# Mbanq Cloud
# Product Features

October 1st, 2018

## Overview

The Mbanq Cloud consists of the following applications:

- **Mbanq Backoffice** – a web-based backoffice for business users of a bank
- **Mbanq Console** – a web-based interface to manage your banking instances. Useful for IT users.
- **Mbanq API** – a RESTful API that provides complete access to the functions of our digital core banking system
- **Mbanq Web** – a template web banking app for the clients of a bank

We have new apps and features planned for 2019, as we add mobile apps, field operations apps, and expand capabilities through the upcoming Mbanq Marketplace.

All features described below are available through the Mbanq Backoffice, as well as our API.

## Client Management

- Client Management – create, approve, activate, update, close, search, filter, list, import
- Maker/Checker workflows for client management
- Client addresses
- Family associations
- Client identities, documents, signatures, notes
- Client Charges
- Overview of accounts - current, savings, loan accounts, fixed and recurring deposit, and share accounts
- Transfers / withdraw / deposit
- Assign Staff
- Assign / Transfer Client to branch/office
- Client surveys
- Easily extend attributes of a client through the backoffice web interface or API
- Create / view / manage standing instructions

## Current Accounts / Savings Accounts

- Account creation, approval, activation, update, closure
- Maker / Checker workflows for account management
- Deposit / Withdraw
- Calculate Interest, Post Interest
- Assign Staff
- View / Export Transactions
- Add Charge

## Loan Accounts

- Loan applications - create, update, approve, disburse, …
- Maker / Checker workflows for loan management
- Add loan charges
- Prepay Loan
- Assign Loan Officer
- Foreclosure
- Make repayments
- Disbursal / undo disbursal
- Waive Interest
- Reschedule
- Write-off
- Close
- Manage Guarantors
- View Repayment Schedule
- View / export loan transactions
- Manage loan documents and notes

## Share Accounts

- Maker / Checker workflows for creation, approval, activation, closure of accounts
- Manage share accounts

## Product Portfolio Management

- Current Account / Savings Account Products
    - currency, nominal annual interest, minimal opening balance, lock-in period, apply fees for transfers, balance required for interest calculation, minimum balance, allow overdraft, maximum overdraft limit, withholding tax, number of days to inactive, number of days to dormant, charges, accounting
- Loan Products
    - start date, stop date, fund, currency, installments, principal, number of repayments, interest rate, amortization, interest method, interest calculation period, repayment strategy, moratorium, interest free period, days in year, days in month, fixing installment amount, interest recalculation, variable installments allowed, multiple disbursals, configurable terms and strategies for individual loans, charges, accounting
- Share Products
- Charges
- Product Mixes
- Fixed Deposit Products
- Recurring Deposit Products
- Tax Configuration
- Floating Rates

## Microfinance Groups / Centers

- Manage groups and centers for microfinance – create / update / search /list
- View / manage group savings and loan applications
- View / manage members of groups
- Assign groups to staff

## User Administration

- Manage users
- Assignment to office/branch
- Assignment to staff
- Role assignment

## Organization Management

- Manage Offices / branches
- Manage Holidays
- Manage Working Days
- Manage Employees
- View / Search Standing Instruction History
- Manage Password Preferences
- Manage Loan Provisioning Criteria
- Manage Currencies
- Manage Funds
- Bulk Loan Reassignment
- Teller / Cashier Management
- Manage Payment Types
- Manage SMS Campaigns
- Bulk Data Import

## System Management

- Easily extensible system codes (e.g. client classifications, address types, statuses, countries, etc…)
- Manage roles and permissions
- Maker / Checker rules
- Manage Webhooks
- Manage Surveys
- View Audit Trails
- Manage Reports
- Schedule Jobs
- System Configuration
- Account Number Preferences
- Manage Multi-factor authentication

## Accounting

- Chart of Accounts
- Frequent Postings
- Add / Search Journal Entries
- Closing Entries
- Accounting Rules
- Accruals
- Provisional Entries

## General Mbanq Backoffice Features

- **Notification Inbox -** for Mbanq Backoffice users
- **Keyboard Shortcuts** - and menu setup for quick access to commonly used functions

## Mbanq Console

- **Manage Banking Instances** – quickly provision and manage your banking instances
- **App Management -** manage apps and credential
- **Teams** - Manage organization and teams of technical users (2019)

## API & Extensibility

- **RESTful API** - covering the complete functional of the Mbanq Cloud digital core.
- **API Management** - enables you to provide OAuth 2 credentials to internal services and external services.
- **OAuth 2** – authentication to the Mbanq Cloud API using OAuth 2, supporting multiple OAuth flows.
- **Webhooks** – many events in the Mbanq Cloud digital core can trigger calls to webhooks
- **Data Tables** - Easily extend core objects (clients, accounts, products, and more) through the Backoffice or API

## Security

- **Multi-Factor Authentication** - support in the Mbanq Backoffice. Second factor as email (available now) or SMS (2019). Additional authentication methods can be added on request.
- **Maker / Checke**r - module provides the ability for many functions in the digital core to require 4 eyes, one person to make the change, and another to approve it. The functions requiring approval are fully configurable.
- **Password Policies** - configurable password polices for users
- **Roles / Permissions –** extensive permission and role system
- **CORS, HSTS, TLS 1.3 and Content Security Policies -** configured by default

## Reports

- Active Clients
- Active Group Leaders
- Active Loan Clients
- Active Loans – Details
- Active Loans – Summary
- Active Loans by Disbursal Period
- Active Loans in Last Installment
- Active Loans passed Final Maturity
- Aging Detail
- Aging Summary (Arrears in Months)
- Aging Summary (Arrears in Weeks)
- Client Listing
- Client Loans Listing
- Dormant Prospects
- Expected Payments by Date (basic)
- Funds disbursed between dates
- Funds disbursed between dates by office/branch
- Loan Payments Due
- Loan Payments Due (Overdue Loans)
- Loan Payments Due (Active Loans)
- Loans Awaiting Disbursal
- Loans Awaiting Disbursal by Month
- Loans Pending Approval
- Obligation Met Loans Detail
- Obligation Met Loans Summary
- Prospective Clients
- Rescheduled Loans
- Account Dormancy Report
- Written-Off loans