

OEM Build 7 Release Notes

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Trust Center

Installer

- Added more documentation to the Teraform modules
- Upgraded helm charts
- Resolved an issue where OTA services do not roll on a Kafka version upgrade
- Upgraded to latest Kafka version
- Added the ability to reset the Admin password
- Added official support for Rocky Linux to replace CentOS

Management API

- Fixed several security vulnerabilities
- Resolved a memory leak in Endpoint Connector and PKI adapter
- Added ability to change log-level of most micro-services and defaulted to "info" in order to improve default performance
- Added ability to block non-HID USB devices from being forwarded and to enforce this setting on the Client
- Added k8s support to the support bundler
- Resolved an issue where endpoints could not always be issued an firmware upgrade
- Added Fluentd/Fluentbit services to allow simple integration with various log aggregation and metric visualization services (Sumologic, Datadog, Elasticsearch, Graphana, etc)
- Added support bundle feature to be able to filter and retrieve logs from endpoints
- Resolved an issue where the Trust Center became unresponsive due to high CPU usage

Endpoint API

- Added a **renewBefore** interval setting for endpoints to request a renewal before the client certificate expires
- Bootstrap service is deprecated, and its functionality is moved into the Registration service (returning the CA and Trust Center URIs)
- Splitting Trust Center to have 4 ingress hosts with different certificate chains
- OSTree use Hardware IDs of amd64 instead of r1000
- Enabling mutual TLS with connections between the endpoints and the Trust Center

Factory Provisioning Server

- Started upgrading to use new production PKI from HP Cyber, but this work is ongoing

Known Issues

- Due to significant changes in how the Trust Center is deployed, this release requires a clean install. The upgrade process will fail between Build 5 or 6 and Build 7. Please run `sudo ./uninstall.sh` and `sudo ./install.sh` with the updated config file.

Zero Trust Client

User Interface

- Fixed several security vulnerabilities
- Fixed a bug where the session would crash if GPU offload was enabled on the host
- Created a new "connecting" screen after clicking on a desktop and added the ability to cancel a session start
- Added notification when a desktop is starting or restarting so user knows why there is a delay in connecting
- Implemented custom startup "splash screen" during OS startup (currently supports Anyware logo)
- Added log files viewer

- Fixed fonts of Network Health icon
- Improved responsiveness of Network Health alerts
- Added validation to disable the ability to add a Connection with the same alias or FQDN
- Switched from HPC to HAM client mode
- Locked down TTYs and disabled UI terminal access
- Upgraded scrollbar styles
- Improved Settings User Experience
- Added ability to enable and disable USB forwarding via the Settings menu
- Updated styles of notification systems
- Added endpoint ID under Settings General Client Info modal
- Resolved a bug for long Connection and Desktop names... adding ellipses to help users identify buttons quicker
- Added an info modal to Connections and Desktops
- Added a Restart option to Desktops
- Ensured that when pressing enter on all UI forms, the form was submitted
- Resolved a bug where states were not displayed correctly on first reboot
- Resolved an issue where log-level was being overridden when connecting to a session
- Added bookmark feature to Desktop page
- Added hostname to Settings General Client Info modal
- Added Help widget to allow users to send support bundles to the Trust Center
- Resolved an issue where the endpoint Timezone was not being properly synchronized with the host
- Added ability to view certificate meta information into Log viewer
- Added ability to change Desktop aliases

Trust Agent

- Improved certificate startup process via TPM 2.0 device on initial Trust Center registration
- Updated to use TPM during registration on Ubuntu OS (related to Desktop Client initiative)
- Added automatic renewal of Operational Certificates
- Added ability to package and send support bundles to the Trust Center

Operating System

- Fixed a bug where birth certificates could be deleted after factory provisioning
- Moved from Wayland to X11
- Locked down TTY access
- Removed terminal and toolbar access
- Upgraded splash screen to use Anyware logo

Known Issues

- USB device Classes are not being reported properly in the Settings window. A bug has been filed and will be resolved in the next release.
- When the Zero Client is started, non-HID USB devices are defaulting to "Do not Connect" instead of "Optimized." To connect the USB device, simply change the drop-down selection to "Optimized" in the Settings menu of the Pre-Session. USB devices that are hot-plugged while in-session are not affected. This is not an ideal user experience, so a fix is being investigated.
- The UI to modify WiFi settings will be added in a future release and will become available via an Over-the-Air update after GA.
- On multi-monitor, the Pre-Session UI now spans all monitors instead of being fullscreen on the primary monitor. This will be resolved for GA.
- Some ports, such as SSH, are still open on the device. Ports have been locked down on development builds, but are still under review. No ports will be open on the device for GA.
- Although, GPU offload crashes were resolved, performance issues persist and are being actively investigated.
- Wacom USB devices cannot be changed from HoIP-mode to URBoIP-mode. A resolution is being actively investigated and is expected to be resolved by GA.
- Keyboard delay and repeat rate are currently not supported due to a compositor limitation.
- Leave Fullscreen and Minimize menus exist in the in-session menu UI, but do not make sense for this UI version of the Zero Client. These menu items have been put behind a feature flag and will be removed in the next release.