

# Shop Management

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**Last Updated:** 2026-05-19

**Version:** v2.0

**Short Description:** The Shop Management API provides endpoints for creating, managing, and retrieving shop information on the NextGate platform. Covers shop registration, updates, approvals, WABA (WhatsApp Business) integration, AI chatbot toggling, and conversation history.

## Hints:

- All shop endpoints use the prefix `api/v1/e-commerce/shops`
- Shop creation requires authentication; public users can only read
- Pagination uses 1-based page numbering
- Shop approval operations require `ROLE_SUPER_ADMIN` or `ROLE_STAFF_ADMIN`
- Featured shops are randomized on each request
- Rating and review data is automatically included in shop responses (read-only — managed by separate review service)
- WABA = WhatsApp Business Account integration for the shop's AI-powered chatbot

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## Standard Response Format

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Operation completed successfully",
  "action_time": "2026-05-19T10:30:45",
  "data": { }
}
```

Error responses follow the same envelope with `"success": false` and `"data"` set to the error message string.

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## Endpoints

# 1. Create Shop

**Endpoint:** POST `api/v1/e-commerce/shops`

**Access Level:**  Protected

## Request Body:

Parameter	Type	Required	Description	Validation
shopName	string	Yes	Name of the shop	Min: 2, Max: 100 chars
shopDescription	string	Yes	Detailed description	Max: 1000 chars
phoneNumber	string	Yes	Contact phone	Pattern: <code>^\+?[0-9]{10,15}\$</code>
city	string	Yes	City	Min: 2, Max: 50 chars
region	string	Yes	Region/state	Min: 2, Max: 50 chars
logoUrl	string	No	Shop logo URL	Valid URL, max 1000 chars
bannerUrl	string	No	Shop banner URL	Valid URL, max 1000 chars
shopImages	array	No	Array of shop image URLs	Valid URLs, max 1000 chars each
email	string	No	Contact email	Valid email, max 100 chars
countryCode	string	No	Country code	Max: 3 chars, Default: <code>"TZ"</code>
streetAddress	string	No	Street address	Max: 255 chars
landmark	string	No	Landmark / location notes	Max: 300 chars
latitude	decimal	No	GPS latitude	Range: -90.0 to 90.0
longitude	decimal	No	GPS longitude	Range: -180.0 to 180.0

## Request JSON Sample:

```
{
  "shopName": "Mama Lucy's Restaurant",
  "shopDescription": "Authentic Tanzanian cuisine in the heart of Dar es Salaam",
  "phoneNumber": "+255123456789",
  "city": "Dar es Salaam",
```

```
"region": "Dar es Salaam",
"logoUrl": "https://example.com/logo.jpg",
"bannerUrl": "https://example.com/banner.jpg",
"shopImages": ["https://example.com/shop1.jpg"],
"email": "info@mamalucy.co.tz",
"countryCode": "TZ",
"streetAddress": "Msimbazi Street, Block 45",
"landmark": "Near the main bus stop",
"latitude": -6.7924,
"longitude": 39.2083
}
```

### Response JSON Sample:

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Shop created successfully",
  "action_time": "2026-05-19T10:30:45",
  "data": {
    "shopId": "123e4567-e89b-12d3-a456-426614174000",
    "shopName": "Mama Lucy's Restaurant",
    "shopSlug": "mama-lucys-restaurant",
    "shopDescription": "Authentic Tanzanian cuisine...",
    "logoUrl": "https://example.com/logo.jpg",
    "bannerUrl": "https://example.com/banner.jpg",
    "shopImages": ["https://example.com/shop1.jpg"],
    "ownerId": "456e7890-e89b-12d3-a456-426614174001",
    "ownerName": "Lucy Mwalimu",
    "status": "PENDING",
    "phoneNumber": "+255123456789",
    "email": "info@mamalucy.co.tz",
    "streetAddress": "Msimbazi Street, Block 45",
    "city": "Dar es Salaam",
    "region": "Dar es Salaam",
    "countryCode": "TZ",
    "latitude": -6.7924,
    "longitude": 39.2083,
    "landmark": "Near the main bus stop",
    "isVerified": false,
  }
}
```

```
"verificationBadge": null,
"trustScore": 0.00,
"isApproved": true,
"createdAt": "2026-05-19T10:30:45",
"updatedAt": "2026-05-19T10:30:45",
"approvedAt": null,
"averageRating": null,
"totalRatings": 0,
"totalActiveReviews": 0,
"reviews": []
}
}
```

### Error Responses:

- 400: Shop name already exists
- 401: Authentication required
- 422: Validation errors

## 2. Get All Shops

**Endpoint:** **GET** `api/v1/e-commerce/shops/all`

**Access Level:**  Public

Returns a list of all shops with summary info and top 5 reviews per shop.

