

1. INTRODUCTION.

1.1 Purpose

The purpose of this document is to provide guidelines and procedures for testing the Self Hosted Yente API.

1.2 Scope

This document aims to detail the testing procedures for the Yente API, with a specific focus on functional testing aspects. It provides comprehensive coverage of testing parameters and considerations post retrieval of details from the API.

1.3 Audience

- Developers
- Project Managers

2. OVERVIEW OF YENTE API.

2.1 What is YENTE API?

The Yente API provides endpoints that help you determine if any of the people or companies mentioned in your data are subject to international sanctions, known to be involved in criminal activity, or if they are politically exposed people.

Match URLs:

1. <http://localhost:8000/match/sanctions?algorithm=best&fuzzy=false>.
2. <http://localhost:8000/match/sanctions?algorithm=best&threshold=0.7>
3. <http://localhost:8000/match/sanctions?algorithm=best&limit=1>
4. <http://localhost:8000/match/sanctions?algorithm=best&cutoff=0.5>

EntityId Search Url:

<http://localhost:8000/entities/> {Id returned on match Api}

Threshold scoring mechanism

URL: <http://localhost:8000/match/sanctions?algorithm=best&threshold=0.7>

The threshold is basically a cut-off point or a minimum score that a result needs to meet in order to be considered a match.

For example, if you're searching for something and the algorithm gives a score of 1-10 to each potential match, you might set the threshold at 7.

This means that only the results that score 7 or higher would be considered valid matches.

Note: its advisable to use a Threshold of 0.7 which signifies 70% to produce a match that returns true above the stated threshold.

Limit scoring Mechanism

URL: <http://localhost:8000/match/sanctions?algorithm=best&limit=1>

The limit mechanism is used to cap the maximum number of results returned, which is important when working with a de-duplicated dataset like Open Sanctions where there's typically just a single matching record per query.

Note: For limit scoring, it is advisable to use a limit of 5 to return any 5 matches for this dataset.

Cut-Off Scoring mechanism

URL: <http://localhost:8000/match/sanctions?algorithm=best&cutoff=0.5>

The cut-off is the minimum score that a result needs to have in order to be returned by the API. It's like a threshold or a lower bound.

In the case you described, the scoring system is ranking the potential matches, and the cut-off determines which of those ranked results will actually be shown.

By lowering the cut-off, you'll see more candidates that may have been "down-ranked" by the scoring system. In other words, you'll get to see a wider range of potential matches, including some that didn't score as highly.

2.2 Authentication

- The API uses JSON for data transfer and does not support authentication or access control.

3. TEST CASES.

3.1 Functional Test Cases

3.1.1 Retrieve Details of the Individual using the name.

- **Test Case:** Retrieve Match of individual details.
 - **Steps:** Send POST request to
 - `/match/sanctions?algorithm=best&fuzzy=false`
 - `/match/sanctions?algorithm=best&cutoff=0.5`
 - `/match/sanctions?algorithm=best&threshold=0.7`
 - `/match/sanctions?algorithm=best&limit=1`
 - **Expected Result:** Receive data matching the individual details.
- **Test Case 2:** Entity Id Search using Id returned from the Match Api.
 - **Steps:** Send GET request to
 - `/entities/{id returned on match api request}`
 - **Expected Result:** Receive data of individual entity Id queried.

4. CONSIDERED PARAMETERS.

Request Parameters	Required
Name (string)	Yes
Date of Birth (string)	No

Response Parameters	Required
Entity Id (string)	No (Unique Identifier of the Individual)
Match (bool)	Yes (Verifies that the individual is sanctioned)

Request Parameters	Required
Entity Id (string)	Yes

Match Api Request Body Person entity:

```
{
  "queries": {
    "q1": {
      "schema": "Person",
      "properties": {
        "name": [
          "ABDUL RAUF KHADEM"
        ],
        "birthdate": [
          ""
        ]
      }
    }
  }
}
```

Match Api Request Body Company entity:

```
{
  "queries": {
    "q1": {
      "schema": "Company",
      "properties": {
        "name": [
          "REPAIR PLANT OF ROCKET AND ARTILLERY WEAPONS"
        ],
        "jurisdiction": [
          ""
        ]
      }
    }
  }
}
```

Entity Api Request Url:

<http://localhost:8000/entities/Q60467181>

SANCTIONED INDIVIDUAL.

Image Request:

```
{
  "queries": {
    "q1": {
      "schema": "Person",
      "properties": {
        "name": [
          "Anita Among"
        ],
        "birthDate": [
          ""
        ]
      }
    }
  }
}
```

Image Response:

```
    "referents": [
      "evpo-6a925516-82f8-45f7-a69b-059083e25fc2",
      "gb-hmt-16490",
      "gb-fcdo-gac0047",
      "NK-htkRf9qa3bqrVKiR7ibfzV"
    ],
    "target": true,
    "first_seen": "2019-05-21T00:00:00",
    "last_seen": "2024-06-14T18:40:04",
    "last_change": "2024-05-31T00:47:02",
    "score": 1,
    "features": {
      "name_literal_match": 1,
      "person_name_jaro_winkler": 1,
      "person_name_phonetic_match": 1
    },
    "match": true
  }
},
"total": {
  "value": 317,
  "relation": "eq"
},
"query": {
  "id": null,
  "schema": "Person",
  "properties": {
    "name": [
      "Anita Among"
    ]
  }
}
```

Image Response on querying Entity Id:

```
"id": "Q60467181",
"caption": "Anita Annet Among",
"schema": "Person",
"properties": {
  "firstName": [
    "Anita",
    "Annet"
  ],
  "lastName": [
    "Among"
  ],
  "position": [
    "Speaker of the Ugandan Parliament",
    "Member of the Parliament of Uganda",
    "member of parliament",
    "Speaker of the Ugandan Parliament and Member of Parliament for Bukedea District",
    "speaker",
    "Parliament (member, 2016-)"
  ],
  "country": [
    "ug"
  ],
  "secondName": [
    "Annet"
  ],
  "gender": [
    "female"
  ],
  "topics": [
```


NON-SANCTIONED INDIVIDUAL.

Image Request:

```
{
  "queries": {
    "q1": {
      "schema": "Person",
      "properties": {
        "name": [
          "Ahmed Mabirizi"
        ],
        "birthDate": [
          ""
        ]
      }
    }
  }
}
```

Image Response:

```
"responses": {
  "q1": {
    "status": 200,
    "results": [],
    "total": {
      "value": 513,
      "relation": "eq"
    },
  },
  "query": {
    "id": null,
    "schema": "Person",
    "properties": {
      "name": [
        "Ahmed Mabirizi"
      ]
    }
  }
},
},
"matcher": {
  "name_literal_match": {
    "description": "Two entities have the same name, without normalization applied to the name.",
    "coefficient": 1,
    "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L116"
  },
  "person_name_jaro_winkler": {
    "description": "Compare two persons' names using the Jaro-Winkler string similarity algorithm.",
    "coefficient": 0.5,
  }
}
```

Threshold Response: (used a threshold of 1.0 and it returned all matches that are 1.0 and above which in the end signifies all of them as true matches)

```
{
  "responses": {
    "q1": {
      "status": 200,
      "results": [
        {
          "id": "NK-9t53iSpXNmGBh3dc59JJqC",
          "caption": "Ahmad Ballul",
          "schema": "Person",

```

```

"properties": {
  "birthDate": [
    "1954-10-10"
  ],
  "name": [
    "Ahmed Muhammad Ballul",
    "BALLUL, Ahmad",
    "AHMAD MUHAMMAD BALLUL",
    "Ahmed Muhammad Balol",
    "Ahmad Muhammad Balol",
    "Ahmad Ballul",
    "أحمد بلول",
    "Ahmed Balol",
    "Ahmad BALLUL",
    "Ahmad Balol",
    "Ahmed Ballul",
    "Ahmad Muhammad Ballul"
  ],
  "notes": [
    "Operates in the chemical weapons proliferation sector and, as a senior ranking officer of the Syrian Arab Air Force, is responsible for the violent repression of the civilian population, including the use of chemical weapons attacks by the Syrian regime identified in the report of the Joint Investigative Mechanism.",
    "Rank: Major General; Commander of the Syrian Arab Air Force and Air Defence Forces",
    "Last known rank and position - Major General and Commander of the Syrian Air Force and Syrian Arab Air Defense Forces",
    "(also AHMAD BALLUL)",
    "Holds the rank of Major General, a senior officer and Commander of the Syrian Arab Air and Air Defence Forces, in post after May 2011.",
    "officier supérieur et commandant de l'armée de l'air et de la défense aérienne arabes syriennes, portant le grade de général de division - en poste après mai 2011. Opère dans le secteur de la prolifération des armes chimiques et, en sa qualité d'officier supérieur de l'armée de l'air arabe syrienne, est responsable de la répression violente exercée contre la population civile, y compris dans le cadre du recours, par le régime syrien, à des attaques à l'arme chimique, dont il est rendu compte dans le rapport du mécanisme d'enquête conjoint"
  ],
  "lastName": [
    "BALLUL",
    "Balol",
    "Ballul",
    "بالول"
  ],
  "position": [
    "général de division",
    "Holds the rank of Major General, a senior officer and Commander of the Syrian Arab Air and Air Defence Forces, in post after May 2011.",
    "commandant de l'armée de l'air et de la défense aérienne arabes syriennes",

