

# API Documentation for Smart Risk PRO v2.5

15 September 2025





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## **Document history**

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## Introduction

This document explains the SmartRisk PRO APIs which expose supplier data from the SmartRisk PRO application. This document can be used by the technical team who would be consuming the APIs to understand the type of information an API shares, along with the details of the request that can be made by the consuming application.

## **Environments**

SmartRisk PRO APIs are available on UAT and production environments; details are given below:

Environment	Description	URL
QA	Used to interact with the QA environment's data set	https://XXXXXX/api/v1.0
UAT	Used to interact with the UAT environment's data set	https://smartriskapi.tsclabs.in/api/v1.0
PROD	Used to interact with the Production environment's data set	https://smartriskapi.thesmartcube.com/api/v1.0

# **Authentication and security**

SmartRisk PRO APIs are secured with credentials, and WNS Procurement team will share the API credentials to access the API data. Examples of authentication, request variables and response of all the API endpoints are given below under the SmartRisk PRO API details section.

# **Methods call limitations**

To avoid excessive usage of the methods that can lead to a negative impact on overall performance, specific call number restrictions have been set. The maximum number of requests possible to send in a single call is currently limited to 100 (by the time the API has been first implemented). If a call surpassing this number is sent, an error-response code 400 is returned with the following response:

"API calls quota exceeded!"





## SmartRisk PRO API details

Please find below details of APIs:

- ▶ Supplier financials to get suppliers' key financial information and ratios
- Supplier risk summary to get risk summary from suppliers' risk profiles
- ▶ Supplier risk ratings to get one or more suppliers' risk ratings at both the overall and sub-risk levels
- ► Country risk ratings to get country-level risk ratings across P-E-S-T-L-E parameters
- ▶ Supplier parameter to get risk parameter values for one or more suppliers
- Supplier news to get one or more suppliers' news as available on the platform
- ► Key ESG information to get essential environmental, social and governance information if captured on the platform
- ▶ Credit rating information to get suppliers' third-party risk ratings if captured on the platform
- ▶ Country news to get country-level news as available on the platform
- ► Category news to get product group or commodity-level news as available on the platform
- ▶ Logistics news to get news on mapped logistics nodes as available on the platform
- ▶ Geographic risk exposures to get list of top 10 sourcing countries for one or more categories
- ► Category risk ratings information to extract one or more categories' risk ratings
- ▶ Top trending themes and topics to extract top 10 risk themes for one or more categories
- ▶ Supplier rating updates to get details on suppliers for which ratings have changed on the platform
- ► Category rating updates to get details on categories for which ratings have changed on the platform
- ▶ Country rating updates to get details on country for which ratings have changed on the platform

## **Supplier financials**

To get suppliers' key financial information and ratios

Below are details of calling method, request parameters and response of the API:

Method	Endpoint
POST	api/v1.0/financials

Params (Body)	Values	Required	Comments
supplier_code	String	Yes	Maximum 500 supplier code with comma separator can be pass to API Example: SR001, SR002, SR003
Offset	Integer	Optional	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records





## **Body Request format:**

```
{
"supplier_code":"SR001",
"offset": 0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes

## **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

Status	Response
200	<pre>{   "success": true,   "error": false,   "message": "OK",   "status_code": 200,   "payload": {       "total_records": 19,       "limit": 2000,       "offset": 0,       "supplier_code_invalid": "",       "supplier_data_notprocessed": "",       "records": [       {             "supplier_name": "SR00001",             "supplier_code": "SR001",             "client_category": "Accounting",             "sourcing_country": "United States",             "line_item": "Net profit",             "value": 7.2,             "unit": "million",             "suprier_iname": "SR000",             "sourcing_country": "United States",             "line_item": "Net profit",             "value": 7.2,             "unit": "million",</pre>





```
"currency": "GBP",
                    "period": "FY_12/31/2023"
                    "supplier_name": "SR00002",
                    "supplier_code": "SR002",
                    "client_category": "Accounting",
                     "sourcing_country": "United States",
                    "line_item": "Debt-to-capital",
                    "value": 16.2.
                    "unit": "x",
                    "currency": "GBP",
                    "period": "FY_12/31/2019"
                    "supplier_name": "SR00003",
                    "supplier_code": "SR003",
                    "client_category": "Accounting",
                     "sourcing_country": "United States",
                    "line_item": "Y-o-Y growth",
                    "value": 2.2,
                    "unit": "%",
                    "currency": "GBP",
                    "period": "FY_12/31/2019"
                  },
                    "supplier_name": "SR00004",
                    "supplier_code": "SR004",
                    "client category": "Accounting",
                     "sourcing_country": "United States",
                    "line_item": "Total debt",
                    "value": 11.2,
                    "unit": "million",
                     "currency": "GBP",
                     "period": "FY_12/31/2019"
                  }
               1
            }
          }
             "success": false,
             "error": true,
401
             "message": "Either client does not exist or credential is invalid",
             "status_code": 401,
             "payload": []
          }
```





# **Supplier risk summary**

To get risk summary from suppliers' risk profile

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	/api/v1.0/riskSummary

Params (Body)	Values	Required	Comments
supplier_code	String	Yes	Maximum 500 supplier code with comma separator can be pass to API Example: SR001, SR002, SR003
Offset	Integer	Optional	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

#### **Body Request format:**

```
{
"supplier_code":"SR001",
"offset": 0
}
```

Headers	Values	Required
Username	String	Yes
Password	String	Yes

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```





Status Response

```
"success": true,
"error": false.
"message": "OK",
"status_code": 200,
"payload": {
  "total_records": 13,
  "limit": 2000,
  "offset": 0,
  "supplier code invalid": "",
  "supplier data notprocessed": "",
  "records": [
 {
       "supplier name": "SR00001",
       "supplier code": "SR001",
       "client_category": "BUSINESS SERVICES - TRAVEL, MEETING & EVENTS",
       "sourcing country": "United States",
       "supplier hg": "United States",
       "supplier_address": "P. O. BOX 123456, DALLAS TX, United States",
       "supplier web": "https://www. SR001.com/",
       "supplier hg city": "New York",
       "supplier hg address": "123 AB Street New York, NY 123456, US",
       "supplier_group": "Group 1",
       "supplier status": "Tier 1",
```

200

"supplier\_desc": " SR00001 Travel Related Services provide services such as hotels and travel (cars, flights, cruises) bookings for personal as well as business travel, foreign exchange services and travel insurances globally; it is one of the business of American Express which was founded in 1850 and operates into financial services".

"overall\_summary": "SR00001 faces low risk due to strong financials and experienced management. However, the country risk exists, the country's GDP grew 5% in 2021 and is expected to grow by 3.2% in 2022. The economy will see a sharp slowdown as the government's fiscal support fades and the impact of Omicron will weigh on services spending and hit the supply chain. Russia and Ukraine combined account for less than 1% of the US imports and exports; the current conflict is not expected to have a major impact on the economy; however, the conflict could help keep inflation pressures elevated.",

```
"last_updated": "26-Mar-2023"

},

{

"supplier_name": "SR00002",

"supplier_code": "SR002",

"client_category": "BUSINESS SERVICES - CORPORATE SERVICES",

"sourcing_country": "United Kingdom",

"supplier_hq": "United Kingdom",

"supplier_address": "123 Midsummer Square, United Kingdom",

"supplier_web": "https://www2.SR002.com/",

"supplier_hq_city": "London",

"supplier_hq_address": "123 New Square, London 123456, United Kingdom",

"supplier group": "Group 2",
```





```
"supplier_status": "Tier 1",
                    "supplier desc": " SR00002 is a consulting service provider with a 100 years of
         experience; it offers auditing, accounting, financial advisory, risk management and tax services.
         The firm provides international financial reporting, assurance and advisory, tax auditing,
         corporate governance, risk consulting, and management and board advisory services.
         Additionally, it provides merger and acquisition, government compliance, financial advisory and
         human capital consulting services. Deloitte caters to aviation, defense, automotive, finance,
         banking, consumer products, healthcare, insurance, life sciences, media, oil and gas, power, real
         estate, retail, technology, telecommunication, hospitality, and government sectors",
                    "overall summary": " SR00002 faces low risk due to strong financials, experienced
         management and low business concentration risk. However, the country risk exists, the country's
          GDP grew 7.5% in 2021 and is expected to grow by 4.6% in 2022. New Covid-19 variants faster-
         than-expected monetary tightening and tense relations with the EU, over the Northern Ireland
         protocol further cloud the outlook.",
                    "last updated": "05-Mar-2023"
                 }
              ]
            }
         }
         {
            "success": false,
            "error": true,
401
            "message": "Either client does not exist or credential is invalid",
            "status code": 401,
            "payload": []
         }
```

## **Supplier risk ratings**

To get one or more suppliers' risk ratings at the overall and sub-risk level

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	/api/v1.0/riskRatings





Params (Body)	Values	Required	Comments
supplier_code	String	Yes	Maximum 500 supplier code with comma separator can be pass to API Example: SR001, SR002, SR003
Duration	String	Optional	Duration is fixed as 7d,30d,60d and 90d Example: for 7d, API returns data from current date – 7 days including the current day; default duration is (current date – 1 day)
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

## **Body request format:**

