

Announcement

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Using InterSystems IRIS containers with Docker 20.10.14+

Docker 20.10.14 (released March 23, 2022) changes the Linux capabilities given to containers in a manner that is incompatible with the Linux capability checker in InterSystems IRIS 2021.1 (and up) containers.

Users running Docker 20.10.14 on Linux will find that IRIS 2021.1+ containers will fail to start and the logs will incorrectly report that required Linux capabilities are missing. For example:

```
[ERROR] Required Linux capability cap_setuid is missing.  
[ERROR] Required Linux capability cap_dac_override is missing.  
[ERROR] Required Linux capability cap_fowner is missing.  
[ERROR] Required Linux capability cap_setgid is missing.  
[ERROR] Required Linux capability cap_kill is missing.  
[FATAL] Your IRIS container is missing one or more required Linux capabilities.
```

Resolution

Users experiencing this problem will need to adjust the command line passed to the container's entrypoint to disable checking for Linux capabilities. From the command line, add `--check-caps false` after the image in your `docker run` or `docker start` command. For example:

```
docker run containers.intersystems.com/intersystems/iris-  
community:2022.1.0.152.0 --check-caps false
```

If you're using `docker-compose`, the corresponding change would be as follows:

```
command: --check-caps false
```

The capability check acts as a way of checking for common misconfigurations before starting the IRIS processes. Disabling the Linux capability check has no impact on the IRIS processes running in the container.

More Reading

- [Docker 20.10.14 release notes](#)
- [Running InterSystems Products in Containers](#)

[#Containerization](#) [#Docker](#) [#InterSystems IRIS](#) [#InterSystems IRIS for Health](#)

Source URL: <https://community.intersystems.com/post/using-intersystems-iris-containers-docker-201014>