

Web API Integration

URL

ProcureCheck XDev web api URL:

<https://xdev.procurecheck.co.za/api/api/v1/>

Authentication

<https://xdev.procurecheck.co.za/api/api/v1/authenticate>

JSON Web Tokens (JWT) are used to authenticate any web api requests that require a login.

Authentication example:

The screenshot shows the Postman interface with a POST request to `{{url}}/api/authenticate`. The 'Body' tab is selected, showing the following form-data:

KEY	VALUE
<input checked="" type="checkbox"/> username	pgupta@uj.ac.za
<input checked="" type="checkbox"/> password	PCtestxdev1
Key	Value

The 'Body' tab is also selected at the bottom, showing the JSON response:

```
1 "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.  
eyJ1bmIxWVfbmFtZSI6InBndXB0YUB1ai5hYy56YSIsIm5hbWpZC16IjRiNTRhOGIwLWFjYWYtNGViMy1iODUyLT  
V1M2NiizXhwIjoxNTk1ODUzMDA5LCJpYXQiOjE1OTU4NTExMDksImlzcyI6Imh0dHA6Ly9sb2Nhbgvc3QiLCJhdWQ  
iOjJYREVWIn0
```

The JWT token must be included as a header in any authenticated request as below:

The screenshot shows the Postman interface with a GET request to `{{url}}/api/dashboard/employeeRMXBarGraph?employeeStatusFilter=-1`. The 'Headers' tab is selected, showing the following header:

KEY	VALUE
<input checked="" type="checkbox"/> Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9eyJ1bmIxWVfbmFtZSI6ImRhcniJib5sb3V3Q

Add Vendor

The below request shows how to add a CIPC vendor. The minimum fields are:

- vendor_Name
- nationality_Id (South Africa: **153A0FB2-CC8D-4805-80D2-5F996720FED9**)
- processBeeInfo (Leave as false if you are not running BEE verification)
- vendor_RegNum (Company registration number on CIPC)
- ExternalVendorId (Your chosen unique vendor reference ID used to link back to your external system)

If your client has opted in for BEE checks, then set “processBeeInfo=true”

Otherwise, set “processBeeInfo=false”

Note: The nationality ID can be set to South Africa’s ID, which is: **153A0FB2-CC8D-4805-80D2-5F996720FED9**

After creating a vendor, the response will contain a GUID for their ProcureCheckVendorID, which you will need to store and later use to identify a vendor when making future requests for that particular vendor.

The screenshot shows a Postman interface for a POST request to <https://xdev.procurecheck.co.za/api/api/vendors?processBeeInfo=false>. The 'Body' tab is selected, showing the following form-data:

Key	Value
vendor_Name	MODENA INFRASTRUCTURE
nationality_Id	153A0FB2-CC8D-4805-80D2-5F996720FED9
vendor_RegNum	2010/015459/07
vendorExternalID	UJTestVendor123

Below the body, the response is shown as a JSON object:

```
1 "e8a487a0-da69-4acb-9ce9-f9c20796ebc4"
```

Add Employee

The below request shows how to add n employee. The minimum fields are:

- employee_FirstName
- employee_LastName
- nationality_Id (South Africa: **153A0FB2-CC8D-4805-80D2-5F996720FED9**)
- employee_IdNum (ID number of the person)
- employee_Designation
- employee_UniqueId (Your chosen unique employee reference ID used to link back to your external system)

Note: The nationality ID can be set to South Africa's ID, which is: **153A0FB2-CC8D-4805-80D2-5F996720FED9**

After creating an employee, the response will contain a GUID for their ProcureCheckEmployeeID, which you will need to store and later use to identify an employee when making future requests for that particular employee.

POST <https://xdev.procurecheck.co.za/api/api/employees>

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE
<input checked="" type="checkbox"/> employee_FirstName	joe
<input checked="" type="checkbox"/> employee_LastName	Soap
<input checked="" type="checkbox"/> nationality_Id	153A0FB2-CC8D-4805-80D2-5F996720FED9
<input checked="" type="checkbox"/> employee_IdNum	9102154126894
<input checked="" type="checkbox"/> employee_Designation	Testing
<input checked="" type="checkbox"/> employee_UniqueId	UJTestEmployee123
Key	Value

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON ↻

```
1 "ef226ea6-862b-4b4a-aaee-c1403187ed45"
```

