

Python 2.7 deprecation

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on behalf of the Rucio team



Background

- Python 2.7 in EOL since [January 1, 2020](#)
- Rucio kept Python 2.7 support for Rucio clients
 - Many communities were/are still relying on Python 2.7 in their compute infrastructure
- Rucio server/daemons dropped Python 2.7 support with the 1.24 release (January 2021)

This meeting aims to discuss the full deprecation of Python 2.7 in Rucio, understand potential issues for affected communities and decide on a deprecation plan.



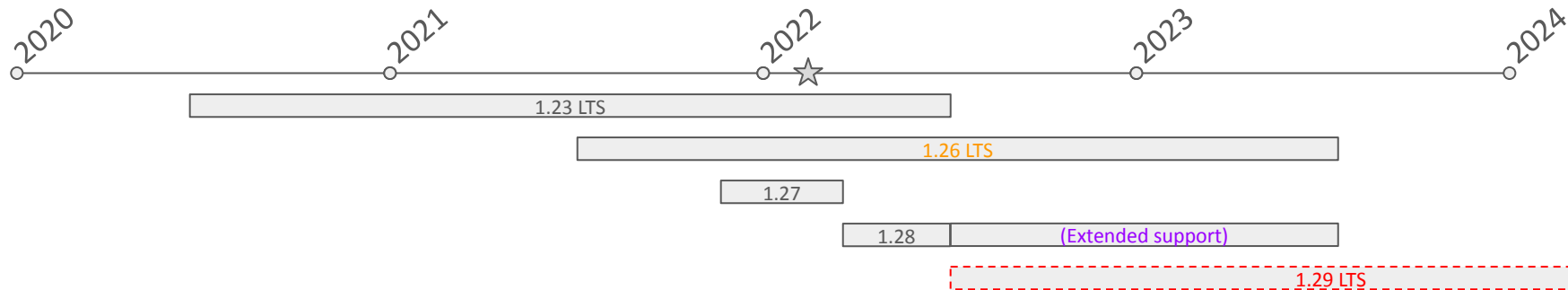
Motivation

- Most minor dependencies already dropped support for Python 2.7
 - We are stuck on old versions
 - Probably no security impact, but an annoyance for developers
- Major dependencies are dropping Python 2.7 soon
 - Python-requests, January-2022 version last one to support Python 2.7 → [Github](#)
 - urllib3, v2.0 (2022) will drop Python 2.7 → [Roadmap](#)
 - Additionally to annoyance also a **security risk**
- Principle
 - As scientists, software engineers, and community as a whole we should aim to run up-to-date software
 - As a common open-source project we should not use/integrate long-sunset software out of principle



Suggestion

- Drop Python 2.7 support with Rucio 1.29 LTS release (July 2022)
- Support periods
 - Rucio 1.23 LTS: 2020-07 → 2022-07
 - Rucio 1.26 LTS: 2021-07 → **2023-07**
 - Rucio 1.27: 2021-11 → 2022-03
 - Rucio 1.28: 2022-03 → 2022-07 (Optional extended support window until **2023-07**)



Discussion



More information

Website



<http://rucio.cern.ch>

Documentation



<https://rucio.cern.ch/documentation>

Repository



<https://github.com/rucio/>

Images



<https://hub.docker.com/r/rucio/>

Online support



<https://rucio.slack.com/messages/#support/>

Developer contact



rucio-dev@cern.ch

Publications



<https://rucio.cern.ch/publications.html>

Twitter



<https://twitter.com/RucioData>