



art news

4 February 2020

art stakeholders meeting



Reminders

- Python 2 is officially EOL.
 - Python-3 builds of *art* have been provided for roughly one year.

- To use Python-3 builds of *art*:

```
setup art v3_04_00 -q +e19:+prof # art 3.04 and newer
setup art v3_03_01 -q +e17:+prof:+py3 # Older than art 3.04
```

- To use Python-2 builds of *art*:

```
setup art v3_04_00 -q +e19:+prof:+py2 # art 3.04 and newer
setup art v3_03_01 -q +e19:+prof # Older than art 3.04
```

- We do not support Python 3 on SLF6.

Tentative plans for next releases

- ***art_root_io* 1.02.01 (this week)**
 - Includes a patched version of ROOT with fixes to dictionary-header parsing and exception-unsafe code in ROOT's internal Clang.
 - Better checking for dictionary errors.
- ***art* 3.05 (month-ish?)**
 - Drop Python 2 and SLF6 support
 - Drop macOS Mojave support
 - External product refresh
 - Introduce updated versions of Clang and GCC
 - Clang 9 requires GCC 5 or newer to build; this is still an unsolved problem
- ***art* 3.06?**
 - ServiceHandle deprecation and service-configuration pruning

C++ features

- C++20 is likely to be ratified next week.
- The 4 main features:
 - Concepts
 - Coroutines
 - Modules
 - Ranges
- We do not currently have a plan as to when C++20-enabled builds of *art* would be available.
- Over the next few meetings, I propose discussing some features of C++17/20 that you may not be aware of that can help improve your code.



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Upcoming face-to-face WG21 meetings

- **2020-02-10 to 15: Prague, Czech Republic;** Avast