```

```

"Major General, Syrian Air Force and Air Defense Forces
Commander"

],
"title": [
    "Major General"
],
"alias": [
    "Ahmed Muhammad Ballul",
    "Ahmad Balol",
    "أحمد بالول",
    "Ahmed BALLUL",
    "Ahmed Muhammad Balol",
    "Ahmad Muhammad Balol",
    "Balol",
    "Ahmed BALOL",
    "Muhammad",
    "Ahmed Balol",
    "Ahmad Muhammad BALLUL",
    "Ahmed",
    "Ahmed Ballul",
    "Ahmad Muhammad Ballul"
],
"gender": [
    "male"
],
"firstName": [
    "Ahmad",
    "Ahmed",
    "AHMAD MUHAMMAD",
    "أحمد"
],
"createdAt": [
    "2017-02-03"
],
"topics": [
    "sanction",
    "debarment"
],
"sourceUrl": [
    "https://sanctionssearch.ofac.treas.gov/Details.aspx?id=
20959",
    "https://gels-
avoirs.dgtresor.gouv.fr/Gels/RegistreDetail?idRegistre=1444"
],
"secondName": [
    "Muhammad"
],
"nationality": [
    "sy"
],
"country": [

```

```

        "sy"
    ],
    "modifiedAt": [
        "2020-06-26"
    ]
},
"datasets": [
    "be_fod_sanctions",
    "eu_fsf",
    "au_dfat_sanctions",
    "ch_seco_sanctions",
    "ca_dfatd_sema_sanctions",
    "eu_travel_bans",
    "fr_tresor_gels_avoir",
    "gb_fcdo_sanctions",
    "gb_hmt_sanctions",
    "us_sam_exclusions",
    "us_trade_csl",
    "us_ofac_sdn"
],
"referents": [
    "fr-ga-1444",
    "usgsa-s4mr5cztt",
    "eu-tb-logical-111553",
    "gb-hmt-13450",
    "ofac-20959",
    "au-dfat-3294-ahmad-ballul",
    "NK-4FcEPj6wUnM3nCVGJ4JhRg",
    "ca-sema-2-220-sy-ahmad-ballul",
    "eu-fsf-eu-3912-4",
    "ca-sema-syria-2-220",
    "gb-fcdo-syr0070",
    "ch-seco-36103"
],
"target": true,
"first_seen": "2022-04-27T18:12:14",
"last_seen": "2024-06-17T12:43:02",
"last_change": "2024-06-14T06:55:20",
"score": 1.0,
"features": {
    "name_literal_match": 1.0,
    "person_name_jaro_winkler": 1.0,
    "person_name_phonetic_match": 1.0
},
"match": true
},
{
    "id": "NK-QS5gzc5gwTXFLYK5YcNwiU",
    "caption": "Ahmad Kafan",
    "schema": "Person",
    "properties": {

```

```

"modifiedAt": [
    "2020-06-26"
],
"alias": [
    "Ahmed Kafan",
    "Ahmed",
    "أحمد كفان"
],
"name": [
    "Ahmad Kafan",
    "Ahmed Kafan",
    "Ahmad KAFAN",
    "Ahmed KAFAN",
    "أحمد كافان"
],
"topics": [
    "sanction"
],
"lastName": [
    "KAFAN",
    "Kafan",
    "كفان"
],
"firstName": [
    "Ahmad",
    "Ahmed",
    "أحمد",
    "Ahmad "
],
"createdAt": [
    "2012"
],
"position": [
    "Police officer at Idlib central prison",
    "Officier de police à la prison centrale d'Idlib"
],
"sourceUrl": [
    "https://gels-
avours.dgtresor.gouv.fr/Gels/RegistreDetail?idRegistre=2119"
],
"notes": [
    "A participé directement à des actes de tortures pratiqués sur des opposants détenus à la prison centrale d'Idlib.",
    "Worked with listed individuals: Bassam al-Misri and Bassel Bilal.",
    "Police officer at Idlib central prison; has taken part directly in acts of torture of opponents held in Idlib central prison."
],
"gender": [
    "male"
],

```

```

        "country": [
            "sy"
        ],
        "nationality": [
            "sy"
        ]
    },
    "datasets": [
        "be_fod_sanctions",
        "eu_fsf",
        "ch_seco_sanctions",
        "ca_dfatd_sema_sanctions",
        "eu_travel_bans",
        "gb_fcdo_sanctions",
        "gb_hmt_sanctions",
        "fr_tresor_gels_avoir"
    ],
    "referents": [
        "ca-sema-syria-2-150",
        "eu-tb-logical-7085",
        "ch-seco-12667",
        "gb-hmt-12722",
        "NK-9DCDP3aXhHSA2WRuCc5gZw",
        "fr-ga-2119",
        "gb-fcdo-syr0006",
        "eu-fsf-eu-2889-91",
        "ca-sema-2-150-sy-ahmad-kafan"
    ],
    "target": true,
    "first_seen": "2022-07-15T12:18:21",
    "last_seen": "2024-06-17T12:43:02",
    "last_change": "2024-05-09T21:39:15",
    "score": 1.0,
    "features": {
        "name_literal_match": 1.0,
        "person_name_jaro_winkler": 1.0,
        "person_name_phonetic_match": 1.0
    },
    "match": true
},
{
    "id": "NK-A6cK8tE3RoQHSGFqFWLys9",
    "caption": "Ahmad Barqawi",
    "schema": "Person",
    "properties": {
        "addressEntity": [
            "addr-1114775fe49c60b3509bb036e64bfe1fcc86bb63",
            "addr-4da22db08d9a1d3de103ee20826ef6702005c23e",
            "addr-11cf100385d21aea373b93b728f72de4706d055a"
        ],
        "topics": [

```

```

        "sanction",
        "debarment"
    ],
    "lastName": [
        "Barqawi",
        "BARQAWI",
        "al-Barqawi"
    ],
    "country": [
        "ae",
        "sy"
    ],
    "birthPlace": [
        "Damascus, Syria",
        "Damascus, Syrian Arab Republic"
    ],
    "birthCountry": [
        "sy"
    ],
    "weakAlias": [
        "Hamodeh Barqawi"
    ],
    "alias": [
        "BARQAWI",
        "أحمد عبد الله برقأوي",
        ")",
        "Ahmad Abedallah Barqawi",
        "Hamodeh",
        "Ahmad al-Barqawi",
        "AL-BARQAWI",
        "Ahmad",
        "Ahmad Abedallah",
        "Ahmed Barqawi",
        "Ahmad Abed Allah",
        "Ahmed",
        "Ahmad Abed Allah Barqawi"
    ],
    "name": [
        "Ahmad Barqawi",
        "AHMAD BARQAWI",
        "أحمد برقأوي",
        "BARQAWI, Ahmad"
    ],
    "notes": [
        "(also AHMED BARQAWI, AHMAD AL-
        BARQAWI, AHMAD ABEDALLAH BARQAWI, AHMAD ABED ALLAH BARQAWI)",
        "Ahmad Barqawi a Syrian-
        Palestinian businessman who managed a branch of Abdel Karim Group, a company sanctio
        ned by the US, in Jebel Ali, UAE. Barqawi held that position from 16 April 2012 unti
        l his resignation on 4 November 2014. US sanctions were imposed against Ahmad Barqaw
        i on 17 December 2014.",

```


سوري فلسطيني أدار فرع مجموعة عبد الكريم (التي تم حظرها" أمريكيا) في جبل علي - الإمارات ابتداء من ١٦ أبريل ٢٠١٢ وحتى استقالته في ٤ نوفمبر ٢٠١٤ . في ١٧ ديسمبر ٢٠١٤ تم فرض عقوبات أمريكية ضده. فرضت عليه العقوبات الأمريكية في 17/12/ 2014.",

"General Manager of Pangates International Corp Ltd, which acts as an intermediary in the supply of oil to the Syrian regime, and manager of Al Karim Group. Both Pangates International and Al Karim Group have been designated . As General Manager of Pangates and a manager of Pangates' parent company, Al Karim Group, Ahmad Barqawi provides support to, and benefits from the Syrian regime. Given his senior position in Pangates and Al Karim Group, he is also associated with the designated entities Pangates International and Al Karim Group."

```
],
  "gender": [
    "male"
  ],
  "modifiedAt": [
    "2019-12-26"
  ],
  "firstName": [
    "Ahmad",
    "Ahmed",
    "AHMAD"
  ],
  "summary": [
    "Palestinian-Syrian. Managed a branch of Abdel Karim Group (sanctioned by the US) in Jebel Ali, UAE from 16 April 2012 until his resignation on 4 November 2014. Under US sanctions since 17 December 2014.",
```

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```
],
  "birthDate": [
    "1985"
  ],
  "createdAt": [
    "2014-12-23"
  ],
  "position": [
    "General Manager, Pangates International Corp. Ltd.; General Manager, Maxima Middle East Trading Co."
  ],
  "address": [
    "DUBAI, ARE",
    "Dubai"
  ],
  "keywords": [
    "قطاع النفط والغاز",
    "Private sector",
    "قطاع الاقتصاد والصناعة",
    "قطاع خاص",
```

17508"