```
{
   "supplier_code":"SR001",
   "duration" : "7d",
   "offset": 0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes

## **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

#### Response

Status Response





```
200
           {
            "success": true,
            "error": false,
            "message": "OK",
            "status_code": 200,
            "payload": {
              "total_records": 1,
             "limit": 1000,
              "offset": 0,
              "supplier_code_invalid": "",
              "supplier data notprocessed": "",
              "records": [
                "supplier_name": "SR00001",
                "supplier_code": "SR001",
                "client_category": "Electronic Systems and Components Manufacturing",
                "sourcing_country": "United States",
                "supplier_overall_risk": 3.7,
                "risk_rating": [
                  "risk type": "Financial",
                  "risk_type_rating": 3.7,
                  "sub_risk": [
                   {
                     "sub risk name": "Profitability",
                     "sub_risk_rating": 4.5,
                     "SRM notes": ""
                   },
                     "sub_risk_name": "Solvency",
                     "sub_risk_rating": 3.4,
                     "SRM notes": ""
                   },
                     "sub_risk_name": "Liquidity",
                     "sub risk rating": 3,
                     "SRM notes": ""
                   },
                     "sub_risk_name": "Sponsor",
                     "sub_risk_rating": 1,
                     "SRM notes": ""
                   },
                     "sub_risk_name": "Scale",
                     "sub_risk_rating": 1,
```





```
"SRM notes": ""
 }
]
"risk_type": "Operational",
"risk_type_rating": 4.2,
"sub risk": [
 {
  "sub_risk_name": "Concentration",
  "sub risk rating": 4,
  "SRM notes": ""
 },
  "sub_risk_name": "Competition",
  "sub_risk_rating": 2.5,
  "SRM notes": ""
 },
  "sub_risk_name": "Management",
  "sub_risk_rating": 1,
  "SRM notes": ""
 },
  "sub_risk_name": "Security",
  "sub_risk_rating": 5,
  "SRM notes": ""
 },
  "sub_risk_name": "Quality",
  "sub_risk_rating": 5,
  "SRM notes": ""
 },
  "sub_risk_name": "Geographic",
  "sub_risk_rating": 2,
  "SRM notes": ""
 },
  "sub_risk_name": "Supply",
  "sub_risk_rating": 4,
  "SRM notes": ""
 },
  "sub_risk_name": "Demand",
  "sub_risk_rating": 2,
```





```
"SRM notes": ""
  },
   "sub_risk_name": "Technology",
   "sub_risk_rating": 5,
   "SRM notes": ""
 1
},
 "risk type": "Environmental & social",
 "risk_type_rating": 1.8,
 "sub_risk": [
   "sub_risk_name": "Social commitment",
   "sub_risk_rating": 1.3,
   "SRM notes": ""
  },
   "sub_risk_name": "Health & safety",
   "sub_risk_rating": 1.3,
   "SRM notes": ""
  },
   "sub_risk_name": "Wages & benefits",
   "sub_risk_rating": 1.3,
   "SRM notes": ""
  },
   "sub_risk_name": "Rights, diversity and inclusion",
   "sub_risk_rating": 2,
   "SRM notes": ""
  },
   "sub_risk_name": "Environment",
   "sub_risk_rating": 2.8,
   "SRM notes": ""
  },
   "sub_risk_name": "Product safety",
   "sub_risk_rating": 2.8,
   "SRM notes": ""
 ]
},
```



```
"risk_type": "Governance & control",
                  "risk_type_rating": 2.6,
                  "sub_risk": [
                   {
                    "sub_risk_name": "Business ethics",
                    "sub_risk_rating": 3.2,
                    "SRM notes": ""
                   },
                    "sub_risk_name": "Corporate governance",
                    "sub risk rating": 1,
                    "SRM notes": ""
                   },
                    "sub_risk_name": "Licenses & approvals",
                    "sub_risk_rating": 1,
                    "SRM notes": ""
                  ]
                 },
                  "risk_type": "Other",
                  "risk_type_rating": "N/A",
                  "sub_risk": []
               ],
                "date": "2025-09-19"
            }
           {
              "success": false,
              "error": true,
401
              "message": "Either client does not exist or credential is invalid",
              "status_code": 401,
              "payload": []
           }
```





# **Country risk ratings**

To get country-level risk ratings across P-E-S-T-L-E parameters

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	/api/v1.0/countryRiskRatings

Params (Body)	Values	Required	Comments
country_name	String	Yes	Maximum 500 country name with comma separator can be pass to API Example: India, Japan, China
duration	String	Optional	Duration is fixed as 7d,30d,60d and 90d Example: for 7d, API returns data from current date – 7 days including the current day; default duration is (current date – 1 day)
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

#### **Body request format:**

```
{
  "country_name": "India, United States",
  "duration": "90d",
  "offset":0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes

## **Headers request format:**

{

"username": "xyz@wns.com",





```
"password": "xyz",
"Content-Type": "application/json"
}
```

Status	Response
200	{     "success": true,     "error": false,     "message": "OK",     "status_code": 200,     "payload": {         "total_records": 1,         "limit": 1000,         "offset": 0,         "country_name_invalid": "",         "country_data_notprocessed": "",         "records": [             {
401	<pre>{   "success": false,   "error": true,   "message": "Either client does not exist or credential is invalid",   "status_code": 401,   "payload": [] }</pre>





## Parameter info of sub-risk

To get risk parameter values for one or more suppliers

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	/api/v1.0/subRiskParameters

Params (Body)	Values	Required	Comments
supplier_code	String	Yes	Maximum 500 supplier code with comma separator can be pass to API Example: SR001, SR002, SR003, SR004
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

#### **Body request format:**

```
{
   "supplier_code":"SR001, SR002, SR003, SR004",
   "offset": 0
}
```

Headers	Values	Required
Username	String	Yes
Password	String	Yes

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```





```
Status
             Response
            {
               "success": true,
              "error": false,
              "message": "OK",
              "status_code": 200,
               "payload": {
                 "total_records": 1,
                 "limit": 1000,
                 "offset": 0,
                 "supplier_code_invalid": "",
                 "supplier data notprocessed": "",
                 "records": [
                   {
                      "supplier_name": "Bharat Forge Ltd",
                      "supplier_code": "AT002",
                      "client_category": "Mechanical",
                      "sourcing country": "India",
                      "parameters": [
                           "risk_type": "Financial",
                           "sub_risk": "Profitability",
                           "parameter": "Revenue growth",
                           "parameter_value": "-12.57",
                           "parameter_score ": "5.00"
200
                         },
                           "risk_type": "Financial",
                           "sub risk": "Profitability",
                           "parameter": "Operating margin",
                           "parameter value": "11.69",
                           "parameter_score ": "3.00"
                        },
                           "risk_type": "Financial",
                           "sub_risk": "Profitability",
                            "parameter": "Return on assets",
                           "parameter_value": "4.39",
                           "parameter_score ": "4.00"
                         },
                           "risk_type": "Financial",
                           "sub risk": "Solvency",
                           "parameter": "Debt-to-capital",
                           "parameter_value": "0.52",
                           "parameter_score ": "3.00"
                         },
                           "risk_type": "Financial",
                           "sub risk": "Solvency",
                            "parameter": "Net debt-to-EBITDA",
```





```
"parameter value": "3.12",
               "parameter score ": "2.00"
            },
               "risk_type": "Financial",
               "sub risk": "Solvency",
               "parameter": "Interest coverage ratio",
               "parameter value": "-4.23",
               "parameter_score ": "1.00"
            },
               "risk_type": "Financial",
               "sub_risk": "Liquidity",
               "parameter": "Quick ratio",
               "parameter_value": "0.65",
               "parameter_score ": "5.00"
            },
               "risk type": "Financial",
               "sub_risk": "Sponsor",
               "parameter": "Parent or key investor type",
               "parameter_value": "PE/VC/Bank & Other FIs",
               "parameter_score ": "3.00"
            },
               "risk_type": "Financial",
               "sub_risk": "Scale",
               "parameter": "Size of business - revenue (last 12 months)",
               "parameter_value": "$1.88 billion (FY24)",
               "parameter_score ": "1.00"
            },
               "risk_type": "Financial",
               "sub_risk": "Scale",
               "parameter": "Size of business - employees (latest)",
               "parameter_value": "4,259 employee (FY24)",
               "parameter score ": "1.00"
            },
               "risk type": "Financial",
               "sub_risk": "Scale",
               "parameter": "Capital intensity",
               "parameter_value": "Capital requirement is moderate",
               "parameter score ": "3.0"
            },
               "risk_type": "Operational",
               "sub_risk": "Concentration",
               "parameter": "Business concentration - customer",
               "parameter value": "The company serves automotive, power, oil and gas, aerospace
etc and has significant customer base",
               "parameter_score ": "2.00"
            },
```





