



API MMP **VISION 360**

INFOPRO DIGITAL
INFOPRO DIGITAL AUTOMOTIVE
DSI-WEB

Historique du document

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Kevin Duc	1.0	22/03/2022	Version initiale de la documentation technique

Validation

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1. Introduction

2. Contexte

3. Description

L'API propose à travers plusieurs web-services la possibilité de récupérer des informations spécifiques relatives à un véhicule directement depuis les différentes sources de données du périmètre MP :

- Les données brutes d'un client
- Les données
- Les données client rattaché à un véhicule
- L'historiques des opérations d'un véhicule
- Les prévisions calculées
- Les plans d'entretien
- La liste des factures qualifiées
- L'historique des relances
- L'ensemble des données précédemment citées

Cette documentation présente le fonctionnement des différents WS.

4. Authentification

Description :

L'utilisation de l'API est réalisée par authentification (OAuth2). Afin d'identifier le client de l'API et ainsi pouvoir interroger les différents web-services il sera nécessaire de récupérer un jeton unique qui sera utilisé à chaque requête.

Endpoint :

```
https://{url_apl_mmp}/api/{version}/service-authentication/token
```

Method HTTP :

```
POST
```

Authentification :

```
OAuth 2.0 with Bearer
```

Request JSON Payload :

```
{
  "grant_type" : "password",
  "client_id" : "2",
  "client_secret" : "*****",
  "username" : "my-personnal-account@domainmail.com",
  "password" : "*****"
}
```

Success JSON Payload :

```
{
  "token_type": "Bearer",
  "expires_in": 7200,
  "access_token": "*****",
  "refresh_token": "*****"
}
```

Error JSON Payload :

```
{  
  "error": "error tag",  
  "error_description": "Error Description",  
  "message": "Error Message"  
}
```

Le jeton se trouve dans la propriété :

access_token

La durée de vie d'un Jeton est de :

7200 secondes

5. Données clients 1

Description :

Ce WS permet de récupérer les informations brutes* d'un client, à partir d'une immatriculation donnée.

**informations non traitées récupérées directement depuis les fichiers importés par les adhérents du réseau*

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/vehicule/import-client?lang=en
```

Method HTTP :

POST

Authentification :

OAuth 2.0 with Bearer

Request JSON Payload :

```
{  
  "immatriculation" : "ABC123"  
}
```

Success JSON Payload :

```
{  
  "data": [  
    {  
      "vehicleLastVisitDate": "2010-05-11",  
      "clientCivility": "Mr",  
      "clientPhone": "06*****",  
      "clientPhoneProfessionnal": "06*****",  
      "clientMobilePhone": "06*****",  
      "clientZIPCode": "75001",  
      "clientName": "DUPONT PHILIPPE",  
      "clientCity": "PARIS",  
      "clientAddress1": "18 CHEMIN DES TULIPES",  
      "clientAddress2": "",  
      "clientAddress3": "",  
      "clientEmail": "p.dupont@mail.com",  
      "optinChannels": "telephone mobile | telephone professionnel | email",  
    }  
  ]  
}
```

```
        "vehicleVIN": null,  
        "vehicleLastVisitMileage": 52032,  
        "vehicleLastTechnicalControlDate": null,  
        "vehicleNextTechnicalControlDate": null,  
        "vehicleLastAntipollutionControlDate": null,  
        "vehicleNextAntipollutionControlDate": null  
    },  
    ],  
    "success": true,  
    "message": "OK",  
    "errors": []  
}
```

Error JSON Payload :

```
{  
    "success": false,  
    "data": [],  
    "message": "error message",  
    "errors": { /*list of errors*/ }  
}
```

6. Données clients 2

Description :

Ce WS permet de récupérer les informations d'un client, à partir d'une immatriculation donnée.

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/vehicule/client?lang=en
```

Method HTTP :

```
POST
```

Authentification :

```
OAuth 2.0 with Bearer
```

Request JSON Payload :

```
{  
  "immatriculation" : "ABC123"  
}
```

Success JSON Payload :

```
{  
  "data": [  
    {  
      "clientId": 2042,  
      "clientCivility": null,  
      "clientName": "PHILLIPE",  
      "clientFirstName": "DUPONT",  
      "clientSocialReason": null,  
      "clientEmail": "p.dupont@mail.com",  
      "clientPhone": "06*****",  
      "clientMobilePhone": "06*****",  
      "clientAddress1": "22 AVENUE DU GENERAL LECLERC",  
      "clientAddress2": "",  
      "clientAddress3": "",  
      "clientZIPCode": "75001",  
      "clientCity": "PARIS",  
      "clientProcessingDate": "2022-03-21",  
      "clientChannels": "sms,courrier,email",  
      "vehicleInformations": {
```



```
        "vehicleMilageMonthlyEstimated": 1040,  
        "vehicleReleaseDate": "2016-03-14",  
        "vehicleVariante": "VSSZZZ5FZGR118760",  
        "vehicleLastVisitDate": "2021-12-07",  
        "vehicleLastVisitMileage": 78007,  
        "vehicleCurrentMilageEstimated": 3120,  
        "vehicleLastTechnicalControlDate": null,  
        "vehicleNextTechnicalControlDate": null  
    }  
},  
    ],  
    "success": true,  
    "message": "OK",  
    "errors": []  
}
```

Error JSON Payload :

```
{  
    "success": false,  
    "data": [],  
    "message": "error message",  
    "errors": { /*list of errors*/ }  
}
```

7. Opérations

Description :

Ce WS permet de récupérer l'historiques des opérations effectuées sur un véhicule, à partir d'une immatriculation donnée.

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/vehicule/historiques?lang=en
```

Method HTTP :

```
POST
```

Authentication :

```
OAuth 2.0 with Bearer
```

Request JSON Payload :

```
{  
  "immatriculation" : "ABC123"  
}
```

Success JSON Payload :

```
{  
  "data": [  
    {  
      "privateJobId": null,  
      "privateJobTypeId": 1,  
      "privateJobLabel": null,  
      "privateJobTypeLabel": "Entretien - CT",  
      "jobDate": "2012-03-15",  
      "mileage": "10676",  
      "memberId": null,  
      "memberPoSCode": null,  
      "memberTradeName": null  
    },  
    {  
      "privateJobId": null,  
      "privateJobTypeId": 5,  
      "privateJobLabel": null,  
      "privateJobTypeLabel": "Filtre à carburant",  
    }  
  ]  
}
```

```
        "jobDate": "2013-04-20",  
        "mileage": "12657",  
        "memberId": null,  
        "memberPoSCode": null,  
        "memberTradeName": null  
    }, /* ...etc */  
],  
"success": true,  
"message": "OK",  
"errors": []  
}
```

Error JSON Payload :

```
{  
    "success": false,  
    "data": [],  
    "message": "error message",  
    "errors": { /*list of errors*/ }  
}
```

8. Prévisions

Description :

Ce WS permet de récupérer les prévisions calculées d'un véhicule, à partir d'une immatriculation donnée.

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/vehicule/previsions?lang=en
```

Method HTTP :

```
POST
```

Authentication :

```
OAuth 2.0 with Bearer
```

Request JSON Payload :

```
{  
  "immatriculation" : "ABC123"  
}
```

Success JSON Payload :

```
{  
  "data": [  
    {  
      "privateJobId": 2,  
      "privateJobLabel": "Bougies",  
      "lastJobDate": "2016-02-23",  
      "milageBasedEstimatedDate": "2032-08-01",  
      "periodicBasedEstimatedDate": null,  
      "checkBasedEstimatedDate": null,  
      "forecastInformations": null  
    },  
    {  
      "privateJobId": 3,  
      "privateJobLabel": "Distribution",  
      "lastJobDate": "2019-03-12",  
      "milageBasedEstimatedDate": "2057-07-19",  
      "periodicBasedEstimatedDate": "2029-03-09",  
      "checkBasedEstimatedDate": null,  
    }  
  ]  
}
```

```
        "forecastInformations": null
    },
    {
        "privateJobId": 4,
        "privateJobLabel": "Filtre à air",
        "lastJobDate": "2016-02-23",
        "milageBasedEstimatedDate": "2032-08-01",
        "periodicBasedEstimatedDate": null,
        "checkBasedEstimatedDate": null,
        "forecastInformations": null
    }/* ...etc */
],
"success": true,
"message": "OK",
"errors": []
}
```

Error JSON Payload :

```
{
    "success": false,
    "data": [],
    "message": "error message",
    "errors": { /*list of errors*/ }
}
```

9. Données factures 1

Description :

Ce WS permet de récupérer les informations brutes* des factures rattachées à un client, à partir d'une immatriculation donnée.

**informations non traitées récupérées directement depuis les fichiers importés par les adhérents du réseau*

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/vehicule/import-factures?lang=en
```

Method HTTP :

```
POST
```

Authentification :

```
OAuth 2.0 with Bearer
```

Request JSON Payload :

```
{  
  "immatriculation" : "ABC123"  
}
```

Success JSON Payload :

```
{  
  "data": [  
    {  
      "workshopNationalId": "12345678901234",  
      "clientDmsId": "1234",  
      "invoiceId": 35076339,  
      "invoiceDmsId": "24036",  
      "invoiceDate": "2011-09-06",  
      "invoiceAmount": 352.8,  
      "vehicleVIN": null,  
      "vehicleMileage": 11001,  
      "vehicleRegistrationPlate": "ABC123",  
      "packageCode": "",  
      "packageLabel": "",  
      "jobCode": "M1",  
      "jobLabel": "- Revision - Operations Systematiques - 93820000",  
    }  
  ]  
}
```

```

    "partQuantity": 1.4,
    "partReference": "",
    "partBrand": "",
    "partLabel": ""
  },
  {
    "workshopNationalId": "32635721700024",
    "clientDmsId": "5678",
    "invoiceId": 35129724,
    "invoiceDmsId": "26187",
    "invoiceDate": "2012-06-20",
    "invoiceAmount": 297.79,
    "vehicleVIN": null,
    "vehicleMileage": 20544,
    "vehicleRegistrationPlate": "ABC123",
    "packageCode": "",
    "packageLabel": "",
    "jobCode": "M1",
    "jobLabel": "- Revision - Operations Systematiques - 93820000",
    "partQuantity": 1.4,
    "partReference": "",
    "partBrand": "",
    "partLabel": ""
  } /* ... etc */
],
"success": true,
"message": "OK",
"errors": []
}

```

Error JSON Payload :

```

{
  "success": false,
  "data": [],
  "message": "error message",
  "errors": { /*list of errors*/ }
}

```

10. Données factures 2

Description :

Ce WS permet de récupérer les informations des factures rattachées à un client, à partir d'une immatriculation donnée.

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/vehicule/factures?lang=en
```

Method HTTP :

```
POST
```

Authentification :

```
OAuth 2.0 with Bearer
```

Request JSON Payload :

```
{  
  "immatriculation" : "ABC123"  
}
```

Success JSON Payload :

```
{  
  "data": [  
    {  
      "invoiceDmsId": "24036",  
      "invoiceDate": "2011-09-06",  
      "invoiceAmount": 352.8,  
      "mileageOnInvoice": 11001,  
      "memberId": null,  
      "memberPoSCode": null,  
      "memberTradeName": null,  
      "invoiceContent": [  
        {  
          "privateJobId": 7,  
          "privateJobLabel": "Liquide de frein",  
          "privateUsedSource": "libelle_operation",  
          "packageCode": "",  
          "packageLabel": "",  

```



```

        "jobCode": "C",
        "jobLabel": "Remplacement Du Liquide De Freins",
        "partQuantity": 0,
        "partReference": "",
        "partBrand": "",
        "partLabel": ""
    }
]
},
{
    "invoiceDmsId": "24177",
    "invoiceDate": "2011-09-26",
    "invoiceAmount": 181.6,
    "mileageOnInvoice": 11001,
    "memberId": null,
    "memberPoSCode": null,
    "memberTradeName": null,
    "invoiceContent": []
},
{
    "invoiceDmsId": "40475",
    "invoiceDate": "2020-01-30",
    "invoiceAmount": 932.87,
    "mileageOnInvoice": 96753,
    "memberId": null,
    "memberPoSCode": null,
    "memberTradeName": null,
    "invoiceContent": [
        {
            "privateJobId": 14,
            "privateJobLabel": "Plaquettes de frein",
            "privateUsedSource": "libelle_piece",
            "packageCode": "",
            "packageLabel": "",
            "jobCode": "",
            "jobLabel": "",
            "partQuantity": 1,
            "partReference": "425405",
            "partBrand": "CITROEN",
            "partLabel": "JEU 4 PLAQ"
        }
    ]
} /* ...etc */
],
"success": true,
"message": "OK",
"errors": []
}

```

Error JSON Payload :

```

{
    "success": false,
    "data": [],

```

```
"message": "error message",  
"errors": { /*list of errors*/ }  
}
```

11. Relances campagnes

Description :

Ce WS permet de récupérer les informations des factures rattachées à un client, à partir d'une immatriculation donnée.

Description :

Ce WS permet de récupérer l'historique des relances des campagnes marketing rattachées à un véhicule, à partir d'une immatriculation donnée.