```
        "Oil and gas sector",
        "Economics and Industry Sector"
    ],
    "sourceUrl": [
        "https://sanctionssearch.ofac.treas.gov/Details.aspx?id=
17508"
    ]
},
"datasets": [
    "sy_obsalytics_opensyr",
    "ch_seco_sanctions",
    "us_sam_exclusions",
    "us_trade_csl",
    "us_ofac_sdn"
],
"referents": [
    "ofac-17508",
    "ch-seco-30640",
    "opensyr-node-1319",
    "usgsa-s4mr4j546"
],
"target": true,
"first_seen": "2023-04-20T10:27:20",
"last_seen": "2024-06-17T12:10:02",
"last_change": "2024-06-14T06:55:20",
"score": 1.0,
"features": {
    "name_literal_match": 1.0,
    "person_name_jaro_winkler": 1.0,
    "person_name_phonetic_match": 1.0
},
"match": true
},
{
    "id": "NK-PWU43vVQrJskXs8gXVkaBH",
    "caption": "Hussam Mohammed al-Katerji",
    "schema": "Person",
    "properties": {
        "lastName": [
            "BIN AHMED RUSHDI AL-QATIRJI",
            "Al QATARJI",
            "Qaterji",
            "Al Qatarji",
            "AL-QATARJI",
            "Qatarji",
            "Al-Katerji",
            "AL QATIRJI",
            "القاطرجي",
            "Khatirji",
            "Katarji",
            "بن أحمد رشدي قاطرجي",

```

```
"al-Katerji",
"Al-Qatirji",
"Bin Ahmed Rushdi Al-Qatirji",
"Katerji",
"قاطرجي بن احمد رشدي",
"Qatirji Bin Ahmed Rushdi",
"Khatarji"
],
"birthDate": [
    "1982-01-11",
    "1982-01-01"
],
"alias": [
    "Hussam Ahmed Al-Qatirji",
    "Muhammad al-Katerji",
    "Mohammed",
    "Hussam KATARJI",
    "Hossam KATERJI",
    "Hussam Khatirji",
    "Hussam Muhammad Al-Qatirji",
    "Hussam Qatirji Bin Ahmed Rushdi",
    "Hussam Bin Ahmed Rushdi Al-Qatirji",
    "Hussam Katerji",
    "Hussam Ahmed Al-Katerji",
    "Hussam AL-QATIRJI",
    "حسام قاطرجي بن احمد رشدي",
    "Hussam al-Katerji",
    "Hossam Qatarji",
    "حسام أحمد رشدي محمد بشير قاطرجي",
    "Hussam Muhammad Al-Katerji",
    "Hossam Al-Qatirji",
    "Hussam Al-Qatirji",
    "Hossam Mohammed Al-Qatirji",
    "Hussam Katarji",
    "Hussam Mohammed Al-Qatirji",
    "Hussam KHATIRJI",
    "Hossam Ahmed Al-Katerji",
    "Hossam Ahmed Al-Qatirji",
    "Hussam QATARJI",
    "QATIRJI BIN AHMED RUSHDI",
    "Hossam",
    "al-Katerji",
    "Hussam Khatarji",
    "Muhammad",
    "Hussam Mohammed Al-Katerji",
    "Hossam Mohammed Al-Katerji",
    "Hossam AL-QATIRJI",
    "Hussam Al-Katerji",
    "Hossam Ahmed al-Katerji",
    "Hussam QATERJI",
    "حسام القاطرجي",
```

```

        "Hussam KHATARJI",
        "Mohammed al-Katerji",
        "Hossam Muhammad Al-Qatirji",
        "حسام أحمد رشدي قاطرجي",
        "Hussam Qaterji",
        "حسام القطرجي",
        "Hossam Muhammad Al-Katerji",
        "Ahmed",
        "Hussam"
    ],
    "secondName": [
        "بن",
        "Ahmed",
        "Muhammad",
        "Mohammed"
    ],
    "position": [
        "PDG de Katerji Group (également connu sous le nom de Al
        Qatarji, Al Qatarji Company/Qatirji Company/Khatirji Group/Katerji International Gr
        oup)",
        "CEO of Katerji Group (a.k.a. Al-Qatarji, al-
        Qatarji Company/Qatirji Company/Khatirji Group/Katerji International Group)",
        "CEO of Katerji Group (a.k.a. al-
        Qatirji Company/Qatirji Company/Khatirji Group/Katerji International Group)"
    ],
    "name": [
        "Hussam Muhammad al-Katerji",
        "Hussam Ahmed Al-Qatirji",
        "Hossam Ahmed Mohammed al-Katerji",
        "HUSSAM BIN AHMED RUSHDI AL-QATIRJI",
        "Muhammad al-Katerji",
        "Hussam Muhammad Al-Qatirji",
        "Hussam Bin Ahmed Rushdi Al-Qatirji",
        "Mohammed Muhammad al-Katerji",
        "Hussam Ahmed Al-Katerji",
        "حسام بن أحمد رشدي قاطرجي",
        "Hussam Mohammed al-Katerji",
        "BIN AHMED RUSHDI AL-QATIRJI, Hussam",
        "Hussam Muhammad Al-Katerji",
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    "notes": [

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"Homme d'affaires influent exerçant ses activités en Syrie, également membre du Parlement syrien. Al Qatarji soutient le régime syrien et en tire avantage, en facilitant la conclusion d'accords commerciaux avec le régime concernant le pétrole et le blé, et en tirant profit de ces accords. Hussam Al Qatarji, avec sa famille, a obtenu une licence pour créer une nouvelle banque, la Banque islamique nationale. Ils ont également acquis une nouvelle cimenterie auprès du gouvernement, à travers l'une de leurs sociétés, NABD Contracting et Construction. Ils se sont également développés dans le secteur du tourisme, créant Arman Hotel et Tourist Management LLC. Ils ont également conclu un accord de coentreprise commune avec le ministère du tourisme ("Bere Aleppo Private JSC"). Hussam Al Qatarji et sa famille dirigent également une milice à Alep. En octobre 2021, la société BS Company for Oil Services de Qaterji a signé avec le régime un accord visant à approvisionner les stations-service en carburant dans les zones contrôlées par le régime.",

"Hossam Katerji (a.k.a Hussam al-Katerji) is a Syrian businessman and member of the People's Assembly since 2016. Along with his brother, Hossam Katerji owns several companies in various sectors, the m

most important of which are those working in oil and its trade and exchange with ISIS and the Kurdish People's Protection Units (YPG). Sources indicate that most of Katerji's companies are affiliated with Rami Makhoul. He oversees and commands a local pro-

Assad militia known as Al Katerji Group. Katerji is a member of the People's Assembly for the 2020 session under the following information: Governorate of birth: Raqqah; Sect: Sunni; Nationality: Arab; Academic degree: Unknown; Profession: Businessman; District: Aleppo; Category: (A) Workers and Peasants; Party: Independent; Member of Previous round: Yes; Heads a militia: Yes; Accused of crimes against humanity: Yes. US sanctions were imposed on Hossam Katerji on 9 November 2020, and EU sanctions on 21 January 2019.",

رجل أعمال وعضو مجلس الشعب منذ ٢٠١٦. يملك مع أخيه عدة شركات في قطاعات متنوعة أهمها العاملة في مجال النفط وتبادل مع داعش وقوات الحماية الكردية. تشير المصادر إلى أن معظم شركاته تتبع لرامي مخلوف. يشرف على إحدى الميلشيات الموالية، وتُعرف باسم "مجموعة القاطرجي". تم فرض عقوبات أمريكية عليه. فرضت عليه العقوبات الأمريكية في 09/11/2020. فرضت عليه العقوبات الأوروبية في 21/01/2019. عضو مجلس الشعب لدورة ٢٠٢٠ ومعلوماته: محافظة الولادة: الرقة، الطائفة: سني، القومية: عربي، الشهادة العلمية غير معروف، المهنة: رجل أعمال، الدائرة: حلب، الفئة: (أ) قطاع عمال وفلاحين، الحزب: م : ستنقل، عضو في دورة سابقة: نعم، يرأس ميليشيا: نعم، متهم بجرائم ضد الإنسانية: نعم شملته 22/01/2019 في "العقوبات البريطانية في"،

"Position: CEO of Katerji Group (a.k.a. Al Qatarji, Al Qatarji Company/Qatirji Company/Khatirji Group/Katerji International Group);",

"Business interests: National Islamic Bank (Syria), Nabd Contracting and Construction; Arman Hotel and Tourist Management LLC; "Bere Aleppo Private JSC", a joint venture with the ministry of tourism; BS Company for Oil Services.",

"Leading businessperson operating in Syria, who is also a Member of the Syrian Parliament. Al Qatarji supports and benefits from the Syrian regime through enabling, and profiting from, trade deals with the regime in relation to oil and wheat.",

"Hussam Al Qatarji, with his family, has secured a license to create a new bank, the National Islamic Bank. They have also acquired a cement plant from the government, through one of their companies, Nabd Contracting and Construction. They also expanded in the tourism sector creating Arman Hotel and Tourist Management LLC. They also entered into a joint venture with the ministry of tourism "Bere Aleppo Private JSC". Hussam Al Qatarji and his family also run a militia in Aleppo. In Oct 2021, Qaterji's BS Company for Oil Services signed a deal with the regime to supply gas stations with fuel in regime held areas."