## 3. Get All Shops (Paginated)

**Endpoint:** **GET** `api/v1/e-commerce/shops/all-paged`

**Access Level:**  Public

### Query Parameters:

Parameter	Type	Default	Description
page	integer	1	Page number (1-based)
size	integer	10	Items per page (max: 100)

## Response JSON Sample:

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Shops retrieved successfully",
  "action_time": "2026-05-19T10:30:45",
  "data": {
    "shops": [ { "...ShopSummary fields..." } ],
    "currentPage": 1,
    "pageSize": 10,
    "totalElements": 150,
    "totalPages": 15,
    "hasNext": true,
    "hasPrevious": false,
    "isFirst": true,
    "isLast": false
  }
}
```

# 4. Update Shop

**Endpoint:** **PUT** `api/v1/e-commerce/shops/{shopId}`

**Access Level:**  Protected (Shop Owner only)

### Path Parameters:

Parameter	Type	Description
shopId	UUID	ID of the shop

All request body fields are optional — only provided fields are updated:

Parameter	Type	Validation
shopName	string	Min: 2, Max: 100 chars
shopDescription	string	Max: 1000 chars
logoUrl	string	Valid URL
bannerUrl	string	Valid URL

Parameter	Type	Validation
shopImages	array	Valid URLs
phoneNumber	string	<code>^\+?[0-9]{10,15}\$</code>
email	string	Valid email
streetAddress	string	Max: 255 chars
city	string	Min: 2, Max: 50 chars
region	string	Min: 2, Max: 50 chars
countryCode	string	Max: 3 chars
latitude	decimal	-90.0 to 90.0
longitude	decimal	-180.0 to 180.0
landmark	string	Max: 300 chars

**Response:** Full `ShopResponse` (same shape as Create response)

**Error Responses:**

- `400`: Not the shop owner, or shop is deleted
- `401`: Authentication required
- `404`: Shop not found

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## 5. Get Shop by ID (Summary)

**Endpoint:** `GET` `api/v1/e-commerce/shops/{shopId}`

**Access Level:** `Public`

Returns `ShopSummaryListResponse` — public-facing fields including top 5 reviews and rating.

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## 6. Get Shop by ID (Detailed)

**Endpoint:** `GET` `api/v1/e-commerce/shops/{shopId}/detailed`

**Access Level:** `Protected (Shop Owner or Admin)`

Returns full `ShopResponse` including all reviews and management fields.

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# 7. Get My Shops

**Endpoint:** GET `api/v1/e-commerce/shops/my-shops`

**Access Level:**  Protected

Returns all shops owned by the authenticated user ( `ShopSummaryListResponse` list).

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# 8. Get My Shops (Paginated)

**Endpoint:** GET `api/v1/e-commerce/shops/my-shops-paged`

**Access Level:**  Protected

**Query Parameters:**

Parameter	Default	Description
page	1	Page number (1-based)
size	10	Items per page (max: 100)

---

# 9. Approve / Reject Shop

**Endpoint:** PATCH `api/v1/e-commerce/shops/{shopId}/approve-shop`

**Access Level:**  Protected ( `ROLE_SUPER_ADMIN` or `ROLE_STAFF_ADMIN` )

**Query Parameters:**

Parameter	Type	Required	Description
approve	boolean	Yes	<code>true</code> to approve, <code>false</code> to reject

**Response JSON Sample:**

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Shop approval status changed successfully",
```

```
"action_time": "2026-05-19T10:30:45",
"data": {
  "shopId": "123e4567-e89b-12d3-a456-426614174000",
  "shopName": "Mama Lucy's Restaurant",
  "isApproved": true,
  "approvedAt": "2026-05-19T10:30:45"
}
```

## 10. Get Featured Shops

**Endpoint:** `GET` `api/v1/e-commerce/shops/featured`

**Access Level:**  Public

Returns up to 20 randomly selected featured shops (`ShopSummaryListResponse` list).