```
"risk type": "Operational",
               "sub risk": "Concentration",
               "parameter": "Business concentration – geography",
               "parameter value": "The company and it's parent majorly operates from India, but
can serve globally",
               "parameter_score ": "2.00"
            },
               "risk type": "Operational",
               "sub_risk": "Competition",
               "parameter": "Competitive advantages",
               "parameter_value": "The company and it's parent has unique process and is a
vertically integrated company; it is among the top players in the industry with some advantages",
               "parameter score ": "2.00"
            },
               "risk type": "Operational",
               "sub_risk": "Competition",
               "parameter": "Nature of competition",
               "parameter value": "Highly standardised products/services across vendors",
               "parameter score ": "5.0"
            },
               "risk_type": "Operational",
               "sub_risk": "Management",
               "parameter": "Management quality",
               "parameter value": "Average tenure of all CXOs is more than 5 years in the current
company; most CXOs have long experience in the same industry",
               "parameter score ": "1.00"
            },
               "risk_type": "Operational",
               "sub risk": "Security",
               "parameter": "Physical security and infosec measures",
               "parameter value": "The company is ISO/IEC. 27001:2013 certified; No major
security breach or service disruption in the last 3 years",
               "parameter_score ": "1.00"
            },
               "risk type": "Operational",
               "sub risk": "Security",
               "parameter": "Website & cloud security",
               "parameter_value": "No security issues detected. The system is fully updated and
well-configured, showing outstanding security practices.",
               "parameter_score ": "1.00"
            },
               "risk type": "Operational",
               "sub_risk": "Quality",
               "parameter": "Product or service quality",
               "parameter_value": "The company is ISO 9001 : 2015 certified; No reported product
recalls, failures, etc. in the last 3 years",
               "parameter_score ": "1.00"
            },
```



```
"risk type": "Operational",
               "sub risk": "Geographic",
               "Country": "India",
               "risk score": "3.0"
            },
               "risk type": "Operational",
               "sub_risk": "Supply",
               "parameter": "Supply stability",
               "parameter_value": "Stability is moderate",
               "parameter_score ": "3.0"
            },
               "risk type": "Operational",
               "sub_risk": "Supply",
               "parameter": "Nature of supply chain",
               "parameter_value": "Fairly global supply chain, high risk",
               "parameter_score ": "4.0"
            },
               "risk type": "Operational",
               "sub_risk": "Demand",
               "parameter": "Demand stability",
               "parameter_value": "Stability is moderate",
               "parameter score ": "3.0"
               "risk_type": "Operational",
               "sub_risk": "Technology",
               "parameter": "Impact of technology",
               "parameter value": "Technology disruption is low",
               "parameter_score ": "2.0"
            },
               "risk_type": "Environmental & social",
               "sub_risk": "Social commitment",
               "parameter": "Business diversity",
               "parameter value": "Works with tier-2 and tier-3 suppliers",
               "parameter_score ": "1.00"
            },
               "risk_type": "Environmental & social",
               "sub_risk": "Social commitment",
               "parameter": "Local community engagement",
               "parameter_value": "Has well-defined initiatives and/or actively sponsors or
participates in community-led programs",
               "parameter score ": "1.00"
               "risk_type": "Environmental & social",
               "sub_risk": "Health & safety",
               "parameter": "Occupational health & safety (supplier)",
               "parameter value": "Stated policy towards labour health & safety and publishes
report; ISO 45001 : 2018 certified; regularly audits its own and supplier sites; no fatal accidents in
the last 3 years",
```



```
"parameter score ": "1.00"
            },
               "risk type": "Environmental & social",
               "sub_risk": "Health & safety",
               "parameter": "Occupational health & safety (country)",
               "parameter value": "Health & Safety: Moderate",
               "parameter score ": "4.0"
               "risk_type": "Environmental & social",
               "sub_risk": "Wages and benefits",
               "parameter": "Wages & benefits (supplier)",
               "parameter value": "Stated commitment towards labour welfare and against
overwork, under-payment incidents and no incident reported within 3 years",
               "parameter score ": "1.00"
            },
               "risk_type": "Environmental & social",
               "sub risk": "Wages and benefits",
               "parameter": "Wages & benefits (country)",
               "parameter value": "Wage Fairness: Very Poor",
               "parameter_score ": "5.0"
            },
               "risk type": "Environmental & social",
               "sub risk": "Rights, diversity and inclusion",
               "parameter": "Forced or child labour (supplier)",
               "parameter value": "Stated policy or commitment against child or forced labour
incidents and no instances in the last 3 years",
               "parameter score ": "1.00"
            },
               "risk type": "Environmental & social",
               "sub_risk": "Rights, diversity and inclusion",
               "parameter": "Forced or child labour (country)",
               "parameter_value": "Forced or Child Labour: High prevalence",
               "parameter score ": "4.0"
            },
               "risk_type": "Environmental & social",
               "sub_risk": "Rights, diversity and inclusion",
               "parameter": "Collective bargaining (supplier)",
               "parameter_value": "No steps to discourage or stop labour unions or collective
bargaining in the last 3 years",
               "parameter score ": "1.00"
            },
               "risk_type": "Environmental & social",
               "sub_risk": "Rights, diversity and inclusion",
               "parameter": "Collective bargaining (country)",
               "parameter_value": "Collective Bargaining: High barriers",
               "parameter score ": "5.0"
            },
```



```
"risk_type": "Environmental & social",
               "sub_risk": "Rights, diversity and inclusion",
               "parameter": "Diversity and equal opportunity (supplier)",
               "parameter value": "Stated policy towards D&I; provides paid maternity leave for
female employees; reports progress on D&I; has equal pay and opportunity employment practices;
no incidents in the past 3 years",
               "parameter_score ": "1.00"
            },
               "risk_type": "Environmental & social",
               "sub_risk": "Rights, diversity and inclusion",
               "parameter": "Diversity and equal opportunity (country)",
               "parameter_value": "Gender equality: Moderate",
               "parameter score ": "3.0"
            },
               "risk type": "Environmental & social",
               "sub_risk": "Environment",
               "parameter": "Sustainable sourcing & production (supplier)",
               "parameter value": "Stated policy towards environmental sustainability; clear targets
for GHG emissions, water conservation, energy management and publish report; no incident of
environmental damage within 3 years",
               "parameter score ": "1.00"
            },
               "risk_type": "Environmental & social",
               "sub_risk": "Environment",
               "parameter": "Sustainable sourcing & production (country)",
               "parameter_value": "Environmental sustainability: Very Poor",
               "parameter score ": "5.0"
            },
               "risk type": "Environmental & social",
               "sub risk": "Environment",
               "parameter": "Emissions performance",
               "parameter value": "Lacks credible disclosures, targets, or initiatives, reflecting
unmanaged transition risk and no meaningful climate strategy.",
               "parameter score ": "5.0"
            },
               "risk_type": "Environmental & social",
               "sub_risk": "Product safety",
               "parameter": "Product safety",
               "parameter_value": "Detailed documentation on product safety is provided; no
incidents or adverse impacts in the last 3 years",
               "parameter_score ": "1.00"
            },
               "risk type": "Governance & control",
               "sub_risk": "Business ethics",
               "parameter": "AML & ABAC",
               "parameter_value": "Stated policy towards anti-corruption, bribery and money
laundering; no instances of corruption, bribery and money laundering in the last 3 years",
               "parameter score ": "1.00"
```