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        "Businessman and a member of the People's Assembly since 2016. Owns with his brother several companies in various sectors, but primarily operates in the production, trade, and exchange with ISIS and the Kurdish People's Defense Units (YPG). His companies are reported to be affiliated with Rami Makhoulf. Commands a pro-Assad militia known as Al-Katerji Group."
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            "AL-HAMATI, MUHAMMAD",
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            "Ал-Макки, Абу Асим",
            "Muhammad Muhammad Abdullah Al-Ahdal",

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    "Hamdi Mohammad Sadiq Al-
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    "ABU ASIM AL-MAKKI",
    "MOHAMED MOHAMED ABDULLAH AL-AHDAL",
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    "Mohammad Hamdi Mohammad SADIQ AL-AHDAL",
    "Mohammad Hamdi Mohammad Sadiq Al-Ahdal",

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"Abu Asim Al-Makki",
"محمد حمدي محمد صادق الأهدل",
"Muhammad Muhammad Abdullah Al-Ahdal",
"AL-AHDAL, Mohammad Hamdi Mohammad Sadiq",
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"Muhammad Hamdi Sadiq AL-AHDAL"
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    "Responsible for the finances of Al-
Qaida (QDe.004) in Yemen. Accused of involvement in the attack on the USS Cole in 20
00. Arrested in Yemen in Nov. 2003. Sentenced to three years and one month of impris
onment by the specialized criminal court of first instance in Yemen. Released on 25
Dec. 2006 after the completion of his sentence. Review pursuant to Security Council
resolution 1822 (2008) was concluded on 8 Jul. 2010. Review pursuant to Security Cou
ncil resolution 2368 (2017) was concluded on 4 Dec. 2019",
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    "Responsible for the finances of Al-
Qa'ida (QDe.004) in Yemen. Accused of involvement in the attack on the USS Cole in 2
000. Arrested in Yemen in Nov. 2003. Sentenced to three years and one month of impri
sonment by the specialized criminal court of first instance in Yemen. Released on 25
Dec. 2006 after the completion of his sentence. Review pursuant to Security Council
resolution 1822 (2008) was concluded on 8 Jul. 2010. Review pursuant to Security Co
uncil resolution 2368 (2017) was concluded on 4 Dec. 2019. Review pursuant to Securi
ty Council resolution 2610 (2021) was concluded on 30 October 2023.",
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```
    "イエメンにおけるアル・カーイダ（166. に指定した団体）の財務に責任
を有する。2000 年の米国海軍艦船コールに対する攻撃に関与した罪で起訴された。2003 年 11 月イエメンで逮
捕された。イエメンの第一審特別刑事裁判所において懲役 3 年 1 箇月の判決を受けた。刑期を終えて 2006 年 12
月 25 日に釈放された。国連安全保障理事会決議第 1822 号（2008 年）に基づく見直しは 2010 年 7 月 8 日に終
了した。国連安全保障理事会決議第 2368 号（2017 年）に基づく見直しは 2019 年 12 月 4 日に終了した。国連
安全保障理事会決議第 2610 号（2021 年）に基づく見直しは 2023 年 10 月 30 日に終了した。同人に
対するインターポール（国際刑事警察機構）・国連安全保障理事会特別手配書のウェブ・リンク：",
```

```
    "Responsible for the finances of Al-
Qa'ida (QDe.004) in Yemen. Accused of involvement in the attack on the USS Cole in 2
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000. Arrested in Yemen in Nov. 2003. Sentenced to three years and one month of imprisonment by the specialized criminal court of first instance in Yemen. Released on 25 Dec. 2006 after the completion of his sentence. Review pursuant to Security Council resolution 1822 (2008) was concluded on 8 Jul. 2010. Review pursuant to Security Council resolution 2368 (2017) was concluded on 4 Dec. 2019. INTERPOL-UN Security Council Special Notice web link: <https://www.interpol.int/en/How-we-work/Notices/View-UN-Notices-Individuals>.",

"Yemeni passport number 541939 issued in Al-Hudaydah, Yemen, issued on 31 Jul. 2000 in the name of Muhammad Muhammad Abdullah Al-

Ahdal National identification no.: Yemeni identity card number 216040 Responsible for the finances of Al-

Qa'ida (QDe.004) in Yemen. Accused of involvement in the attack on the USS Cole in 2000. Arrested in Yemen in Nov. 2003. Sentenced to three years and one month of imprisonment by the specialized criminal court of first instance in Yemen. Released on 25 Dec. 2006 after the completion of his sentence. Review pursuant to Security Council resolution 1822 (2008) was concluded on 8 Jul. 2010. Review pursuant to Security Council resolution 2368 (2017) was concluded on 4 Dec. 2019. Review pursuant to Security Council resolution 2610 (2021) was concluded on 30 October 2023.",

"Responsible for the finances of Al-

Qa'ida (QE.A.4.01) in Yemen. Accused of involvement in the attack on the USS Cole in 2000. Arrested in Yemen in Nov 2003. Sentenced to three years and one month of imprisonment by the specialized criminal court of first instance in Yemen. Released on 25 Dec 2006 after the completion of his sentence. Review pursuant to Security Council resolution 1822 (2008) was concluded on 8 Jul 2010. Review pursuant to Security Council resolution 2368 (2017) was concluded on 4 Dec 2019. available.",

"Responsible for the finances of Al-

Qa'ida (QDe.004) in Yemen. Accused of involvement in the attack on the USS Cole in 2000. Arrested in Yemen in Nov. 2003. Sentenced to three years and one month of imprisonment by the specialized criminal court of first instance in Yemen. Released on 25 Dec. 2006 after the completion of his sentence. Review pursuant to Security Council resolution 1822 (2008) was concluded on 8 Jul. 2010. Review pursuant to Security Council resolution 2368 (2017) was concluded on 4 Dec. 2019.",

"Nomor Paspor Yemen 541939. Bertanggung jawab atas Keuangan Al-

Qa'ida (QDe.004) di Yaman. Dituduh terlibat dalam serangan terhadap USS Cole pada tahun 2000. Ditangkap Di Yaman pada November 2003. Dihukum tiga tahun dan satu bulan dipenjara oleh pengadilan pidana khusus Contoh pertama di Yaman. Dirilis pada tanggal 25 Desember 2006 setelah selesainya vonisnya. Review sesuai dengan Resolusi Dewan Keamanan 1822 (2008) disimpulkan pada 8 Jul 2010"

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「イエメン旅券 541939 (2000 年 7 月 31 日 Al-Hudaydah, Yemen に
おいて Muhammad Muhammad Abdullah Al-Ahdal の名前に対して発行) 」

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    "name_metaphone_match": {
        "description": "Two entities (person and non-
person) have similar names, using the metaphone\n    algorithm.",
        "coefficient": 0.0,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/phonetic.py#L91"
    },
    "name_soundex_match": {
        "description": "Two entities (person and non-
person) have similar names, using the soundex\n    algorithm.",
        "coefficient": 0.0,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/phonetic.py#L107"
    },
    "address_entity_match": {
        "description": "Two address entities relate to similar addresses.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/addresses.py#L18"
    },
    "crypto_wallet_address": {
        "description": "Two cryptocurrency wallets have the same public key.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L78"
    },
    "isin_security_match": {
        "description": "Two securities have the same ISIN.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L63"
    },
    "lei_code_match": {
        "description": "Two entities have the same Legal Entity Identifier.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L43"
    },
    },

```

```

    "ogrn_code_match": {
        "description": "Two entities have the same Russian company registration
(OGRN) code.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L53"
    },
    "vessel_imo_mmsi_match": {
        "description": "Two vessels have the same IMO or MMSI identifier.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L70"
    },
    "inn_code_match": {
        "description": "Two entities have the same Russian tax identifier (INN).",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L58"
    },
    "bic_code_match": {
        "description": "Two entities have the same SWIFT BIC.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L48"
    },
    "identifier_match": {
        "description": "Two entities have the same tax or registration identifie
r.",
        "coefficient": 0.85,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L105"
    },
    "weak_alias_match": {
        "description": "The query name is exactly the same as a result's weak al
ias.",
        "coefficient": 0.8,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/names.py#L135"
    },
    "country_mismatch": {
        "description": "Both entities are linked to different countries.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/countries.py#L8"
    },
    "last_name_mismatch": {
        "description": "The two persons have different last names.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/names.py#L124"
    }

```



```

    },
    "dob_year_disjoint": {
        "description": "The birth date of the two entities is not the same.",
        "coefficient": -0.15,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/dates.py#L65"
    },
    "dob_day_disjoint": {
        "description": "The birth date of the two entities is not the same.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/dates.py#L48"
    },
    "gender_mismatch": {
        "description": "Both entities have a different gender associated with them.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/gender.py#L7"
    },
    "orgid_disjoint": {
        "description": "Two companies or organizations have different tax identifiers or registration numbers.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L89"
    },
    "numbers_mismatch": {
        "description": "Find numbers in names and addresses and penalise different numbers.",
        "coefficient": -0.1,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/multi.py#L8"
    }
},
"limit": 5
}

```

Limit Response: (Used a Limit of 2 and returned only 2 matches)

```

{
    "responses": {
        "q1": {
            "status": 200,
            "results": [
                {
                    "id": "NK-9t53iSpXNmGBh3dc59JJqC",
                    "caption": "Ahmad Ballul",
                    "schema": "Person",
                    "properties": {

```

