Wizardly Widgets

API Guide

Guide for using the Wizard Widgets API

VERSION: 1.8

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Overview

The Wizardly Widgets API provides high quality digital spells, incantations, charms, and other magical formulas for your own software application. Before using any of these digital artifacts, you must create an account with Wizardly Widgets and license a magic-capable Artificial Intelligence (AI). The AI is responsible for maintaining the connection between the Wizardly Widget artifact and your application.

Email our Sales Teams (sales@wizardlywidget.com) or call (200) 377-4949 for a demo or to create your service account.

Access Token

Each service request requires an authorization token. You can request a temporary access token from the Wizardly Widget Authorization Service with the credentials you received when you set up your service account. The token is delivered as a JSON response.

This token will expire in 30 seconds. You can request an additional token if required.

REQUEST

```
curl -X POST https://test.wizardlywidgets.com/api/oauth/access-token \
  -H 'Content-Type: application/json' \
  -d '{ "user_id": "<USER_ID>","password": "<PASSWORD>"}'
```

RESPONSE

```
HTTP Status Code 200
{
  "expires" : "<Expires in Seconds>",
  "access_token" : "<ACCESS TOKEN>",
  "status" : "approved"
}
```

USEAGE

Include the access token in the HTTP header to make API requests:

```
curl -X POST https://test.wizardlywodgets.com/api/<REQUEST TYPE> \
    -H "Content-Type: application/json" \
    -H "Accept: application/json" \
    -H "access_token: <ACCESS_TOKEN>"
    -d '{json request}'
```

Request Digital Artifact List

Your contract with Wizardly Widgets determines which spells, charms, incantations, etc. that your account is licensed to use. This is a dynamic list as we are continually expanding our inventory. At times, a previously available digital artifact is removed from the list. Refer to Appendix A: Removal of a Digital Artifact for more information.

This API request will return all digital artifacts available to your application. You can then decide whether to proceed with the use of the digital artifact.

REQUEST

```
curl -X POST https://test.wizardlywidgets.com/api/widgets/list \
    -H "Content-Type: application/json" \
    -H "Accept: application/json" \
    -H "access_token: <ACCESS_TOKEN>"
```

RESPONSE

The JSON response list artifacts available to you with the following elements.

Element	Type	Description
WidgetKey	String	Widget key GUID value that uniquely identifies the specific widget.
WidgetName	String	Widget Name.
Description	String	Description of the item.
Restrictions	String	Provides any restrictions on your use of the widget – demo (short term), available (unlimited), removal stage 1 (evaluation), removal stage 2 (deprecated), removal stage 3 (obsolete).
AIKey	String	GUID value that identifies this iteration of the widget for the monitoring AI.
Fields	Array	**Element** / **Type** fieldName / String fieldType / String Information you've configured for delivery with the widget. Often used for purposes of billing your own clients.

Data elements without a value are returned as empty strings.

```
{
    "widgets": [
        {
            "widgetKey": "<WIDGET KEY>",
            "widgetName": "<WIDGET NAME>",
            "description": "<WIDGET DESCRIPTION>",
            "restriction": "<WIDGET RESTRICTION>",
            "aiKey": "<WIDGET AI KEY>",
            "fields": [
                {
                    "fieldName": "<FIELD NAME>",
                    "fieldType": "<FIELD TYPE>"
                },
                {
                    "fieldName": "<FIELD NAME>",
                    "fieldType": "<FIELD TYPE>"
                }
            ]
        }
    ]
```

Request Digital Artifact

You can use the Widget Key to retrieve a specific digital artifact. Some widgets perform better with localization. See Appendix B: Localization Codes for more information.

REQUEST

```
curl -X POST https://test.wizardlywidgets.com/api/widgets/artifact \
    -H "Content-Type: application/json" \
    -H "Accept: application/json" \
    -H "access_token: <ACCESS_TOKEN>"
    -d ' {
          "widgetKey: <WIDGET KEY>"
          "localeID: <LOCATION CODE>"
       '}
```

Send a blank location code to allow Wizardly Widgets to select the best server for the request.

RESPONSE

The JSON response provides the digital artifact for the specific widget key.

Element	Type	Description
WidgetKey	String	Widget key GUID value that uniquely identifies the specific widget.
WidgetName	String	Widget Name.
Description	String	Description of the item.

<table>
<tr><td>Restrictions</td><td>String</td><td>Provides any restrictions on your use of the widget – demo (short term), available (unlimited), removal stage 1 (evaluation), removal stage 2 (deprecated), removal stage 3 (obsolete).</td></tr>
<tr><td>AIKey</td><td>String</td><td>GUID value that identifies this iteration of the widget for the monitoring AI.</td></tr>
<tr><td>Fields</td><td>Array</td><td><table><tr><th>Element</th><th>Type</th></tr><tr><td>fieldName</td><td>String</td></tr><tr><td>fieldType</td><td>String</td></tr></table>
Information you've configured for delivery with the widget. Often used for purposes of billing your own clients.</td></tr>
</table>

Data elements without a value are returned as empty strings.

```
{
    "widget": [
        {
            "widgetKey": "<WIDGET KEY>",
            "widgetName": "<WIDGET NAME>",
            "description": "<WIDGET DESCRIPTION>",
            "restriction": "<WIDGET RESTRICTION>",
            "aiKey": "<WIDGET AI KEY>",
            "fields": [
                {
                    "fieldName": "<FIELD NAME>",
                    "fieldType": "<FIELD TYPE>"
                },
                {
                    "fieldName": "<FIELD NAME>",
                    "fieldType": "<FIELD TYPE>"
                }
            ]
        }
    ]
```

Appendix A: Removal of a Digital Artifact

We make every effort to ensure that our spells and incantations are heavily tested and appropriate for use in your software application. Due to the ever-changing magical landscape, it may become necessary to remove an artifact. The removal will be handled on a staged basis:

Stage	Description	Timeline
Evaluation	Artifact performance will decrease by 25% as we evaluate the reported issue. Each use generates a tracking report so we can determine the scope and identify clients to contact.	Immediately upon problem report through evaluation period.
Note: An evaluation often determines the reported problem is either an annoyance at worst or that it can be mitigated with a few simple steps.		
Deprecated *Evaluation concluded the artifact should be removed.*	Artifact performance will decrease by 75%. There will be a 30% failure rate.	60 Days
Removed	The artifact is no longer available. Failure rate is 100%.	Permanent

Appendix B: Localization Codes

Our widgets are designed to perform under all conditions. Localization provides robust language support and allows you to customize the look and feel for your end users. Additionally, sending a location code affords you some control over which servers are selected for the widget at run-time. If your application does require a high degree of responsiveness, then localizing it is strongly recommended. Additionally, you can control your costs for widget use by identifying those where a standard server provides sufficient response time.

Localization Code	Area	Performance Tier
NAH	US, Canada, Mexico	High performance
NAHb	US, Canada, Mexico	High performance
NAS	US, Canada, Mexico	Standard performance
EUH	Western Europe, Iceland	High performance
EUS	Western Europe, Iceland	Standard performance
AH	Asia	High performance
AS	Asia	Standard performance
SA	South America	Standard performance
CA	Central America	Standard performance
FAH	First Available	High performance
FAS	First Available	Standard performance