```
"risk type": "Governance & control",
               "sub_risk": "Business ethics",
               "parameter": "Political exposure",
               "parameter_value": "There is no direct relationship with politically exposed person, or
political and government organization",
               "parameter score ": "1.00"
            },
               "risk type": "Governance & control",
               "sub risk": "Business ethics",
               "parameter": "Legal exposure",
               "parameter value": "Sep'24 - Kalyani family feud escalates over new will and assets;
however this case is not impacting company's business",
               "parameter score ": "1.00"
            },
               "risk_type": "Governance & control",
               "sub_risk": "Corporate governance",
               "parameter": "Corporate governance",
               "parameter value": "Code of ethics and business conduct are disclosed publicly;
majority of the Board of Directors are independent; ESG policies are well-defined; no negative
reports on corporate governance",
               "parameter score ": "1.00"
            },
               "risk_type": "Governance & control",
               "sub risk": "Licenses & approvals",
               "parameter": "Sanctions & restrictions",
               "parameter value": "No bans or sanctions against a supplier or its
executives/directors in key geographic markets",
               "parameter_score ": "1.00"
            },
               "risk type": "Governance & control",
               "sub risk": "Licenses & approvals",
               "parameter": "Licenses, sales permits, trademarks, etc.",
               "parameter_value": "The company has filed 70 patents and 6 of them were granted",
               "parameter score ": "1.00"
            },
               "risk_type": "Governance & control",
               "sub_risk": "Licenses & approvals",
               "parameter": "Other watchlists",
               "parameter_value": "No mention in regulatory and other watchlists against this
supplier or its executives/directors in key geographic markets",
               "parameter score ": "1.00"
            }
          1
       }
    ]
  }
```









# **Supplier news**

To get one or more suppliers' news as available on the platform

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	api/v1.0/supplierNews

Params (Body)	Values	Required	Comments
supplier_code	String	Yes	Maximum 500 supplier code with comma separator can be pass to API. Example: SR001, SR002, SR003
Duration	String	Optional	Duration is fixed as 1d, 7d, 30d, 60d, 90d or blank Example: for 7d, API returns data from current date – 7 days
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

## **Body request format:**

```
{
   "supplier_code":" SR001, SR002, SR003, SR004",
   "duration": "90d",
   "offset": 0
}
```

Headers	Values	Required
Username	String	Yes
Password	String	Yes





#### **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

```
Response
Status
             {
                "success": true,
                "error": false,
                "message": "OK",
                "status_code": 200,
                "payload": {
                  "total_records": 6,
                  "limit": 1000,
                  "offset": 0.
                  "supplier_code_invalid": "",
                  "supplier_data_notprocessed": "",
                  "records": {
                    "0": {
                       "supplier name": "Dell Corporation Ltd",
                       "supplier_code": "SR001",
                       "client category": "IT Hardware Manufacturing",
                       "sourcing_country": "England",
                       "risk_type": "Operational",
200
                       "sub_risk": {
                          "Management": [
                               "supplier news date": "2024-01-11",
                               "supplier_news_title": "Dell shuffles channel management",
                               "supplier news link":
             "https://www.computerweekly.com/microscope/news/366565956/Dell-shuffles-channel-
             management",
                               "supplier news desc": "Dell has revealed it is making changes to the structure
             of its channel management team. The firm's global channel chief, Denise Millard, is becoming
             chief partner officer, reporting to Bill Scannell. Dell is also bidding farewell to Diego Majdalani,
             who has been leading global channel sales..",
                               "supplier_news_score": 1
                       }
                       "supplier_name": "Dell Corporation Ltd",
```





```
"supplier code": "SR001",
          "client category": "IT Hardware Manufacturing",
          "sourcing country": "England",
          "risk_type": "Financial",
          "sub_risk": {
            "Scale": [
                  "supplier_news_date": "2024-02-06",
                 "supplier news title": "Dell Technologies plumps up partner profit opportunities
and competencies",
                  "supplier_news_link": "https://www.arnnet.com.au/article/1303768/dell-
technologies-plumps-up-partner-profit-opportunities-and-competencies.html",
                 "supplier_news_desc": "Dell Technologies has unveiled its Partner Program for
2024 featuring new three competencies, more profit opportunities and the inclusion of Partner
ProServices. New incentives will provide \"higher profit potential\" as it moves to streamline the
Dell APEX Infrastructure offerings",
                 "supplier news score": 1
               },
                  "supplier_news_date": "2024-02-16",
                 "supplier news title": "Dell and Nokia to advance cloud and private 5G",
                 "supplier news link": "https://www.silverliningsinfo.com/newswire/dell-and-
nokia-advance-cloud-and-private-5q".
                  "supplier_news_desc": "Dell Technologies and Nokia announce the extension
of a strategic partnership to use each company's expertise and industry-leading solutions,
including infrastructure solutions from Dell and private wireless connectivity from Nokia, to
advance open network architectures",
                  "supplier news score": 1
               },
                  "supplier news date": "2024-03-19",
                  "supplier news title": "Dell Partners with Nvidia to expedite enterprise Al
adoption",
                  "supplier_news_link": "https://www.itweb.co.za/article/dell-partners-nvidia-to-
accelerate-ai-adoption/LPp6V7rB6XO7DKQz",
                  "supplier_news_desc": "Dell will collaborate with Nvidia to introduce a rack-
scale, high-density, liquid-cooled architecture based on the Nvidia Grace Blackwell Superchip.
These systems will support the next-generation ecosystem aiming to provide the foundation for
improvements in performance density",
                  "supplier_news_score": 1
               },
                  "supplier news date": "2024-03-26",
                  "supplier_news_title": "Dell reduces its global workforce by about 6,000 jobs
after",
                 "supplier_news_link": "https://www.hindustantimes.com/business/dell-lays-off-
workforce-as-part-of-broader-cost-cuts-101711401666457.html",
                  "supplier news desc": "Dell Technologies said that it will reduce its workforce
as part of a broader initiative to cut costs. In a filing, the company said that it will limit external
hiring and begin employee reorganization. The company has 120,000 employees down from
about 126,000 a year earlier as of February this year",
                  "supplier_news_score": 3
```





```
}
                       ]
                    "supplier_name": "Dell Corporation Ltd",
                    "supplier_code": " SR001",
                    "client_category": "IT Hardware Manufacturing",
                    "sourcing country": "England",
                    "risk type": "Financial",
                    "sub risk": {
                       "Profitability": [
                         {
                            "supplier news date": "2024-03-01",
                            "supplier news title": "Dell Technologies delivers fourth quarter and full year
          fiscal 2024".
                            "supplier_news_link": "https://www.prnewswire.com/news-releases/dell-
          technologies-delivers-fourth-quarter-and-full-year-fiscal-2024-financial-results-302076436.html",
                            "supplier_news_desc": "Dell Technologies announces financial results for its
          fiscal 2024 fourth quarter and full year.Q4 revenue was $22.3 billion, down 11% year over year.
          Revenue for the year was $88.4 billion, down 14% from fiscal year 2023. Operating income was
          $5.2 billion",
                            "supplier_news_score": 2
                         }
                       ]
                    }
                 }
               }
            }
          }
          {
             "success": false.
             "error": true,
401
             "message": "Either client does not exist or credential is invalid",
             "status_code": 401,
             "payload": []
          }
```





## **Key ESG information**

To get essential environmental, social and governance information if captured on the platform

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	api/v1.0/keyEsgInformation

Params (Body)	Values	Required	Comments
supplier_code	String	Yes	Maximum 500 supplier code with comma separator can be pass to API. Example: SR001, SR002, SR003
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

#### **Body request format:**

```
{
   "supplier_code":"SR001, SR002",
   "offset": 0
}
```

Headers	Values	Required
Username	String	Yes
Password	String	Yes

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```





```
Status
             Response
                "success": true,
                "error": false,
                "message": "OK",
                "status_code": 200,
                "payload": {
                  "total_records": 10,
                         "limit": 500,
                  "offset": 0.
                  "supplier code invalid": "SR001",
                  "supplier_data_notprocessed": "",
                  "records": [
                     {
                       "supplier_name": "SR00001",
                       "supplier_code": "SR001",
                       "client_category": "Automobile and Vehicles",
200
                       "sourcing_country": "United States",
                       "ESG_parameter": "Total Energy Use/Million in Revenue",
                       "ESG_value ": 42.33,
                       "ESG_unit ": "billion_tonne"
                     },
                       "supplier_name": " SR00002",
                       "supplier_code": "SR002",
                       "client_category": "Automobile and Vehicles",
                       "sourcing_country": "United States",
                       "ESG_parameter": "Total Greenhouse Gas / Carbon Dioxide Emissions 7",
                       "ESG_value ": 45.33,
                       "ESG_unit ": "billion_tonne"
                     }
                  ]
               }
             }
                "success": false,
                "error": true.
   401
                "message": "Either client does not exist or credential is invalid",
                "status code": 401,
                "payload": []
             }
```





# **Credit rating Information**

To get suppliers' third-party risk ratings, if captured on the platform

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	api/v1.0/creditRating

Params (Body)	Values	Required	Comments
supplier_code	String	Yes	Maximum 500 supplier code with comma separator can be pass to API. Example: SR001, SR002, SR003
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

#### **Body request format:**

