**JO & CMDB Integration**

**Data Sharing**

We request to have an API that can be used to pull JO reports from the JO system. This will be subject to the parameters below:

* In the request, parameters can be provided which will optionally indicate filters that can be used in the search
* We can search JO for a particular asset/server, or for all servers
* The key field we shall use to inter-relate data between the two systems is primarily the IP address.
* Authentication mechanism to be used shall be advised by the JO team

**API Structure**

Below is the IP structure that shall is proposed. It shows the request parameters to be sent, and the expected response.

The Content Type is JSON.

**Fetch authorization token**

// Request:

POST /api/jo/token HTTP/1.1

Host: 77.73.68.233:6001

Content-Type: application/json

{

"username":"test",

"password":"tngefwfi"

}

// Response:

{

    "access\_token": "CcoBlJylQoP4Nj4WJMa6rmrQwS0hYj", // The token to use to fetch data

    "expires\_in": 36000, // Token will expire after x seconds

    "token\_type": "Bearer",

    "scope": "read",

    "refresh\_token": "8h5dzZhA3aYUsIuftTIA932JvmmxKs"

}

**Fetch JO data**

/// REQUESTING FOR JOs

// Request

POST /api/jo HTTP/1.1

Host: 77.73.68.233:6001

Content-Type: application/json

Authorization: Bearer <access\_token>

{

"Params": {

"IPAddress":" 10.8.255.20",

"StartDate": "20-06-01",

"StartJO": "0"

}

}

// Response

{

    "statusCode": 200,

    "statusMessage": "Success",

    "results": [

        {

            "Identifier": "TL\_1592323489",

            "Requestor": "TUMSIFU LEMA",

            "RequestorEmail": "tlema@vcontractor.co.tz",

            "RequestorDepartment": "NETWORK OPERATIONS MS",

            "RequestDate": "2020-06-16",

            "CABRefNumber": null,

            "JONumber": "",

            "JOType": "NO-IMPACT",

            "JOBTitle": "Test",

            "Approval": [],

            "SystemsToBeChanged": [

                {

                    "SystemName": "PTW SYSTEM",

                    "IpAddress": "10.8.255.20"

                }

            ],

            "MitigationPlan": null

        }

    ]

}