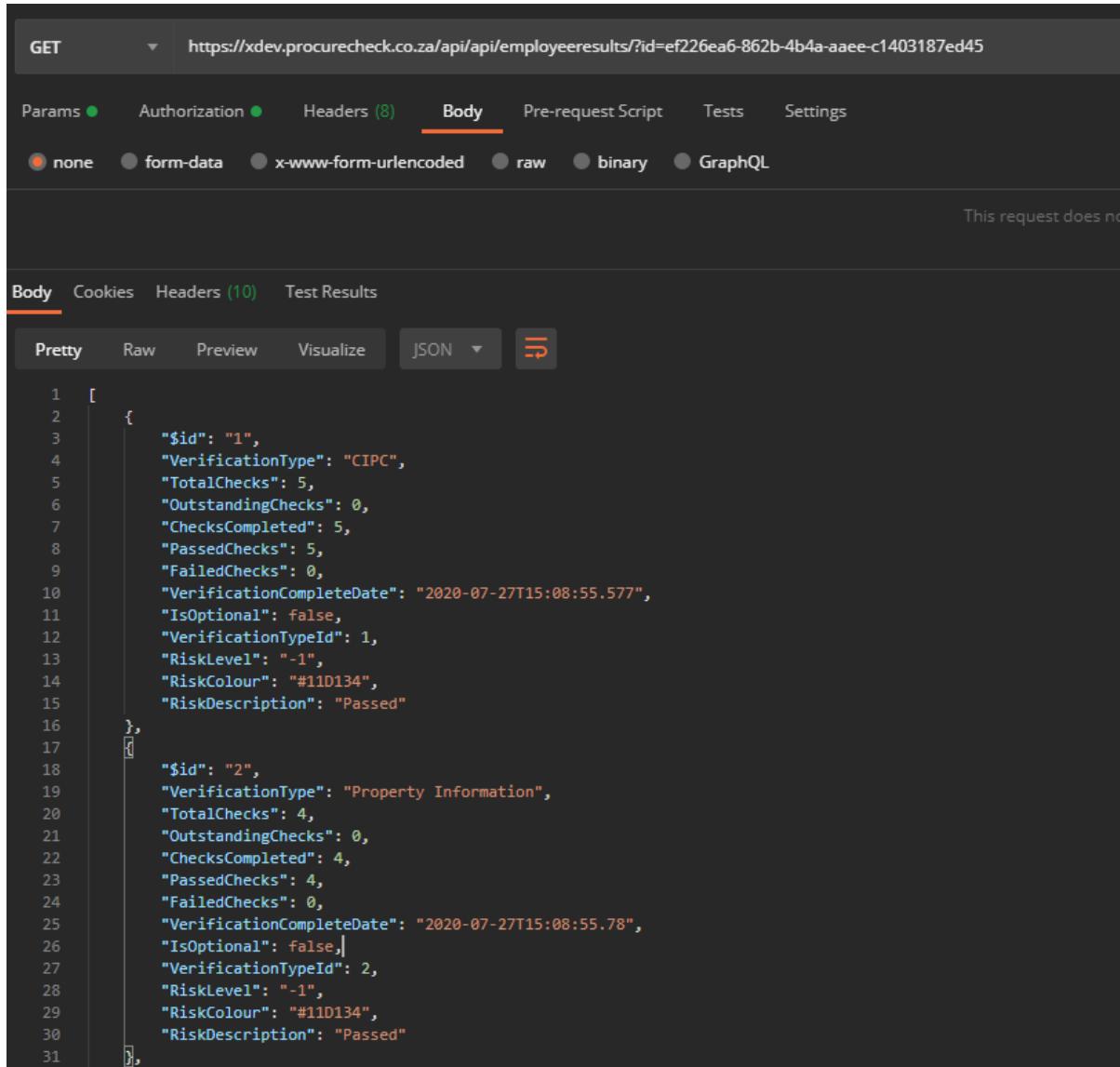
Results

Employee results summary

To get a basic over-view of all of a specific employee's checks, call the following method:

[https://xdev.procurecheck.co.za/api/api/v1/employeeresults/?id=\(ProcureCheckEmployeeID\)](https://xdev.procurecheck.co.za/api/api/v1/employeeresults/?id=(ProcureCheckEmployeeID))

The id query parameter comes from the response when first creating the employee (See “Create Employee” section image response body)



```
1 [  
2 {  
3     "$id": "1",  
4     "VerificationType": "CIPC",  
5     "TotalChecks": 5,  
6     "OutstandingChecks": 0,  
7     "ChecksCompleted": 5,  
8     "PassedChecks": 5,  
9     "FailedChecks": 0,  
10    "VerificationCompleteDate": "2020-07-27T15:08:55.577",  
11    "IsOptional": false,  
12    "VerificationTypeId": 1,  
13    "RiskLevel": "-1",  
14    "RiskColour": "#11D134",  
15    "RiskDescription": "Passed"  
16 },  
17 {  
18     "$id": "2",  
19     "VerificationType": "Property Information",  
20     "TotalChecks": 4,  
21     "OutstandingChecks": 0,  
22     "ChecksCompleted": 4,  
23     "PassedChecks": 4,  
24     "FailedChecks": 0,  
25     "VerificationCompleteDate": "2020-07-27T15:08:55.78",  
26     "IsOptional": false,  
27     "VerificationTypeId": 2,  
28     "RiskLevel": "-1",  
29     "RiskColour": "#11D134",  
30     "RiskDescription": "Passed"  
31 }]
```

