

REST API

VERSION 02/01/2025

Changes

Date	Commentaire
11/09/2024	Initial version
21/10/2024	Adding Archive module
02/01/2025	Adding Digital Vault module

Summary

01/ Introduction

- Glossary
- Environments
- Informations
- Recommendations

02/ Modules

- Authentication
- Account
- Teleprocedure
- Web-Declaration
- Bank Statement
- Archive
- Digital Vault

03/ Test with Swagger UI

- How to get an Access Token ?
- How to refresh a token ?
- How to submit a VAT file ?
- How to check a deposit until declarations are accepted ?

04/ Test with Postman

05/ SOAP / REST matching

Contacts

For commercial information : contact@asp-one.fr

For technical information : dev-aspone@tessi.fr

For user support : hotmel@asp-one.fr



1/

INTRODUCTION

Glossary

- **Teleprocedure** : Normalized way to process EDI files
- **Interchange** : File containing declaration(s)
- **PED** : EDI partner immatriculed by Tax Administration
- **ADS** : Acknowledgment of deposit
- **ACS** : Acknowledgment of interchange processing by the portal
- **ARS** : Acknowledgment of declaration processing by the final recipient
- **AIS** : Information notice returned by the final recipient
- **DGFIP** : French Tax Administration
- **DLD** : Deposit deadline / **DLS** : Substitution deadline
- **OGA** : Approved management body
- **GPA** : Asset Manager
- **TDT** : Third party declarant
- **CEC** : Public accountant
- **OPS** : Social protection agency
- **MSA** : Agricultural social mutuality
- **SAE** : Electronic Archiving System

Environments

❑ RECETTE (= TEST / SANDBOX) :

Swagger UI	https://recette-aspone.tessitechno.fr/api/rest/swagger/index.html
Account	https://recette-aspone.tessitechno.fr/api/rest/swagger/account.json https://recette-aspone.tessitechno.fr/api/rest/swagger/account.yaml
Archive	https://recette-aspone.tessitechno.fr/api/rest/swagger/archive.json https://recette-aspone.tessitechno.fr/api/rest/swagger/archive.yaml
Authentication	https://recette-aspone.tessitechno.fr/api/rest/swagger/authentication.json https://recette-aspone.tessitechno.fr/api/rest/swagger/authentication.yaml
Bank Statement	https://recette-aspone.tessitechno.fr/api/rest/swagger/bank_statement.json https://recette-aspone.tessitechno.fr/api/rest/swagger/bank_statement.yaml
Digital Vault	https://recette-aspone.tessitechno.fr/api/rest/swagger/digital_vault.json https://recette-aspone.tessitechno.fr/api/rest/swagger/digital_vault.yaml
Teleprocedure	https://recette-aspone.tessitechno.fr/api/rest/swagger/teleprocedure.json https://recette-aspone.tessitechno.fr/api/rest/swagger/teleprocedure.yaml
Web-declaration	https://recette-aspone.tessitechno.fr/api/rest/swagger/webdeclaration.json https://recette-aspone.tessitechno.fr/api/rest/swagger/webdeclaration.yaml

Environments

❑ RECETTE (= TEST / SANDBOX) :

⚠ Certain recipients doesn't return report for TESTS.

Teleprocedure	Recipient	Reports available in RECETTE	Reports Format	Average Reporting Time
TVA	DGFIP	YES	EDI	45mins to 2h
	OGA / CEC	NO		-
TDFC	DGFIP	YES	EDI	45mins to 2h
	OGA / CEC / TDT / ENT / TPE / Banks	NO		-
PAIEMENT	DGFIP	YES	EDI	45mins to 2h
	OGA / CEC	NO		-
REQUETE	DGFIP	YES	EDI	45mins to 2h
IR	DGFIP	YES	EDI	45mins to 2h
	GPA	NO		-
PART	DGFIP	YES	EDI	24h to 72h <i>Testing period is annual from November 21 to December 21</i>
DADSU	CI-BTP	YES	HTML	10mins to 1h
DPAE (ex DUE)	URSSAF	YES	XML HTML TEXT PDF	15mins to 1h
	MSA	YES	TEXT PDF	15mins to 1h
DSN	NET-ENTREPRISES	YES	XML HTML	10 to 30mins
	OPS	NO	XML HTML PDF	-

Environments

❑ PRODUCTION :

Swagger UI	https://www.aspone.fr/api/rest/swagger/index.html
Account	https://www.aspone.fr/api/rest/swagger/account.json https://www.aspone.fr/api/rest/swagger/account.yaml
Archive	https://www.aspone.fr/api/rest/swagger/archive.json https://www.aspone.fr/api/rest/swagger/archive.yaml
Authentication	https://www.aspone.fr/api/rest/swagger/authentication.json https://www.aspone.fr/api/rest/swagger/authentication.yaml
Bank Statement	https://www.aspone.fr/api/rest/swagger/bank_statement.json https://www.aspone.fr/api/rest/swagger/bank_statement.yaml
Digital Vault	https://www.aspone.fr/api/rest/swagger/digital_vault.json https://www.aspone.fr/api/rest/swagger/digital_vault.yaml
Teleprocedure	https://www.aspone.fr/api/rest/swagger/teleprocedure.json https://www.aspone.fr/api/rest/swagger/teleprocedure.yaml
Web-declaration	https://www.aspone.fr/api/rest/swagger/webdeclaration.json https://www.aspone.fr/api/rest/swagger/webdeclaration.yaml

Informations

✓ Resource ID

All resources are identified by a UUID (Universally Unique Identifier)

Example : `4e9403da-d68f-45ed-8636-94e5eab7555c`

✓ Date formats

3 date formats are used :

▶ **Date with time precision** : YYYY-MM-DDThh:mm:ssTZD

Europe/Paris local time with indication of the offset from UTC (ISO 8601)

Example : `2024-09-16T09:36:12+02:00`

▶ **Date with day precision** : YYYY-MM-DD

Example : `2024-09-16`

▶ **Date with month precision** : YYYY-MM

Example : `2024-09`

Informations

✓ Login header param

A « Login » header parameter is available for most methods.
It's an **optional parameter** that allows **access to a resource as another account**.

⚠ **Access Token must be associated to an account that has the rights on this account.**

Example 1 : I'm an admin and want to access a resource as a primary or secondary account.

Example 2 : I'm a primary account and I want to access a resource as one of my secondary account.



Administrators

Only autonomous white label / portal has its dedicated administrator



An administrator can manage primary and secondary accounts registered on its portal



Primary accounts



A primary account can manage its secondary accounts



Secondary accounts

Recommendations

✓ Updating resource

When **updating a resource** is permitted with a **PUT** method, we expect the **full representation of the resource**.

⚠ **Fields not provided will be overwritten with null or default value**
(except for 'password' on accounts that must be provided only to change it)

So, to update a resource, we advice to first GET the full representation, modify attributes you want to change and then PUT the resource back to the server.

✓ Searching resource

Search requests are **POST** because it is more convenient to handle **complex criteria (like list)** in forms.

