



## Release Notes – VTAP connectivity firmware

*Our previous VTAP connectivity firmware release was v1.0.3.3 from Oct 2024*

*Our latest VTAP connectivity firmware release is v1.0.4.3 from Feb 2025*

IP-connected readers such as the VTAPI00 PRO contain an additional processor module responsible for wireless or Ethernet comms. This uses VTAP connectivity firmware (`vtapcfw.dat`), separate from the core VTAP firmware. We always recommend using the latest firmware releases, to benefit from the full set of VTAP features and any fixes to date. The previous release version remains available, in case you find that you need to revert for any reason.

**Note:** VTAPI00 PRO readers in Cloud mode will be automatically updated by VTAP Cloud when appropriate. Manually updating the firmware on a reader in Cloud mode is not normally necessary and should only be done under the advice of Dot Origin support.

Some features can only be used on certain hardware models, or when a certain minimum version of VTAP connectivity firmware is being used alongside the latest VTAP core firmware. Please check whether you have the right hardware to take advantage of new features.

For more details, or help downloading the latest firmware, please consult the VTAP Configuration Guide, or the VTAP Commands Reference Guide. You will find the latest firmware and guides at <https://vtapnfc.com>

If you have other questions about the latest hardware and firmware capabilities, unit pricing or availability please email us at [vtap-sales@dotorigin.com](mailto:vtap-sales@dotorigin.com)

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In summary, the changes in release v1.0.4.3 (Feb 2025) are:

- Various bug fixes and improvements

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In summary, the changes in release v1.0.3.3 (Oct 2024) are:

- **BLE GATT support**, which allows a custom application to connect to and receive tap data directly and return its own action requests to the VTAP PRO reader. This is an alternative to BLE keyboard emulation. There is a VTAP Application Note with more detail about this feature.
- Various bug fixes and improvements

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In summary, the changes in release v1.0.2.4 (April 2024) are:

- Various bug fixes and improvements
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In summary, the changes in release v1.0.2.3 (March 2024) are:

- **Added Bluetooth capabilities [on VTAP100-PRO-BW in Local mode]** including Bluetooth BLE keyboard emulation, Bluetooth scanner input and BLE beacon. **\*v1.0.2.3 is the minimum release for using VTAP100-PRO-BW in Local mode\***
- **Improved Hotspot mode for VTAP PRO Cloud mode** by displaying the VTAP serial number and Wi-Fi MAC address on the web page for changing Wi-Fi settings.
- **Extra option to allow static IP address configuration** by disabling DHCP in the `config.txt` configuration file.
- **Added support for @restart and @reboot commands** to reboot the VTAP connectivity firmware only, from any VTAP command interface.
- **Added external relay and serial LED control options** which are needed when the optional VTAP100 I/O expansion board is used. **\*v1.0.2.3 is the minimum release for using VTAP100-PRO-EXP1\***

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Release v1.0.1.8 (Sep 2023) was the first release of `vtapfcw.dat` firmware for VTAP PRO Cloud mode use.