

VeeaHub Toolkit

1.2.0

Release Notes



New Features

T

Issue Summary



The current hub access commands will always use partner credentials if they exist. In some cases, this can result in the developer being unable to access the Veeahub because they have changed their credentials, but have not updated the Veeahub TLS license.

Release Notes

The following commands are always run as an unauthorized user, but also support a --auth flag to force the use of credentials:

- vhc hub access upload-license
- vhc hub access get-licenses

The following commands will be run using the partner credentials (if they exist), but can be forced to run as unauthorized using a new --unauth flag:

- vhc hub access get-partner-id
- vhc hub access ping
- vhc hub access reboot
- vhc hub access upload-app
- vhc hub access upload-image
- vhc hub access upload-public-key



It's very easy to accidentally use

```
vhc hub access upload-image
```

instead of

```
vhc hub access upload-app
```

and vice-versa.

The vhc tool should detect this and provide a clear error message.

If a user accidentally tries to upload an app file as an image, they will see:

```
$ vhc hub access upload-image build/CloudMqttClientExample-1.0.8.tgz
ERROR: Invalid image file: build/CloudMqttClientExample-1.0.8.tgz
Check if you are accidentally trying to upload an application file.
```

If a user accidentally tries to upload an image file as an app, they will see:

```
$ vhc hub access upload-app cloud_mqtt_client/build/auth/arm32v7/cloud-mqtt-
client-arm32v7-release-1.0.8.tgz
ERROR: Invalid app file: cloud_mqtt_client/build/auth/arm32v7/cloud-mqtt-client-
arm32v7-release-1.0.8.tgz
Check if you are accidentally trying to upload an image file.
```



Need a new template that demonstrates using external storage(micro SD card) in both a Vhc25 and 09/10.

A new c3-template 'vh_ext_storage' demonstrates how to use external storage(micro SD card) in both a Vhc25 and 09/10.

Bugs Fixed

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Issue Summary



The change to the package postinst script introduced in 1.1.0 was not properly restarting the systemd-binfmt service, so docker builds failed until the system was restarted. This failure only occurred for fresh installations of VHT (not updates).



The vhc tool cannot parse timestamps from

```
docker inspect
```

when using newer versions of docker.

These timestamps are used to determine if an image needs to be rebuilt.



The command

```
vhc partner secure update-tls-credentials
```

does not produce helpful messages when it fails.



When using multiple partner IDs, it's easy to upload the wrong TLS certificate to the Veeahub. Subsequent hub access commands produce the following unhelpful error message:

```
curl: (56) OpenSSL SSL_read: error:14094418:SSL routines:ssl3_read_bytes:tlsv1 alert unknown ca, errno 0
exit status 56
```

Release Notes

The systemd-binfmt is now restarted by the package postinst script.

The time parsing code was changed to properly handle all timestamps produced by all versions of docker.

The command was changed to verify the partner IDs (local and remote) to detect one class of errors. It was also modified to report human-readable error messages when the Veeahub cloud operations fail.

The vhc tool was modified to produce a more helpful error message:

```
curl: (56) OpenSSL SSL_read: error:14094418:SSL routines:ssl3_read_bytes:tlsv1 alert unknown ca, errno 0
```

The TLS credentials on the development machine do not match those on the Veeahub. Please run 'vhc hub access upload-license' to replace them, then re-run the failed command.



When the TLS certificate expired, running a vhc hub access command produced an unhelpful error message:

```
joe@ubuntu:~/vh_dbus$ vhc hub
access upload-image build/auth
/arm64v8/vh_dbus-arm64v8\1.0.0.
signed.tar
Creating image push for file [build
/auth/arm64v8/vh_dbus-arm64v8:
1.0.0.signed.tar] on
E09BCW00C0B000000579:9000 (images
/push)...

curl: (56) OpenSSL SSL_read: error:
14094415:SSL routines:
ssl3_read_bytes:ssl3 alert
certificate expired, errno 0
exit status 56
```

If a vhc hub access command is run and the TLS certificate is expired, a message will be displayed instructing the user to run the command to update the certificate.

```
Your TLS certificate has expired.
Please run:
    vhc partner secure update-tls-credentials
```



If a developer uses the wrong credentials, it can result in an unhelpful error messages:

```
Verifying signed image
2023-08-23 10:51:57 SDL.elements.
VeeaContainer
ERROR Invalid image signature
    0 warnings
    1 errors
Failed - please fix errors
ERROR: Removing invalid signed
image archive
```

The signing procedure will now check the partner credentials before attempting to sign or verify an image. Wrong credentials will result in a more helpful error message:

```
The TLS credentials on the development machine do not match those on the VeeaHub.
Please run 'vhc hub access upload-license' to replace them,
then re-run the failed command.
```