Search responses are paginated for performance reason :

```
{
  "total": 110,
  "count": 50,
  "limit": 50,
  "start": 30,
  "links": {
    "next": "https://recette-aspone.tessitechno.fr/api/rest/v1/teleprocedure/declarations/sent/search?limit=50&start=80&sortDirection=DESC&sortField=DEPOSIT_DATE",
    "prev": "https://recette-aspone.tessitechno.fr/api/rest/v1/teleprocedure/declarations/sent/search?limit=50&start=0&sortDirection=DESC&sortField=DEPOSIT_DATE",
    "self": "https://recette-aspone.tessitechno.fr/api/rest/v1/teleprocedure/declarations/sent/search?limit=50&start=30&sortDirection=DESC&sortField=DEPOSIT_DATE"
  },
  ...
}
```

Recommendations

✓ Versioning

A versioning system is provided since each API route is prefixed with a version number (“v1” for now).

⚠ **We intend to increment this version number only if compatibility is broken for a given method.**

⚠ **We recommend that you develop your client side application in such a way that **adding new requests, adding new optional parameters in existing requests and new attributes in existing responses** does not prevent it from functioning.**

✓ Rate limiting

We intend to set up a rate limiting mechanism in order to prevent flooding.

⚠ **Please do not flood our server with an excessive number of requests.**

For your information, deposit processing times are :

- By the portal : few minutes
- By the final recipient : few hours

⚠ **So it is counter productive, to check every minute the state of a declaration !**

2.1 / AUTHENTICATION

Authentication

① First thing you have to do is to get an Access Token

✓ POST tokens/access

Use **Basic Authorization** with an admin or a client account credentials

Username = [PORTAL\]LOGIN

PORTAL is optional in username, it must be provided for non autonomous one.

❑ Request

Authorization HTTP header looks like :

Basic Base64(username:password)

Example for username=*usrdemo* and password=*123456* : *Basic dXNyZGVtbzoxMjM0NTY=*

❑ Response

Response contains an **Access Token valid for 1 hour** and a **Refresh Token valid for 7 days**.



Authentication



✓ POST tokens/refresh

You can get another **Access Token** using the **Refresh Token**.

⚠ **A Refresh Token can be used only once.**

❑ Request

Authorization HTTP header looks like :

```
021b50a5ccb78e4eb99020fc45b1220519926c33b140d07cffe2661642a43f2
```

❑ Response

Response contains a new **Access Token** and a new **Refresh Token**.

① Use Access Token (prefixed with « Bearer ») in authorization header for all other API methods.

2.2/ ACCOUNT

Account

✓ ADMINS

You can update / search / read admin accounts.

⚠ Only our super-admin can create admin account.

✓ CLIENTS

You can create / update / search / read client accounts (primary or secondary).

⚠ Only an admin can create primary account.

✓ ALERTS

You can create / update / read configuration of email notifications on teleprocedure.

2.3/ TELEPROCEDURE

Teleprocedure

✓ DEPOSITS

POST `/v1/teleprocedure/deposits` File deposit  

You can submit interchange(s) containing declaration(s) on a teleprocedure.

📘 Accepted formats : EDI, XML or ZIP

⚠️ Max 10 Mo and 100 files in ZIP

In the response, you get a **depositId**.

GET `/v1/teleprocedure/deposits/{depositId}` Get deposit by ID  

When the deposit is processed, you get a list of **interchangelds** :

```
{
  "depositId": "7b50d448-8530-4023-bdbb-8c104da8adff",
  "depositDate": "2024-09-05T11:24:31+02:00",
  "subject": "Test Dépôt",
  "type": " ZIP",
  "method": "API_REST",
  "tradOnly": false,
  "adsDate": " 56379 ",
  "adsNumber": "2024-09-05T11:24:33+02:00",
  "depositor": { ... },
  "interchangelds": [
    "855cd818-ed20-4be7-9890-6b067f89caed",
    "50361544-721c-5618-849f-02cfc81df15f"
  ]
}
```

⚠️ Then you must check the state of each interchange.

Teleprocedure

✓ INTERCHANGES

GET

/v1/teleprocedure/interchanges/{interchangeId} Get interchange by ID



When an interchange is processed, you get a list of **declarationIds** and **states** among other metadata :

```
{
  "interchangeId": "855cd818-ed20-4be7-9890-6b067f89caed",
  "teleprocedure": "TVA",
  "test": true,
  "version": "TDT-PED-IN-TV2401",
  "software": { ... },
  "deposit": { ... },
  "declarationIds": [
    "f97ae01a-a393-489a-9fbe-0220b8524014",
    "0948693e-6d96-47b6-99b6-41ef7d3bf097",
    "de8534bf-e5fa-4f88-9d54-d45baf9e286b"
  ],
  "states": [
    {
      "date": "2023-12-14T15:27:35+01:00",
      "name": "TRANSLATED_OK",
      "label": "Contrôle syntaxique de l'interchange",
      "issuer": "PORTAL",
      "type": "SUCCESS",
      "final": false,
      "details": null
    },
    ...
  ]
}
```

⚠ Then you must check the state of each declaration.

① States are displayed in chronological descendant order (so current state is the first).

Teleprocedure

✓ INTERCHANGES

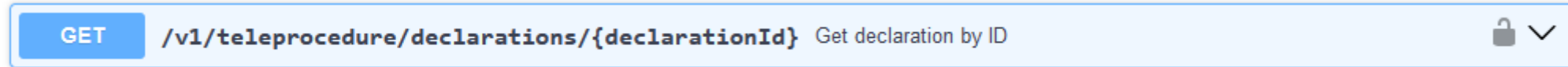
If interchange is invalid, you get details on error state :

```
"states": [  
  {  
    "date": "2023-07-31T15:46:16+02:00",  
    "name": "TRANSLATED_KO",  
    "label": "Echec du contrôle syntaxique de l'interchange",  
    "issuer": "PORTAL",  
    "type": "ERROR",  
    "final": true,  
    "details": [  
      {  
        "date": "2023-07-31T15:46:16+02:00",  
        "label": "Erreur générale sur l'interchange",  
        "type": "ERROR",  
        "detail": "Fichier EDI non valide : la version TDT-PED-IN-TD2201 n'est pas autorisée en TEST pour la téléprocédure TDFC"  
      }  
    ]  
  },  
  {  
    "date": "2023-07-31T15:46:15+02:00",  
    "name": "TRANSLATION_PENDING",  
    "label": "Soumission de l'interchange pour traitements EDI",  
    "issuer": "PORTAL",  
    "type": "SUCCESS",  
    "final": false,  
    "details": null  
  },  
  ...  
]
```

⚠ Then you must correct it and resubmit the interchange.

Teleprocedure

✓ DECLARATIONS



When a declaration is processed, you get a list of **states** among other metadata :

```
{
  "declarationId": "6f3c8b11-7174-4ac3-8092-d6d1c7e2c602",
  ...
  "states": [
    {
      "date": "2023-04-11T14:59:45+02:00",
      "name": "SENT",
      "label": "Routage de la déclaration vers le destinataire",
      "issuer": "PORTAL",
      "type": "SUCCESS",
      "final": false,
      "details": null
    },
    {
      "date": "2023-04-11T14:59:44+02:00",
      "name": "TRANSLATED_OK",
      "label": "Contrôles syntaxique et sémantique de la déclaration",
      "issuer": "PORTAL",
      "type": "SUCCESS",
      "final": false,
      "details": null
    }
  ],
  ...
}
```

① States are displayed in chronological descendant order
(so current state is the first)

⚠ As long as the current state is not final, you must try again later.