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/vehicule/relances?lang=en
```

Method HTTP :

POST

Authentification :

OAuth 2.0 with Bearer

Request JSON Payload :

```
{  
  "immatriculation" : "ABC123"  
}
```

Success JSON Payload :

```
{  
  "success": true,  
  "data": [  
    {  
      "campaignId": 120,  
      "campaignlabel": "Février 2015",  
      "campaignType": "predictive",  
      "memberId": 57525,  
      "memberPoSCode": "920150",  
      "memberTradeName": "H2N AUTOMOBILE",  
      "campaignDiffusionDate": "2020-11-18 11:26:01",  
      "diffusionList": [  

```

```
{
  {
    "diffusionId": 39,
    "diffusionLabel": "SMS"
  },
  "operationList": [
    {
      "operationId": 2,
      "operationLabel": "Bougies",
      "messageDescription": "-10%"
    }
  ],
  "clientDmsId": null
},
{
  "campaignId": 468,
  "campaignlabel": "Décembre 2016",
  "campaignType": "predictive",
  "memberId": 57525,
  "memberPoSCode": "920150",
  "memberTradeName": "H2N AUTOMOBILE",
  "campaignDiffusionDate": "2020-11-18 11:26:01",
  "diffusionList": [
    {
      "diffusionId": 39,
      "diffusionLabel": "SMS"
    }
  ],
  "operationList": [
    {
      "operationId": 6,
      "operationLabel": "Filtre habitacle",
      "messageDescription": "-10%"
    }
  ],
  "clientDmsId": null
},
{
  "message": "OK",
  "errors": []
}
}
```

Error JSON Payload :

```
{
  "success": false,
  "data": [],
  "message": "error message",
  "errors": { /*list of errors*/ }
}
```

12. Vision 360

Description :

Ce WS permet de récupérer l'ensemble des informations des WS précédent en un seul appel, à partir d'une immatriculation donnée.

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/vehicule/vision360?lang=en
```

Method HTTP :

```
POST
```

Authentification :

```
OAuth 2.0 with Bearer
```

Request JSON Payload :

```
{  
  "immatriculation" : "ABC123"  
}
```

Success JSON Payload :

```
{  
  "success": true,  
  "data": {  
    "vehicleInformations": {  
      "monthlyMilageEstimated": 1100,  
      "vehicleReleaseDate": "2009-09-30",  
      "vehicleVariante": "VF7RDRFJC9L554165",  
      "vehicleLastVisitDate": "2020-09-01",  
      "vehicleLastVisitMileage": 96753,  
      "vehicleCurrentMilageEstimated": 0,  
      "vehicleLastTechnicalControlDate": "2017-09-30",  
      "vehicleNextTechnicalControlDate": null  
    },  
    "clientList": [/* voir WS Données Clients 1 */],  
    "importFactureList": [/* voir WS Données Factures 1 */],  
  }  
}
```

```
"relanceClientList": [/* voir WS Données Clients 2 */],
"vehiculeHistoriqueList": [/* voir WS Historique des Opérations 1 */],
"vehiculePrevisionList": [/* voir WS Prévisions */],
"vehiculeFactureList": [/* voir WS Données factures 2 */],
"vehiculeDiagnostic": { /* voir WS Diagnostics */},
"vehiculeRelanceList": [ /* voir WS Historique des relances 1 */ ]
},
"message": "OK",
"errors": []
}
```

Error JSON Payload :

```
{
  "success": false,
  "data": [],
  "message": "error message",
  "errors": { /*list of errors*/ }
}
```

13. Clients campagnes

Description :

Ce WS permet de récupérer les infos des clients relancés lors des campagnes marketing d'un adhérent donnée.

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/adherents/{code_pdv}/campagnes-clients?page=1
```

Method HTTP :

GET

Authentification :

OAuth 2.0 with Bearer

Request JSON Payload :

Vide

Success JSON Payload :

```
{
  "success": true,
  "data": {
    "adherent": {
      "id": 78612,
      "articleCode": null,
      "articleLibelle": null
    },
    "campagneList": [
      {
        "id": 1469,
        "dateDiffusion": "2021-08-17",
        "datePrediction": "2021-09-01",
        "dateCreation": "2021-08-11",
        "clientList": [
          {
            "civilite": "Mr",
```

