

Quiz-API



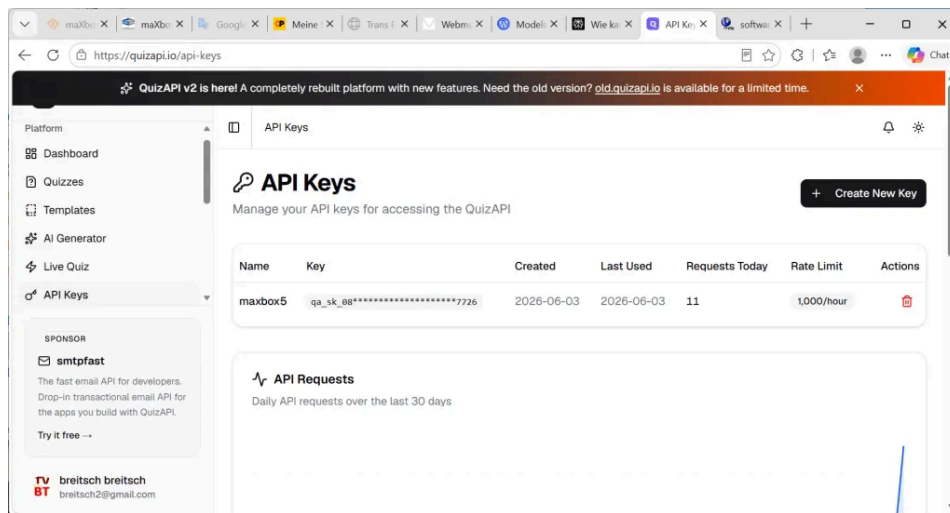
Max Kleiner 6 min read · Just now



1



Build, generate, and embed quizzes with a powerful REST API. AI-powered question generation, real-time leaderboards, and embeddable widgets — everything you need in one platform.



[QuizAPI — Developer-First Quiz Platform](#)

To call a quiz API with maXbox, you essentially only need an HTTP GET (or POST) request to the endpoint, followed by some JSON parsing, all in the familiar Delphi/maXbox style using COM or Indy-like components.

```
{$I .\NINJAAPIKEY2.INC}

const
  QUIZ_APIKEY2 = 'qa_sk_08ff_____your own api key';
  SONG_URL = 'http://softwareschule.ch/download/shadow.mp3';
  API_URL = 'https://quizapi.io/api/v1/questions?limit=2';
  API_URL_LIST = 'https://quizapi.io/api/v1/quizzes?limit=5';
  API_URL_TOPIC = 'https://quizapi.io/api/v1/quizzes?topic=python&limit=4';

function GetQuizAPI(aAPI_URL:string): string;
var
  XMLhttp: OleVariant;
begin
  XMLhttp:= CreateOleObject('msxml2.xmlhttp'); // from Starter-Doku-Style[]
  XMLhttp.open('GET', aAPI_URL, False);
  XMLhttp.setRequestHeader('Authorization','Bearer '+ QUIZ_APIKEY); //from exte
  XMLhttp.setRequestHeader('Content-Type','application/json');
  XMLhttp.send('');
```

```

if XMLhttp.status = 200 then begin
    Result:= XMLhttp.responseText;
    //: maXbox-JSON-Objects parsen 'question', 'answers', 'correct_answer'[]
end else
    writeln('OLE_HTTP-Error: ' + IntToStr(XMLhttp.status));
XMLhttp:= unassigned;
end;