Teleprocedure

✓ DECLARATIONS

When a declaration is accepted by the final recipient, you get a **FINAL SUCCESS** state :

```
"states": [  
  {  
    "date": "2024-09-04T10:36:50+02:00",  
    "name": "ACCEPTED_BY_RECIPIENT",  
    "label": "Compte-rendu du destinataire positif",  
    "issuer": "RECIPIENT",  
    "type": "SUCCESS",  
    "final": true,  
    "details": [  
      {  
        "date": "2024-09-04T10:36:50+02:00",  
        "label": "Liasse fiscale acceptée",  
        "type": "SUCCESS",  
        "detail": null  
      }  
    ]  
  },  
  ...  
]
```

① This is the end of processing, you have nothing else to do.

Teleprocedure

✓ DECLARATIONS

When a declaration is rejected by the portal or the final recipient, you get a **FINAL ERROR** state :

```
"states": [  
  {  
    "date": "2024-09-04T12:06:00+01:00",  
    "name": "REJECTED_BY_RECIPIENT",  
    "label": "Compte-rendu du destinataire négatif",  
    "issuer": "RECIPIENT",  
    "type": "ERROR",  
    "final": true,  
    "details": [  
      {  
        "date": "2024-09-04T12:06:00+01:00",  
        "label": "Information retournée par le destinataire",  
        "type": "INFORMATION",  
        "detail": "La Référence d'Obligation Fiscale (ROF) connue du destinataire pour ce dossier est : TVA2"  
      },  
      {  
        "date": "2024-09-04T12:06:00+01:00",  
        "label": "Déclaration TVA et téléversements rejetés",  
        "type": "ERROR",  
        "detail": "Obligation fiscale TVA non trouvée pour la référence de l'obligation fiscale déclarée. Code erreur : 175."  
      }  
    ]  
  },  
  ...  
]
```

⚠ Then you must correct it and resubmit the declaration.

Teleprocedure

✓ DECLARATIONS

POST

/v1/teleprocedure/declarations/received/search Search received declarations



POST

/v1/teleprocedure/declarations/sent/search Search sent declarations



You can search sent or received declarations by criteria.

For example, if you are an OGA, you can search received declarations, then list associated EDI file and download it :

GET

/v1/teleprocedure/declarations/{declarationId}/files List declaration files



GET

/v1/files/{fileId}/contents File download



Teleprocedure

✓ DECLARATIONS

GET

/v1/teleprocedure/declarations/{declarationId}/certificate

Download PDF certificate



For accepted Tax Administration (DGFIP) declarations, you can download a PDF certificate :

aspone.fr

by tessi

Certificat télédéclaratif : Déclaration TVA

Informations relatives à la déclaration

Déposant :	COMPTE ASP1ENT (asp1ent)
Date de réception :	20/03/2024 à 10:44:48
Objet du dépôt :	Test API 20/03
Numéro ADS :	142865
Identifiant client :	INFENT000000003563-0-0
Identifiant portail :	INFENT2024032010445146718C9
N° groupement portail :	92100074901102
Type :	Déclaration TVA

Teleprocedure

✓ REPORTS

If you want to parse yourself EDI reports generated :

- by the portal = ACS attachment
- by the final recipient (ARS / AIS attachment)

You can download them :

GET

/v1/teleprocedure/interchanges/{interchangeId}/reports List interchange reports



GET

/v1/teleprocedure/declarations/{declarationId}/reports List declaration reports



Or search them by criteria :

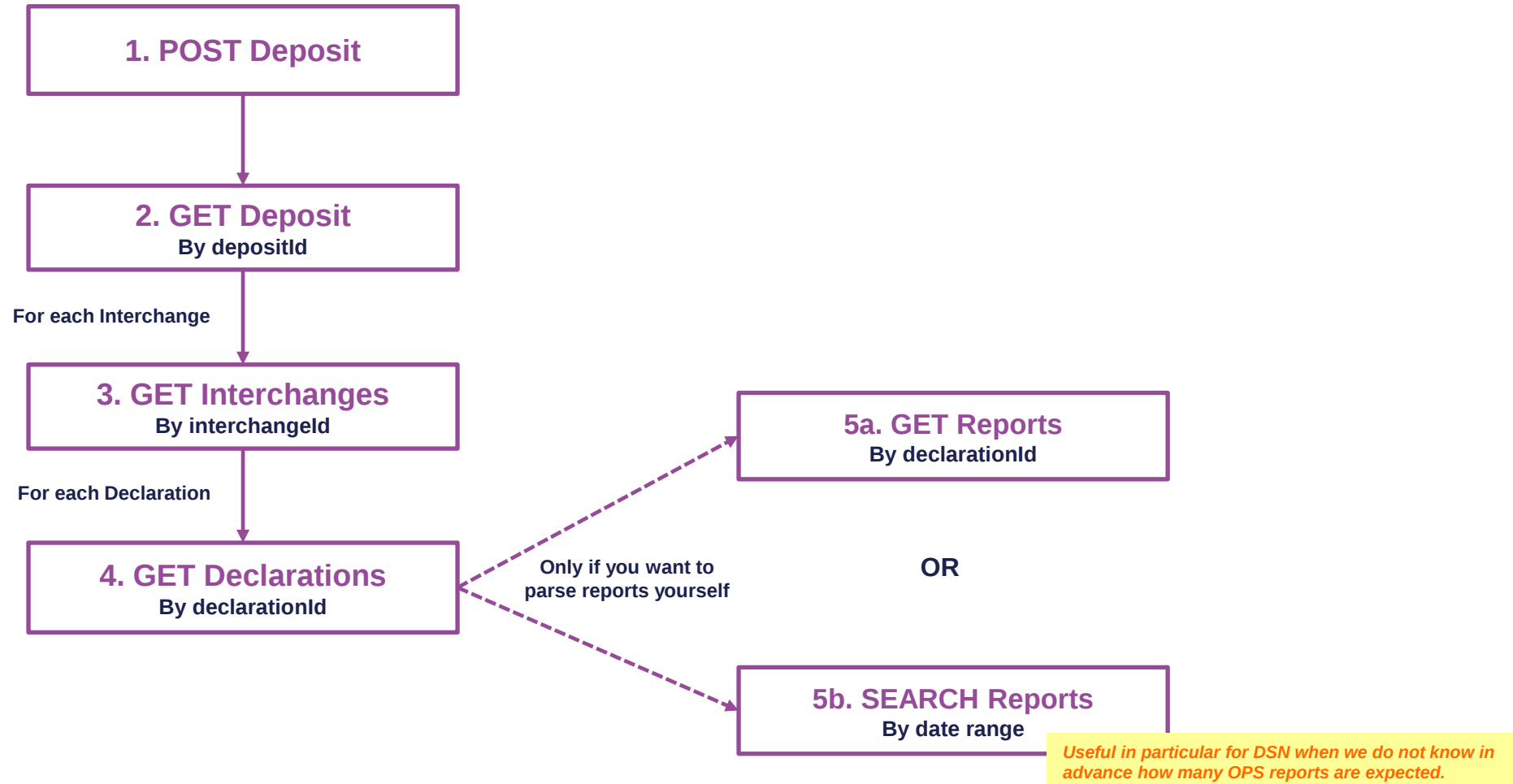
POST

/v1/teleprocedure/reports/search Search report



Teleprocedure

✓ In summary : monitoring a deposit



2.4/ WEB-DECLARATION

Web-Declaration

✓ DECLARATIONS

Please contact us to get our XML-EDI format specifications : contact@asp-one.fr

POST **/v1/web/declarations** Inject data in webdeclarations forms  

You can import data in online webdeclaration forms.