```
{
   "supplier_code":"SR001, SR002",
   "offset": 0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```





```
Status
             Response
                "success": true,
                "error": false,
                "message": "OK",
                "status_code": 200,
                "payload": {
                  "total_records": 3,
                  "limit": 500,
                  "offset": 0,
                  "supplier code invalid": "",
                  "supplier_data_notprocessed": "",
                  "records": [
                     {
                       "supplier name": "SR00001",
                       "supplier_code": "SR001",
                       "client_category": "Automobile and Vehicles",
                       "sourcing_country": "United States",
                       "tpr rating": "Aaa+,Baa+,Ca,Da-",
                        "tpr_summary": "Third-Party Risk Summary united states"
200
                     },
                       "supplier name": "SR00002",
                       "supplier_code": "SR002",
                       "client_category": "Automobile and Vehicles",
                       "sourcing_country": "Germany",
                       "tpr_rating": "Stable",
                        "tpr_summary": "Third-Party Risk Summary germany"
                     },
                       "supplier name": "SR00003",
                       "supplier_code": "SR003",
                       "client_category": "Automobile and Vehicles",
                       "sourcing_country": "India",
                       "tpr rating": "Aaa+",
                        "tpr_summary": "Third-Party Risk Summary India"
                  ]
               }
             }
             {
                "success": false,
                "error": true,
   401
                "message": "Either client does not exist or credential is invalid",
                "status_code": 401,
                "payload": []
             }
```





## **Country news**

To get country-level news as available on the platform

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	api/v1.0/countryNews

Params (Body)	Values	Required	Comments
country_name	String	Yes	Example: India, Wales
Duration	String	Optional	Duration is fixed as 1d, 7d, 30d, 60d, 90d or blank Example: for 7d, API returns data from current date – 7 days
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

## **Body request format:**

```
{
  "country_name":"India, United States ",
  "duration" : "90d",
  "offset": 0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```





```
Status
            Response
            {
               "success": true.
               "error": false,
               "message": "OK",
               "status code": 200,
               "payload": {
                 "total records": 12,
                 "limit": 1000,
                 "offset": 0,
                 "country_name_invalid": "",
                 "country data notprocessed": "",
                 "records": [
                    {
                      "country": "India",
                      "sub risk": "Geographic",
                      "country param": "Economic",
                      "country news date": "2024-03-26",
                      "country news title": "India supports Philippines in upholding its national sovereignty",
                      "country_news_link":
                                               "https://www.business-standard.com/external-affairs-defence-
            security/news/india-supports-philippines-in-upholding-its-national-sovereignty-eam-
            124032600441 1.html".
                      "country news description": "India firmly supports the Philippines in upholding its
            national sovereignty and wants to explore new areas of cooperation, including in defence and
200
            security, External Affairs Minister S Jaishankar said on Tuesday, amid the Southeast Asian
            nation's maritime dispute with China in the South China Sea.",
                      "country news score": 1
                    },
                      "country": "India",
                      "sub risk": "Geographic",
                      "country_param": "Economic",
                      "country_news_date": "2024-03-26",
                      "country news title": "India plans to replace minimum wage by living wages by 2025",
                      "country news link": "https://economictimes.indiatimes.com/news/how-to/india-plans-
            to-replace-minimum-wage-by-living-wages-by-2025-heres-what-it-could-it-
            mean/articleshow/108795967.cms?UTM_Source=Google_Newsstand&UTM_Campaign=RSS_F
            eed&UTM Medium=Referral",
                      "country_news_description": "India is set to replace its minimum wage system with a
            living wage system by 2025. The government is seeking technical assistance from the ILO to
            develop a framework for estimating and implementing the living wage, as per the Economic Times
            report.",
                      "country news score": 1
                    },
                      "country": "India",
                      "sub risk": "Geographic",
```





```
"country param": "Economic",
          "country news date": "2024-03-26",
          "country news title": "India's CAD narrows to 1.2% of GDP in Q3 due to higher service
costs".
          "country news link":
"https://economictimes.indiatimes.com/news/economy/indicators/indias-cad-at-1-2-of-gdp-in-q3-
down-from-1-3-in-q2fy4-and-2-in-
q3fy23/articleshow/108793556.cms?UTM Source=Google Newsstand&UTM Campaign=RSS
Feed&UTM Medium=Referral",
          "country news description": "Current account deficit narrowed sequentially to $10.5
billion in the quarter ended December 2023 (Q3 FY24) 1.2 per cent of GDP from $11.4 billion in
Q2 FY24 (1.3 per cent of GDP). The deficit was also down from $16.8 billion or 2 per cent of GDP
in the year-ago period (Q3 FY23)",
         "country_news_score": 1
       },
         "country": "India",
         "sub risk": "Geographic",
         "country_param": "Political",
         "country_news_date": "2024-03-27",
         "country_news_title": "Philippines, India to cooperate on maritime security efforts",
          "country news link":
"https://www.philstar.com/headlines/2024/03/27/2343724/philippines-india-cooperate-maritime-
security-efforts",
         "country news description": "Malacañang said that the Philippines and India agreed to
cooperate on maritime security, a collaboration particularly important for Manila's vast seafaring
workforce.",
          "country news score": 1
       },
          "country": "India",
         "sub_risk": "Geographic",
         "country param": "Economic",
          "country news date": "2024-03-28",
          "country news title": "Mumbai overtakes Beijing as Asia's wealth hub",
                                  "https://www.wionews.com/india-news/indias-billionaire-boom-
          "country news link":
mumbai-overtakes-beijing-as-asias-wealth-hub-704497",
          "country news description": "Mumbai has outpaced Beijing to claim the title of Asia's
billionaire capital, with 92 billionaires compared to Beijing's 91, marking a major shift in wealth
dynamics. Mumbai experienced a 47 per cent surge in wealth over the past year",
         "country news score": 1
       },
          "country": "India",
         "sub risk": "Geographic",
         "country_param": "Economic",
          "country news date": "2024-03-28",
          "country news title": "India's April-Feb fiscal deficit at 86.5% of 2023/24 target",
          "country news link":
                                  "https://www.zawya.com/en/world/indian-sub-continent/indias-
april-feb-fiscal-deficit-at-865-of-2023-24-target-fx0kictd",
```





```
"country news description": "India's fiscal deficit for eleven months of the current
financial year that ends March 31, was 15.01 trillion rupees ($180.07 billion) or 86.5% of the
estimate of the whole year, government data showed",
          "country news score": 1
       },
         "country": "United States",
         "sub_risk": "Geographic",
         "country param": "Political",
         "country news date": "2024-03-25",
         "country_news_title": "US eyes revamped military command in Japan",
                                  "https://www.wionews.com/videos/us-eyes-revamped-military-
         "country news link":
command-in-japan-704143",
         "country_news_description": "Washington and Tokyo are planning to announce an
agreement to restructure the US military command in Japan when Prime Minister Fumio Kishida
visits the White House next month. According to reports, this would be the biggest upgrade for the
Security Alliance in decades.",
         "country_news_score": 1
       },
         "country": "United States",
         "sub risk": "Geographic",
         "country param": "Technology",
         "country_news_date": "2024-03-25",
         "country news title": "Japan, US discuss boosting military cooperation",
                                   "https://guardian.ng/news/japan-us-discuss-boosting-military-
         "country news link":
cooperation/",
          "country news description": "Japan and the United States are in talks to boost military
cooperation as they eye a growing threat from China. The two countries are discussing increased
integration and cooperation, Japan's government spokesman Yoshimasa Hayashi said",
         "country_news_score": 1
       },
         "country": "United States",
         "sub_risk": "Geographic",
         "country_param": "Political",
         "country news date": "2024-03-26",
         "country news title": "US, UK sanction alleged China-based hackers for targeting
voters, critics",
         "country_news_link":
                                    "https://www.aljazeera.com/news/2024/3/25/us-uk-sanction-
alleged-china-based-hackers-for-targeting-voters-critics",
         "country news description": "The United States and the United Kingdom have
announced sanctions against a Chinese company and two individuals after an alleged cyber-
espionage operation targeted millions of people, including legislators, voters and prominent Beijing
critics.",
          "country_news_score": 3
       },
         "country": "United States",
          "sub_risk": "Geographic",
         "country param": "Economic",
         "country_news_date": "2024-03-26",
```





```
"country_news_title": "Six presumed dead after crippled Singapore-flagged cargo
         knocks down Baltimore bridge",
                   "country news link":
                                            "https://www.channelnewsasia.com/world/singapore-flagged-
         cargo-ship-dali-baltimore-bridge-six-presumed-dead-4223746",
                   "country_news_description": "Six workers were missing and presumed dead from a
         bridge that collapsed in Baltimore Harbor when a massive cargo ship crippled by a power loss
         rammed into the structure, forcing closure of one of the busiest ports on the US Eastern
         Seaboard.",
                   "country news score": 4
                },
                   "country": "United States",
                   "sub_risk": "Geographic",
                   "country_param": "Economic",
                   "country news date": "2024-03-27",
                   "country_news_title": "Nigeria to import seven million barrels of U.S. crude in two
         months",
                   "country_news_link": "https://guardian.ng/news/nigeria-to-import-seven-million-barrels-
         of-u-s-crude-in-two-months/",
                   "country_news_description": "Although Nigeria produces one of the lightest and
         environmentally friendly crude oil in the world, local refineries, especially Dangote refinery will
         import West Texas Intermediate (WTI) of about seven million barrels this month and next month.",
                   "country news score": 1
              ]
           }
         }
            "success": false,
            "error": true.
401
            "message": "Either client does not exist or credential is invalid",
            "status_code": 401,
            "payload": []
```

## **Category news**

To get product group or commodity-level news as available on the platform

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	api/v1.0/categoryNews





Params (Body)	Values	Required	Comments
Category	String	Yes	Example: Marketing, Networking
news_type	String	Optional	Example: All or Premium or Blank
Duration	String	Optional	Duration is fixed as 1d, 7d, 30d, 60d, 90d or blank Example: for 7d, API returns data from current date – 7 days
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

### **Body request format:**

