

Documentation

MPR Loyalty Revolution

A comprehensive B2B trade account, customer loyalty, and credit account management module for PrestaShop 1.7+.

Overview

MPR Loyalty Revolution provides a complete solution for managing trade customers, loyalty tiers, and credit accounts:

- **Trade Account Applications** - Customers apply for trade accounts with VAT validation and document uploads
- **Tier System** - Configurable tiers for both trade and individual customers with automatic qualification
- **Credit Accounts** - Line of credit for B2B customers with payment tracking and Stripe integration
- **B2B Company Management** - Multi-user company accounts with shared resources

Features

Trade Account Management

- Online application form with customizable fields
- VAT number validation (VIES API integration)
- Document upload support (trade licenses, certificates)
- Automatic approval based on configurable rules

- Manual review and approval workflow
- Application status tracking for customers
- Expiry management with notifications

Tier System

Two Separate Tier Tracks:

- **Trade Tiers** - For B2B/trade customers (requires trade account approval)
- **Individual Tiers** - For regular customers (based on purchase history)

Tier Features:

- Configurable qualification rules (turnover, order count, account age, etc.)
- Benefits: discounts, free shipping, payment terms, priority support
- Automatic tier evaluation on order placement
- Tier locking with optional expiry
- Grace periods before downgrade
- Full tier change history

Credit Account System

Line of Credit Model:

- Configurable credit limits (from tier, company, or manual)
- Coverage ratio (e.g., 50% credit, 50% upfront payment)
- Payment terms (Net 7, 14, 30, 60 days)
- Interest on overdue payments (configurable)

Payment Tracking:

- Per-order credit tracking with due dates
- Payment declarations with proof upload
- Admin confirmation workflow

- Stripe Checkout integration for online payments
- FIFO or selective payment allocation
- Surplus balance from refunds

Company Credit:

- Shared credit pool for company members
- Optional per-member sub-limits
- Company admin can manage member limits

B2B Company Management

- Company profiles with verification
- Multiple employees per company
- Role-based permissions (admin/member)
- Shared address book
- Invite system (link or email)
- Email domain auto-matching

Installation

1. Upload module to `/modules/mprtradeaccount/`
2. Install via PrestaShop Back Office → Modules
3. Configure settings in Trade Accounts → Configuration

Configuration

General Settings

- Enable/disable module
- Application form fields (required, optional, hidden)

- Auto-approval conditions
- Customer group assignment
- Expiry settings

Tier Configuration

- Create trade and individual tiers
- Define qualification rules per tier
- Configure benefits per tier
- Set evaluation frequency

Credit Account Settings

- Enable credit accounts
- Default limits and terms
- Coverage ratio
- Interest settings
- Overdue handling
- Reminder schedule

Stripe Integration

For credit payment collection:

1. Enable Stripe in Credit Account settings
2. Configure Stripe API keys
3. Set up webhook endpoint:
`https://yourshop.com/module/mprtradeaccount/StripeWebhook`
4. Enable desired payment methods

Admin Controllers

Controller	Description
Dashboard	Overview, stats, alerts
Trade Applications	Manage applications
Customers	All customers with tier/credit info
Tiers	Trade and Individual tier management
Credit Accounts	Credit limits, payments, transactions
Companies	B2B company management
Configuration	Module settings

Frontend Pages

Page	Route	Description
Application	/trade-account/apply	Trade account application form
Status	/trade-account/status	Application status page
Credit Account	/trade-account/credit	Credit account management
Company	/trade-account/company	Company member area

Hooks

The module uses the following PrestaShop hooks:

Display Hooks:

- `displayCustomerAccount` - Trade account link in customer area
- `displayNav1/2`, `displayTop`, `displayFooter` - Trade account button
- `displayAdminOrder` - Credit info on admin order view
- `displayAdminCustomers` - Trade/credit info on customer view

Action Hooks:

- `actionValidateOrder` - Create credit orders, evaluate tiers
- `actionOrderStatusUpdate` - Handle cancellations/refunds
- `paymentOptions` - Register credit payment option

Integration with MPR Express Checkout

When both modules are installed:

- Credit Account appears as payment option in Express Checkout
- Stripe capabilities shared between modules
- Unified customer experience

Cron Jobs

Set up cron to run daily:

```
0 2 * * * curl -s "https://yourshop.com/module/mprtradeaccount/Cron?token=YOUR_TOKEN"
```

Handles:

- Overdue status updates
- Interest calculation
- Payment reminders
- Tier evaluations (if scheduled)

Database Tables

Core Tables

- `mprtradeaccount_application` - Trade applications

- `mprtradeaccount_attempt` - Application audit log
- `mprtradeaccount_document` - Uploaded documents
- `mprtradeaccount_config` - Module configuration

Tier Tables

- `mprtradeaccount_tier` - Tier definitions
- `mprtradeaccount_tier_rule` - Qualification rules
- `mprtradeaccount_tier_benefit` - Tier benefits
- `mprtradeaccount_customer_tier` - Customer assignments
- `mprtradeaccount_tier_history` - Change history
- `mprtradeaccount_customer_metrics` - Cached metrics

Credit Tables

- `mpr_credit_account` - Credit accounts
- `mpr_credit_member_limit` - Company member sub-limits
- `mpr_credit_order` - Credit orders
- `mpr_credit_payment` - Payments
- `mpr_credit_payment_allocation` - Payment to order mapping
- `mpr_credit_transaction` - Transaction log

Shared Tables (`mpr_` prefix)

- `mpr_company` - B2B companies
- `mpr_company_member` - Company memberships
- `mpr_company_address` - Shared addresses
- `mpr_company_contact` - Company contacts
- `mpr_company_invite` - Email invitations

Requirements

- PrestaShop 1.7.0+
- PHP 7.1+
- MySQL 5.5+

Optional:

- MPR Express Checkout (for enhanced payment integration)
- Stripe account (for credit payment collection)

Support

For support, contact: info@mypresta.rocks

License

Commercial license - restricted to authorized domains only.

Development

File Structure

```
mprtradeaccount/  
├─ controllers/  
│   ├─ admin/           # Back office controllers  
│   └─ front/          # Front office controllers  
├─ mails/              # Email templates  
├─ sql/                # Database install/uninstall  
├─ src/  
│   ├─ Classes/        # ObjectModel and Manager classes  
│   └─ Traits/         # Shared traits  
├─ views/
```

```
| └─ css/           # Stylesheets
| └─ js/            # JavaScript
| └─ templates/    # Smarty templates
└─ mprtradeaccount.php # Main module file
└─ config.xml      # Module configuration
```

Planning Documents

- `PLAN_TIER_SYSTEM.md` - Tier system implementation details
- `PLAN_CREDIT_ACCOUNTS.md` - Credit account system implementation details

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