```

"birthDate": [
    "1954-10-10"
],
"name": [
    "Ahmed Muhammad Ballul",
    "BALLUL, Ahmad",
    "AHMAD MUHAMMAD BALLUL",
    "Ahmed Muhammad Balol",
    "Ahmad Muhammad Balol",
    "Ahmad Ballul",
    "أحمد بلول",
    "Ahmed Balol",
    "Ahmad BALLUL",
    "Ahmad Balol",
    "Ahmed Ballul",
    "Ahmad Muhammad Ballul"
],
"notes": [
    "Operates in the chemical weapons proliferation sector and, as a senior ranking officer of the Syrian Arab Air Force, is responsible for the violent repression of the civilian population, including the use of chemical weapons attacks by the Syrian regime identified in the report of the Joint Investigative Mechanism.",
    "Rank: Major General; Commander of the Syrian Arab Air Force and Air Defence Forces",
    "Last known rank and position - Major General and Commander of the Syrian Air Force and Syrian Arab Air Defense Forces",
    "(also AHMAD BALLUL)",
    "Holds the rank of Major General, a senior officer and Commander of the Syrian Arab Air and Air Defence Forces, in post after May 2011.",
    "officier supérieur et commandant de l'armée de l'air et de la défense aérienne arabes syriennes, portant le grade de général de division - en poste après mai 2011. Opère dans le secteur de la prolifération des armes chimiques et, en sa qualité d'officier supérieur de l'armée de l'air arabe syrienne, est responsable de la répression violente exercée contre la population civile, y compris dans le cadre du recours, par le régime syrien, à des attaques à l'arme chimique, dont il est rendu compte dans le rapport du mécanisme d'enquête conjoint"
],
"lastName": [
    "BALLUL",
    "Balol",
    "Ballul",
    "بالول"
],
"position": [
    "général de division",
    "Holds the rank of Major General, a senior officer and Commander of the Syrian Arab Air and Air Defence Forces, in post after May 2011.",
    "commandant de l'armée de l'air et de la défense aérienne arabes syriennes",

```

```

"Major General, Syrian Air Force and Air Defense Forces
Commander"

],
"title": [
    "Major General"
],
"alias": [
    "Ahmed Muhammad Ballul",
    "Ahmad Balol",
    "أحمد بالول",
    "Ahmed BALLUL",
    "Ahmed Muhammad Balol",
    "Ahmad Muhammad Balol",
    "Balol",
    "Ahmed BALOL",
    "Muhammad",
    "Ahmed Balol",
    "Ahmad Muhammad BALLUL",
    "Ahmed",
    "Ahmed Ballul",
    "Ahmad Muhammad Ballul"
],
"gender": [
    "male"
],
"firstName": [
    "Ahmad",
    "Ahmed",
    "AHMAD MUHAMMAD",
    "أحمد"
],
"createdAt": [
    "2017-02-03"
],
"topics": [
    "sanction",
    "debarment"
],
"sourceUrl": [
    "https://sanctionssearch.ofac.treas.gov/Details.aspx?id=
20959",
    "https://gels-
avoirs.dgtresor.gouv.fr/Gels/RegistreDetail?idRegistre=1444"
],
"secondName": [
    "Muhammad"
],
"nationality": [
    "sy"
],
"country": [

```

```

        "sy"
    ],
    "modifiedAt": [
        "2020-06-26"
    ]
},
"datasets": [
    "be_fod_sanctions",
    "eu_fsf",
    "au_dfat_sanctions",
    "ch_seco_sanctions",
    "ca_dfatd_sema_sanctions",
    "eu_travel_bans",
    "fr_tresor_gels_avoir",
    "gb_fcdo_sanctions",
    "gb_hmt_sanctions",
    "us_sam_exclusions",
    "us_trade_csl",
    "us_ofac_sdn"
],
"referents": [
    "fr-ga-1444",
    "usgsa-s4mr5cztt",
    "eu-tb-logical-111553",
    "gb-hmt-13450",
    "ofac-20959",
    "au-dfat-3294-ahmad-ballul",
    "NK-4FcEPj6wUnM3nCVGJ4JhRg",
    "ca-sema-2-220-sy-ahmad-ballul",
    "eu-fsf-eu-3912-4",
    "ca-sema-syria-2-220",
    "gb-fcdo-syr0070",
    "ch-seco-36103"
],
"target": true,
"first_seen": "2022-04-27T18:12:14",
"last_seen": "2024-06-17T12:43:02",
"last_change": "2024-06-14T06:55:20",
"score": 1.0,
"features": {
    "name_literal_match": 1.0,
    "person_name_jaro_winkler": 1.0,
    "person_name_phonetic_match": 1.0
},
"match": true
},
{
    "id": "NK-QS5gzc5gwTXFLYK5YcNwiU",
    "caption": "Ahmad Kafan",
    "schema": "Person",
    "properties": {

```

```

"modifiedAt": [
    "2020-06-26"
],
"alias": [
    "Ahmed Kafan",
    "Ahmed",
    "أحمد كفان"
],
"name": [
    "Ahmad Kafan",
    "Ahmed Kafan",
    "Ahmad KAFAN",
    "Ahmed KAFAN",
    "أحمد كافان"
],
"topics": [
    "sanction"
],
"lastName": [
    "KAFAN",
    "Kafan",
    "كفان"
],
"firstName": [
    "Ahmad",
    "Ahmed",
    "أحمد",
    "Ahmad "
],
"createdAt": [
    "2012"
],
"position": [
    "Police officer at Idlib central prison",
    "Officier de police à la prison centrale d'Idlib"
],
"sourceUrl": [
    "https://gels-
avours.dgtresor.gouv.fr/Gels/RegistreDetail?idRegistre=2119"
],
"notes": [
    "A participé directement à des actes de tortures pratiqués sur des opposants détenus à la prison centrale d'Idlib.",
    "Worked with listed individuals: Bassam al-Misri and Bassel Bilal.",
    "Police officer at Idlib central prison; has taken part directly in acts of torture of opponents held in Idlib central prison."
],
"gender": [
    "male"
],

```

```

        "country": [
            "sy"
        ],
        "nationality": [
            "sy"
        ]
    },
    "datasets": [
        "be_fod_sanctions",
        "eu_fsf",
        "ch_seco_sanctions",
        "ca_dfatd_sema_sanctions",
        "eu_travel_bans",
        "gb_fcdo_sanctions",
        "gb_hmt_sanctions",
        "fr_tresor_gels_avoir"
    ],
    "referents": [
        "ca-sema-syria-2-150",
        "eu-tb-logical-7085",
        "ch-seco-12667",
        "gb-hmt-12722",
        "NK-9DCDP3aXhHSA2WRuCc5gZw",
        "fr-ga-2119",
        "gb-fcdo-syr0006",
        "eu-fsf-eu-2889-91",
        "ca-sema-2-150-sy-ahmad-kafan"
    ],
    "target": true,
    "first_seen": "2022-07-15T12:18:21",
    "last_seen": "2024-06-17T12:43:02",
    "last_change": "2024-05-09T21:39:15",
    "score": 1.0,
    "features": {
        "name_literal_match": 1.0,
        "person_name_jaro_winkler": 1.0,
        "person_name_phonetic_match": 1.0
    },
    "match": true
}
],
"total": {
    "value": 532,
    "relation": "eq"
},
"query": {
    "id": null,
    "schema": "Person",
    "properties": {
        "name": [
            "AHMED"
        ]
    }
}

```

```

        ]
    }
}
},
"matcher": {
    "name_literal_match": {
        "description": "Two entities have the same name, without normalization applied to the name.",
        "coefficient": 1.0,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L116"
    },
    "person_name_jaro_winkler": {
        "description": "Compare two persons' names using the Jaro-Winkler string similarity algorithm.",
        "coefficient": 0.8,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L54"
    },
    "person_name_phonetic_match": {
        "description": "Two persons have similar names, using a phonetic algorithm.",
        "coefficient": 0.9,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/phonetic.py#L61"
    },
    "name_fingerprint_levenshtein": {
        "description": "Two non-person entities have similar fingerprinted names. This includes\n    simplifying entity type names (e.g. \"Limited\" -> \"Ltd\") and uses the\n    Damerau-Levenshtein string distance algorithm.",
        "coefficient": 0.9,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L71"
    },
    "name_metaphone_match": {
        "description": "Two entities (person and non-person) have similar names, using the metaphone\n    algorithm.",
        "coefficient": 0.0,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/phonetic.py#L91"
    },
    "name_soundex_match": {
        "description": "Two entities (person and non-person) have similar names, using the soundex\n    algorithm.",
        "coefficient": 0.0,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/phonetic.py#L107"
    },
    "address_entity_match": {

```

```

        "description": "Two address entities relate to similar addresses.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/addresses.py#L18"
    },
    "crypto_wallet_address": {
        "description": "Two cryptocurrency wallets have the same public key.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L78"
    },
    "isin_security_match": {
        "description": "Two securities have the same ISIN.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L63"
    },
    "lei_code_match": {
        "description": "Two entities have the same Legal Entity Identifier.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L43"
    },
    "ogrn_code_match": {
        "description": "Two entities have the same Russian company registration (OGRN) code.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L53"
    },
    "vessel_imo_mmsi_match": {
        "description": "Two vessels have the same IMO or MMSI identifier.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L70"
    },
    "inn_code_match": {
        "description": "Two entities have the same Russian tax identifier (INN).",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L58"
    },
    "bic_code_match": {
        "description": "Two entities have the same SWIFT BIC.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L48"
    },
    "identifier_match": {

```



