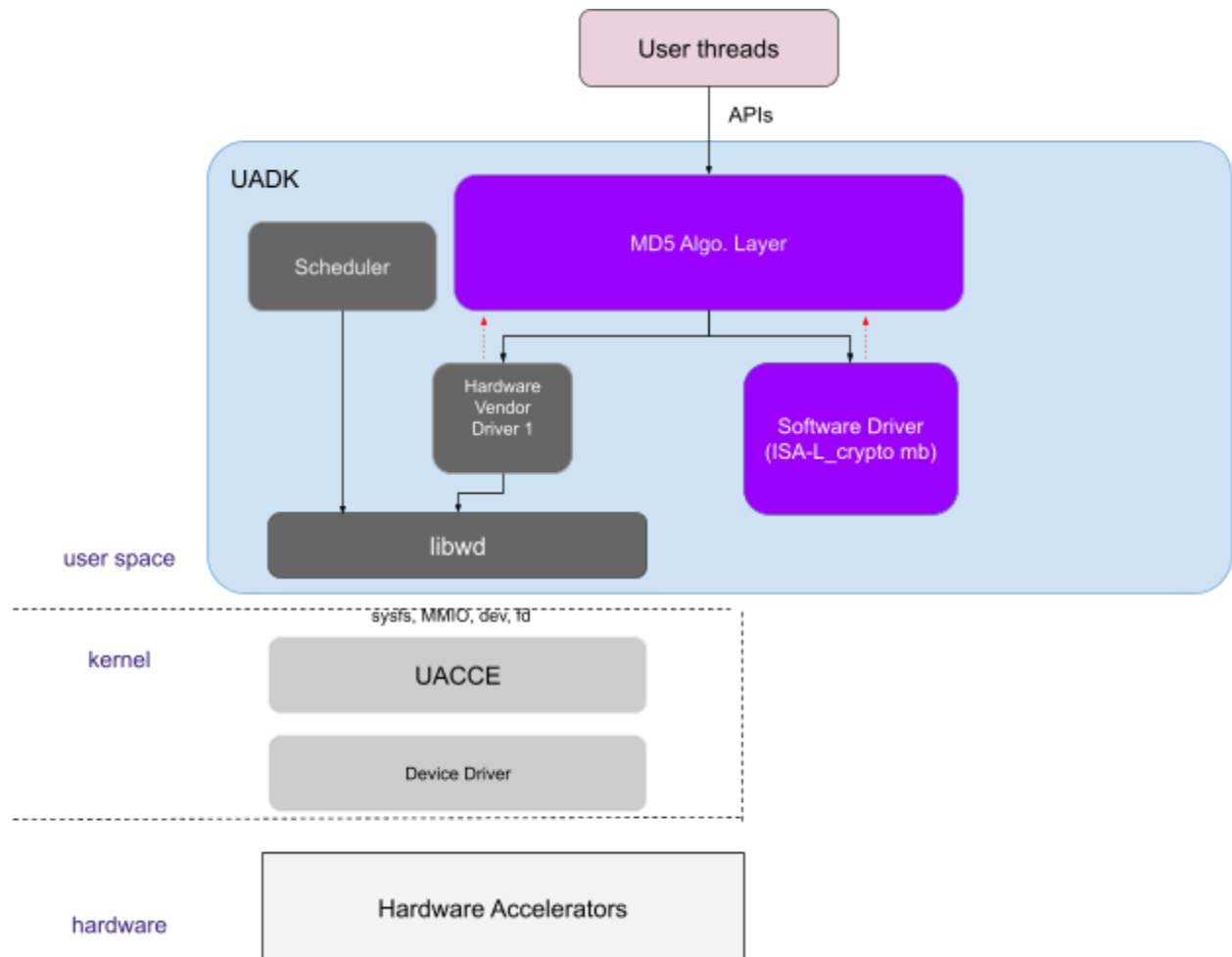


High-Level Module Design



Interface with EVP_MD of OpenSSL

EVP_MD_meth_set_init () -->

Init:

- `wd_digest_alloc_sess()`
 - `malloc(sizeof(sess))`

EVP_MD_meth_set_update () -->

Update:

- bigger than 512KB,*
- `wd_do_digest_sync(.has_next =1)`

EVP_MD_meth_set_final () -->

Final:

- `Setup_async_notification(&op)`
 - `wd_do_digest_async(.has_next=0)`
 - or
 - `wd_do_digest_sync(.has_next=0)`
- return digest result*

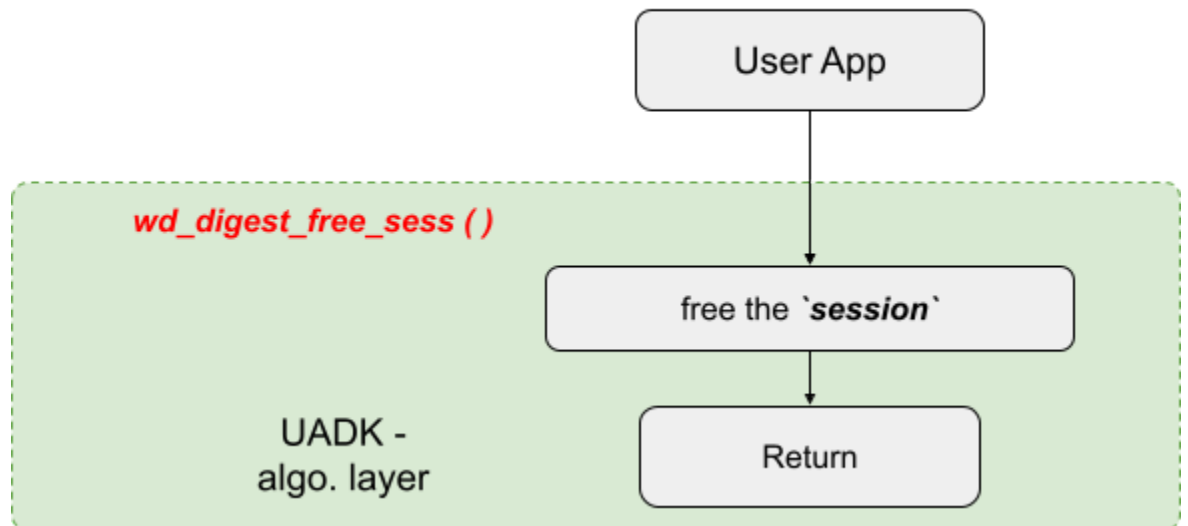
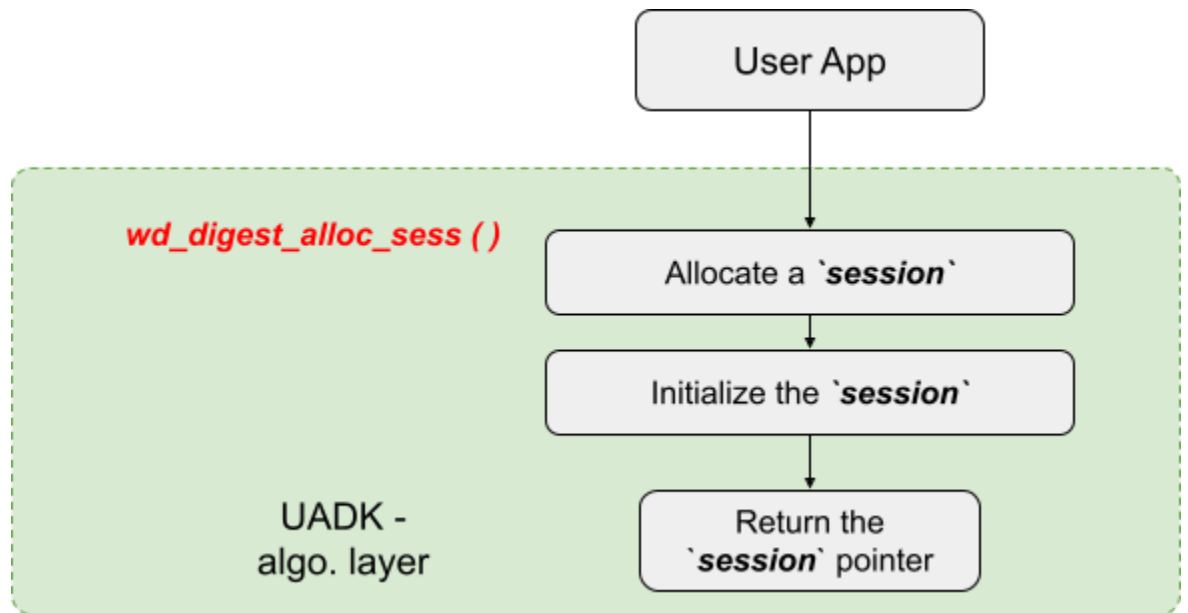
EVP_MD_meth_set_cleanup () -->