① **Accepted formats : XML or ZIP file containing XML and possibly one other file (accounting balance CSV)**

⚠ **Max 1 Mo and 2 files in ZIP**

GET **/v1/web/declarations/{webdeclarationId}** Get webdeclaration by ID  

When the webdeclaration is manually submitted by the user, a **depositId** is provided :

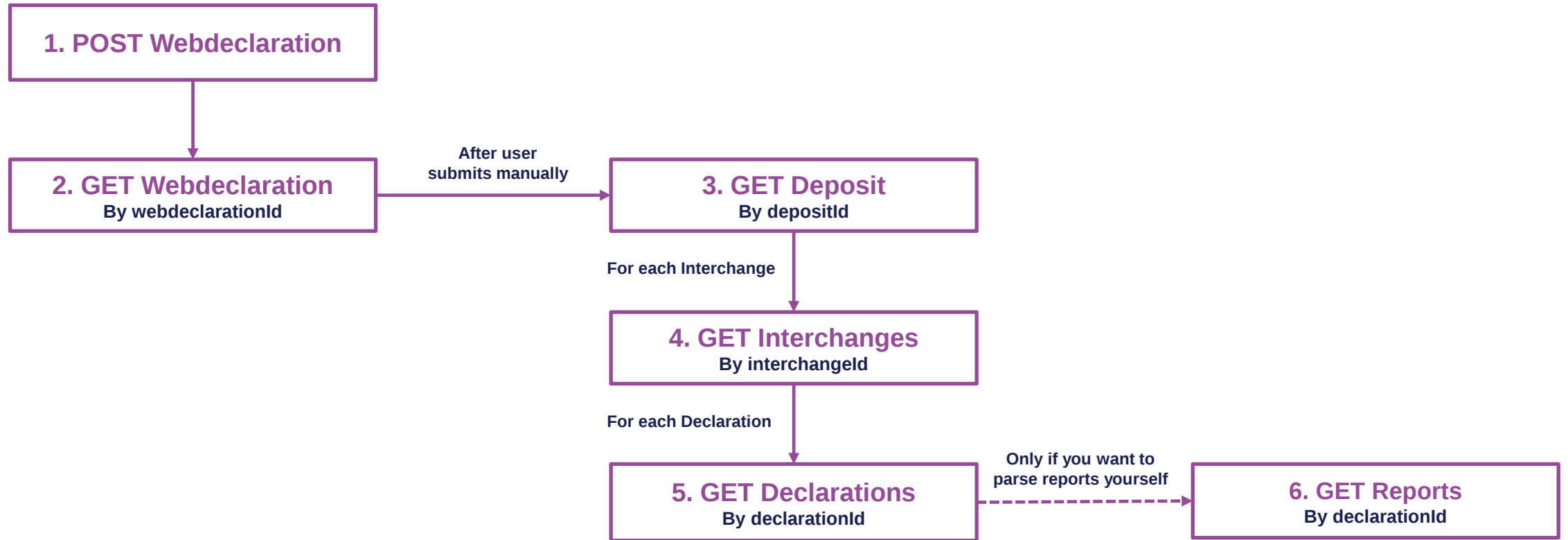
```
{
  "webdeclarationId": "64076752-6d18-5fac-926b-14147939c059",
  "teleprocedure": "WEB_TDFC",
  "declarationType": "IDF",
  ...
  "state": "SUBMITTED",
  "creationMode": "IMPORT",
  "creationDate": "2023-11-07T17:44:00+01:00",
  "updateDate": "2023-11-07T17:45:20+01:00",
  "submittedDate": "2023-11-07T17:45:20+01:00",
  ...
  "depositId": "1f14637d-cffe-48f4-a937-9f7c117144e9"
}
```

⚠ **Until the user completes web forms online, the state remains PENDING and depositId is null.**

① **When webdeclaration is submitted, it becomes a traditional deposit**
See [teleprocedure section](#) to know how to proceed.

Web-Declaration

✓ In summary : monitoring a webdeclaration



2.5/ BANK STATEMENT

Bank Statement

For now, only bank statement reception is provided on our REST API.

⚠ Bank accounts configuration can only be parameterized on the website.

You can search received bank statements by criteria :

POST

`/v1/bank/statements/search` Search received bank statements

And then download CFONB120 file :

GET

`/v1/files/{fileId}/contents` File download

⚠ As deleted transactions cannot be pushed in CFONB120 file, you can get them in JSON or CSV format :

GET

`/v1/bank/statements/{statementId}/transactions/deleted` Get deleted transactions

GET

`/v1/bank/statements/{statementId}/transactions/deleted/csv` Download deleted transactions

2.6/ ARCHIVE

Archive

You can access **legal archiving** in our **electronic archiving system** (SAE) to view :

- **10 years** archives for **declarations**, **DSN param** and **BPIJ sheets** ;
- **5 years** archives for **bank statements**.

✓ SEARCH

You can search archives by criteria :

POST `/v1/archive/declarations/search` Archived declarations search  

Then you can download a ZIP file containing all elements related to an archive :

GET `/v1/archive/declarations/{archiveId}/contents` Download ZIP archive  

Archive

✓ DOCUMENTS

You can list all documents related to an archive and download them individually :

GET

`/v1/archive/declarations/{archiveId}/documents` List archived declaration documents



GET

`/v1/archive/declarations/{archiveId}/documents/{documentId}/contents` Get archived declaration document content



✓ EVENTS

You can list all events related to an archive :

GET

`/v1/archive/declarations/{archiveId}/events` List archived declaration events



⚠ A client can view only **BUSINESS** events.

⚠ An admin can view both **BUSINESS** and **SYSTEM*** events.

** Document creation / read / update / delete events in SAE.*

2.7 / DIGITAL VAULT

Digital Vault

You can **store** and **share documents** in a **secured digital vault**.

✓ CONTRACTS

First thing to do is to identify which contract corresponds to your needs depending on the quantity (number and size) of documents you wish to store.

GET

/v1/vault/contracts List contracts



GET

/v1/vault/contracts/{contractId} Get contract by ID



```
{
  "contractId": "42019615-eadb-573c-9593-c2fbab9d9366",
  "accountType": "COMPANY",
  "accountProfile": "PREMIUM",
  "label": "CFN Premium",
  "quotaFiles": 1000,
  "quotaSize": "1 GB",
  "price": 169.0,
  "quantityMax": 10,
  "enabled": true,
  "delegation": true,
  "subaccountWithMailbox": true,
  "subaccountWithoutMailbox": false,
  "default": false
}
```

-> total number of files accepted

-> total size accepted

-> maximum occurrences of this contract you can subscribe to

-> boolean indicating if sharing is possible

For example, if I subscribe to this contract for a quantity of 2, I can store up to 2000 files / 2 GB

Digital Vault

✓ SUBSCRIPTIONS

Then you can **subscribe** to digital vault by indicating the **chosen contract / quantity**.

POST	/v1/vault/subscriptions	Create subscription	🔒 ✓
POST	/v1/vault/subscriptions/search	Search subscriptions	🔒 ✓
GET	/v1/vault/subscriptions/{subscriptionId}	Get subscription by ID	🔒 ✓
PUT	/v1/vault/subscriptions/{subscriptionId}	Update subscription	🔒 ✓

```
{
  "subscriptionId": "63071138-374d-58e8-8069-5ddca51ca723",
  "contractId": "7033b501-87e6-510d-8999-07f8d83b904c",
  "contractQuantity": 1,
  "enabled": true,
  "terms": true,
  "activationDate": "2024-12-31T10:27:19+01:00",
  "deactivationDate": null,
  "quota": {
    "usedSize": "122 KB",
    "usedFiles": 8,
    "maxSize": "10 MB",
    "maxFiles": 10
  },
}
```

Digital Vault

✓ DOCUMENTS

⚠ As document is a folder or a file.

Then you can **drop / download files** :

POST	/v1/vault/documents/files	File deposit	🔒	✓
GET	/v1/vault/documents/files/{fileId}/contents	Download file content	🔒	✓

And **create folders** in order to organize your **files** :

POST	/v1/vault/documents/folders	Create folder	🔒	✓
GET	/v1/vault/documents/folders/{folderId}/documents	List folder documents	🔒	✓

You can also **read / update / delete a document** :

GET	/v1/vault/documents/{documentId}	Get document by ID	🔒	✓
PUT	/v1/vault/documents/{documentId}	Update document	🔒	✓
DELETE	/v1/vault/documents/{documentId}	Delete document	🔒	✓

Digital Vault

We also provide a **search** request in order to find your **documents** by criteria :

POST `/v1/vault/documents/search` Search documents  

```
{
  "depositStartDate" : "2025-01-01T00:00:00+01:00", -> lower limit of deposit date
  "depositEndDate" : "2025-02-01T23:59:59+01:00", -> upper limit of deposit date
  "type" : "FILE", -> document type FILE or FOLDER
  "nbDaysExpiration": 90, -> range of days before expiration / deletion
  "keywords": "societe test", -> keywords or part of name
  "owner": "userdemo" -> login of the owner
}
```

You can **list events** and **shares** related to a **document** :

GET `/v1/vault/documents/{documentId}/events` List document events  

GET `/v1/vault/documents/{documentId}/shares` List document shares  

Digital Vault

✓ EVENTS

⚠ All document actions are logged and can be retrieved as events.

We provide a **search** request in order to **find events** by criteria :

POST `/v1/vault/events/search` Search events 🔒 ✓

⚠ For performance reasons, we strongly recommend listing events related to a document using the dedicated route :

GET `/v1/vault/documents/{documentId}/events` List document events 🔒 ✓

Digital Vault

✓ SHARES

You can **share** a **file** with a third party = DOWNLOAD

You can **ask** a third party to **drop** a **file** in a **folder** = UPLOAD

POST

/v1/vault/shares Create share



⚠ In both cases, the third party receives an email with a secure link valid for 72 hours.

Digital Vault

DOWNLOAD SHARE example :

POST creation request :

```
{
  "shareId": null,
  "documentId": "5f7a9f4f-c78c-4c0a-aab2-d2a574c5b1df", -> id of the file you want to share
  "type": "DOWNLOAD",
  "creationDate": null,
  "expirationDate": null,
  "recipient": "third.party@test.fr", -> email of the recipient
  "message": null,
  "lastUsedDate": null,
  "nbUses": null,
  "active": null,
  "url": null,
  "issuer": null
}
```

Third party recipient receives this signed email with a secure link to download the file :

Coffre-Fort Numérique - Fichier mis à disposition par EXPERT COMPTABLE TEST

Bonjour,

Monsieur Martin DUPOND de la société EXPERT COMPTABLE TEST a mis à votre disposition le document NOUVEAU_CONTRAT.PDF

Vous pouvez le télécharger sur le portail ASPONE via le lien sécurisé suivant (valide seulement durant les 72 prochaines heures) :

<https://www.aspone.fr/espaceprive/temp/cfn/download.do?uuid=016bd0c7-4dc6-483c-a8dc-093a96483d95&token=b5ddd47f52c8422e145f2aae344276f5a7c163a9a9f68c94d805e2bf3f2ad5e2>

Cordialement,

Digital Vault

UPLOAD SHARE example :

POST creation request :

```
{
  "shareId": null,
  "documentId": "016bd0c7-4dc6-483c-a8dc-093a96483d95", -> id of the target folder
  "type": "UPLOAD",
  "creationDate": null,
  "expirationDate": null,
  "recipient": "thomas.brun@tessi.fr", -> email of the recipient
  "message": "Merci de nous fournir les factures dont nous avons parlé au téléphone ce matin.", -> message to the recipient
  "lastUsedDate": null,
  "nbUses": null,
  "active": null,
  "url": null,
  "issuer": null
}
```

Third party recipient receives this signed email with a secure link to upload one or more (up to 10) files :

Coffre-Fort Numérique - Demande de fichier par EXPERT COMPTABLE TEST

Bonjour,

Monsieur Martin DUPOND de la société EXPERT COMPTABLE TEST vous invite à déposer un document dans son Coffre-Fort Numérique :

Merci de nous fournir les factures dont nous avons parlé au téléphone ce matin.

Veuillez trouver ci-dessous un lien sécurisé vous permettant d'accéder à la page de dépôt sur le portail ASPONE (valide seulement durant les 72 prochaines heures) :

<https://www.aspone.fr/espaceprive/temp/cfn/upload.do?uuid=016bd0c7-4dc6-483c-a8dc-093a96483d95&token=b5ddd47f52c8422e145f2aae344276f5a7c163a9a9f68c94d805e2bf3f2ad5e2>

Cordialement,

03/

TEST WITH SWAGGER UI

Swagger UI

Swagger UI allows development team to visualize and interact with the API's resources without having any of the implementation logic in place.



In our TEST environment you can access Swagger UI on this URL :

<https://recette-aspone.tessitechno.fr/api/rest/swagger/index.html>

AUTHENTICATION

8.2.0.0 OAS 2.0

[Base URL: recette-aspone.tessitechno.fr/api/rest]
[/api/rest/swagger/authentication.json](#)

Schemes

HTTPS ▼

Authorize 

TOKENS



POST

[/v1/authentication/tokens/access](#) Create new access token from user credentials

 ▼

POST

[/v1/authentication/tokens/refresh](#) Create new access token from refresh token

 ▼

Swagger UI / Access Token 1/2

✓ How to get an Access Token ?

Click on the padlock, type your username / password, click on « Authorize » and then on « Try it out » and « Execute » :

The screenshot displays the Swagger UI interface for the endpoint `POST /v1/authentication/tokens/access`. The description states: "Create new access token from user credentials using Basic Authentication. PORTAL is optionnal in username, it must be provided for non autonomous one." A "Try it out" button is visible. Below the description, the "Parameters" section indicates "No parameters". The "Responses" section shows a 200 status code with the description "A pair of access / refresh tokens" and an example JSON response:

```
{
  "token": "string",
  "refreshToken": "string",
  "tokenExpirationDate": "2024-09-05T14:48:04.057Z",
  "refreshTokenExpirationDate": "2024-09-05T14:48:04.057Z"
}
```

An "Available authorizations" dialog is open, showing "Basic authorization" with the following details:

- Username = [PORTAL\]LOGIN
- PORTAL is optionnal in username, it must be provided for non autonomous one.
- Username:
- Password:
- Buttons: **Authorize** and **Close**

A blue arrow points from the padlock icon in the top right corner of the endpoint card to the "Available authorizations" dialog.

Swagger UI / Access Token 2/2

In response, you get an **Access Token** and a **Refresh Token** and their expiration dates :

Server response

Code	Details
200	Response body <pre>{ "token": "eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJQTlJUQUlMX0FTUE90RSIsImp0aSI6IjhlZTZjMDE0LWZlZmQtNGJkOS1iZTI1LWQxZjYyNTE1M2I3YSIsIm1hdCI6MTcyNTU0OTA5OCwiZXhwIjojNzI1NTUyNjk4LCJuYmYiOjE3MjU1NDkwNjgsIm1kVXN1ciI6NTQ0LCJsb2dpbiI6ImJydW5vbCIsInJvbnUiOiJDT01QVEVfUFJJTUFJUKUUILCJtYXJxdWVCbGFuY2h1IjojQVNQT05FIiwiaWF0IjoxNzA5ODc0eS5kaWZlc3R5dW5kbGljaXQiOiJjbGVhbnVudD01OTUwMDAwMCJ9", "refreshToken": "3a2a023a2702f9d82a64cd9a1d7b4be8d770bf05433aadf81fd1755ace202d4e", "tokenExpirationDate": "2024-09-05T18:11:38+02:00", "refreshTokenExpirationDate": "2024-09-12T17:11:39+02:00" }</pre>  Download

Swagger UI / Refresh Token 1/2

✓ How to refresh a token ?

Click on the padlock, enter the refresh token, click on « Authorize » and then on « Try it out » and « Execute » :

The image shows the Swagger UI interface for a REST API. The main panel displays the endpoint `POST /v1/authentication/tokens/refresh` with the description "Create new access token from refresh token". Below the description, there is a "Parameters" section indicating "No parameters". At the bottom of the main panel, there are two buttons: "Execute" (blue) and "Clear" (light green). A modal window titled "Available authorizations" is open, showing a "Key Authorization (apiKey)" configuration. The modal contains the text "Enter the refresh token" and an example token. Below this, it shows "Name: Authorization", "In: header", and "Value:" followed by a text input field containing the token `7dbebd82ee3553a26b14d18f`. At the bottom of the modal, there are "Authorize" (green) and "Close" (grey) buttons. An arrow points from the padlock icon in the top right corner of the main panel to the "Available authorizations" modal window.

Swagger UI / Refresh Token 2/2

In response, you get a new **Access Token** and a new **Refresh Token** :

Server response	
Code	Details
200	Response body <pre>{ "token": "eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJBU1BPTkUiLCJqdGkiOiIyNTEyZGE3Yi1mMDhjLTQ4MDAtYWY0Zi02MDE0OGF1MGYzMzQiLCJpYXQiOiJE3MjU2MTY0MjAsImV4cCI6MTcyNTYyMDAyMCwibmJmIjoxNzI1NjE2MzkwLCJpZGVzZXIiOiJ0NCwibG9naW4iOiJicnVub2wiLCJyb2x1IjoieQ09NUFRFX1BSSU1BSVJFIi0.kjcEirEU8ERthNhWla-0P08GN6gkPJrCP05J1SATgtw", "refreshToken": "6a61b7ac83ed9046d9fe1003300cc28d1cec022f855d58b514c3606030922b16", "tokenExpirationDate": "2024-09-06T12:53:40+02:00", "refreshTokenExpirationDate": "2024-09-13T11:53:40+02:00" }</pre>  Download

⚠ For security reason, a Refresh Token can be used only once.

Swagger UI / Submit VAT file 1/2

✓ How to submit a VAT file ?

Click on the padlock, paste your Access Token (prefixed with « Bearer »), click on « Authorize ».
Click on « Try it out », fill required parameters and then click on « Execute ».

POST /v1/teleprocedure/deposits File deposit

File deposit : interchange EDI / XML or ZIP

Parameters

Name	Description
login string (header)	Account login for which you want to access the resource login
subject string (formData)	VAT Deposit Test
teleprocedure * required string (formData)	TVA
tradOnly * required boolean (formData)	false
filename * required string (formData)	TVA_3310CA3.edi
content * required file (formData)	Parcourir... TVA_3310CA3.edi

Execute

Clear

Available authorizations

Bearer Authorization (apiKey)

Enter the token with the 'Bearer' prefix
Example : Bearer T04a35ae65784371c7f4cf137a6e3cd43540456365f61228eb30dce16aeb2ae6

Name: Authorization

In: header

Value:

Authorize

Close

Swagger UI / Submit VAT file 2/2

In response, you get a **depositId** :

Server response	
Code	Details
202	Response body 45487303-e0e2-45cd-9649-b3d25c51ab3e  Download

⚠ At this stage, deposit hasn't been processed by the server, it will be processed asynchronously for performance reason.

Swagger UI / Check declaration state 1/7

✓ How to check a deposit until declarations are accepted ?

First of all, you must get deposit detail with depositId provided previously :

GET

/v1/teleprocedure/deposits/{depositId} Get deposit by ID

🔒 ^

Get details of a deposit by its ID

Parameters

Cancel

Name	Description
login string (header)	Account login for which you want to access the resource login
depositId * required string (path)	45487303-e0e2-45cd-9649-b3d25c51ab3e

Execute

Clear

Swagger UI / Check declaration state 2/7

In response, you get metadata of the deposit and a **list of interchangeIds** :

Server response

Code	Details
200	Response body <pre>{ "depositId": "45487303-e0e2-45cd-9649-b3d25c51ab3e", "depositDate": "2024-09-06T11:09:02+02:00", "subject": "VAT Deposit Test", "type": "EDI", "method": "API_REST", "tradOnly": false, "adsDate": "2024-09-06T11:09:02+02:00", "adsNumber": "56457", "depositor": { "clientAccountId": "50361544-721c-5618-849f-02cfc81df15f", "portal": "ASPONE", "login": "brunol", "label": "COMPTE TEST DEV", "type": "THIRD_PARTY_DECLARANT", "role": "PRIMARY_ACCOUNT", "test": true }, "interchangeIds": ["8b6ea052-c766-464a-b0de-89fe8ddec7cb"] }</pre>  Download

⚠ Then you must check the state of each interchange.