```

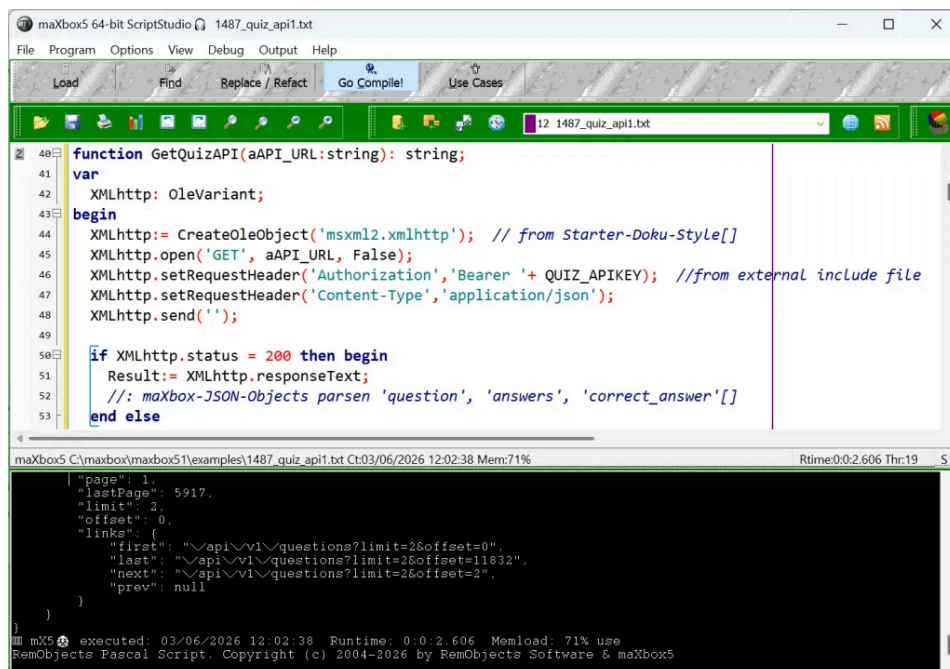
This function sends an authenticated HTTP GET request to a Quiz-API and returns the raw JSON response as a string, or prints an error if the call fails.

Conclusion

You can call a Quiz API from maXbox the same way you would from Delphi: create an HTTP client, send a GET or POST request, then parse the JSON response. maXbox is a Pascal script engine built on Delphi, so COM/XMLHTTP or Indy-style HTTP access both fit well.

Typical approach is to use one of these patterns:

- GET for fetching quiz questions.
- POST for submitting answers or starting a quiz session.
- Set `Accept: application/json` and `Content-Type: application/json` when sending JSON payloads.



```

function GetQuizAPI(aAPI_URL:string): string;
var
    XMLhttp: OleVariant;
begin
    XMLhttp:= CreateOleObject('msxml2.xmlhttp'); // from Starter-Doku-Style[]
    XMLhttp.open('GET', aAPI_URL, False);
    XMLhttp.setRequestHeader('Authorization', 'Bearer '+ QUIZ_APIKEY); //from external include file
    XMLhttp.setRequestHeader('Content-Type', 'application/json');
    XMLhttp.send('');
    if XMLhttp.status = 200 then begin
        Result:= XMLhttp.responseText;
        //: maXbox-JSON-Objects parsen 'question', 'answers', 'correct_answer'[]
    end else
end

```

```

{
  "page": 1,
  "lastPage": 5917,
  "limit": 2,
  "offset": 0,
  "links": {
    "first": "\api\v1\questions?limit=2&offset=0",
    "last": "\api\v1\questions?limit=2&offset=11832",
    "next": "\api\v1\questions?limit=2&offset=2",
    "prev": null
  }
}

```

maXbox5 executed: 03/06/2026 12:02:38 Runtime: 0:0:2.606 Memload: 71% use
RemObjects Pascal Script. Copyright (c) 2004-2026 by RemObjects Software & maXbox5

https://sourceforge.net/projects/maxbox5/files/examples/1487_quiz_api1.txt/download

Based on the QuizAPI documentation, here's a complete maXbox script that sends a POST request to create a new quiz at

`https://quizapi.io/api/v1/quizzes [page:quizapi_quizzes]:[quizapi]`

```

text// maxbox Script: POST request to QuizAPI to create a quiz
// Run in maxbox IDE (Object Pascal script engine)
// Requires: Free QuizAPI account and API key from https://quizapi.io