Cleanup:

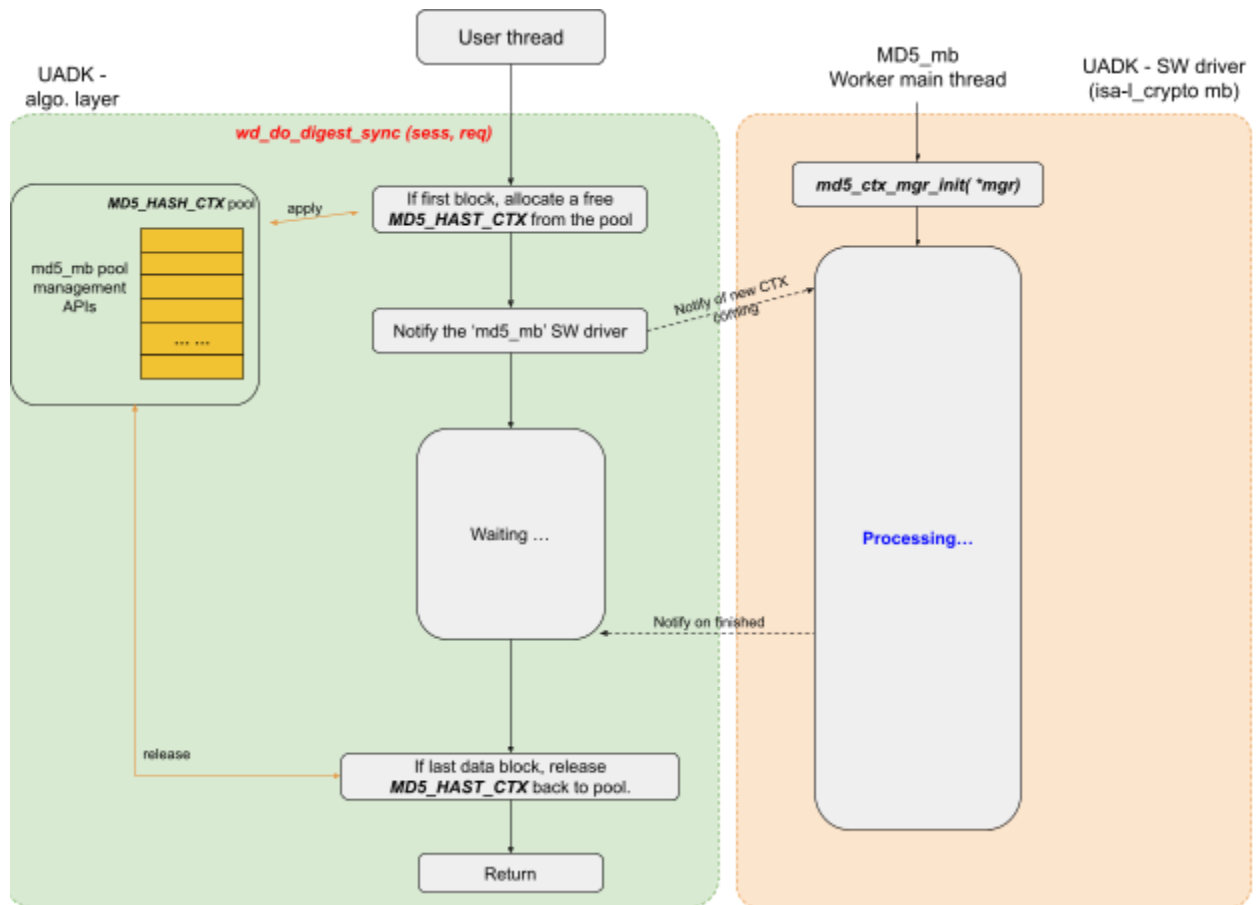
- `wd_digest_free_sess()`
 - `free()`

Detailed Design

- Design of “UADK + MD5_MB”
 - Init & Cleanup:



- Sync:



- Async:

