



Payments.iQ NG Release history



JSC Penkių kontinentų bankinės technologijos
2, Kareivių str., LT-08248, Vilnius, Lithuania
Tel.: +370 5 266 45 95
info@bs2.lt, www.bs2.lt

Penki Kontinentai Group
2, Kareivių str., LT-08248, Vilnius, Lithuania
Tel.: +370 5 266 45 01
info@5ci.lt, www.5ci.lt

Payments.iQ New Generation

Date	Version	Main functionality
January 2026	1.15	Platform Payments.iQ NG (scenarios and journal): • Smart Clipboard — new multi-device selection panel: selected devices are retained and displayed in the Smart Clipboard window when navigating between pages, searching, and changing filters in the "Groups and Devices" panel. • QR CashOut — added the ability to select denominations for dispensing. • Implemented configuration of idle background scenarios and hiding of scenarios in the selection window. • Added a separate permission for managing Maintenance mode. • Improved ATM identification mechanism. • Fixed timestamps in transaction log export (previously rounded to 2-5 seconds). • Fixed ServerTimeout: the timer no longer resets the session for host-controlled screens. • Fixed filtering of conflicting devices in the Targets section and generation of an empty clearing file when access rights were correct. Reporting: • DS Center reports are now accessible directly from Payments.iQ NG: the module is activated in Admin Console settings and opens from the portal's top menu. • Fixed Profit rounding in the "Totals by currency" report. • Fixed display of extra currencies when a single currency is selected. • Fixed report file name for non-Latin languages. • Fixed report scheduler (seconds were reset to 0). FCX (currency exchange): • Added the ability to assign exchange rates to virtual groups. • Added a "Not dispensable change" column in Clearing Files. • FCX schedule now uses the ATM's time zone instead of server UTC. • "Disconnect failure" transactions are now updated in Clearing Files once connection is restored. • Fixed Enable/Disable buttons for rates and rate display on the Rates tab. Security (OWASP): • Added forced password change on a user's first login. • Added automatic logout when a user's password is changed by an administrator. • Session now correctly terminates after logout and after a password change. • Closed a Rate Limit bypass vulnerability exploitable via brute-force race condition. • Eliminated information leakage in error handling and excessive sensitive data exposure in API responses. • Removed username display in login error messages.

		PulseAI.iQ 1.0 (new product integration) - Added a separate license for PulseAI.iQ. - Implemented automatic start/stop of the Assistant service based on the license. - Configured display of PulseAI.iQ menu items depending on the license. Notifications: - Improved informativeness of role-change notifications. - Fixed password-expiration notification text (Telegram and Email). - Fixed incorrect notifications when creating a new role and a new user. Administration and devices: - Terminal ID is now case-insensitive (duplicates excluded). - Added MAIB device types. - Software Updater now updates devices without platform restrictions. - Fixed API key creation and license validation (DateTime overflow). Frontend: - Added a JSON editor for device Additional Props. - Fixed Schemas elements (RAW window, Refresh button) and section filters. - Fixed display of human-readable scenario descriptions (instead of keys) in rule and parameter dialogs. - Fixed group/device count when selecting subgroups. Infrastructure (DevOps): - Fixed PostgreSQL startup when upgrading from version 1.14 to 1.15. - Set requests/limits for all microservices. - Configured Loki and Mongo retention policies (Mongo TTL - 1 year); added a Grafana dashboard for monitoring database size. ATM agent: - Improvements to the OneUI emulator. - Fixed Kiosk agent crashes; added truncation of long server responses in agent logs.
January 2026	1.14	Transaction Log - Implemented a unified status model (Unified Statuses) for all system components, simplifying analysis and support. - Enhanced Retry Payment functionality: - Payment retry is now available for multiple transactions simultaneously. - Improved data display in transaction logs: - During Retract operations, the amount is now correctly displayed in the Dispensed column. - Added Waiting for Resolution status to simplify analysis of problematic sessions. - Service name is now displayed in the transaction list (journal) Monitoring and Logging - Implemented direct log export from Loki through Admin Console, including: - Parameter form and download button. - UI configuration for log retention policy. - Added capability to integrate Grafana alerts with the notification service.

		• PaymentsNG Agent version (commit hash) is now displayed on the Pulse tab in monitoring. • Improved error handling for terminal network polling and exception logging. • Developed mechanism for retrieving session logs through Loki API. • Implemented transfer of ATM agent logs to the server via Agent.PulseAI.Signal • Removed deprecated Error Logger Administration and Security • Audit Trail now records user logout events. • Implemented email and Telegram notifications for security events. • Added capability to connect AI Assistant for processing Payments logs. • Improved device identification: - Handling scenarios with cloned devices. - Generation of unique H/W ID based on network adapter MAC addresses. UI/UX Improvements • Enhanced scenario display and localization: - Human-readable names and descriptions. - Consistent display across the UI. • Changed hardware monitoring filters (checkbox → combo). • Restricted table sorting by Terminal ID to improve readability.
August 2025	1.13.0	Transaction log: • A new 'Journal' menu item has been added with a completely redesigned transaction list interface. • The old 'Sessions' component is outdated and no longer available. Monitoring: • A tool for monitoring device components has been added. It is now possible to track the status of printers, acceptors, and other components (currently only supported for kiosks). Logs: • Logs are now processing through the Loki/Grafana stack. • Grafana dashboards are integrated into the new Logs component in the Payments iQ.NG administration panel. • Device logs are stored on the server. Active Directory integration: • Added the ability to authorise in the Payments iQ.NG system through Active Directory accounts. Updated password policies: • Password history introduced: a new password cannot match the last 5 passwords. • Password complexity requirements implemented. • Automatic password expiry check. • Background blocking of inactive users after 365 days.