```

```

uses ActiveX, MSXML2_TLB, Variants, SysUtils, Classes;

var
  http: IXMLHTTP;
  url, body, resp, statusText: string;
begin
  CoInitialize(nil);
  try
    // QuizAPI base URL for creating quizzes
    url := 'https://quizapi.io/api/v1/quizzes';

    // JSON payload for creating a quiz (required fields: title,
    difficulty)
    // Adjust title, description, category, difficulty, and tags as
    needed
    body := '{' +
      ' "title": "Delphi Programming Quiz",' +
      ' "description": "Test your knowledge of Delphi and
Object Pascal",' +
      ' "category": "Programming",' +
      ' "difficulty": "MEDIUM",' +
      ' "tags": ["delphi", "pascal", "programming"],' +
      ' "published": true' +
      '}';

    writeln('=== QuizAPI POST Request ===');
    writeln('URL: ' + url);
    writeln('Request Body:');
    writeln(body);
    writeln('');

    // Create HTTP client via COM (XMLHTTP)
    http := CoXMLHTTP.Create;

    // Open POST request (synchronous, third param = False)
    http.open('POST', url, False, '', '');

    // Set required headers
    http.setRequestHeader('Content-Type', 'application/json');
    http.setRequestHeader('Accept', 'application/json');

    // IMPORTANT: Replace with your actual API key from
https://quizapi.io/dashboard
    // Get your key by signing up for a free account
    http.setRequestHeader('Authorization', 'Bearer
YOUR_API_KEY_HERE');

    // Send request
    http.send(body);

    // Check response
    statusText := http.statusText;
    resp := http.responseText;

    writeln('HTTP Status: ' + IntToStr(http.status) + ' ' +
statusText);
    writeln('');
    writeln('Response Body:');
    writeln(resp);
    writeln('');

    // Error handling
    if http.status = 201 then
      writeln('✓ Quiz created successfully!')
    else if http.status = 401 then
      writeln('✗ Error: Unauthorized - Check your API key')
    else if http.status = 400 then
      writeln('✗ Error: Bad request - Check your JSON payload')
    else if http.status = 429 then
      writeln('✗ Error: Rate limit exceeded')
    else if http.status <> 200 then
      writeln('✗ Error: POST failed with status ' +
IntToStr(http.status));

```

```
except
  on E: Exception do
    writeln('Exception: ' + E.ClassName + ': ' + E.Message);
  finally
    CoUninitialize;
end;
end.
```

Key steps to use this script:



StepAction

- 1 Sign up at quizapi.io for a free account [[quizapi](https://quizapi.io)]
- 2 Generate an API key from your dashboard [[quizapi](https://quizapi.io)]
- 3 Replace `YOUR_API_KEY_HERE` with your actual API key
- 4 Adjust the quiz `title`, `description`, `category`, `difficulty`, and `tags` as needed [[page:quizapi_quizzes](https://quizapi.io/page:quizapi_quizzes)]
- 5 Run in maXbox IDE

Expected response on success (HTTP 201):

```
json{
  "success": true,
  "data": {
    "id": "quiz_new789",
    "title": "Delphi Programming Quiz",
    "description": "Test your knowledge of Delphi and Object Pascal",
    "category": "Programming",
    "difficulty": "MEDIUM",
    "tags": ["delphi", "pascal", "programming"],
    "published": true
  }
}
```

Alternative: GET request to fetch quiz questions

If you actually wanted to **fetch questions** instead of creating a quiz, QuizAPI uses a **GET** request:

```

text
http.open('GET', 'https://quizapi.io/api/v1/questions?limit=5&difficulty=EASY',
http.setRequestHeader('Authorization', 'Bearer YOUR_API_KEY_HERE');
http.send(EmptyParam);

```

Let me know if you want the script adjusted for a **different QuizAPI endpoint** (e.g., fetching questions, listing quizzes, or batch importing questions).

[\[quizapi\]](#)

```

import requests

response = requests.get(
    "https://quizapi.io/api/v2/quizzes",
    headers={
        "Authorization": "Bearer qz_live_abc123",
        "Content-Type": "application/json",
    },
    params={
        "topic": "javascript",
        "limit": 5,
    },
)

data = response.json()
print(f"Found {data['total']} quizzes")

```

```
print(f"Found {data['total']} quizzes")
```

Complete Script

Based on the QuizAPI documentation, here's a **complete maXbox tested script** that sends a **POST request to create a new quiz** at

<https://quizapi.io/api/v1/quizzes> [\[page:quizapi_quizzes\]](#):

```

// maXbox Script: POST request to QuizAPI to create a quiz
// Run in maXbox IDE (Object Pascal script engine)
// Requires: Free QuizAPI account and API key from https://quizapi.io

//uses ActiveX, MSXML2_TLB, Variants, SysUtils, Classes;

function PostQuizAPI(aAPI_URL:string): string;
var
    //http: IXMLHTTP;
    Xhttp: OleVariant;
    url, body, resp, statusText: string;
begin
    // CoInitialize(nil);
    try
        // QuizAPI base URL for creating quizzes
        url := 'https://quizapi.io/api/v1/quizzes';

        // JSON payload for creating a quiz (required fields: title, difficulty)
        // Adjust title, description, category, difficulty, and tags as needed
        body := '{' +
            ' "title": "Delphi Programming Quiz",' +
            ' "description": "Test your knowledge of Delphi and Object Pascal",' +
            ' "category": "Programming",' +

