

# Digital Signature Api Documentation

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# 1 Introduction

## API Resources

- Resource: /api/passwordsign

Resource destination: This resource allows to sign in data using sent \*.pfx file with private key.

- Resource: /api/varify

Resource destination: This resource allows to verify signed data using signature and certificate with public key (\*.cer).

# 2 Signing data

Example usage:

POST /api/passwordsign

Accepted request formats:

- application/x-www-form-urlencoded
- application/json

Request body:

- data - contains base64 string with data to sign
- cert - certificate file in base64 string
- password - password to open the certificate

Response formats: JSON Example JSON Response structure:

"B2cA[ ... ]IwRg2"

Error handling:

Error message format:

- String "Error message" response.

### 3 Verifying data

Example usage:

POST /api/verify

Accepted request formats:

- application/x-www-form-urlencoded
- application/json

Request body:

- data - contains base64 string with data to verify
- signature - signature of data (produced by /api/passwordsign)
- password - password to open the certificate

Response: string specifying if verification succeeded.

Response formats: JSON Example JSON Response structure:

true

Examples of full requests and responses are placed in Appendix.

## 4 Appendix

### **Example sign request :**

Request format:

- application/x-www-form-urlencoded

You can find the example in the attached sign-x-www-form-urlencoded.txt file.

- application/json

You can find the example in the attached sign-json.txt file.

### **Example verify request :**

Request format:

- application/x-www-form-urlencoded

You can find the example in the attached verify-x-www-form-urlencoded.txt file.

- application/json

You can find the example in the attached verify-json.txt file.

Example request response:

true