		Reports: - The reporting subsystem has been completely redesigned using the new Jasper Reports library instead of Jasper Reports Server. - A new report has been added that allows you to see the number and amount of transactions for a service over a specific period. FCX - integration with the bank gateway: 2 new columns have been added to the table and export of clearing files: AuxId – external device identifier Integration Status – integration status with the gateway
June 2025	1.12.0	Performance and stability: - Faster session launch, optimised performance of key scenarios, and improved overall system stability. - Significantly reduced memory consumption, which has a positive effect on performance under high load. Sessions: - Session table and filters updated in line with the latest API changes, simplifying data navigation. Administration - Security enhancements: - Devices in collapsed groups are now protected from accidental deletion, minimising the risk of data loss. Fixes: - Fixed errors in cheque printing and status display. - Fixed issues with connection interruptions, incorrect translation display, timers, and errors on screens and in the mobile version. - Resolved issues with filtering, pagination and display of information in modules such as Sessions, Monitoring, Marketing and Licensing.
April 2025	1.11.0	Infokiosks - Equipment accounting and control: - Added the ability to set cassette capacity, allowing for more accurate load and collection planning Transaction sheet - Expansion of analytical capabilities: - Added a new “Unified Status” column to the transaction sheet that summarizes the transaction status both on the device and in the banking system - for more transparent monitoring and discrepancy resolution - Expanded possibilities of applying transaction filters, which simplifies work with large amounts of data and makes the search for the necessary information faster - Implemented a mechanism for preventing multiple connections from the same device, improving overall system reliability FCX - Integration with internal systems: - Added support for integration with an online bus, enabling instant transmission of transactions to banking systems for prompt processing and analysis

November 2024	1.8.1	• Template changes • Minor bugfix
October 2024	1.8.0	• We can now assign all groups to the user at once • Since version 1.8.0 we can update scenarios microservice separately from the NG platform • Removed Upload button • Administration and PaymentsNG have been taken out to a separate micro frontends • Improved pruning policy, the pruning process is now run every 15 mins • Improved scenario params editor • License validity status can now be viewed in Licenses • Modules versions may now include component version • Added Maintenance mode • Added license serial number check to avoid duplication • Added IP address column • Added Customer Journey Analytics & Customer Journey Map module • Added an ability to activate/deactivate products and edit additional properties for a group of devices
September 2024	1.7.2	• Added a mechanism to mark transaction as lost in clearing files. • Added extra columns and their configuration mechanism. • Modified filter, added filtering sessions by either SessionId or by ReferenceId (RRN). • Scenario translations can be defined in a schema • TermNR from device's additional props is now used for ABS integration
August 2024	1.7.1	• 6 new banks' scenarios
May 2024	1.7.0	• Navigation tree and list selections are now kept between sessions. • User activity in all modules is now logged in Reports, DS Center, Payments • Added flags mechanism to manage UI modules visibility. • Deferred transactions are now indicated in the table. • Added Payments NG module (2 Pilot scenarios) • Transition to the new Oracle Linux 9.3 distribution • Added the ability to change the time zone in the template
March 2024	1.6.3	• Flags config in cluster configurator (menu items) • Changed docker network subnet in template
December 2023	1.6.0	• Added Proxy microservice • Added Check License cronjob • User permissions • Device Key • Exchange Rates • Async reports run • User access rules • Receipts Collection Service • License activation
October 2023	1.5.0	• Licensing initial implementation • DataCenter reports • Portal refactoring • Errors Log Add datetime from/to to the filter • Company data export/import report properties

		• Add description to the report properties, add endpoint to retrieve description by the report id • Add a user flag to indicate if visibility can be changed for the given report • Copy user access rules to another user • Devise a mechanism to prevent message flood • Add an endpoint to retrieve transaction change code, add a permission to view the code • Vendors: added a Requisite form column • Terminal states added: Last state, Printer, Cassette, City, Address columns • Transactions: filters by PAN, payment type and currency scheduled reports added • Implement scheduled reports generation
July 2023	1.4.0	• Implemented reports subsystem • Implemented UI and external notifications propagation mechanism • Implemented agent and products update mechanism • Added an agent column • Product versions are now displayed in the columns • ConnectionStatus is properly updated immediately after agent goes online/offline • Pending devices was appended with Agent version column • Device platform is added for device properties • TerminalId column is added to the Error Log table • Added new microservices: reports,.jasperreports, facerecognition • Possibility to enable or disable ssl for FCX microservice • Setting up an application from the configurator menu