```
{
   "category":"Accounting, Marketing",
   "duration" : "30d",
   "news_type" : "",
   "offset": 0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes

### **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

Status	Response
200	{     "success": true,     "error": false,





```
"message": "OK",
  "status code": 200,
  "payload": {
     "total records": 9,
     "limit": 1000,
     "offset": 0,
     "category name invalid": "",
     "category data notprocessed": "",
     "records": [
          "category_id": CR001,
          "category": "IT Services",
          "risk_type": "Operational",
          "sub_risk": "Supply",
          "theme": "Material price & supply",
          "topic": "Enterprise Hardware",
          "category news date": "2024-03-30",
          "category news title": "Microsoft and OpenAl plan to build a $100 billion
supercomputer to power artificial intelligence",
          "category_news_link": "https://ca.news.yahoo.com/microsoft-openai-plan-build-100-
001149249.html",
          "category news desc": "Microsoft and OpenAl are planning an unprecedented
supercomputer that uses millions of specialized server chips and could cost up to $100 billion.
The US-based supercomputer, known as \"Stargate,\" would be the centerpiece of a five-phase
plan focused on a series of supercomputer installations",
          "category_news_score": 1,
          "news type": "Premium",
          "news tag": ""
       },
          "category id": CR001,
          "category": "IT Services",
          "risk_type": "Operational",
          "sub_risk": "Supply",
          "theme": "Material price & supply",
          "topic": "Enterprise Hardware",
          "category news date": "2024-03-29",
          "category news title": "Schneider Electric and NVIDIA collaborate on AI data center
designs",
          "category_news_link": "https://telecomtalk.info/schneiderelectric-nvidia-collaborate-on-
ai-datacenter-designs/944213/",
          "category news desc": "Schneider Electric and NVIDIA have joined forces to optimise
data center infrastructure, particularly focusing on edge AI and digital twin technologies. In
addition to AI data center reference designs, AVEVA, will integrate its digital twin platform with
NVIDIA Omniverse",
          "category_news_score": 1,
          "news type": "Premium".
          "news tag": ""
       },
          "category id": CR001,
          "category": "IT Services",
```





```
"risk_type": "Operational",
                   "sub risk": "Supply",
                   "theme": "Material price & supply",
                   "topic": "Semiconductor Chips and Electronic Components",
                   "category news date": "2024-03-27",
                   "category news title": "Pragmatic Semiconductor opens UK's first 300mm wafer fab",
                   "category news link":
         "https://www.theregister.com/2024/03/27/pragmatic opens 300mm fab/",
                   "category news desc": "UK chipmaker Pragmatic Semiconductor has officially opened
         its latest manufacturing facilities in Durham. Pragmatic claims that its Pragmatic Park site at
         Durham is the UK's first production facility for producing 300mm semiconductor wafers.",
                   "category news score": 1,
                   "news type": "Premium",
                   "news_tag": ""
                 },
                   "category_id": CR001,
                   "category": "IT Services",
                   "risk type": "Operational",
                   "sub_risk": "Supply",
                   "theme": "Trade events",
                   "topic": "Semiconductor Chips and Electronic Components",
                   "category news date": "2024-03-27",
                   "category_news_title": "S. Korea, EU to conduct joint research on semiconductor,
         communications network technologies",
                   "category news link":
         "https://en.yna.co.kr/view/AEN20240327003400320#:~:text=SEOUL%2C%20March%2027%20(
         Yonhap), Seoul's %20 science %20 ministry %20 said %20 Wednesday.",
                   "category news desc": "South Korea and the European Union have agreed to conduct
         joint research projects on advanced semiconductor and next-generation communications
         network technologies in the next three years, Seoul's science ministry said. Under the
         agreement, South Korea and the EU will jointly invest 12M euros",
                   "category_news_score": 1,
                   "news_type": "Premium",
                   "news tag": ""
              1
            }
         }
            "success": false,
            "error": true,
401
            "message": "Either client does not exist or credential is invalid",
            "status code": 401,
            "payload": []
         }
```





# **Logistics news**

To get news on mapped logistics nodes as available on the platform

Below are details of calling method, request parameters and response of the API:

### Request

Method	Endpoint
POST	api/v1.0/logisticsNews

Params (Body)	Values	Required	Comments
mode	String	Yes	Example: Road, Rail, Air, Ocean, Warehousing
Duration	String	Optional	Duration is fixed as 1d, 7d, 30d, 60d, 90d or blank Example: for 7d, API returns data from current date – 7 days
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

### **Body request format:**

```
{
  "mode":"Road, Rail, Air",
  "duration": "90d",
  "offset": 0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes

#### **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
```





}

```
Status
             Response
               "success": true,
               "error": false,
               "message": "OK",
               "status_code": 200,
               "payload": {
                  "total records": 3,
                  "limit": 500,
                  "offset": 0,
                  "mode name invalid": "",
                  "category_data_notprocessed": "",
                  "records": [
                       "mode": "Road",
                       "region": " United Kingdom",
                       "logistics news date": "2023-05-16",
                       "logistics_news_title": " MPs to meet over plan for congested M1 Junction 28",
                       "logistics_news_link": " https://www.bbc.com/news/uk-england-derbyshire-65597356 ",
                       "logistics news desc": " Regional transport body Midlands Connect said it was
             working on plans to improve Junction 28 in Derbyshire. An event at Westminster Hall, chaired by
             Bolsover's Conservative MP Mark Fletcher, is due to be attended by Ashfield MP Lee Anderson,
             as well as businesses and councils.",
200
                       "logistics_news_score": 1
                    },
                       "mode": "Ocean",
                       "region": " Turkey",
                       "logistics news date": "2023-07-02",
                       "logistics news title": " Shipping containers ablaze at earthquake-stricken Turkey's
             Iskenderun Port, operations halted",
                       "logistics_news_link": " https://timesofindia.indiatimes.com/world/middle-east/shipping-
             containers-ablaze-at-earthquake-stricken-turkeys-iskenderun-port-operations-
             halted/articleshow/97702999.cms",
                       "logistics_news_desc": " Hundreds of shipping containers were ablaze at Turkey's
             Iskenderun Port on Tuesday, shutting down operations and forcing freight liners to divert vessels
             to other ports. Turkey's maritime authority said on Monday that the port was damaged due to
             earthquake that struck Turkey and neighbouring Syria",
                       "logistics news score": 4
                    },
                       "mode": " Warehousing",
                       "region": " Europe",
                       "logistics news date": "2023-07-02",
                       "logistics news title": "Logistics Execs See 2023 Recession as "Likely" or "Certain"",
```





## Geographic risk exposures

To get list of top 10 sourcing countries for one or more categories

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	api/v1.0/geographicRiskExposures

Params (Body)	Values	Required	Comments
category	String	Yes	Maximum 500 category with comma separator can be pass to API. Example: CR001, CR002, CR003
Offset	Integer	Optional	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