```

        "description": "Two entities have the same tax or registration identifier.",
        "coefficient": 0.85,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L105"
    },
    "weak_alias_match": {
        "description": "The query name is exactly the same as a result's weak alias.",
        "coefficient": 0.8,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L135"
    },
    "country_mismatch": {
        "description": "Both entities are linked to different countries.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/countries.py#L8"
    },
    "last_name_mismatch": {
        "description": "The two persons have different last names.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L124"
    },
    "dob_year_disjoint": {
        "description": "The birth date of the two entities is not the same.",
        "coefficient": -0.15,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/dates.py#L65"
    },
    "dob_day_disjoint": {
        "description": "The birth date of the two entities is not the same.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/dates.py#L48"
    },
    "gender_mismatch": {
        "description": "Both entities have a different gender associated with them.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/gender.py#L7"
    },
    "orgid_disjoint": {
        "description": "Two companies or organizations have different tax identifiers or registration numbers.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L89"
    },
    },

```

```

        "numbers_mismatch": {
            "description": "Find numbers in names and addresses and penalise different numbers.",
            "coefficient": -0.1,
            "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/multi.py#L8"
        },
        "limit": 2
    }
}

```

Cut-Off Response (Used a cut off of 0.9 and should only return matches that are greater than 0.1)

```

{
    "responses": {
        "q1": {
            "status": 200,
            "results": [],
            "total": {
                "value": 532,
                "relation": "eq"
            },
            "query": {
                "id": null,
                "schema": "Person",
                "properties": {
                    "name": [
                        "AHMED"
                    ]
                }
            }
        },
        "matcher": {
            "name_literal_match": {
                "description": "Two entities have the same name, without normalization applied to the name.",
                "coefficient": 1.0,
                "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L116"
            },
            "person_name_jaro_winkler": {
                "description": "Compare two persons' names using the Jaro-Winkler string similarity algorithm.",
                "coefficient": 0.8,
                "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L54"
            },
            "person_name_phonetic_match": {

```

```

        "description": "Two persons have similar names, using a phonetic algorithm.",
        "coefficient": 0.9,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/phonetic.py#L61"
    },
    "name_fingerprint levenshtein": {
        "description": "Two non-person entities have similar fingerprinted names. This includes\n    simplifying entity type names (e.g. \"Limited\" -> \"Ltd\") and uses the\n    Damerau-Levensthein string distance algorithm.",
        "coefficient": 0.9,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L71"
    },
    "name_metaphone_match": {
        "description": "Two entities (person and non-person) have similar names, using the metaphone\n    algorithm.",
        "coefficient": 0.0,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/phonetic.py#L91"
    },
    "name_soundex_match": {
        "description": "Two entities (person and non-person) have similar names, using the soundex\n    algorithm.",
        "coefficient": 0.0,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/phonetic.py#L107"
    },
    "address_entity_match": {
        "description": "Two address entities relate to similar addresses.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/addresses.py#L18"
    },
    "crypto_wallet_address": {
        "description": "Two cryptocurrency wallets have the same public key.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L78"
    },
    "isin_security_match": {
        "description": "Two securities have the same ISIN.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L63"
    },
    "lei_code_match": {
        "description": "Two entities have the same Legal Entity Identifier.",
        "coefficient": 0.95,

```

```

        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L43"
    },
    "ogrn_code_match": {
        "description": "Two entities have the same Russian company registration
(OGRN) code.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L53"
    },
    "vessel_imo_mmsi_match": {
        "description": "Two vessels have the same IMO or MMSI identifier.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L70"
    },
    "inn_code_match": {
        "description": "Two entities have the same Russian tax identifier (INN).",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L58"
    },
    "bic_code_match": {
        "description": "Two entities have the same SWIFT BIC.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L48"
    },
    "identifier_match": {
        "description": "Two entities have the same tax or registration identifie
r.",
        "coefficient": 0.85,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L105"
    },
    "weak_alias_match": {
        "description": "The query name is exactly the same as a result's weak al
ias.",
        "coefficient": 0.8,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/names.py#L135"
    },
    "country_mismatch": {
        "description": "Both entities are linked to different countries.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/countries.py#L8"
    },
    "last_name_mismatch": {
        "description": "The two persons have different last names.",

```

```

        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L124"
    },
    "dob_year_disjoint": {
        "description": "The birth date of the two entities is not the same.",
        "coefficient": -0.15,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/dates.py#L65"
    },
    "dob_day_disjoint": {
        "description": "The birth date of the two entities is not the same.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/dates.py#L48"
    },
    "gender_mismatch": {
        "description": "Both entities have a different gender associated with them.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/gender.py#L7"
    },
    "orgid_disjoint": {
        "description": "Two companies or organizations have different tax identifiers or registration\n    numbers.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L89"
    },
    "numbers_mismatch": {
        "description": "Find numbers in names and addresses and penalise different numbers.",
        "coefficient": -0.1,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/multi.py#L8"
    }
},
"limit": 5
}

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Fuzzy mechanism (Should return instances of when the match is found regardless of the score it should be true)

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      "status": 200,
      "results": [
        {

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    "caption": "Abdul Samad Achekzai",
    "schema": "Person",
    "properties": {
      "nationality": [
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      ],
      "secondName": [
        "SAMAD",
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        "ACHEKZAI",
        "أجکزي"
      ],
      "country": [
        "pk",
        "af"
      ],
      "notes": [
        "Senior Taliban member responsible for the manufacturing of improvised explosive devices (IED). Involved in recruiting and deploying suicide bombers to conduct attacks in Afghanistan.",
        "Prend part au recrutement et au déploiement de kamikaze s en Afghanistan - membre haut placé des Taliban, a participé à la fabrication d'engins explosifs improvisés et à la gestion du réseau d'appui à ce type d'engins, dont il achetait et stockait les composantes au milieu des années 2010, outre la fabrication de détonateurs et la formation de combattants Taliban dans l'ouest et le sud de l'Afghanistan.",
        "Date of UN designation: 2.3.2012.",
        "簡易爆発物（IED）の製造に責任を有するタリバーンの幹部。アフガニスタンにおける自爆テロ攻撃の要員調達と配備に関与している。",
        "(also ABDUL SAMAD)",
        "Senior Taliban member responsible for the manufacturing of improvised explosive devices (IED).",
        "Senior Taliban member responsible for the manufacturing of improvised explosive devices (IED). Involved in recruiting and deploying suicide bombers to conduct attacks in Afghanistan. INTERPOLUN Security Council Special Notice web link: click here",
        "Senior Taliban member responsible for the manufacturing of improvised explosive devices (IED). Involved in recruiting and deploying suicide bombers to conduct attacks in Afghanistan. INTERPOLUN Security Council Special Notice web link: https://www.interpol.int/en/How-we-work/Notices/View-UN-NoticesIndividuals click here",
        "dob 1970"
      ],
      "position": [
        "Haut dirigeant Taliban responsable de la fabrication d'engins explosifs improvisés"
      ],
      "name": [
        "عبد الصمد أجکزي",
        "Abdul Samad ACHEKZAI",

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        "عبد الصمد أشكزاي",
        "ACHEKZAI, Abdul Samad",
        "ABDUL SAMAD ACHEKZAI",
        "Abdul Samad",
        "アブドウル・サマド・アチャクザイ",
        "Abdul Samad Achekzai",
        "עבד אל צמד אשכזאי"
    ],
    "alias": [
        "Abdul SAMAD",
        "Abdul SAMAN",
        "عبد الصمد اچکزی",
        "Abdul Samad",
        "ABDUL SAMAD",
        "Achekzai عبد الصمد اچکزی"
    ],
    "sourceUrl": [
        "https://sanctionssearch.ofac.treas.gov/Details.aspx?id=13099",
        "https://gels-avoirs.dgtresor.gouv.fr/Gels/RegistreDetail?idRegistre=2806"
    ],
    "weakAlias": [
        "アブドウル・サマド",
        "Abdul Samad"
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    "createdAt": [
        "2012-03-01"
    ],
    "birthDate": [
        "1970"
    ],
    "firstName": [
        "عبد الصمد اچکزی",
        "عبد الصمد",
        "Abdul Samad",
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        "Abdul",
        "ABDUL SAMAD"
    ],
    "topics": [
        "sanction",
        "debarment",
        "crime.terror"
    ],
    "lastName": [
        "ABDUL SAMAD ACHEKZAI",
        "SAMAD",
        "SAMAN",
        "ACHEKZAI"
    ],

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"birthPlace": [
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"fatherName": [
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],
"birthCountry": [
    "af"
],
"modifiedAt": [
    "2021"
],
"address": [
    "Balochistan Province"
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"addressEntity": [
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]
},
"datasets": [
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    "id_dttot",
    "md_terror_sanctions",
    "fr_tresor_gels_avoir",
    "us_ofac_sdn",
    "un_sc_sanctions",
    "ar_repet",
    "za_fic_sanctions",
    "il_mod_terrorists",
    "jp_mof_sanctions",
    "eu_travel_bans",
    "pl_finance_sanctions",
    "gb_hmt_sanctions",
    "us_sam_exclusions",
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    "us_trade_csl",
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    "ch_seco_sanctions",
    "qa_nctc_sanctions"
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    "qa-nctc-2983128-abdul-samad-achekezai",
    "usgsa-s4mr3rldc",
    "fr-ga-2806",
    "gb-fcdo-afg0126",
    "eu-fsf-eu-3611-47",
    "ch-seco-17999",
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        "id-dttot-d63595c451cad1f6ebb1a9da2462f629d3b31a92",
        "md-terr-cb9d3d1b04da6db807cb42e396200476603fca6f",
        "NK-EiwQdbx3t5o7g9NmTr5tuJ",
        "ua-sfms-1161",
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        "unsc-2983128",
        "ja-mof-692bbc7f3fde2457flae350cf5c9afb029ddd41e",
        "NK-WnWDq9ukTNcaCuBKShqSK",
        "arpet-personas-2983128",
        "zafic-40",
        "gb-hmt-12556",
        "ofac-13099",
        "zafic-40-abdul-samad-achekzai",
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        "person_name_jaro_winkler": 1.0,
        "person_name_phonetic_match": 1.0,
        "weak_alias_match": 1.0
    },
    "match": true
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    "caption": "Mati Ur-Rehman Ali Muhammad",
    "schema": "Person",
    "properties": {
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            "Bahawalpur District",
            "Chak number 36/DNB, Rajkan, Madina Colony, Bahawalpur District, Punjab Province, Pakistan.",
            "Chak number 36/DNB, Rajkan, Madina Colony, Bahawalpur District, Punjab Province, PAKISTAN",
            "Chak number 36/DNB, Rajkan, Madina Colony, Bahawalpur District, Punjab Province, Pakistan",
            "Chak n° 36/DNB, Rajkan, Madina Colony, district de Bahawalpur, province du Pendjab",
            "Chak number 36/DNB, Rajkan, Madina Colony, Bahawalpur District, Punjab Province",
            "Chak number 36/DNB, Rajkan, Madina Colony, Pakistan",
            "Chak number 36/DNB, Rajkan, Madina Colony, Bahawalpur District, Punjab Province\nPakistan",
            "Bahawalpur District, Punjab Province, Pakistan"
        ],
    },

