VeeaHub Toolkit

1.2.1

Release Notes

Release Summary

- A template example called vh_btmon was added
- Several VHC commands were added to control capabilities, privileges, and interfaces
- A command was added to create a new empty image with default settings.

New Features

T	Issue Summary	Release Notes
➕	VeeaHub platform software release 2.32.3 added a new DBus API for bluetooth monitoring using btmon. Customers will benefit from an example that demonstrates how to use it.	A new template example called vh_btmon was created to demonstrated BluetoothMonitor usage. It makes use of the io.veea.VeeaHub.BluetoothMonitor service Run() and Stop() methods.
☑	Currently, only the src and assets directories are checked to determine if a rebuild is needed. Legacy images do not necessarily adhere to this convention, so the check should include all directories/files unless explicitly excluded.	VHC now checks all image files and directories except the following: • The build/ directory • The config.yaml file (checked in the previous annotated Dockerfile phase) • The swarm.conf file (checked separately in a different phase) • Files and directories in the .dockerignore file (if it exists)
☑	Enhanced capabilities, privileges, and interfaces were supported in the config.yaml file, but there were no VHC commands to add or remove them.	New VHC commands were added under: • vhc image config capability • vhc image config privilege • vhc image config interface For capabilities:

```
$ vhc image config capability --help
Adds/removes capabilities to/from the image configuration.
Use the 'list' option to display available capability options.
Use the 'show' option to display configured capabilities.

Usage:
  vhc image config capability [flags]
  vhc image config capability [command]

Available Commands:
  add         Adds a capability to the secure configuration.
  list        Lists available capability options.
  remove      Removes a capability from the secure configuration.
  show        Shows configured capabilities.

Flags:
  -h, --help   help for capability

Global Flags:
  -w, --working-dir string   Sets the image working directory. (default ".")

Use "vhc image config capability [command] --help" for more information about a
command.
```

For privileges:

```
$ vhc image config privilege --help
Adds/removes privileges to/from the image configuration.
Use the 'list' option to display available privilege options.
Use the 'show' option to display configured privileges.

Usage:
  vhc image config privilege [flags]
  vhc image config privilege [command]

Available Commands:
  add         Adds a privilege to the secure configuration.
  list        Lists available privilege options.
  remove      Removes a privilege from the secure configuration.
  show        Shows configured privileges.

Flags:
  -h, --help   help for privilege

Global Flags:
  -w, --working-dir string   Sets the image working directory. (default ".")

Use "vhc image config privilege [command] --help" for more information about a
command.
```

For interfaces:

```
$ vhc image config interface --help
Adds/removes interfaces to/from the image configuration.
Use the 'list' option to display available interface options.
Use the 'show' option to display configured interfaces.

Usage:
  vhc image config interface [flags]
  vhc image config interface [command]

Available Commands:
  add         Adds a interface to the secure configuration.
  remove      Removes a interface from the secure configuration.
  show        Shows configured interfaces.

Flags:
  -h, --help   help for interface

Global Flags:
  -w, --working-dir string   Sets the image working directory. (default ".")

Use "vhc image config interface [command] --help" for more information about a
command.
```

- [x] There is a way to create a new image with default settings:

  vhc image create <name>

  but this is not intuitive.

A new create command was added to create a configuration file containing the image name and default settings.

```
$ vhc image create new my_image
Generating config.yaml in my_image.
```