DAMON: Data Access MONitor

DAMON is a data access monitoring framework subsystem for the Linux kernel. The core mechanisms of DAMON (refer to :doc:`design` for the detail) make it

---

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\vm\damon\[linux-master][Documentation][vm][damon]index.rst`, line 7); *backlink*

Unknown interpreted text role "doc".

- *accurate* (the monitoring output is useful enough for DRAM level memory management; It might not appropriate for CPU Cache levels, though),
- *light-weight* (the monitoring overhead is low enough to be applied online), and
- *scalable* (the upper-bound of the overhead is in constant range regardless of the size of target workloads).

Using this framework, therefore, the kernel's memory management mechanisms can make advanced decisions. Experimental memory management optimization works that incurring high data accesses monitoring overhead could implemented again. In user space, meanwhile, users who have some special workloads can write personalized applications for better understanding and optimizations of their workloads and systems.

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\vm\damon\[linux-master][Documentation][vm][damon]index.rst`, line 24)

Unknown directive type "toctree".

```
.. toctree::
   :maxdepth: 2

   faq
   design
   api
```