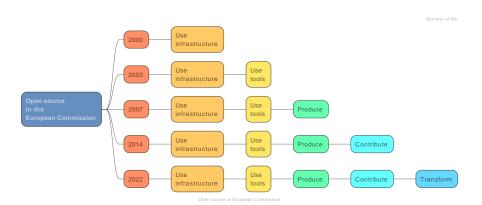
#### History



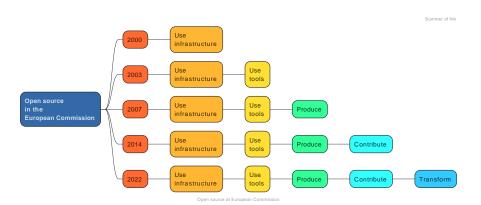




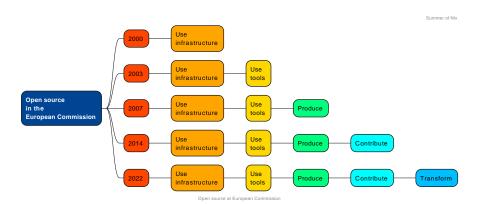


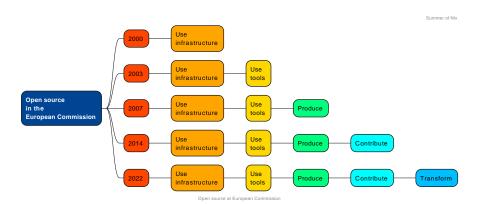


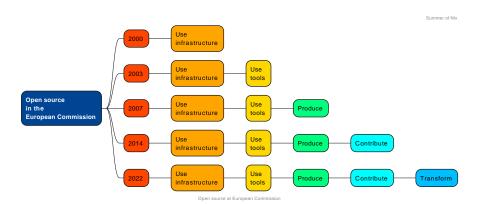


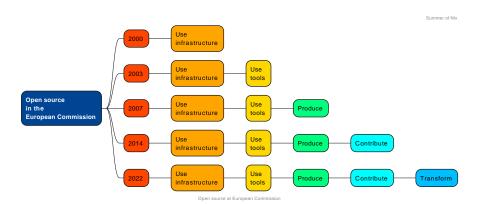






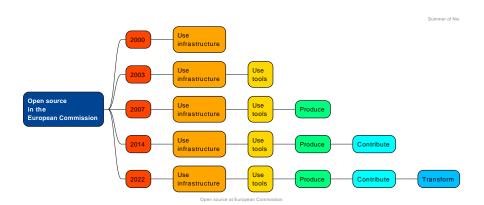
















► Open source strategy





- Open source strategy
- ► The strategy impacts the entire organisation





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- ► First (public) milestone in September 2022





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- ► The idea: a working culture based on the principles of open source





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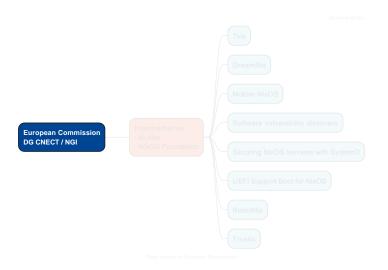




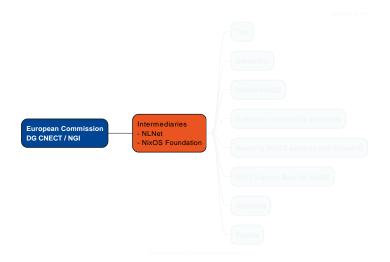
- Open source strategy
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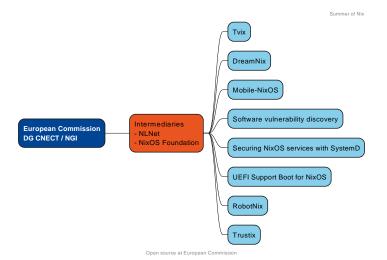
#### Sponsorship



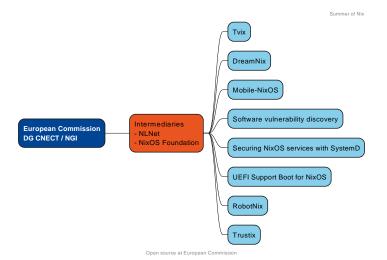




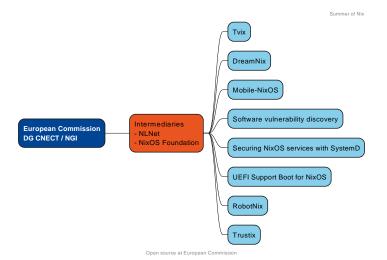






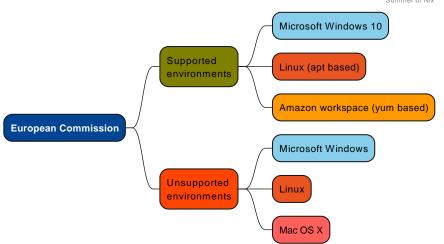






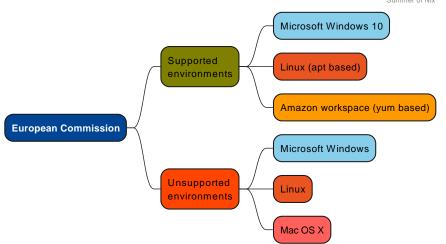


Summer of Nix





Summer of Nix





➤ To have a working development environment, working at anytime of the day



- ➤ To have a working development environment, working at anytime of the day
- Spawning instances of their project quickly



- ➤ To have a working development environment, working at anytime of the day
- Spawning instances of their project quickly
- ► Being aligned with their co-workers



- To have a working development environment, working at anytime of the day
- Spawning instances of their project quickly
- Being aligned with their co-workers
- Avoid breaking their laptops



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- Avoid breaking their laptops
- Freedom to use the tool they prefer to do the job



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Nix flakes



- Nix flakes
- nix-direnv



- Nix flakes
- nix-direnv
- home-manager (publicly available @ code.europa.eu)



- Nix flakes
- nix-direnv
- ► home-manager (publicly available @ code.europa.eu)
- Servers running NixOS



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It cannot be changed without changing our thinking.

— Albert Einstein

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# Which problems are we facing? Nix and European Commission

► The fear of the unknown,



# Which problems are we facing? Nix and European Commission

- ► The fear of the unknown,
- ► The use of experimental features,



# Which problems are we facing? Nix and European Commission

- ► The fear of the unknown.
- ► The use of experimental features,
- ► The programming language,



# Which problems are we facing? Nix and European Commission

- ► The fear of the unknown,
- ► The use of experimental features,
- ► The programming language,
- ▶ The documentation.



Continue to experiment and evaluate Nix,



- ► Continue to experiment and evaluate Nix,
- Find other candidates for testing,



- Continue to experiment and evaluate Nix,
- Find other candidates for testing,
  - Improve our custom development profile,



- ► Continue to experiment and evaluate Nix,
- Find other candidates for testing,
- Improve our custom development profile,
- Ship a flake.nix for each project,



- Continue to experiment and evaluate Nix,
- Find other candidates for testing,
- Improve our custom development profile,
- Ship a flake.nix for each project,
- Contribute to the community.



#### Thank you



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