Swagger UI / Check declaration state 3/7

Then, you must check the state of each **interchange** :

GET

/v1/teleprocedure/interchanges/{interchangeId}

Get interchange by ID



Get details of an interchange by its ID

Parameters

Cancel

Name	Description
login string (header)	Account login for which you want to access the resource login
interchangeld * required string (path)	8b6ea052-c766-464a-b0de-89fe8ddec7cb

Execute

Clear

Swagger UI / Check declaration state 4/7

In response, you get metadata of the interchange, **states history** and a **list of declarationIds** :

Server response

Code

Details

200

Response body

```
},
"declarationIds": [
  "641dcd33-55fb-469b-84ec-424bd876e25a",
  "195ca95d-21ca-433c-b258-e6f10baf913f"
],
"states": [
  {
    "date": "2024-09-06T11:09:09+02:00",
    "name": "TRANSLATED_OK",
    "label": "Contrôle syntaxique de l'interchange",
    "issuer": "PORTAL",
    "type": "SUCCESS",
    "final": false,
    "details": null
  },
  {
    "date": "2024-09-06T11:09:05+02:00",
    "name": "TRANSLATION_PENDING",
    "label": "Soumission de l'interchange pour traitements EDI",
    "issuer": "PORTAL",
    "type": "SUCCESS",
    "final": false,
    "details": null
  },
  {
    "date": "2024-09-06T11:09:02+02:00",
    "name": "DEPOSED",
    "label": "Dépôt de l'interchange sur le portail",
    "issuer": "DEPOSITOR"
  }
]
```

① States are displayed in descending chronological order (so current state is the first).

☹️ If interchange is KO, you get a **FINAL ERROR** state with details. You must correct it and resubmit interchange.

⚠️ If interchange is OK, you have to check the state of each declaration.

Download

Swagger UI / Check declaration state 5/7

Then, you must check the state of each **declaration** :

GET

/v1/teleprocedure/declarations/{declarationId}

Get declaration by ID



Get details of a declaration by its ID

Parameters

Cancel

Name	Description
login string (header)	Account login for which you want to access the resource login
declarationId * required string (path)	641dcd33-55fb-469b-84ec-424bd876e25a

Execute

Clear

Swagger UI / Check declaration state 6/7

In response, you get metadata of the declaration and **states history** :

Server response

Code	Details
200	Response body <pre>"label": "Déclaration TVA", }, "periodStartDate": "2024-01-01", "periodEndDate": "2024-01-31", "referenceClient": "INFENT000000003563-0-0", "referencePortal": "INFENT20240906110908AD95B11", "referenceCommon": null, "waitForCR": true, "states": [{ "date": "2024-09-06T11:11:56+02:00", "name": "SENT", "label": "Routage de la déclaration vers le destinataire", "issuer": "PORTAL", "type": "SUCCESS", "final": false, "details": null }, { "date": "2024-09-06T11:09:09+02:00", "name": "TRANSLATED_OK", "label": "Contrôles syntaxique et sémantique de la déclaration", "issuer": "PORTAL", "type": "SUCCESS", "final": false, "details": null }],</pre> ① States are displayed in descending chronological order (so current state is the first). ⚠ If current state is not FINAL, you must try again later. ☹ If declaration is KO, you get a FINAL ERROR state with details. You must correct and resubmit declaration. 😊 If declaration is OK, you get a FINAL SUCCESS state. Download

Swagger UI / Check declaration state 7/7

Be careful for VAT or other declaration containing payment, declaration can be accepted by final recipient and payment can be rejected (or vice versa). So you must check payments state :

Server response

Code	Details
200	Response body <pre>}], "paymentList": { "total": 1, "amount": 262688, "payments": [{ "index": 1, "amount": 262688, "currency": "EUR", "iban": { "iban": "FR76111112222333333333391", "bic": "CEPBFPPXXX" }, "reference": "TVA1-022024-3310CA3", "type": "ORDER", "state": { "date": "2024-09-06T11:11:56+02:00", "name": "SENT", "label": "Routage de la déclaration vers le destinataire", "issuer": "PORTAL", "type": "SUCCESS", "final": false } }] } }</pre> ⚠ If current state is not FINAL, you must try again later. ☹ If payment is KO, you get a FINAL ERROR state with details. You must correct and resubmit declaration. ☺ If payment is OK, you get a FINAL SUCCESS state.

To resubmit a declaration containing payment, you must take into account DLS / DLD concept : https://www.aspone.fr/files/formalites_administratives/fiscales/schema_dls_vdef2.pdf

04/

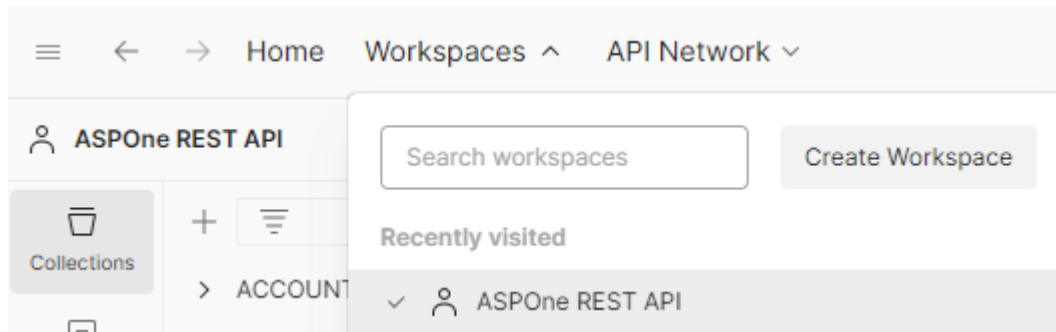
TEST WITH POSTMAN

Postman

Postman is an API platform for building and using APIs :
<https://www.postman.com>