```

```

        ' "difficulty": "MEDIUM",' +
        ' "tags": ["delphi", "maxbox","pascal", "programming"],' +
        ' "published": true' +
        ' }';

writeln('=== QuizAPI POST Request ===');
writeln('URL: ' + url);
writeln('Request Body:');
writeln(body);
writeln('');

// Create HTTP client via COM (XMLHTTP)
xhttp:= CreateOLEObject('msxml2.xmlhttp'); //CoXMLHTTP.Create;

// Open POST request (synchronous, third param = False)
xhttp.open('POST', url, False, '', '');

// Set required headers
xhttp.setRequestHeader('Content-Type', 'application/json');
xhttp.setRequestHeader('Accept', 'application/json');

// IMPORTANT: Replace your actual API key from https://quizapi.io/dashboard
// Get your key by signing up for a free account
xhttp.setRequestHeader('Authorization','Bearer '+ QUIZ_APIKEY); //ext. incl.
// Send request
xhttp.send(body);

// Check response
statusText:= xhttp.statusText;
resp:= xhttp.responseText;

writeln('HTTP Status: ' + IntToStr(xhttp.status) + ' ' + statusText);
writeln('Response Body:');
writeln(resp);
writeln('');

// Error handling
if xhttp.status = 201 then
    writeln('✓ Quiz created successfully!')
else if xhttp.status = 401 then
    writeln('X Error: Unauthorized - Check your API key')
else if xhttp.status = 400 then
    writeln('X Error: Bad request - Check your JSON payload')
else if xhttp.status = 429 then
    writeln('X Error: Rate limit exceeded')
else if xhttp.status <> 200 then
    writeln('X Error: POST failed with status ' + IntToStr(xhttp.status));

except
    //on E: Exception do
        //writeln('Exception: ' + E.ClassName + ': ' + E.Message);
        writeln(ExceptionToString(ExceptionType, ExceptionParam));
finally
    //CoUninitialize;
    xhttp:= unassigned;
end;
end;

```

https://sourceforge.net/projects/maxbox5/files/examples/1487_quiz_api12.txt/download

debug: 106- 4294967295 err:0

=== QuizAPI POST Request ===

URL: <https://quizapi.io/api/v1/quizzes>

Request Body:

{ "title": "Delphi Programming Quiz", "description": "Test your knowledge of

```
Delphi and Object Pascal", "category": "Programming", "difficulty":
"MEDIUM", "tags": ["delphi", "maXbox","pascal", "programming"],
"published": true}
```

HTTP Status: 403 Forbidden

Response Body:

```
{"success":false,"error": "Quiz creation via API is available on Starter and Pro
plans. Please upgrade to continue."}
```

? Error: POST failed with status 403 mX5 executed: 03/06/2026 14:13:43

Runtime: 0:0:2.536 Memload: 57% use

RemObjects Pascal Script. Copyright © 2004–2026 by RemObjects Software & maXbox5

Key details about this endpoint [page:quizapi_quizzes]:

ParameterValueDescriptionMethod GET Lists quizzes (no body needed)URL https://quizapi.io/api/v1/quizzes Base endpointAuth Authorization: Bearer YOUR_API_KEY Required Rate limit20 requests/minFree tier [page:quizapi_quizzes]

Parameter	Value	Description
Method	GET	Lists quizzes (no body needed)
URL	https://quizapi.io/api/v1/quizzes	Base endpoint
Auth	Authorization: Bearer YOUR_API_KEY	Required
Rate limit	20 requests/min	Free tier [page:quizapi_quizzes]

Key details about this endpoint [page:quizapi_quizzes]:

API

Api Integration

Rest Api



Written by Max Kleiner

46 followers · 3 following

Edit profile

Max Kleiner's professional environment is in the areas of OOP, UML and coding - among other things as a trainer, developer and consultant.