#### **Body request format:**

```
{
"category":"CR001",
"offset": 0
```





}

Headers	Values	Required
username	String	Yes
password	String	Yes

#### **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

```
Status
             Response
             {
                "success": true,
                "error": false,
                "message": "OK",
                "status_code": 200,
                "payload": {
                  "total_records": 11,
                  "limit": 1000,
                  "offset": 0,
                  "category_invalid": "",
                  "category_data_notprocessed": "",
                  "records": [
                        "category_id": CR001,
                        "category": "IT Services",
200
                        "country": "Ukraine",
                        "PESTLE_score": 4.1875,
                        "sustainability_score": 3,
                       "trend": "down"
                     },
                        "category_id": CR001,
                       "category": "IT Services",
                        "country": "India",
                        "PESTLE_score": 2.9625,
                       "sustainability_score": 5,
                        "trend": "down"
                     },
                        "category_id": CR001,
```





```
"category": "IT Services",
  "country": "United Kingdom",
  "PESTLE_score": 2.4125,
  "sustainability_score": 1,
  "trend": "down"
},
  "category_id": CR001,
  "category": "IT Services",
  "country": "Kuwait",
  "PESTLE_score": 1.975,
  "sustainability_score": 3,
  "trend": "up"
},
  "category_id": CR001,
  "category": "IT Services",
  "country": "United States",
  "PESTLE_score": 1.9375,
  "sustainability_score": 2,
  "trend": "up"
},
  "category_id": CR001,
  "category": "IT Services",
  "country": "England",
  "PESTLE_score": 1.5125,
  "sustainability_score": 1,
  "trend": "up"
},
  "category_id": CR001,
  "category": "IT Services",
  "country": "Scotland",
  "PESTLE score": 1.5125,
  "sustainability_score": 1,
  "trend": "up"
},
  "category_id": CR001,
  "category": "IT Services",
  "country": "Australia",
  "PESTLE_score": 1.1625,
  "sustainability_score": 1,
  "trend": "up"
},
  "category_id": CR001,
  "category": "IT Services",
  "country": "Finland",
  "PESTLE_score": 1.1625,
  "sustainability_score": 1,
```





```
"trend": "up"
                  },
                     "category_id": CR001,
                     "category": "IT Services",
                     "country": "Ireland",
                     "PESTLE_score": 1.1625,
                     "sustainability_score": 2,
                     "trend": "up"
                  }
               ]
             }
          }
             "success": false,
             "error": true,
401
             "message": "Either client does not exist or credential is invalid",
             "status_code": 401,
             "payload": []
          }
```

# **Category risk rating**

To extract one or more categories' risk ratings

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	api/v1.0/categoryRiskRatings

Params (Body)	Values	Required	Comments
Category	String	Yes	Example: CR001, CR002
Duration	String	Optional	Duration is fixed as 1d, 7d, 30d, 60d, 90d or blank Example: for 7d, API returns data from current date – 7 days
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

#### **Body request format:**

{





```
"category":"CR001, CR002",

"duration" : "90d",

"supplier_type" :"Strategic/Managed",

"offset": 0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes

### **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

Status	Response
200	{     "success": true,     "error": false,     "message": "OK",     "status_code": 200,     "payload": {         "total_records": 2,         "limit": 1000,         "offset": 0,         "category_name_invalid": "",         "category_data_notprocessed": "",         "records": [             {





```
"parameters": []
     },
        "sub_risk": "Supply",
        "sub_risk_rating": 2.3,
        "parameters": []
     },
        "sub risk": "Demand",
        "sub_risk_rating": 3.0,
        "parameters": []
     },
        "sub_risk": "Competition",
        "sub_risk_rating": 5.0,
        "parameters": []
        "sub_risk": "Technology",
        "sub_risk_rating": 1.0,
        "parameters": []
     },
        "sub_risk": "Geographic",
        "sub_risk_rating": 1.9,
        "parameters": []
  "date": "2024-04-02"
},
  "category_id": 363,
  "category": "IT Services",
   "category_overall_risk": 2.3,
   "category_sub-risk": [
     {
        "sub_risk": "Scale",
        "sub_risk_rating": 1,
        "parameters": []
     },
        "sub_risk": "Supply",
        "sub_risk_rating": 1.7,
        "parameters": []
     },
        "sub_risk": "Demand",
        "sub_risk_rating": 3,
        "parameters": []
     },
        "sub_risk": "Competition",
```





```
"sub_risk_rating": 3,
                          "parameters": []
                          "sub_risk": "Technology",
                          "sub_risk_rating": 3,
                          "parameters": []
                       },
                          "sub_risk": "Geographic",
                          "sub_risk_rating": 1.9,
                          "parameters": []
                       }
                     "date": "2024-04-01"
                  }
               ]
             }
          }
             "success": false,
             "error": true,
401
             "message": "Either client does not exist or credential is invalid",
             "status_code": 401,
             "payload": []
          }
```

# Top trending themes and topics

To extract top 10 risk themes for one or more categories

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint	
POST	api/v1.0/categoryTopicsConcern	

Params (Body)	Values	Required	Comments
category	String	Yes	Example: CR001, CR002, CR003
news_type	String	No	Example: All or Premium or Blank
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records





### **Body request format:**

```
{
   "category":"CR001",
   "news_type": "All",
   "offset": 0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes

### **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

Status	Response
200	<pre>"success": true, "error": false, "message": "OK", "status_code": 200, "payload": {     "total_records": 8,     "limit": 10,     "offset": 0,     "category_name_invalid": "",     "category_data_notprocessed": "",     "records": [       {</pre>





```
},
          "category_id": CR001,
          "category": "IT Services",
          "sub_risk": "Others",
          "theme": "Supplier operations",
          "hot topics": "IT Services, Semiconductor Chips and Electronic
Components, Semiconductors",
          "trend": "up"
       },
          "category_id": CR001,
          "category": "IT Services",
          "sub_risk": "Others",
          "theme": "Trade events",
          "hot topics": "IT Services, Semiconductor Chips and Electronic
Components, Semiconductors",
          "trend": "up"
       },
          "category_id": CR001,
          "category": "IT Services",
          "sub risk": "Supply",
          "theme": "Labour rate & supply",
         "hot topics": "IT Services, Semiconductor Chips and Electronic
Components, Semiconductors",
          "trend": "up"
       },
          "category_id": CR001,
          "category": "IT Services",
          "sub_risk": "Supply",
          "theme": "Market competition",
          "hot_topics": "Cloud,IT Services,Semiconductor Chips and Electronic Components",
          "trend": "down"
       },
          "category_id": CR001,
          "category": "IT Services",
          "sub_risk": "Supply",
         "theme": "Material price & supply",
          "hot topics": "Cloud, Copper, Enterprise Hardware, Hardware - End User Computing, IT
Services, Semiconductor Chips and Electronic Components, Semiconductors, Software, Soybean
Feedstock, Telecommunications",
          "trend": "down"
       },
          "category_id": CR001,
          "category": "IT Services",
          "sub_risk": "Supply",
          "theme": "Supplier operations",
          "hot_topics": "IT Services, Pulp, Semiconductor Chips and Electronic Components",
```





```
"trend": "up"
                 },
                    "category_id": CR001,
                    "category": "IT Services",
                    "sub_risk": "Supply",
                    "theme": "Trade events",
                    "hot_topics": "Cloud,Copper,Enterprise Hardware,IT Services,Semiconductor Chips
          and Electronic Components, Semiconductors, Telecommunications",
                    "trend": "up"
               ]
            }
          }
             "success": false,
             "error": true,
401
             "message": "Either client does not exist, or credential is invalid",
             "status_code": 401,
             "payload": []
          }
```

## **Supplier rating updates**

To get details on suppliers for which ratings have changed on the platform

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint		
POST	api/v1.0/supplierRatingUpdates		

Params (Body)	Values	Required	Comments
Duration	String	Optional	Duration is fixed as 7d, 30d, 60d, 90d or blank Example: for 7d, API returns data from current date – 7 days
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

#### **Body request format:**

```
{
"duration":"7d",
```





```
"offset": 0
```

}

Headers	Values	Required
username	String	Yes
password	String	Yes

#### **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

```
Status
             Response
             {
                "success": true,
               "error": false,
                "message": "OK",
                "status_code": 200,
               "payload": {
                  "total_records": 3,
                  "limit": 2000,
                  "offset": 0,
                  "records": [
                      "supplier_code": "SR001",
                      "supplier_name": "SR00001",
200
                      "supplier_type": "Strategic"
                    },
                      "supplier_code": "SR002",
                      "supplier name": "SR00002",
                      "supplier_type": "Bottleneck"
                    },
                    {
                       "supplier_code": "SR003",
                       "supplier_name": "SR00003",
                       "supplier_type": "Others"
                    },
                  ]
```





	} }
401	<pre>{   "success": false,   "error": true,   "message": "Either client does not exist, or credential is invalid",   "status_code": 401,   "payload": [] }</pre>

# **Category rating updates**

To get details on categories for which ratings have changed on the platform

Below are details of calling method, request parameters and response of the API:

### Request

Method	Endpoint	
POST	api/v1.0/categoryRatingUpdates	

Params (Body)	Values	Required	Comments
Duration	String	Optional	Duration is fixed as 7d, 30d, 60d, 90d or blank Example: for 7d, API returns data from current date – 7 days
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

### **Body request format:**

```
{
    "duration":"7d",
    "offset": 0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes





#### **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

```
Status
             Response
             {
               "success": true,
               "error": false,
               "message": "OK",
               "status_code": 200,
               "payload": {
                  "total_records": 6,
                  "limit": 2000,
                  "offset": 0,
                  "records": [
                       "category_id": CR001,
                       "category_name": "Accounting"
                    },
                       "category_id": CR002,
                       "category_name": "API"
                    },
200
                       "category_id": CR003,
                       "category_name": "Biologics"
                    },
                       "category_id": CR004,
                       "category_name": "Fastners"
                    },
                       "category_id": CR005,
                       "category_name": "CMO"
                    },
                       "category_id": CR006,
                       "category_name": "IT Services"
                    },
                  ]
               }
             }
```





