

Question

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Docker vs. Durability

Working from home during these Corona-days I'm short on resources.

- no Linux machine available
- limited disk space

So I decided to give Docker in Windows 10 (named [Docker Desktop](#)) a try.

This worked nicely after some reboot (it's Windows !



) and killing my VMware



to have Hyper-V .

Next, I tried to implement [Durable %SYS](#)

And this was rather disappointing.

Independent of what IRIS container I used (released or preview or community edition) it crashed at start.

Using `docker run -it ...` (instead of `-d`) to see what's happening uncovered this strange error.

```
05/05/20-21:59:12:977 (364) 0 [Utility.Event] Executing rm
-f /usr/irissys/bin/irisinstall
05/05/20-21:59:12:981 (364) 0 [Utility.Event] Executing rm
-f /usr/irissys/bin/irisuxsinst
05/05/20-21:59:12:986 (364) 0 [Utility.Event] Executing rm
-f /external/durable/CloneIncomplete
05/05/20-21:59:12:992 (364) 0 [Utility.Event] Instance IRIS
data directory moved to /external/durable
05/05/20-21:59:12:993 (364) 0 [Utility.Event] Executing find
/usr/irissys/ -type d -exec chmod ugo-w {} +
05/05/20-21:59:13:028 (364) 0 [Utility.Event] Executing
chmod ugo-w /usr/irissys/
```

```
[ERROR] Possible causes:
```

```
[ERROR] - Incorrect user/group ownership of IRIS
binaries
```

```
[ERROR] - Insufficient write permissions to
ISC_DATA_DIRECTORY
```

```
[FATAL] Error starting InterSystems IRIS
```

The reasons are the high lighted lines

ISC_DATA_DIRECTORY had no protection at all and was not affected.

More detailed interactive tests showed a mismatch between file ownership and user in docker.

AS it happened with several IRIS containers I assume the problem in Desktop Docker and/or it's underlying Windows 10.

As a workaround for me, I developed a [customized lightweight durability](#) solution that avoids this step.

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