

# Web API Integration

## URL

ProcureCheck XDev web api URL:

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

The help page is: <https://xdev.procurecheck.co.za/api/help>

## 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.

Each JWT token will only last 20 minutes.

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 response body is a long JWT token:

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmJxdWVfbmFtZSI6InBndXB0YUB1ai5hYy56YSIsIm5hbWpZCI6IjRiNTRhOGIwLWFjYWYtNGViMyIiODUyLTIV1M2NiZXhwIjoxNTk1ODUzMDA5LCJpYXQiOjE1OTU4NTE4MDksImlzcyI6Imh0dHA6Ly9sb2Nhbgvc3Q1LCJhdWQiOjYREVVInE
```

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

The screenshot shows 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 eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmJxdWVfbmFtZSI6ImRhcnjIb5sb3V3Q

## 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)
- vendorExternalID (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"
```

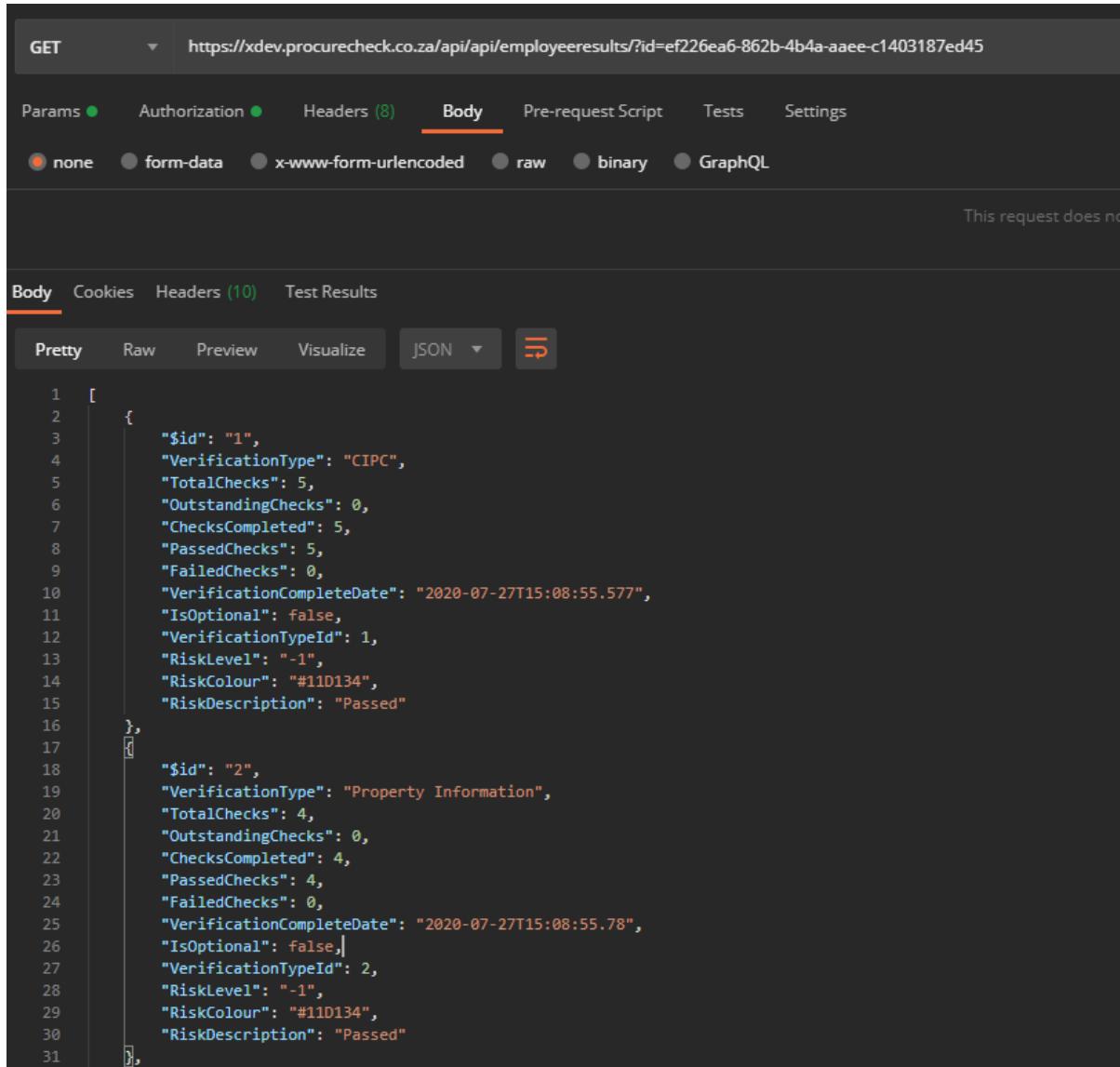
# Results

## 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>

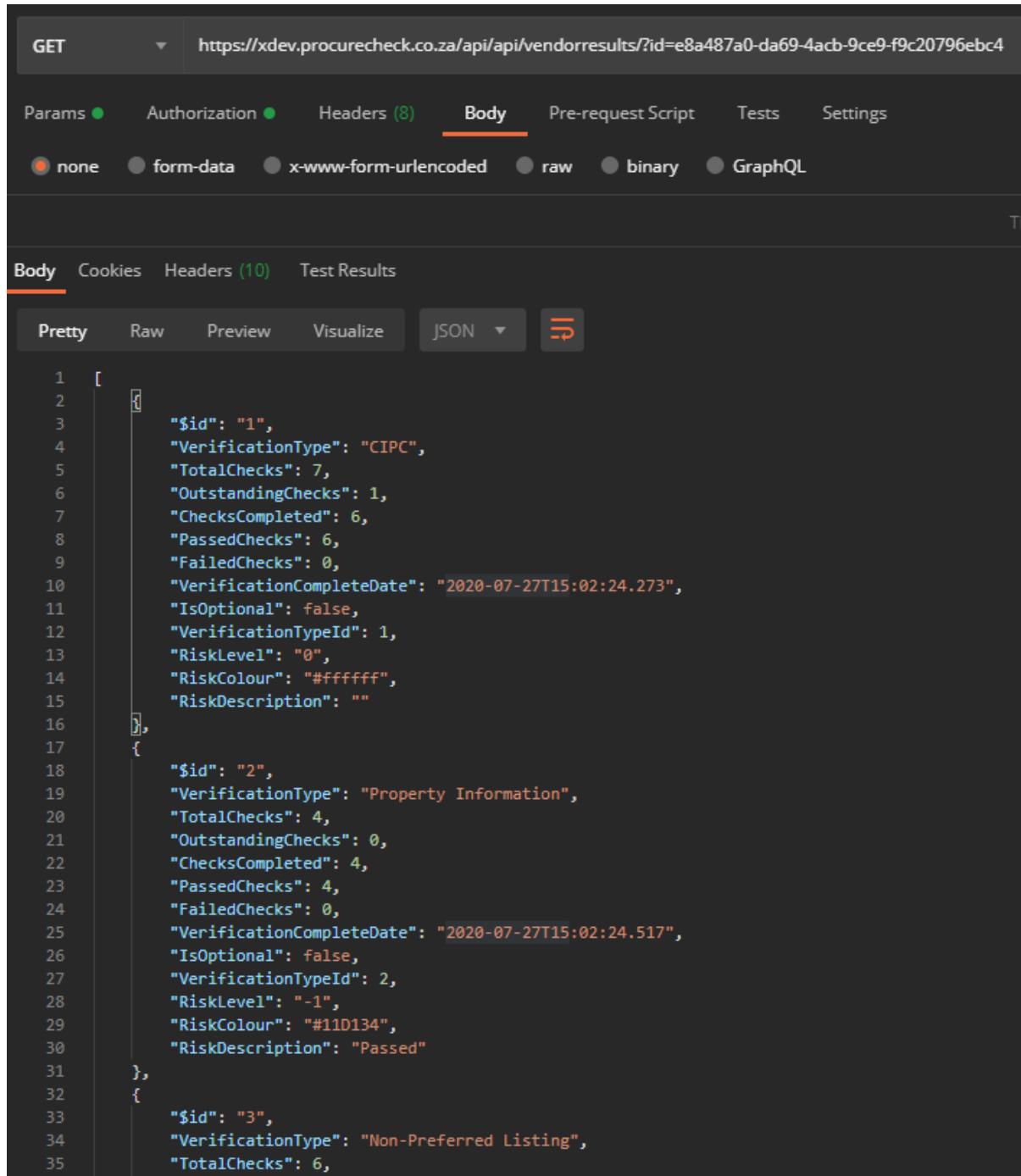
- Property:  
<https://xdev.procurecheck.co.za/api/api/v1/employeeresults/property/?id=ef226ea6-862b-4b4a-aaee-c1403187ed45>
- Restricted List:  
<https://xdev.procurecheck.co.za/api/api/v1/employeeresults/nonpreferred/?id=ef226ea6-862b-4b4a-aaee-c1403187ed45>
- Persal: <https://xdev.procurecheck.co.za/api/api/v1/employeeresults/persal/?id=ef226ea6-862b-4b4a-aaee-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     {"  