```
{
    "success": false,
    "error": true,
    "message": "Either client does not exist, or credential is invalid",
    "status_code": 401,
    "payload": []
}
```

# **Country rating updates**

To get details on country for which ratings have changed on the platform

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint	
POST	api/v1.0/countryRatingUpdates	

Params (Body)	Values	Required	Comments
Duration	String	Optional	Duration is fixed as 7d, 30d, 60d, 90d or blank Example: for 7d, API returns data from current date – 7 days
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

#### **Body request format:**

```
{
    "duration":"7d",
    "offset": 0
}
```

Headers	Values	Required
username	String	Yes
password	String	Yes

#### **Headers request format:**

{





```
"username": "xyz@wns.com",

"password": "xyz",

"Content-Type": "application/json"
}
```

#### Response

Status	Response
200	<pre>{     "success": true,     "error": false,     "message": "OK",     "status_code": 200,     "payload": {         "total_records": 2,         "limit": 2000,         "offset": 0,         "records": [             {</pre>
401	<pre>"success": false,   "error": true,   "message": "Either client does not exist, or credential is invalid",   "status_code": 401,   "payload": [] }</pre>

# **Supplier Master**

To get the details of all the on-boarded suppliers.

Below are details of calling method, request parameters and response of the API:

#### Request





POST	api/v1.0/allSuppliersDetails
------	------------------------------

Params (Body)	Values	Required	Comments
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

### **Body request format:**

{
 "offset": 0
}

Headers	Values	Required
username	String	Yes
Password	String	Yes

## **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

Status	Response
200	{   "success": true,   "error": false,   "message": "OK",   "status_code": 200,  "payload": {   "total_records": 3,   "limit": 2000,





```
"offset": 0,
             "records": [
                    "supplier_code": "SR001",
                   "supplier_name": "SR00001",
                   "supplier_type": "Strategic"
                 },
                   "supplier_code": "SR002",
                   "supplier_name": "SR00002",
                   "supplier_type": "Bottleneck"
                 },
                 {
                    "supplier_code": "SR003",
                    "supplier_name": "SR00003",
                    "supplier_type": "Others"
              ]
            }
          }
          {
             "success": false,
            "error": true,
401
            "message": "Either client does not exist, or credential is invalid",
             "status code": 401,
             "payload": []
          }
```

# **Category Master**

To get the details of all the on-boarded categories.

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint	
POST	api/v1.0/allCategoryDetails	

Params (Body)	Values	Required	Comments
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

### **Body request format:**

{





```
"offset": 0
```

}

Headers	Values	Required
Username	String	Yes
Password	String	Yes

#### **Headers request format:**

```
{
"username": "xyz@wns.com",
"password": "xyz",
"Content-Type": "application/json"
}
```

```
Status
             Response
              "success": true,
              "error": false,
              "message": "OK",
              "status_code": 200,
              "payload": {
                 "total_records": 3,
                 "limit": 2000,
                 "offset": 0,
                 "records": [
                    {
                         "category_id": CR001,
200
                         "category_name": "Accounting"
                    },
                         "category_id": CR002,
                         "category_name": "API"
                    },
                         "category_id": CR003,
                         "category_name": "Biologics"
                    }
                 ]
               }
             }
```





```
"success": false,
    "error": true,

401    "message": "Either client does not exist, or credential is invalid",
    "status_code": 401,
    "payload": []
}
```

# **Country Master**

To get the details of all the on-boarded countries.

Below are details of calling method, request parameters and response of the API:

#### Request

Method	Endpoint
POST	api/v1.0/allCountryDetails

Params (Body)	Values	Required	Comments
Offset	Integer	No	Offset: 0: The records on the first page, i.e., 1 to 500 records Offset: 1: The records on the second page, i.e., 501 to 1000 records

#### **Body request format:**

```
{
    "offset": 0
}
```

Headers	Values	Required
Username	String	Yes
Password	String	Yes

#### **Headers request format:**

```
{
"username": "xyz@wns.com",

"password": "xyz",

"Content-Type": "application/json"
}
```





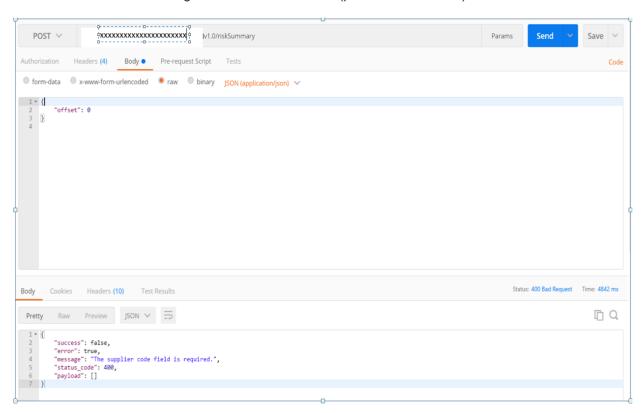
```
Status
             Response
              "success": true,
              "error": false,
               "message": "OK",
              "status_code": 200,
               "payload": {
                      "total_records": 3,
                      "limit": 2000,
                      "offset": 0,
                      "records": [
                       {
                              "country_id": CU001,
200
                              "country_name": "Brazil"
                       },
                              "country_id": CU002,
                              "country_name": "United States"
                       },
                              "country_id": CU003,
                              "country_name": "India"
                       }
                     ]
                 }
             }
             {
                "success": false,
                "error": true,
   401
                "message": "Either client does not exist, or credential is invalid",
                "status code": 401,
                "payload": []
             }
```





# Validations and error-handling

Validations and Error-Handing have been shown below (postman screenshot):



# **Supplier codes**

To fetch data for multiple suppliers, all Client Supplier Codes are returned with every call response in the form of a mandatory resource. There can be up to 500 Supplier Codes.

Example of returned Supplier Codes (returned with response):

```
"success": true,
"erron": false,
"message": OCT,
"status_code": 200,
"payload": {
    "total_records": 45,
    "inist": 500,
    "offset": 0,
    "supplier_data_unavailable": "",
    "supplier_data_unavailable": "",
    "supplier_code": "112377,
    "client_category: "Client Category 13 Sample Text
    "supplier_code": "112377,
    "client_category: "Client Category 13 Sample Text
    "supclier_country": "India",
    "supplier_code": "112377,
    "financial_risk": "3.4",
    "operational_risk": "3.4",
    "operational_risk": "1,4",
    "tother_risk": "MA,
    "date": "2022-02-09"
    "supplier_code": "112377,
    "client_category: "Client Category 13 Sample Text
    "supplier_code": "112377,
    "client_category: "Client Category 13 Sample Text
    "supplier_code": "112377,
    "client_category: "Client Category 13 Sample Text
    "supplier_code": "112377,
    "financial_risk": "3.4",
    "supplier_code": "112377,
    "financial_risk": "3.4",
    "gourcing_country": "India",
    "supplier_code": "112377,
    "client_country": "India",
    "supplier_code": "112377,
    "client_country": "1047,
    "gourcing_country": "1047,
    "gourcin
```





# Response code and message

Response Code	Use Case	Response Message
200: OK	The request was successful	Requested data has been successfully returned
	The request cannot be processed due to a bad syntax	Invalid Json format supplied
	Missing Mandatory Data	i.e., the supplier code field is required
400: Bad Request	Wrong attribute format (not the specified type)	i.e., the offset must be a number
	Maximum number of requests in a single method call exceeded	N/A
	Maximum number of permissible input exceeded	i.e., the supplier limit 500 exhausted
401: Unauthorized	Correct Authentication has not been provided	Either client does not exist or credential is invalid
404: Not Found	The server has not found any data matching with the request or wrong URL entered	The server has not found any data matching with the request
405: Method Not allowed	Using the wrong method	Using POST instead of GET. Not possible as this method is read-only
429: Too many requests	Method call limitation exceeded	
500: Internal Server Error	The server encountered an unexpected condition which prevented it from fulfilling the request	Request not fulfilled because of an internal error
502: Bad Gateway	The server, while acting as a gateway or proxy, received an invalid response from the upstream server it accessed in attempting to fulfil the request	Error in the database, not in the REST API
503: Service Unavailable	The server is currently unable to handle the request due to a temporary overloading or maintenance of the server. The implication is that this is a temporary condition which will be alleviated after some delay	
505: HTTP Version not supported	The server does not support or refuses to support the HTTP protocol version that was used in the request message	The HTTP version used by the Client is not supported by the REST API





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