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"secondName": [
    "علي محمد",
    "ALI MUHAMMAD",
    "ur",
    "Ur-Rehman",
    "Samad"
],
"name": [
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    "Matiur Rahman",
    "مطيع الرحمن علي محمد",
    "مطيع الرحمن علي محمد",
    "Abdul Samad",
    "مطيع الرحمن علي محمد",
    "Mati UR-REHMAN",
    "Abdul Samad Sial",
    "Ustad Talha",
    "Mati Ur-Rehman Ali Muhammad",
    "MATI UR-REHMAN ALI MUHAMMAD",
    "マティ・ウル・レフマン・アリ・ムハンマド",
    "Mati Ur-Rehman ALI MUHAMMAD",
    "Matti al-Rehman",
    "Mati ur-Rehman ALI MUHAMMAD",
    "UR-REHMAN, Mati",
    "Samad Sial",
    "Matiur Rehman",
    "Mati-ur Rehman",
    "מטיע אלרחמן עלי מחמד",
    "Mati ur Rehman",
    "(مطيع الرحمن علي محمد)",
    "MATI UR-REHMAN",
    "Qari Mushtaq"
],
"alias": [
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    "Matiur RAHMAN",
    "Matiur Rahman",
    "ABDUL SAMAD SIAL",
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    "مطيع الرحمن علي محمد",
    "Abdul Samad",
    "Matti AL-REHMAN",
    "MATTI AL-REHMAN",
    "MATI-UR REHMAN",
    "TARIQ",
    "Abdul Samad Sial",
    "Ustad Talha",
    "Matti al-Rehman",
    "USTAD TALHA",
    "HUSSAIN",
    "Mati ur REHMAN",

```

```

"MATIUR REHMAN",
"Abdul SAMAD",
"Matiur REHMAN",
"مطيع الرحمن على محمد Ali Muhammad",
"Samad SIAL",
"QARI MUSHTAQ",
"MATIUR RAHMAN",
"ABDUL SAMAD",
"Samad Sial",
"Matiur Rehman",
"Mati-ur REHMAN",
"Tariq",
"Mati-ur Rehman",
"مائي الرحمن على محمد",
"MATI UR REHMAN",
"Mati ur Rehman",
"Abdul Samad SIAL",
"Qari Mushtaq"
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"Matiur Rahman",
"アブドウル・サマド",
"ウスタド・タルハ",
"Abdul Samad",
"サマド・シアル",
"Abdul Samad Sial",
"Ustad Talha",
"Hussain)",
"Matti al-Rehman",
"フセイン",
"タリク",
"マテュール・ラフマン",
"Samad Sial",
"カリ・ムシュターク",
"Matiur Rehman",
"Tariq",
"Mati-ur Rehman",
"マッティ・アル・レフマン",
"マテュール・レフマン",
"マティ・ウル・レフマン",
"Mati ur Rehman",
"Qari Mushtaq"
],
"notes": [
"description physique: 157,4 cm. Nom du père: Ali Muhammm

```

ad. Mati ur-

Rehman est le commandant en chef des opérations de Lashkar i Jhangvi (IJ) (QDe.096).

Associé à Harakat-

ul Jihad Islami (QDe.130). Serait décédé. L'examen de l'inscription en application d

e la résolution 2368 (2017) s'est achevé le 24 novembre 2020. La révision prévue par la résolution 2610 (2021) du Conseil de sécurité a été achevée le 8 novembre 2022",

"Physical description: 5 feet 2 inches; 157,4 cm. Name of father: Ali Muhammad. Matir-

Rehman is the chief operational commander of Lashkar i Jhangvi (LJ) (QE.L.96.03.). Associated with Harakat-

ul Jihad Islami (QE.H.130.10). Reportedly deceased. Review pursuant to Security Council resolution 2368 (2017) was concluded on 24 Nov 2020. Review pursuant to Security Council resolution 2610 (2021) was concluded on 8 Nov 2022. available.",

"Physical description: 5 feet 2 inches; 157.4 cm. Name of father: Ali Muhammad. Matir-

Rehman is the chief operational commander of Lashkar i Jhangvi (LJ) (QDe.096). Associated with Harakat-

ul Jihad Islami (QDe.130). Reportedly deceased. Review pursuant to Security Council resolution 2368 (2017) was concluded on 24 November 2020. Review pursuant to Security Council resolution 2610 (2021) was concluded on 8 November 2022.",

"Physical description: 5 feet 2 inches; 157.4 cm. Name of father: Ali Muhammad. Matir-

Rehman is the chief operational commander of Lashkar i Jhangvi (LJ) (QDe.096). Associated with Harakat-

ul Jihad Islami (QDe.130). Reportedly deceased. Review pursuant to Security Council resolution 2368 (2017) was concluded on 24 November 2020. INTERPOL-

UN Security Council Special Notice web link: <https://www.interpol.int/en/How-we-work/Notices/View-UN-Notices-Individuals> click here",

"Physical description: 5 feet 2 inches; 157,4 cm. Name of father: Ali Muhammad. Matir-

Rehman is the chief operational commander of Lashkar i Jhangvi (LJ) (QDe.096). Associated with Harakat-ul Jihad Islami (QDe.130). Reportedly deceased.",

"Physical description: 5 feet 2 inches; 157,4 cm. Name of father: Ali Muhammad. Matir-

Rehman is the chief operational commander of Lashkar i Jhangvi (LJ) (QDe.096). Associated with Harakat-

ul Jihad Islami (QDe.130). Review pursuant to Security Council resolution 2368 (2017) was concluded on 24 November 2020. Reportedly deceased. He was reportedly killed in Afghanistan in 2016.",

"Physical description: 5 feet 2 inches; 157,4 cm. Name of father: Ali Muhammad. Matir-

Rehman is the chief operational commander of Lashkar i Jhangvi (LJ) (QE.L.96.03.). Associated with Harakat-

ul Jihad Islami. Reportedly deceased. Review pursuant to Security Council resolution 2368 (2017) was concluded on 24 November 2020. Review pursuant to Security Council resolution 2610 (2021) was concluded on 8 November 2022.",

"Physical description: 5 feet 2 inches; 157,4 cm; Name of father: Ali Muhammad; Associated with Harakat-

ul Jihad Islami; Reportedly deceased",

"身体的情報：5フィート2インチ、157.4センチメートル。父の名前：アリ・ムハンマド。ラシュカル・イ・ジャングヴィ（LJ）（340. に指定した団体）の作戦司令官長。ハルカトゥル・ジハーデ・イスラミ（575. に指定した団体）と関係がある。死亡したと報告されている。国連安全保障理事会決議第2368号（2017年）に基づく見直しは2020年11月24日に終了した。国連安全保障理事会決議第2610号（2021年）に基づく見直しは2022年11月8日に終了した。同人に対するインターポール（国際刑事警察機構）・国連安全保障理事会特別手配書のウェブ・リンク：",

"Pakistani terrorist",
"Tinggi 157,4 cm Nama ayah: Ali Muhammad. Komandan operasional utama Lashkar i Jhangvi (LJ) (QDe.096). Terkait dengan Harakat-ul Jihad Islami. Tahun lahir 1977"

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],  
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  "Mati ur-Rehman",  
  "مطيع الرحمن علي محمد",  
  "Abdul Samad",  
  "Ustad",  
  "Abdul Samad Sial",  
  "Ustad Talha",  
  "مطيع الرحمن",  
  "Mati ur",  
  "Matti al-Rehman",  
  "Samad",  
  "Qari",  
  "Samad Sial",  
  "Matiur Rehman",  
  "Mati Ur-Rehman",  
  "Mati-ur",  
  "Mati-ur Rehman",  
  "Mati ur Rehman",  
  "Abdul",  
  "MATI UR-REHMAN",  
  "Qari Mushtaq",  
  "Matti"  
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  "1977"  
],  
"modifiedAt": [  
  "2023-12-21"  
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  "Tariq",  
  "al-Rehman",  
  "Hussain",  
  "ALI MUHAMMAD ",  
  "SAMAD",  
  "Rahman",  
  "ALI MUHAMMAD",  
  "AL-REHMAN",  
  "UR-REHMAN",  
  "Samad",  
  "Mushtaq",  
  "REHMAN",
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        "Sial",
        "RAHMAN"
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        "pk"
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        "pk"
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        "crime.terror"
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    "gender": [
        "male"
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        "Mati ur-
Rehman is the chief operational commander of Lashkar i Jhangvi"
    ],
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        "https://sanctionssearch.ofac.treas.gov/Details.aspx?id=
12403",
        "https://gels-
avoirs.dgtresor.gouv.fr/Gels/RegistreDetail?idRegistre=2775"
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    "fatherName": [
        "Ali Muhammad"
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},
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    "eu_fsf",
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    "id_dttot",
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    "fr_tresor_gels_avoir",

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        "ar_repet",
        "za_fic_sanctions",
        "il_mod_terrorists",
        "jp_mof_sanctions",
        "eu_travel_bans",
        "pl_finance_sanctions",
        "gb_hmt_sanctions",
        "ua_sfms_blacklist",
        "us_trade_csl",
        "au_dfat_sanctions",
        "ch_seco_sanctions",
        "wikidata",
        "qa_nctc_sanctions"
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        "zafic-192",
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        "ch-seco-14298",
        "arpet-personas-2973988",
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        "zafic-192-mati-ur-rehman-ali-muhammad",
        "eu-tb-logical-6515",
        "ofac-12403",
        "NK-ajkEuQkvFgfMpWXMVRvL3b",
        "unsc-2973988",
        "ua-sfms-1141",
        "au-dfat-1274-mati-ur-rehman-ali-muhammad",
        "qa-nctc-2973988-mati-ur-rehman-ali-muhammad",
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    "last_change": "2024-05-30T17:05:03",
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        "person_name_phonetic_match": 1.0,
        "weak_alias_match": 1.0
    },
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  "schema": "Person",
  "properties": {
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    "alias": [
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      "Samad Sani"
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      "ABDUL SAMAD",
      "Samad",
      "Mullah Samad"
    ],
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    ],
    "weakAlias": [
      "Haji Nika Ishaqzai",
      "Haji Salani",
      "Haji Nika"
    ],
    "name": [
      "ABDUL SAMAD SANI",
      "Abdul Samad Sani",
      "SANI, Abdul Samad"
    ],
    "address": [
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      "QUETTA, PAK"
    ],
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      "SANI"
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      "af"
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    "birthDate": [
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      "1962"
    ],
    "country": [
      "pk"
    ],
    "topics": [
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        "sanction",
        "debarment"
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Temor, Maiwand District, Kandahar Province, Afghanistan"
    ],
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23631"
    ]
},
"datasets": [
    "us_trade_csl",
    "us_sam_exclusions",
    "us_ofac_sdn"
],
"referents": [
    "ofac-23631",
    "usgsa-s4mr6hj32"
],
"target": true,
"first_seen": "2023-04-20T10:27:20",
"last_seen": "2024-06-17T12:10:02",
"last_change": "2024-06-14T06:55:20",
"score": 0.9,
"features": {
    "person_name_jaro_winkler": 1.0,
    "person_name_phonetic_match": 1.0
},
"match": true
},
{
    "id": "sgtfs-zd-megat-shahdan-bin-abdul-samad",
    "caption": "Megat Shahdan bin Abdul Samad",
    "schema": "Person",
    "properties": {
        "nationality": [
            "sg"
        ],
        "birthDate": [
            "1978-08-29"
        ],
        "name": [
            "Megat Shahdan bin Abdul Samad"
        ],
        "topics": [
            "sanction"
        ]
    }
}
```