## 11. Get Featured Shops (Paginated)

**Endpoint:** `GET` `api/v1/e-commerce/shops/featured-paged`

**Access Level:**  Public

**Query Parameters:**

Parameter	Default	Description
page	1	Page number
size	10	Items per page (max: 100)

## 12. Search Shops

**Endpoint:** `GET` `api/v1/e-commerce/shops/search`

**Access Level:**  Public

**Query Parameters:**

Parameter	Type	Required	Default	Description
q	string	No	—	Search query
page	integer	No	1	Page number
size	integer	No	10	Items per page

### Response JSON Sample:

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Shops retrieved successfully",
  "action_time": "2026-05-19T10:30:45",
  "data": {
    "content": [ { "...ShopSearchResponse fields..." } ],
    "totalElements": 8,
    "totalPages": 1,
    "currentPage": 1,
    "pageSize": 10,
    "hasNext": false,
    "hasPrevious": false
  }
}
```

## 13. Get Shop Summary Stats

**Endpoint:** `GET` `api/v1/e-commerce/shops/{shopId}/summary-stats`

**Access Level:**  Public

Returns aggregated review and rating statistics for a shop, including per-user activity.

### Response JSON Sample:

```
{
  "success": true,
  "httpStatus": "OK",
  "message": "Shop summary stats retrieved successfully",
  "data": {
    "shopId": "123e4567-e89b-12d3-a456-426614174000",
  }
}
```

```
"shopName": "Mama Lucy's Restaurant",
"averageRating": 4.5,
"totalRatings": 25,
"ratingDistribution": { "1": 1, "2": 2, "3": 5, "4": 7, "5": 10 },
"totalReviews": 15,
"activeReviews": 12,
"hiddenReviews": 2,
"flaggedReviews": 1,
"userActivities": [
  {
    "userId": "user-123",
    "userName": "John Doe",
    "feedbackId": "rev-123",
    "reviewText": "Amazing food and service!",
    "reviewStatus": "ACTIVE",
    "ratingValue": 5,
    "date": "2026-05-19T14:30:00",
    "hasReview": true,
    "hasRating": true
  }
]
}
```

## 14. WABA (WhatsApp Business) Integration

WABA allows shops to receive and respond to WhatsApp customer messages via an AI-powered chatbot. The flow is: shop registers a WABA → admin approves with Meta credentials → shop toggles AI on/off and monitors conversation history.

**Base path for all WABA endpoints:** `api/v1/e-commerce/shops/{shopId}/waba`

**Shared Path Parameter:**

Parameter	Type	Description
shopId	UUID	ID of the shop

# 14a. Register WABA

**Purpose:** Shop owner submits a WhatsApp number and display name to begin WABA registration.

**Endpoint:** **POST** `api/v1/e-commerce/shops/{shopId}/waba/register`

**Access Level:**  Protected (Shop Owner)

**Request Body:**

Parameter	Type	Required	Validation
phoneNumber	string	Yes	Max: 20 chars
displayName	string	Yes	Max: 100 chars

**Request JSON Sample:**

```
{
  "phoneNumber": "+255712345678",
  "displayName": "Mama Lucy's Restaurant"
}
```

# 14b. Approve WABA

**Purpose:** Admin approves a pending WABA registration by supplying Meta WABA credentials.

**Endpoint:** **PATCH** `api/v1/e-commerce/shops/{shopId}/waba/approve`

**Access Level:**  Protected ( `ROLE_SUPER_ADMIN` or `ROLE_STAFF_ADMIN` )

**Request Body:**

Parameter	Type	Required	Validation
wabald	string	Yes	Max: 64 chars (Meta WABA ID)
phoneNumberId	string	Yes	Max: 64 chars (Meta Phone Number ID)
phoneNumber	string	Yes	Max: 20 chars

# 14c. Resubmit WABA

**Purpose:** Shop owner resubmits a rejected or pending WABA with corrected info.

**Endpoint:** `PATCH` `api/v1/e-commerce/shops/{shopId}/waba/resubmit`

**Access Level:**  Protected (Shop Owner)

**Request Body:**

Parameter	Type	Validation
phoneNumber	string	Max: 20 chars
displayName	string	Max: 100 chars

## 14d. Admin Update WABA

**Purpose:** Admin updates Meta credentials on an existing WABA account.

**Endpoint:** `PATCH` `api/v1/e-commerce/shops/{shopId}/waba/admin-update`

**Access Level:**  Protected ( `ROLE_SUPER_ADMIN` or `ROLE_STAFF_ADMIN` )

Same request body as [Resubmit WABA](#).

## 14e. Update WABA Status

**Purpose:** Admin changes the status of a WABA account (e.g., suspend or reactivate).

**Endpoint:** `PATCH` `api/v1/e-commerce/shops/{shopId}/waba/status`

**Access Level:**  Protected ( `ROLE_SUPER_ADMIN` or `ROLE_STAFF_ADMIN` )

**Query Parameters:**

Parameter	Type	Required	Description
status	ShopWabaStatus	Yes	<code>PENDING</code> , <code>ACTIVE</code> , <code>SUSPENDED</code> , <code>REJECTED</code>

## 14f. Toggle AI Chatbot

**Purpose:** Shop owner enables or disables the AI chatbot for their WABA.

**Endpoint:** PATCH `api/v1/e-commerce/shops/{shopId}/waba/toggle-ai`

**Access Level:**  Protected (Shop Owner)

**Query Parameters:**

Parameter	Type	Required	Description
enabled	boolean	Yes	<code>true</code> to enable, <code>false</code> to disable

**Response JSON Sample:**