4       "$id": "1",  
5         "VerificationType": "CIPC",  
6         "TotalChecks": 7,  
7         "OutstandingChecks": 1,  
8         "ChecksCompleted": 6,  
9         "PassedChecks": 6,  
10        "FailedChecks": 0,  
11        "VerificationCompleteDate": "2020-07-27T15:02:24.273",  
12        "IsOptional": false,  
13        "VerificationTypeId": 1,  
14        "RiskLevel": "0",  
15        "RiskColour": "#ffffff",  
16        "RiskDescription": ""  
17      },  
18      [  
19        {"  
20          "$id": "2",  
21            "VerificationType": "Property Information",  
22            "TotalChecks": 4,  
23            "OutstandingChecks": 0,  
24            "ChecksCompleted": 4,  
25            "PassedChecks": 4,  
26            "FailedChecks": 0,  
27            "VerificationCompleteDate": "2020-07-27T15:02:24.517",  
28            "IsOptional": false,  
29            "VerificationTypeId": 2,  
30            "RiskLevel": "-1",  
31            "RiskColour": "#11D134",  
32            "RiskDescription": "Passed"  
33          },  
34          [  
35            {"  
36              "$id": "3",  
37                "VerificationType": "Non-Preferred Listing",  
38                "TotalChecks": 6,  
39              }  
40            ]  
41          ]  
42        ]  
43      ]  
44    ]  
45  ]  
46 ]
```

## 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>