```

        "prenom": null,
        "nom": "DUPONT PHILLIPE",
        "vehicule": {
            "immatriculation": "ABC123",
            "marque": "Renault",
            "modele": "MEGANE"
        },
        "operation": {
            "id": 5,
            "label": "Plaquettes de freins AVANT"
        },
        "promotion": [
            {
                "id": 323,
                "label": "Communication informative"
            }
        ],
        "diffusion": {
            "sms": true,
            "email": false,
            "courrier": false
        }
    },
    {
        "civilite": "Mr",
        "prenom": null,
        "nom": "LEFEBVRE CHRISTINE",
        "vehicule": {
            "immatriculation": "DEF123",
            "marque": "Dacia",
            "modele": "SANDERO"
        },
        "operation": {
            "id": 8,
            "label": "Disques + Plaquettes ARRIERE"
        },
        "promotion": [
            {
                "id": 327,
                "label": "Communication informative"
            }
        ],
        "diffusion": {
            "sms": true,
            "email": false,
            "courrier": false
        }
    } /* ...etc */
]
},
{
    "id": 1465,
    "dateDiffusion": "2021-07-13",
    "datePrediction": "2021-08-01",
    "dateCreation": "2021-07-06",

```



```
        "clientList": [/* ... */]
    }
] /* ...etc */
"pagination": {
    "page": 3,
    "nbPerPage": 3,
    "nbResults": 20
},
"message": "OK",
"errors": []
}
```

Error JSON Payload :

```
{
    "success": false,
    "data": [],
    "message": "error message",
    "errors": {/*list of errors*/}
}
```

14. BlackList Email / SMS

Description :

Ce WS permet de récupérer un fichier CSV contenant la liste des clients d'un réseau qui intègre la blacklist email ou sms.

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/adherents/relance-clients/blacklist?output=csv
```

Dans le cas où le paramètre « **output=csv » n'est pas renseigné une réponse sous format json sera proposée.*

Method HTTP :

GET

Authentification :

OAuth 2.0 with Bearer

Request JSON Payload :

Vide

Success JSON Payload :

```
{
  "data": [
    {
      "clientId": 58431956,
      "clientPrenom": "Richard",
      "clientNom": "SMITH",
      "clientRaisonSociale": null,
      "relanceSms": true,
      "relanceEmail": false,
      "synchroDmsTelephone": true,
      "synchroDmsEmail": false,
      "viePrivee": "courrier | telephone mobile | telephone domicile |
```

```
telephone professionnel | email",
  "clientPortable": null,
  "clientEmail": "s.richard@mail.fr",
  "adherentNomCourt": "SAS GARAGE ",
  "clientCodePostal": "55200",
  "adherentCodePdv": "6768ZED"
},
{
  "clientId": 58445960,
  "clientPrenom": "WILLIS",
  "clientNom": "EMMANUEL",
  "clientRaisonSociale": null,
  "relanceSms": true,
  "relanceEmail": false,
  "synchroDmsTelephone": true,
  "synchroDmsEmail": false,
  "viePrivee": "telephone mobile | telephone professionnel | email",
  "clientPortable": "0630553444",
  "clientEmail": "w.emmanuel@mail.com",
  "adherentNomCourt": "SAS GARAGE",
  "clientCodePostal": "55200",
  "adherentCodePdv": "417728CZ"
}
], /* ...etc */
"success": true,
"message": "OK",
"errors": []
}
```

Error JSON Payload :

```
{
  "success": false,
  "data": [],
  "message": "error message",
  "errors": { /*list of errors*/ }
}
```

15. Push informations Clients / Factures

Description :

Ce WS permet d'uploader un fichier ZIP* contenant les informations clients et facture d'un adhérent donnée.

**Le fichier ZIP doit respecter le même contrat d'interface que lors des dépôts de fichiers via server FTP (se rapprocher des gestionnaires d'application pour plus d'informations)*

Endpoint :

```
https://{url_apl_mmp}/api/{version}/{reseau}/service-external-client/import-fichier/clients-factures
```

Method HTTP :

POST

Authentification :

OAuth 2.0 with Bearer

Request FORM-DATA:

KEY	TYPE	DESCRIPTION
importFile	File	Fichier ZIP à uploader
organizationId	Text	ID de l'adhérent

Success JSON Payload :

```
{  
  "success": true,  
  "data": {  
    "success": true,  
    "message": "Le fichier a été importé avec succès."  
  },  
}
```

```
"message": "OK",  
"errors": []  
}
```

Error JSON Payload :

```
{  
  "success": false,  
  "data": [],  
  "message": "error message",  
  "errors": { /*list of errors*/ }  
}
```