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    ],
    },
    "datasets": [
        "sg_terrorists"
    ],
    "referents": [],
    "target": true,
    "first_seen": "2023-04-20T17:44:18",
    "last_seen": "2024-06-17T09:21:05",
    "last_change": "2023-04-20T17:44:18",
    "score": 0.9,
    "features": {
        "person_name_jaro_winkler": 1.0,
        "person_name_phonetic_match": 1.0
    },
    "match": true
},
{
    "id": "omnio-b920f47def43067067bff7fe8739ac0a6e3e048d",
    "caption": "Mullah Abdul Samad Khaksar",
    "schema": "Person",
    "properties": {
        "topics": [
            "sanction"
        ],
        "lastName": [
            "Khaksar",
            "Хакзар"
        ],
        "firstName": [
            "Молла ",
            "Mullah"
        ],
        "secondName": [
            "Abdul Samad",
            "Абдул Самад"
        ],
        "position": [
            "зам.-
министър на вътрешните работи по въпросите на сигурността",
            "Deputy Security Minister of Interior Affairs"
        ],
        "name": [
            "Mullah Abdul Samad Khaksar"
        ],
        "notes": [
            "Deputy Security Minister of Interior Affairs"
        ],
        "sourceUrl": [
            "https://www.dans.bg/images/stories/FID/Reshenie_265_MS_
23042003_Spisyk_ZMFT.pdf"

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        ],
        "alias": [
            "Молла Абдул Самад Хакзар"
        ]
    },
    "datasets": [
        "bg_omnio_poi"
    ],
    "referents": [],
    "target": true,
    "first_seen": "2023-04-20T16:21:24",
    "last_seen": "2024-06-17T12:47:04",
    "last_change": "2024-03-19T19:43:02",
    "score": 0.9,
    "features": {
        "person_name_jaro_winkler": 1.0,
        "person_name_phonetic_match": 1.0
    },
    "match": true
}
},
"total": {
    "value": 579,
    "relation": "eq"
},
"query": {
    "id": null,
    "schema": "Person",
    "properties": {
        "name": [
            "ABDUL SAMAD"
        ]
    }
}
}
},
"matcher": {
    "name_literal_match": {
        "description": "Two entities have the same name, without normalization applied to the name.",
        "coefficient": 1.0,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L116"
    },
    "person_name_jaro_winkler": {
        "description": "Compare two persons' names using the Jaro-Winkler string similarity algorithm.",
        "coefficient": 0.8,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L54"
    },
}

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    "person_name_phonetic_match": {
        "description": "Two persons have similar names, using a phonetic algorithm.",
        "coefficient": 0.9,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/phonetic.py#L61"
    },
    "name_fingerprint_levenshtein": {
        "description": "Two non-person entities have similar fingerprinted names. This includes\n    simplifying entity type names (e.g. \"Limited\" -> \"Ltd\") and uses the\n    Damerau-Levenshtein string distance algorithm.",
        "coefficient": 0.9,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L71"
    },
    "name_metaphone_match": {
        "description": "Two entities (person and non-person) have similar names, using the metaphone\n    algorithm.",
        "coefficient": 0.0,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/phonetic.py#L91"
    },
    "name_soundex_match": {
        "description": "Two entities (person and non-person) have similar names, using the soundex\n    algorithm.",
        "coefficient": 0.0,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/phonetic.py#L107"
    },
    "address_entity_match": {
        "description": "Two address entities relate to similar addresses.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/addresses.py#L18"
    },
    "crypto_wallet_address": {
        "description": "Two cryptocurrency wallets have the same public key.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L78"
    },
    "isin_security_match": {
        "description": "Two securities have the same ISIN.",
        "coefficient": 0.98,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L63"
    },
    "lei_code_match": {
        "description": "Two entities have the same Legal Entity Identifier.",
        "coefficient": 0.95,
    }
}

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        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L43"
    },
    "ogrn_code_match": {
        "description": "Two entities have the same Russian company registration
(OGRN) code.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L53"
    },
    "vessel_imo_mmsi_match": {
        "description": "Two vessels have the same IMO or MMSI identifier.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L70"
    },
    "inn_code_match": {
        "description": "Two entities have the same Russian tax identifier (INN).",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L58"
    },
    "bic_code_match": {
        "description": "Two entities have the same SWIFT BIC.",
        "coefficient": 0.95,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L48"
    },
    "identifier_match": {
        "description": "Two entities have the same tax or registration identifie
r.",
        "coefficient": 0.85,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/identifiers.py#L105"
    },
    "weak_alias_match": {
        "description": "The query name is exactly the same as a result's weak al
ias.",
        "coefficient": 0.8,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/names.py#L135"
    },
    "country_mismatch": {
        "description": "Both entities are linked to different countries.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenk
latura/matching/compare/countries.py#L8"
    },
    "last_name_mismatch": {
        "description": "The two persons have different last names.",

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        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/names.py#L124"
    },
    "dob_year_disjoint": {
        "description": "The birth date of the two entities is not the same.",
        "coefficient": -0.15,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/dates.py#L65"
    },
    "dob_day_disjoint": {
        "description": "The birth date of the two entities is not the same.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/dates.py#L48"
    },
    "gender_mismatch": {
        "description": "Both entities have a different gender associated with them.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/gender.py#L7"
    },
    "orgid_disjoint": {
        "description": "Two companies or organizations have different tax identifiers or registration\n    numbers.",
        "coefficient": -0.2,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/identifiers.py#L89"
    },
    "numbers_mismatch": {
        "description": "Find numbers in names and addresses and penalise different numbers.",
        "coefficient": -0.1,
        "url": "https://github.com/opensanctions/nomenklatura/blob/3.10.6/nomenklatura/matching/compare/multi.py#L8"
    }
},
"limit": 5
}

```

NOTE: For individuals who are not sanctioned, the results body will not include a "match" parameter, effectively rendering it empty, which signifies a "match = false" condition.