



Dynamicsforce® Workforce AI

Dynamicsforce® Workforce AI provides everything you need to explore, test, and integrate AI for workforce management and human resource processes with ease with 100% GDPR compliance guarantee.

General Information

- **Product Name: Dynamicsforce® Workforce AI**
- **Version: Release 1.0**

Purpose

Dynamicsforce® AI Platform serves as a centralized hub for accessing various AI services. It simplifies integration by offering a unified interface to interact with multiple capabilities.

Dynamicsforce Workforce AI Modules

- **Recruitment Agent**
- **Candidate Intelligence Agent**
- **Employee Support Agent**
- **Learning & Skills Agent**
- **HR Operations Agent**
- **Workforce Analytics Agent**

Dynamicsforce Workforce AI also enables the following enterprise AI capabilities for advanced AI-powered automation.

- **AiDocument** – Document processing and analysis
- **AiLanguage** – Natural language processing and understanding
- **AiSpeech** – Speech recognition and synthesis
- **ObjectStorage** – Storage and retrieval of objects
- **AiSentiment** – Sentiment analysis
- **AiSummary** – Text summarization
- **AiChat** – Conversational AI assistant

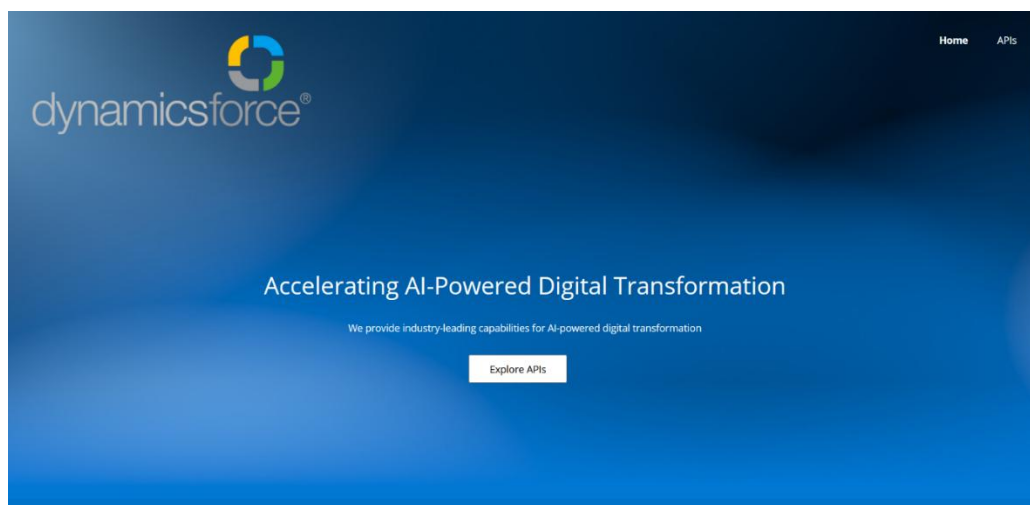
Developer Instructions or Dynamicsforce® Workforce AI Integration

Dynamicsforce® Developer Portal is your gateway to exploring and integrating **Dynamicsforce® Workforce AI**. It provides developers with self-service access to API documentation, authentication guidance, and instructions for integration and testing with usage examples. Whether you're simply exploring, building prototypes or production-grade solutions, the portal equips you with everything you need to get started quickly and efficiently.

The following screenshots taken from the Dynamicsforce® AI Developer Portal user interface to help you navigate and understand its features.

Sign-up as a new Customer in our Sign-up page:

URL: <https://portal.dynamicsforce.com>



Go to API Catalogue Page

APIs

Search

Group by tag

Name	Description	Type
Aspective AI API		REST
Aspective Chat Connector		REST
Aspective Text Analyser		REST

Dynamicsforce® workforce AI for Skills

API

Aspective AI API

Operations

Search

POST [SubscriptionManager] Creates a new ...

POST [temp-storage] Creates a processor j...

POST [temp-storage] Creates a transcriptio...

POST [temp-storage] Creates an async job f...

GET [temp-storage] Downloads the conte...

GET [temp-storage] Retrieves a list of obje...

POST [temp-storage] Uploads an object (fil...

POST [user-storage] Creates a processor jo...

POST [user-storage] Creates a transcription...

Aspective AI API

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Download definition

Select definition type

Matches a candidate profile against a job description to identify skill gaps, matched and missing skills, and provides a skills gap score and recommendations.

Matches a candidate profile against a job description to identify skill gaps, matched and missing skills, and provides a skills gap score and recommendations.

