

NipService WebAPI version 1.0.0

Service for NIP/VAT validation (PL and EU)

Table of contents

1. [Overview](#)
 2. [Requirements](#)
 3. [Installation](#)
 4. [Usage](#)
 5. [Versions](#)
-

1. Overview

NipService is a WebAPI for NIP/VAT validation:

- Polish NIP (MF "White List")
 - EU VAT (VIES REST API)
 - Healthcheck `/api/Health` and version endpoint `/api/Version`
 - Logging with NLog
-

2. Requirements

2.1. Hardware

- CPU 2–4 cores
- 2 GB RAM
- 500 MB disk space

2.2. Software

- ASP.NET Core Runtime 10.0
- Optional web server:
 - Windows: IIS or Apache
 - Linux: Nginx (recommended) or Apache
- Docker/Podman (optional)

2.3. Network

- Internet access to:
 - White List MF: <https://wl-api.mf.gov.pl>
 - VIES: https://ec.europa.eu/taxation_customs/vies/rest-api

Connectivity check: Windows (PowerShell):

```
Test-NetConnection w1-api.mf.gov.pl -Port 443
Test-NetConnection ec.europa.eu -Port 443
```

Linux:

```
curl -f -s -o /dev/null -w "%{http_code}\n" https://w1-api.mf.gov.pl
curl -f -s -o /dev/null -w "%{http_code}\n" https://ec.europa.eu
```

3. Installation

3.1. NipService downloads

Production package: <https://unitsoftware.com.pl/nipService/NipService.WebAPI.zip>

Latest documentation:

- Polish: https://unitsoftware.com.pl/nipService/NipService_Instrukcja.pdf
- English: https://unitsoftware.com.pl/nipService/NipService_Manual.pdf

3.2. Linux (reverse proxy)

Recommended web servers:

- Nginx: <https://learn.microsoft.com/aspnet/core/host-and-deploy/linux-nginx>
- Apache: <https://learn.microsoft.com/aspnet/core/host-and-deploy/linux-apache>

Install ASP.NET Core Runtime 10.0: <https://learn.microsoft.com/en-us/dotnet/core/install/linux>

Unpack [NipService.WebAPI.zip](#) to the web server root.

3.3. Docker/Compose

Requirements:

- Docker Engine 20.10+
- Docker Compose (optional)

Steps:

1. Download the image or source.
2. Create `logs` and `data-protection-keys` directories.
3. Run the container:

```
docker run -d -p 5000:8080 \
  -v ./logs:/app/logs \
  -v ./data-protection-keys:/app/data-protection-keys \
  --name nipservice-api nipservice-webapi:latest
```

Or with Docker Compose (example file): <https://unitsoftware.com.pl/nipService/docker-compose.yml>

```
docker-compose up -d
docker-compose ps
docker-compose logs -f nipService-api
docker-compose down
```

Verify:

```
curl http://localhost:5001/api/Health
```

Detailed container deployment guide: [https://unitsoftware.com.pl/mipService/NipService Installation Guide.pdf](https://unitsoftware.com.pl/mipService/NipService%20Installation%20Guide.pdf)

3.4. Proxy configuration

Edit `appsettings.json` and set the proxy section:

```
"Validation": {
  "Proxy": {
    "Enabled": false,
    "Address": "http://proxy.example.com",
    "Port": 8080,
    "Username": null,
    "Password": null,
    "BypassOnLocal": true,
    "BypassList": []
  }
},
```

4. Usage

4.1. NIP (PL) validation – MF White List

Endpoint: `GET /api/NipCheck/{nip}`

Description: Basic NIP validation (10 digits).

Response: `ValidationStatusWithNameResponse`

```
{
  "isNipActive": true,
  "fastVerLast": "2025-01-01T12:00:00Z",
  "response": "OK",
  "name": "Company Ltd.",
  "statusVat": "Active",
  "requestDate": "2025-01-01T12:00:00Z",
```

```
"address": "Example 1, 00-000 Warsaw"
}
```

Endpoint: `GET /api/NipCheck/{nip}/{date}`

Description: Validation for a specific date (format: `YYYY-MM-DD`).

Response: `ValidationStatusWithNameResponse` (as above).

4.2. EU VAT (VIES) validation

Endpoint: `GET /api/ViesNipCheck/{nip}/{country}`

Description: Basic VAT validation for the given country code (e.g., `PL`, `DE`).

Response: `ValidationStatusResponse`

```
{
  "isNipActive": true,
  "fastVerLast": "2025-01-01T12:00:00Z",
  "response": "OK",
  "requestDate": "2025-01-01T12:00:00Z"
}
```

Endpoint: `GET /api/ViesNipCheck/{nip}/{country}/{reqNip}/{reqCountry}`

Description: Validation with requester data.

Response: `ValidationStatusResponse` (as above).

Endpoint (extended): `GET /api/ViesNipCheck/extended/{nip}/{country}/{reqNip}/{reqCountry}`

Description: Extended validation – includes company name and VAT status.

Response: `ValidationStatusWithNameResponse`

```
{
  "isNipActive": true,
  "fastVerLast": "2025-01-01T12:00:00Z",
  "response": "OK",
  "name": "Company Ltd.",
  "statusVat": "Active",
  "requestDate": "2025-01-01T12:00:00Z",
  "address": "Example 1, 00-000 Warsaw"
}
```

4.3. Healthcheck

Endpoint: `GET /api/Health`

Description: Application and external services health.

Codes: `200 OK` (healthy) / `503 Service Unavailable` (degraded/unhealthy).

4.4. Version

Endpoint: `GET /api/Version`

Response: `VersionResponse`

```
{ "versionId": "1.0.0", "buildDate": "2025-01-01T12:00:00Z" }
```

5. Versions

Version history

Version 1.0.0 (current)

Feature list:

- NIP (PL) validation – MF White List:
 - GET /api/NipCheck/{nip}
 - GET /api/NipCheck/{nip}/{date}
- EU VAT (VIES) validation:
 - GET /api/ViesNipCheck/{nip}/{country}
 - GET /api/ViesNipCheck/{nip}/{country}/{reqNip}/{reqCountry}
 - GET /api/ViesNipCheck/extended/{nip}/{country}/{reqNip}/{reqCountry}
- Application and external services healthcheck:
 - GET /api/Health
- Version info:
 - GET /api/Version
- Swagger UI available at /swagger (if enabled).

Last documentation update: 2025-01-29

Documentation version: 1.0

App version compatibility: 1.0.0+