

Hypori

One Device, **Zero** Worries

2024.3.1 Release

January 27th, 2025

Hypori Platform 2024.3.1 Release

This document summarizes the key improvements for the **2024.3.1 minor** release of the Hypori Platform. These updates are available to Hypori Cloud customers on AWS including those with deployments in their own AWS accounts.

This release includes key security updates, product enhancements, and bug fixes aimed at enhancing user experience, strengthening platform security, and improving overall reliability. Highlights of this release are as follows.

Security Updates

We have strengthened our platform's security by updating third-party dependencies to address vulnerabilities. Below is a summary of the implemented security updates.

- **Red Hat Enterprise Linux (RHEL) 8:** Upgraded RHEL 8.10 packages to address multiple vulnerabilities, including security updates for Kernel, ClamAV, and networking components.
- **Hypori Microservices**: Resolved vulnerabilities in the Amazon Corretto Java 17 JDK, container OS, Spring Boot, and Google Protocol Buffers used by Hypori microservices.

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Platform Improvements and Bug Fixes

This release introduces improvements to overall user experience and environment management. Key highlights are outlined below.

- **Enrollment Portal**: Key improvements made include:
  - New Authentication QR Code – allows a user to self-service request for a new QR code for 2FA authenticator app.
  - New Hypori QR Code – allows a user to self-service request for a new QR code to set up an account on Hypori Client app.
  - Update Contact Email – allows a user to update their contact email address for Hypori communication.
  - View Enrollment Status – allows a user to view their enrollment status progress.
  - Email Whitelist – allows administrators to restrict access via a whitelist of permitted user email addresses.
  - Maintenance Banner – The portal now displays scheduled maintenance start and end date and time, including time zone.
- **Console 1.0**: Introduced support for two-factor authentication (2FA) for enhanced security, available to administrators (Admin Console) and domain managers (User Management Console).
- **Purebred Device Registration**: Added configurable timeout settings for virtual device registration with Purebred services, providing greater flexibility.
- **Infrastructure Upgrade**: Upgraded RabbitMQ, the queue management system, to its latest version.

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- **Console 2.0**: Added hover previews for various links under template management pages and resolved bugs to enable the following.
  - Fixed a page loading issue for domains disabled policy inheritance (client or virtual device).
  - Enabled assignment of non-default virtual device policies to newly allocated virtual devices.
  - Allowed cloning an existing LDAP configuration without requiring an LDAP password.
  - Enabled creation of a new LDAP configuration without requiring user basic password to be selected.
  - Resolved an issue preventing template managers from deleting unused apps.
  - Fixed an issue where canceling an APK upload did not function properly.

Virtual Device Improvements and Bug Fixes

This release improves Hypori virtual devices with enhanced security, better app compatibility, and improved functionality.

- **Android Security Patches**: Hypori virtual device base images now include Android security patches (October to December 2024) to enhance security and compliance with the latest standards.
- **Camera Access Policy**: Virtual device policies now support granting specific apps access to the camera without requiring additional user prompts for camera permissions.
- **Intel ARM Emulation**: Integrated the latest Intel Houdini bundle into Hypori virtual device base images, enabling smooth execution of ARM-based apps on Intel-based virtual devices.
- **Touch Events**: Improved the reliability of multi touch events.
- **Intent Filters for Google Maps**: Resolved a compatibility issue in microG-based images related to intent filters for Google Maps, improving stability.
- **Android 13 Image Build:** For this release, we recommend using Android 13 image build 299 for virtual devices to ensure optimal compatibility and performance.

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