Sample request for matching a candidate profile against a job description

```
POST /JobDescriptions/MatchCandidate
{
  "jobDescription": "Cloud Solutions Architect\nWe are seeking a Cloud Solutions Architect to design and implement scalable, secure, and cost-effective cloud infrastructures for enterprise clients.\nResponsibilities include:\n- Lead the design of multi-cloud architectures (Azure, AWS, GCP) for high-availability systems.\n- Collaborate with DevOps teams to implement CI/CD pipelines and infrastructure-as-code (Terraform, Bicep).\n- Conduct security assessments and ensure compliance with ISO 27001 and SOC 2.\n- Optimize cloud costs through monitoring, automation, and resource right-sizing.\n- Mentor junior engineers on cloud best practices.",
  "candidateProfile": "Emily chen\nAWS Certified Cloud Practitioner.\n2 years of experience as a Cloud Engineer at StartupHub (2020-2022)"
}
```

Dynamicsforce® AI Service for Document Analysis

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API
Aspective AI API

Aspective AI API

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Operations

Search

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- POST [temp-storage] Uploads an object (fil...
- POST [user-storage] Creates a processor jo...
- POST [user-storage] Creates a transcriptio...

Analyzes the uploaded document based on the specified types of document analysis provided in the request JSON.

Example of a POST request to analyze a document:

```
Content-Type: multipart/form-data
POST /AiDocument/AnalyzeDoc

Request Body:
{
  "requestJson": "{}",
  "file": (binary file data)
}
```

Example of the requestJson parameter:

Dynamicsforce® Workforce AI for Text Analysis

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Operations

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Generate a summary of a conversation with expected key points

Sample request for summarizing a conversation

POST /AiSummary/SummarizeIssueResolutionFromConversation

```
{
  "conversation": "a conversation needs to be summarized",
  "expectedOutputKeyPoints":
  [
    "Customer problem:",
    "Outcome of the conversation:",
    "Action items for follow-up:",
    "Customer budget:"
  ],
}
```

Dynamicsforce® AI Service for Voice Analysis

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API

Aspective AI API

Operations

Search

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Aspective AI API

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Download definition Select definition type

Retrieves the details of a transcription job using the transcription job ID.

Example of a GET request:

```
GET /AiSpeech/GetTranscriptionJob/transcriptionJobId.xyz.123
```

Endpoint:**Tags:** AiSpeech

```
GET https://api.dynamicsforce.com/AiSpeech/GetTranscriptionJob/{transcriptionJobId}
```

[Try this operation](#)

Dynamicsforce® AI Service for Language Analysis

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API

Aspective Text Analyser

Operations

Search

- POST AiLanguage - BatchDetectDominant...
- POST AiLanguage - BatchDetectLanguageE...
- POST AiLanguage - BatchDetectLanguageK...
- POST AiLanguage - BatchDetectLanguagePI...
- POST AiLanguage - BatchDetectLanguageS...
- POST AiLanguage - BatchDetectLanguageT...
- POST AiLanguage - BatchLanguageTranslati...

Aspective Text Analyser

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Download definition Select definition type

AiLanguage - BatchDetectDominantLanguage

Processes a batch request to detect the dominant languages used within multiple documents.

Example of a POST request:

```
POST /AiLanguage/BatchDetectDominantLanguage
{
  "documents": [
    {
      "key": "doc-1",
      "text": "I had the best day of my life."
    },
    {
      "key": "doc-2",
      "text": "On Tuesday Jan 20 I met Bob Smith at Central Park."
    }
  ]
}
```

Instructions for Account Creation

To request API access or more information, please email us at hello@dynaforce.com. We will create a test account for you and provide access credentials in the following format:

- **App (Client) ID**
- **Client Secret**
- **Tenant ID**
- **API Scope – Default scope for testing purposes with limited feature access**

Authentication

Dynamicsforce Workforce AI requires secure access and it uses OAuth 2.0 client credentials grant via the Microsoft identity platform. This non-interactive flow allows users to acquire Access Tokens which is a requirement to call the Dynamicsforce® Workforce AI.

Testing with Postman Collection

If you would like to test with Postman collection, please send us an email to hello@dynaforce.com and we will provide you the Postman Collection file that you can use for testing purposes.

Please find below instructions for testing with Postman collection:

1. Import the Collection

- Open Postman.
- Click on the **“Import”** button.
- Select the provided collection file.

2. Set Up Environment

- Import the environment file:
Ensure the following environment variables are configured:

- WebApiBaseAddress
- TenantID
- ClientID
- ClientSecret
- Scope
- Copy test files from the test-files folder to your Postman working directory (default: C:\Users\[Username]\Postman\files).

3. Run the Collection

- Select the imported collection.
- Go to the **Authorization** tab.
- Click **“Get New Access Token”**.
- Once authorized, click **“Use Token”**.

Critical Testing Instructions

- Test with both **valid and invalid** data inputs.
- Ensure **all endpoints are protected**, except for /Ping.
- Test the API across **multiple platforms** (e.g., Windows, macOS).
- Validate the handling of **edge cases** and **unexpected inputs**.
- If the API returns an error, document:
 - The **error message**
 - **Steps to reproduce**
 - Share this information with us at hello@dynamicsforce.com

Legal

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