```
{
  "success": true,
  "message": "AI enabled successfully",
  "data": {
    "shopId": "...",
    "aiEnabled": true,
    "updatedAt": "2026-05-19T11:00:00"
  }
}
```

## 14g. Get WABA Conversations

**Purpose:** Retrieves paginated WhatsApp conversation sessions for the shop.

**Endpoint:** GET `api/v1/e-commerce/shops/{shopId}/waba/conversations`

**Access Level:**  Protected (Shop Owner or Admin)

**Query Parameters:**

Parameter	Default	Description
page	1	Page number
size	10	Items per page

**Response JSON Sample:**

```
{
  "success": true,
  "message": "Conversations retrieved",
}
```

```
"data": {
  "content": [ { "...WabaSessionResponse fields..." } ],
  "currentPage": 1,
  "pageSize": 10,
  "totalElements": 42,
  "totalPages": 5,
  "hasNext": true,
  "hasPrevious": false
}
```

## 14h. Get Session Messages

**Purpose:** Retrieves paginated messages within a specific conversation session.

**Endpoint:** `GET` `api/v1/e-commerce/shops/{shopId}/waba/conversations/{sessionId}/messages`

**Access Level:**  Protected (Shop Owner or Admin)

**Additional Path Parameter:**

Parameter	Type	Description
sessionId	UUID	ID of the conversation session

**Query Parameters:**

Parameter	Default	Description
page	1	Page number
size	20	Items per page

## 14i. Get Session Messages by Date Range

**Purpose:** Retrieves messages in a session filtered by date range.

**Endpoint:** `GET` `api/v1/e-commerce/shops/{shopId}/waba/conversations/{sessionId}/messages/by-date`

**Access Level:**  Protected (Shop Owner or Admin)

**Additional Path Parameter:**

Parameter	Type	Description
sessionId	UUID	ID of the conversation session

### Query Parameters:

Parameter	Type	Required	Description
from	LocalDateTime	Yes	Start datetime (ISO 8601)
to	LocalDateTime	Yes	End datetime (ISO 8601)
page	integer	No	Default: 1
size	integer	No	Default: 20

# Quick Reference

## Enums

**ShopStatus:** PENDING, ACTIVE, SUSPENDED, CLOSED, UNDER\_REVIEW

**ShopType:** PHYSICAL, ONLINE, HYBRID

**VerificationBadge:** BRONZE, SILVER, GOLD, PREMIUM

**ShopWabaStatus:** PENDING, ACTIVE, SUSPENDED, REJECTED

## Error Response Codes

Code	Meaning
400	Business logic violation or item already exists
401	Authentication required or token invalid/expired
403	Insufficient permissions
404	Resource not found
422	Field-level validation errors

### Validation Error (422):

```
{
  "success": false,
```

```
"httpStatus": "UNPROCESSABLE_ENTITY",
"message": "Validation failed",
"data": {
  "shopName": "Shop name must be between 2 and 100 characters",
  "phoneNumber": "Phone number must be between 10-15 digits and may start with +"
}
}
```

## Access Control Summary

Role	Capabilities
Public	Read shops, search, featured, summary stats
Authenticated user	All public + create shop, view own shops
Shop Owner	All authenticated + update own shop, WABA management, view conversations
<code>ROLE_SUPER_ADMIN</code> / <code>ROLE_STAFF_ADMIN</code>	All + approve/reject shops, approve/update/status WABA

## WABA Registration Flow

1. POST `/{shopId}/waba/register` – shop owner submits phone + display name
2. PATCH `/{shopId}/waba/approve` – admin supplies Meta wabaId + phoneNumberId
3. PATCH `/{shopId}/waba/toggle-ai` – shop owner enables AI chatbot
4. GET `/{shopId}/waba/conversations` – shop owner monitors customer chats

Revision #5

Created 23 September 2025 13:39:41 by Admin Qbit

Updated 19 May 2026 08:40:25 by Admin Qbit