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 "@(#)\$Format:LocalFoodAI\_lanfr144:Env\_Configuration.md:Francois  
 Lange:lanfr144@school.lu:2026/06/11 08:26:59:Francois  
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 08:26:59:1701828b122e0c319e59134ca6511a42ecad9297::\$"

# Local Food AI - Environment Variables Configuration Runbook

This runbook catalogs every configuration key in the `.env` file, explaining its functional purpose, dependency context, and providing fillable fields for custom deployment setups.

## 1. Network & System Mode Configuration

Parameter	Purpose & Description	Example Value	Your Custom Value
NETWORK_MODE	Controls external request checks. Set to <code>server</code> to enable telemetry alerts and database triggers, or <code>local</code> for offline development/standalone fallback.	<code>server</code>	_____
LLM_MODEL	The local Large Language Model loaded into Ollama. Default is <code>llama3.2:3b</code> for quantized local inference.	<code>llama3.2:3b</code>	_____

## 2. Database Credentials (MySQL)

These credentials configure standard user authentication permissions on the vertical partitions.

Parameter	Purpose & Description	Example Value	Your Custom Value
MYSQL_ROOT_PASSWORD	MySQL root administrative account access password.	<code>your_mysql_root_pass</code>	_____
DB_READER_PASS	Password for the low-privilege <code>food_reader</code> database account.	<code>your_db_reader_pass</code>	_____
DB_LOADER_PASS	Password for the <code>food_loader</code> account executing bulk CSV imports.	<code>your_db_loader_pass</code>	_____

DB_APP_AUTH_PASS	Password for the food_app_auth credential checker role.	your_db_auth_pass	
MYSQL_ZABBIX_PASSWORD	Password for the Zabbix DB user connection profile.	your_mysql_zabbix_pass	

### 3. Zabbix & SNMPv3 Configuration

Configures the monitoring server APIs and SNMPv3 security parameters.

Parameter	Purpose & Description	Example Value	Your Custom Value
ZABBIX_URL	Endpoint URL for Zabbix API script queries.	http:// your_zabbix_host:8081	
ZABBIX_USER	Admin dashboard username for API provisioning.	your_zabbix_user	
ZABBIX_PASS	Zabbix admin dashboard password.	your_zabbix_pass	
ZABBIX_SNMP_USER	Secure SNMPv3 routing user identifier.	your_snmp_user	
ZABBIX_SNMP_AUTHKEY	SNMPv3 SHA authentication key (minimum 8 characters).	your_snmp_authkey	
ZABBIX_SNMP_PRIVKEY	SNMPv3 AES encryption key (minimum 8 characters).	your_snmp_privkey	
DISCORD_WEBHOOK	External webhook URL for automated alerts.	https://discord.com/api/ webhooks/your_webhook_id	

### 4. Alert Mail Gateways & PM Integration

Parameter	Purpose & Description	Example Value	Your Custom Value
EMAIL_USER	SMTP server username for password recovery alerts.	your_email_user@example.com	

EMAIL_PASS	SMTP server authentication password.	your_email_password	_____
TAIGA_URL	Endpoint path for the Taiga Agile Kanban board server.	http://your_taiga_host/taiga	_____
TAIGA_USER	API authentication account username.	your_taiga_user	_____
TAIGA_PASS	Password for the API sync user.	your_taiga_pass	_____

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## 5. VM Server Remote Deployments

Credentials required to manage SSH keys and remote container processes from the client.

Parameter	Purpose & Description	Example Value	Your Custom Value
SERVER_HOST	Remote server IP address (Server A hypervisor).	your_server_ip	_____
SERVER_USER	SSH login username for command line deployments.	your_ssh_user	_____
SERVER_PASS	SSH login password for VM operations.	your_ssh_pass	_____