

DebiCheck Strike Date Analysis Webservice

Specifications Document

DRAFT

Version Number	Date	Modified By	Nature of Amendment
V1.0	2022/12/02	Danielle Haylett	Initial Draft
V1.1	2024/09/02	Danielle Haylett	Additional fields added to response

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1. Disclaimer

The DebiCheck payment stream is still under development, thus this document is subject to change and it may not be the final draft.

Please note there is a nominal cost associated for this service.

Please obtain consent from the consumer to draw the enquiry.

2. Introduction

Strike Date Analysis ascertains the best dates to debit Customers by determining when funds are most likely to be available in their bank accounts.

2.1. System Overview

The merchant will be sending a request type to NuPay via webservices. All requests are handled by the below mentioned methods of the webservice.

2.2. Security

Security measures include the use of Secure Sockets Layer (SSL) for the connection.

2.3. Best Practice for Webservice Consumption

The webservices adhere to the Restful standard, which dictates that the input and output is Json data. RESTful web services are built to work best on the web.

Representational State Transfer (REST) is an architectural style that specifies constraints, such as the uniform interface, that if applied to a web service induce desirable properties, such as performance, scalability, and modifiability, that enable services to work best on the web.

The suggested method of using this web service is to supply a JSON call with all the input parameters.

3. Connection

URL: https://btm.nupay.co.za/wsDebiCheck/strike_date_analysis

4. Strike Date Analysis

4.1. Inputs (JSON Layout)

```
{  
    "accessId": "",  
    "accessLvl": "",  
    "debtorId": "",  
    "auth": ""  
}
```

4.2. Outputs (JSon Layout)

```
{
    "accessId": "",
    "accessLvl": "",
    "debtorIdNumber": "",
    "source": "",
    "dateTimeStamp": "",
    "strikeDateAnalysisSummary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "averageInstalmentAmount": ""
    },
    "responseDay": [
        {
            "responseDay": "",
            "summary": {
                "success": "",
                "cancelled": "",
                "suspended": "",
                "failed": "",
                "disputes": "",
                "total": ""
            }
        },
        {
            "responseDay": "",
            "summary": {
                "success": "",
                "cancelled": "",
                "suspended": "",
                "failed": "",
                "disputes": "",
                "total": ""
            }
        },
        {
            "responseDay": "",
            "summary": {
                "success": "",
                "cancelled": "",
                "suspended": "",
                "failed": "",
                "disputes": "",
                "total": ""
            }
        },
        {
            "responseDay": "",
            "summary": {
                "success": "",
                "cancelled": "",
                "suspended": "",
                "failed": "",
                "disputes": "",
                "total": ""
            }
        },
        {
            "responseDay": ""
        }
    ]
}
```

```

    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
}

```

```

        }
    },
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": ""
    }
}
]

```

```

        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
}
}

```

```

    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "responseDay": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
}
],
"multipleAccountAnalysis": [
{
    "accountId": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "accountId": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "accountId": "",
    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": ""
    }
}
]

```

```

        "failed": "",
        "disputes": "",
        "total": ""

    }
},
{
    "accountId": "",

    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "accountId": "",

    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "accountId": "",

    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "accountId": "",

    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
},
{
    "accountId": "",

    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "total": ""
    }
}
,
```

```

    "summary": {
        "success": "",
        "cancelled": "",
        "suspended": "",
        "failed": "",
        "disputes": "",
        "bankName": "",
        "lastSuccessDate": "",
        "total": ""
    }
}
]
}
}

```

4.3. Input Fields Description

Data Element	Data Type	Description
auth	string	Format “username:password” and base64 encoded.
accessLvl	string	M – merchant level
accessId	string	Merchant number. Must be zero padded to 15 digits. Example: 000005500000010
debtorId	string	ID number of Debtor on which report will be generated on

4.4. Output Fields Description

Data Element	Data Type	Description
accessID	string	Merchant number
accessLvl	string	Merchant level
debtorIdNumber	string	ID number of Debtor
source	string	WS - webservice
dateTimeStamp	string	Date and Time that the analysis report was generated
strikeDateAnalysisSummary	string	<p>This is the percentage based on all response days for the specific Debtor.</p> <p>Detail consists of an overall summary based on:</p> <ul style="list-style-type: none"> - Success - Cancelled - Suspended - Failed - Disputes - Average Instalment Amount
responseDay	string	<p>Mandate results for that Debtor based on day of the month.</p> <p>Within this detail is the summary for that specific day for the following:</p> <ul style="list-style-type: none"> - Success - Cancelled - Suspended - Failed - Disputes - Total (total count for all the above)
multipleAccountAnalysis	string	<p>This section displays all accounts linked to that Debtor ID.</p> <p>Within this detail is a summary of the following:</p> <ul style="list-style-type: none"> - Account ID (specific account number linked to debtor ID) - Success - Cancelled - Suspended - Failed - Disputes - Bank Name - Last Success Date - Total (total count for all the above)