

Kalmasoft

Names Advanced Processing Technology (NAP)

Personal Names Matching Module

Web Application Quick Reference

Link to file: https://kalmasoft.com/KNAP/Kalmasoft_Personal_Names_Matching_System.pdf

Sample output: <https://kalmasoft.com/KLEX/dbsamples.htm#napsamples>

Updated: November 17 2025

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Matching Module's GUI Input

Personal Names Matching

Home / Names / Matching

Master settings

Source language: Arabic

Source country: Belarus

Entity type: Individual

Matching algorithm: Select best fit algorithm

Options: ☒ Generate orthographic variants
☐ Merge matched names

Delimiter: Break

ID start: 1 1

ID prefix:

Master input

پوشکین الکساندر
الیکساندر بروسکوف
میخائیل گرابوفسکی
میخائیل فلادیمیروووتش
یفغیزی بریماکوف

Lookup settings

Target language: English

Target country: Belarus

Target transystem: Non-standard cross-Latin transcription

Naming model: Country specific features

Similarity threshold (%): 0

Options: ☒ Apply grammatical rules
☐ Manage false positives

Target delimiter: Break

Lookup input

Pushkin Alexander
BARSUKOV, Alexander
Mikhail Grabovski
Mikhail Vladimirovich Skarzinsky

[Estimate](#)

Matching Module's GUI Output (Master = Arabic, Lookup = English)

Matching Download history

Search:

Id	Vid	Master	Lookup	Similarity	Entity	Source	Sscript	Target	Tscript	Scountry	Tcountry
1	1	001 بوشكين أليكساندر	Pushkin Alexander	1	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
2	2	001 بوشكين أليكساندر	BARSUKOV Alexander	0.05246914	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
3	3	001 بوشكين أليكساندر	Mikhail Grabovski	0.0449827	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
4	4	001 بوشكين أليكساندر	Mikhail Vladimirovich Skarzhinsky	0.02203857	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
5	5	001 أليكساندر بروسكوف	Pushkin Alexander	0.05859375	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
6	6	001 أليكساندر بروسكوف	BARSUKOV Alexander	0.05555556	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
7	7	001 أليكساندر بروسكوف	Mikhail Grabovski	0.04844291	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
8	8	001 أليكساندر بروسكوف	Mikhail Vladimirovich Skarzhinsky	0.02295684	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
9	9	001 ميخائيل قرابوفسكي	Pushkin Alexander	0.04296875	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
10	10	001 ميخائيل قرابوفسكي	BARSUKOV Alexander	0.0462963	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
11	11	001 ميخائيل قرابوفسكي	Mikhail Grabovski	0.05190311	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
12	12	001 ميخائيل قرابوفسكي	Mikhail Vladimirovich Skarzhinsky	0.02295684	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
13	13	001 ميخائيل فلاديميروفتش	Pushkin Alexander	0.03515625	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
14	14	001 ميخائيل فلاديميروفتش	BARSUKOV Alexander	0.03395062	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
15	15	001 ميخائيل فلاديميروفتش	Mikhail Grabovski	0.03806228	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus
16	16	001 ميخائيل فلاديميروفتش	Mikhail Vladimirovich Skarzhinsky	0.02112029	Individual	Arabic	Arabic	English	Latin	Belarus	Belarus

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Matching Module's GUI Output (Master = English, Lookup = English)

Matching Download history

Search:

Id	Vid	Master	Lookup	Similarity	Entity	Source	Sscript	Target	Tscript	Sc
1	001	Pushkin Alexander	Alexander Grabovski	0.04844291	Individual	English	Latin	English	Latin	Be
2	001	Pushkin Alexander	ASTREIKO Alexander Viacheslavovich	0.05190311	Individual	English	Latin	English	Latin	Be
3	001	Pushkin Alexander	BARSUKOV Alexander	0.04844291	Individual	English	Latin	English	Latin	Be
4	001	BARSUKOV Alexander	Alexander Grabovski	0.05246914	Individual	English	Latin	English	Latin	Be
5	001	BARSUKOV Alexander	ASTREIKO Alexander Viacheslavovich	0.04938272	Individual	English	Latin	English	Latin	Be
6	001	BARSUKOV Alexander	BARSUKOV Alexander	1	Individual	English	Latin	English	Latin	Be
7	001	Mikhail Grabovski	Alexander Grabovski	0.05190311	Individual	English	Latin	English	Latin	Be
8	001	Mikhail Grabovski	ASTREIKO Alexander Viacheslavovich	0.04844291	Individual	English	Latin	English	Latin	Be
9	001	Mikhail Grabovski	BARSUKOV Alexander	0.03806228	Individual	English	Latin	English	Latin	Be
10	001	Mikhail Savitsky	Alexander Grabovski	0.046875	Individual	English	Latin	English	Latin	Be
11	001	Mikhail Savitsky	ASTREIKO Alexander Viacheslavovich	0.0546875	Individual	English	Latin	English	Latin	Be
12	001	Mikhail Savitsky	BARSUKOV Alexander	0.03515625	Individual	English	Latin	English	Latin	Be
13	001	Mikhail Vladimirovich Skarzhinsky	Alexander Grabovski	0.02295684	Individual	English	Latin	English	Latin	Be
14	001	Mikhail Vladimirovich Skarzhinsky	ASTREIKO Alexander Viacheslavovich	0.02662994	Individual	English	Latin	English	Latin	Be
15	001	Mikhail Vladimirovich Skarzhinsky	BARSUKOV Alexander	0.0174472	Individual	English	Latin	English	Latin	Be
16	001	Moisey Ostrogorsky	Alexander Grabovski	0.04320988	Individual	English	Latin	English	Latin	Be
17	001	Moisey Ostrogorsky	ASTREIKO Alexander Viacheslavovich	0.04320988	Individual	English	Latin	English	Latin	Be
18	001	Moisey Ostrogorsky	BARSUKOV Alexander	0.03703704	Individual	English	Latin	English	Latin	Be

Showing 1 to 18 of 18 entries

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Matching Module's API Documentation (Basic parameters)

Personal Names Matcher

Matches multilingual and cross language personal names.