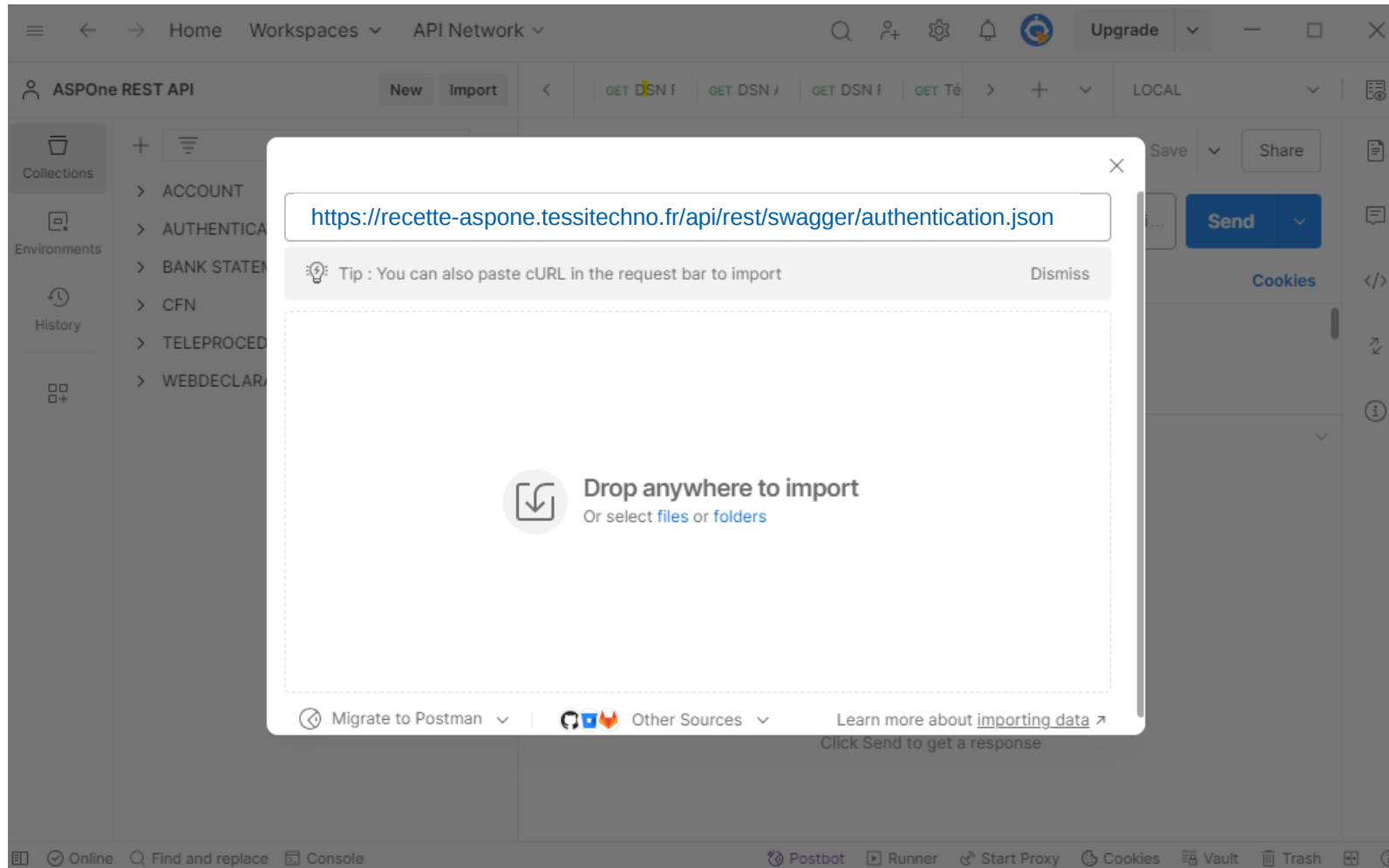


You can create a new workspace dedicated to ASPOne REST API :



Postman

Then you can import JSON or YAML files generated by Swagger to auto-configure Postman :



Postman

Authorization header is configured correctly by default in AUTHENTICATION module.

⚠ But in all other modules, you must change the « Auth type » to « Bearer Token » :

GET

{{baseUrl}}/v1/teleprocedure/deposits/:depositId

Send

Params

Authorization

Headers (10)

Body

Scripts

Settings

Cookies

Auth Type

Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about [Bearer Token](#) authorization.

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about [variables](#).

Token

{{bearerToken}}

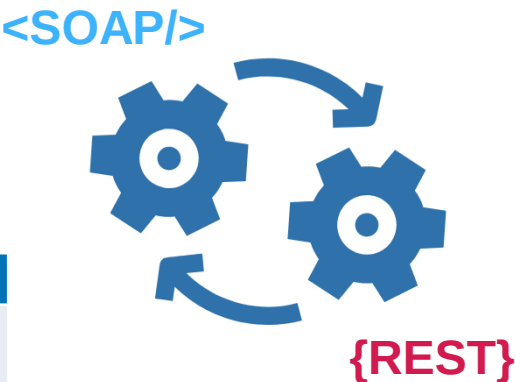
05/

SOAP / REST MATCHING

SOAP / REST matching

To make the migration easier, we indicate below the matching between SOAP actions and REST resources.

	SOAP Action	REST Resource
WS Registering	registerPrimaryAccount	POST /v1/account/clients
	registerSecondaryAccount	
	modifyPrimaryAccount	PUT /v1/account/clients/{clientAccountId}
	modifySecondaryAccount	
	getAccountState	GET /v1/account/clients/{clientAccountId} -> "state" attribute
	modifyAccountState	PUT /v1/account/clients/{clientAccountId}/state
WS Alert	getConfigurationAlert	<i>Alert global configuration :</i> GET /v1/account/clients/{clientAccountId} -> "options" -> "alert" object
		<i>Alert configuration for a given teleprocedure :</i> GET /v1/account/clients/{clientAccountId}/alerts/{teleprocedure}
	modifyConfigurationAlert	<i>Alert global configuration :</i> PUT /v1/account/clients/{clientAccountId} -> "options" -> "alert" object
		<i>Alert configuration for a given teleprocedure :</i> POST /v1/account/clients/{clientAccountId}/alerts/{teleprocedure} DELETE /v1/account/clients/{clientAccountId}/alerts/{teleprocedure}
WS Bank Statement	statementSearch	POST /v1/bank/statements/search
	getStatement	GET /v1/bank/statements/{statementId}
		GET /v1/files/{fileId}/contents
	getTransactionsDeleted	<i>In JSON format :</i> GET /v1/bank/statements/{statementId}/transactions/deleted <i>In CSV format :</i> GET /v1/bank/statements/{statementId}/transactions/deleted/csv



SOAP / REST matching

<SOAP/>



	SOAP Action	REST Resource
WS Deposit	addDocument	POST /v1/teleprocedure/deposits with parameter tradOnly=false
	translateDocument	POST /v1/teleprocedure/deposits with parameter tradOnly=true
	addWebdeclaration	POST /v1/web/declarations
WS Monitoring	interchangeSearch	POST /v1/teleprocedure/interchanges/search
	declarationSearch	POST /v1/teleprocedure/declarations/sent/search
	receptionSearch	POST /v1/teleprocedure/declarations/received/search
	getDeclarationDetails	GET /v1/teleprocedure/declarations/{declarationId}
	getInterchangeByDepositId	GET /v1/teleprocedure/deposits/{depositId}
		GET /v1/teleprocedure/interchanges/{interchangeId}
	getEdiFiles	GET /v1/teleprocedure/interchanges/{interchangeId}/files with format=EDI
		GET /v1/teleprocedure/declarations/{declarationId}/files with format=EDI
	getXmlFiles	GET /v1/teleprocedure/interchanges/{interchangeId}/files with format=XML
		GET /v1/teleprocedure/declarations/{declarationId}/files with format=XML
	recipientReportSearch	POST /v1/teleprocedure/reports/search
	getRecipientReportById	GET /v1/teleprocedure/reports/{reportId}
		GET /v1/files/{fileId}/contents
	getRecipientReports	GET /v1/teleprocedure/declarations/{declarationId}/reports
		GET /v1/files/{fileId}/contents
	getDeclarativeCertificate	GET /v1/teleprocedure/declarations/{declarationId}/certificate
	getFicheParametrageDSNFiles	GET /v1/teleprocedure/dsn/param/sheets/search
		GET /v1/files/{fileId}/contents
	getFicheBpijDSNFiles	GET /v1/teleprocedure/dsn/bpij/sheets/search
		GET /v1/files/{fileId}/contents
	getInterchangeBydWebdeclarationId	GET /v1/web/declarations/{webdeclarationId}
		GET /v1/teleprocedure/deposits/{depositId}
		GET /v1/teleprocedure/interchanges/{interchangeId}
	findAuthorizedAccountsForMonitoring	POST /v1/account/clients/search
	getResponseOgaDocumentById	EDI-OGA teleprocedure was deleted in August 2022

tessi