Employee Verification Results

To get a detailed report on a specific employee's results for each verification, use the below methods:

- CIPC: <https://xdev.procurecheck.co.za/api/api/v1/employeeresults/cipc/?id=ef226ea6-862b-4b4a-aaee-c1403187ed45>

- Property:
<https://xdev.procurecheck.co.za/api/api/v1/employeeresults/property/?id=ef226ea6-862b-4b4a-aaee-c1403187ed45>
- Restricted List:
<https://xdev.procurecheck.co.za/api/api/v1/employeeresults/nonpreferred/?id=ef226ea6-862b-4b4a-aaee-c1403187ed45>
- Persal: <https://xdev.procurecheck.co.za/api/api/v1/employeeresults/persal/?id=ef226ea6-862b-4b4a-aaee-c1403187ed45>
- SAFPS: <https://xdev.procurecheck.co.za/api/api/v1/employeeresults/safps/?id=ef226ea6-862b-4b4a-aaee-c1403187ed45>

Vendor results summary

To get a basic over-view of all of a specific vendor's checks, call the following method:

[https://xdev.procurecheck.co.za/api/api/v1/vendorresults/?id=\(ProcureCheckEmployeeID\)](https://xdev.procurecheck.co.za/api/api/v1/vendorresults/?id=(ProcureCheckEmployeeID))

The id query parameter comes from the response when first creating the employee (See "Create Vendor" section image response body)

```
1 [  
2   {  
3     "$id": "1",  
4     "VerificationType": "CIPC",  
5     "TotalChecks": 7,  
6     "OutstandingChecks": 1,  
7     "ChecksCompleted": 6,  
8     "PassedChecks": 6,  
9     "FailedChecks": 0,  
10    "VerificationCompleteDate": "2020-07-27T15:02:24.273",  
11    "IsOptional": false,  
12    "VerificationTypeId": 1,  
13    "RiskLevel": "0",  
14    "RiskColour": "#ffffff",  
15    "RiskDescription": ""  
16  },  
17  {  
18    "$id": "2",  
19    "VerificationType": "Property Information",  
20    "TotalChecks": 4,  
21    "OutstandingChecks": 0,  
22    "ChecksCompleted": 4,  
23    "PassedChecks": 4,  
24    "FailedChecks": 0,  
25    "VerificationCompleteDate": "2020-07-27T15:02:24.517",  
26    "IsOptional": false,  
27    "VerificationTypeId": 2,  
28    "RiskLevel": "-1",  
29    "RiskColour": "#11D134",  
30    "RiskDescription": "Passed"  
31  },  
32  {  
33    "$id": "3",  
34    "VerificationType": "Non-Preferred Listing",  
35    "TotalChecks": 6,
```

Vendor Verification Results

To get a detailed report on a specific vendor's results for each verification, use the below methods:

- CIPC: <https://xdev.procurecheck.co.za/api/api/v1/vendorresults/cipc/?id=e8a487a0-da69-4acb-9ce9-f9c20796ebc4>
- Property: <https://xdev.procurecheck.co.za/api/api/v1/vendorresults/property/?id=e8a487a0-da69-4acb-9ce9-f9c20796ebc4>
- Restricted List: <https://xdev.procurecheck.co.za/api/api/v1/vendorresults/nonpreferred/?id=e8a487a0-da69-4acb-9ce9-f9c20796ebc4>
- Persal: <https://xdev.procurecheck.co.za/api/api/v1/vendorresults/persal/?id=e8a487a0-da69-4acb-9ce9-f9c20796ebc4>
- SAFPS: <https://xdev.procurecheck.co.za/api/api/v1/vendorresults/safps/?id=e8a487a0-da69-4acb-9ce9-f9c20796ebc4>
- SARS: <https://xdev.procurecheck.co.za/api/api/v1/vendorresults/sars/?id=e8a487a0-da69-4acb-9ce9-f9c20796ebc4>
- Judgments: <https://xdev.procurecheck.co.za/api/api/v1/vendorresults/judgement/?id=e8a487a0-da69-4acb-9ce9-f9c20796ebc4>