AUTHORIZATIONS: > `tokenAuth` or `cookieAuth`

QUERY PARAMETERS

affixes	boolean (Process affixes) Default: <code>true</code> Process name affixes and qualifiers
algorithmcode	string (Matching algorithm code) <code>non-empty</code> Default: <code>"BEST"</code> Enum: <code>"BEST"</code> <code>"EDIS"</code> <code>"META"</code> Name matching algorithm code <code>BEST</code> - Select best fit algorithm <code>EDIS</code> - Edit distance <code>META</code> - Metaphone
delimiter	string <code>non-empty</code> Default: <code>"L"</code> Enum: <code>"N"</code> <code>"B"</code> <code>"C"</code> <code>"S"</code> <code>"W"</code> <code>"L"</code> Source input delimiter <code>N</code> - No delimiter <code>B</code> - Break

POST /api/v1/pmatcher/

Request samples

Payload

Content type
application/json

Copy Expand all Collapse all

```
{
  - "payload": [
    "string"
  ],
  "foreign": true,
  "duplicates": true,
  "variants": true,
  "grammar": true,
  "affixes": true,
  "terms": false,
  "diacritics": true,
  "matres": false,
  "nodiac": false,
  "delimiter": "L",
  "idstart": 1,
  "fieldwidth": 1,
```

Matching Module's API Documentation (Supported entities)

matchentitycode	string (Name entity code) non-empty Default: <code>"INDVDL"</code> Enum: <code>"INDVDL"</code> <code>"INSTUT"</code> <code>"PRODCT"</code> <code>"ADDRSS"</code> <code>"DATEXX"</code> Name entity type code <code>INDVDL</code> - Individual <code>INSTUT</code> - Institution <code>PRODCT</code> - Product <code>ADDRSS</code> - Address <code>DATEXX</code> - Date
matres	boolean (Matres lectionis) Default: <code>false</code> Apply matres lectionis
merge	boolean (Merge names) Default: <code>false</code> Merge matched names
namemodelcode	string (Naming model code) non-empty Default: <code>"AUT"</code> Enum: <code>"CS"</code> <code>"GS"</code> <code>"SG"</code> <code>"GMS"</code> Naming model code <code>CS</code> - Country specific features <code>GS</code> - Given+Surname <code>SG</code> - Surname+Given <code>GMS</code> - Given+Middle+Surname

```

    "servcode": "string",
    "servstatustext": "string",
    "servstatuscode": "str",
    "created": "2019-08-24T14:15:22Z"
  },
  "no": "string",
  "id": "string",
  "vid": "str",
  "name": "string",
  "source": "string",
  "target": "string",
  "sscript": "string",
  "tscript": "string",
  "scode": "str",
  "tcode": "str",
  "transystem": "string",
  "transyscode": "strin",
  "sscriptcode": "stri",
  "tscriptcode": "stri",
  "slangtag": "string",
  "tlangtag": "string",
  "confidence": 1,
  "status": "string",
  "stcode": "str",
  "stmessage": "string",
  "master": "string",
  "lookup": "string",
  "merged": "string",

```

Matching Module's potential users

Section	User	Applications	Use cases
A	Government	Archiving, Indexing (Data+Logic)	- Compliance and governance - Immigration control - Intelligence analysis - Law enforcement - PEP and sanctions screening - Voters list correction
B	- Telecommunication - Transportation - Financial institutions - Security agencies - Healthcare - Housing - Tourism and hospitality	Archiving, Indexing (Data+Logic)	- Anti Money Laundering (AML) - Combating the Financing of Terrorism (CFT) - Culture-sensitive CRM applications - Customer data management - Data management and accessibility - Electronic health records - Ethnic-based marketing campaigns - Fraud detection - KYC and Due Diligence
C	- Media - Education - NGOs - R&D	Information retrieval (Data+Algorithms)	- Cross-lingual Information Retrieval (CLIR) - General linguistics - Machine Translation (MT) - Named-Entity Recognition/Extraction (NER) - Text to Speech Technologies (TTS)
D	Common	Archiving, Indexing (Data+Logic+Algorithms)	- Employment diversity - Entity Matching (EM) - Identity resolution - Name matching/indexing - Name screening

Matching Module's specification summary *

Category	Property	Data	Details
Module	Interaction technology	2	GUI, REST API
Module	Interface language	1	English
Module	Function description	1	Matches multilingual and cross language personal names and other entity names against target watchlist.
Operation	Name processes	1	Matching
Operation	Supported languages	150	
Operation	Supported language varieties	33	Three languages (Amharic, Arabic, Hebrew)
Operation	Supported countries	200	
Operation	Supported transcription systems	50	Both transcription and transliteration
Operation	Supported language pairs	1500	
Operation	Supported writing scripts	30	
Operation	Supported matching algorithms	5	Fuzzy matching, phonetic and edit distance
Operation	Supported match entity types	5	Individual, Organization, Product, Address, Date
Input	Input types	1	Names
Input	Input formats	4	Vertical list, separated values (comma, semicolon, space)
Output	Output file formats	5	CSV, TSV, JSON, XLSX, PDF
Output	Output data manipulation	6	Live search/filter, sort, print, copy, hide, column reorder
Features	Language processing		Language auto-detection
Others	Disabled features		

Note: All information in this table is subject to change without any prior notice.