
Question

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Access to XMLHttpRequest at 'http://localhost:52773/IrisVSCode/app/test' from origin 'null' has been blocked by CORS policy

Hi All,

I have created a REST class in which have the Parameter HandleCorsRequest = 1;

I can able to access the API using Postman, but not with my web application. It throws the below error.

Access to XMLHttpRequest at '<http://localhost:52773/IrisVSCode/app/test>' from origin 'null' has been blocked by CORS policy: Response to preflight request doesn't pass access control check: No 'Access-Control-Allow-Origin' header is present on the requested resource.

Please note that I have tried all option which are mentioned on following URL:

<https://cedocs.intersystems.com/latest/csp/docbook/DocBook.UI.Page.cls?K...>

I have also provided all rights to my system user, which I am using while calling the webAPI.

I am provided the screenshots of my IRIS code, jQuery code (to call webAPI) and IRIS setting.

Code Of TestAPI.cls file:

```
Class IrisVSCode.TestAPI Extends %CSP.REST
{
    Parameter HandleCorsRequest = 1;

    XData UrlMap [ XMLNamespace = "http://www.intersystems.com/urlmap" ]
    {
        <Routes>
        <Route Url="/test" Method="GET" Call="HelloWorld" Cors="true" />
        </Routes>
    }

    ClassMethod HelloWorld() As %Status
    {
        WRITE "Hello World"
        QUIT 1
    }

    ClassMethod OnHandleCorsRequest(pUrl As %String) As %Status
    {
        #dim tSC As %Status = $$$OK
        #dim e As %Exception.AbstractException

        #dim %request As %CSP.Request
        #dim %response As %CSP.Response

        #dim tOrigin,tHeaders,tMethod As %String

        TRY {
            #; Allow requested headers
            SET tHeaders=$Get(%request.CgiEnvs("HTTP_ACCESS_CONTROL_REQUEST_HEADERS"))
            DO ..SetResponseHeaderIfEmpty("Access-Control-Allow-Headers",tHeaders)

            #; Allow requested method
            SET tMethod=$Get(%request.CgiEnvs("HTTP_ACCESS_CONTROL_REQUEST_METHOD"))
            DO ..SetResponseHeaderIfEmpty("Access-Control-Allow-Method",tMethod)
        } CATCH (e) {
            SET tSC=e.AsStatus()
        }
        QUIT tSC
    }
}
```

jQuery Code to all the API:

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
<script>
function btnClick() {
    alert("Button Clicked");
    $.ajax({
        type: "GET",
        crossDomain: true,
        url: "http://localhost:52773/IrisVSCode/app/test",
        headers: {
            'Authorization': 'Basic ' + btoa('_system:SYS'),
            'Access-Control-Allow-Origin': '*',
            'Content-Type': 'application/json',
            'Access-Control-Allow-Methods': 'GET,POST,OPTIONS'
        },
        contentType: "application/json;",
        dataType: "json",
        success: function (data) {
            alert(data);
            console.log(data);
        },
        failure: function (data) {
            alert(data.responseText);
        },
        error: function (data) {
            alert(data.responseText);
        }
    });
}
</script>
```

Error Which I am facing while calling the API:



Working fine for POSTMAN:

Access to XMLHttpRequest at 'http://localhost:52773/IrisVSCode/app/test' from origin 'null' has been blocked by CORS policy: No 'Access-Control-Allow-Origin' header is present on the requested resource.
Published on InterSystems Developer Community (<https://community.intersystems.com>)

GET

http://localhost:52773/IrisVSCode/app/test

Params

Send

Save

Authorization

Headers (1)

Body

Pre-request Script

Tests

Cookies

Codemirror

Type

Basic Auth

Clear

Update Request

Username

_system

Password

SYS

☒ Show Password

The authorization header will be generated and added as a custom header

☐ Save helper data to request

Body

Cookies

Headers (9)

Tests

Status: 200 OK

Time: 11 ms

Size: 275 B

Pretty

Raw

Preview

HTML

i 1

Hello World

Web application setting:

Menu Home | About | Help | Contact | Logout System > Security Management > Web Applications > Edit Web Application

Edit: /IrisVSCode/app Server: **ism-404** Namespace: %SYS
 User: **_SYSTEM** Licensed to: **Integrated Systems Management** Instance: **IRISHEALTH**

Save Cancel

Edit definition for web application `/IrisVSCode/app`:

General

Application Roles

Matching Roles

Name

/IrisVSCode/app

Required. (e.g. /csp/appname)

Description

Namespace

IRISVSCODE

Default Application for IRISVSCODE: /csp/healthshare/irisvscode

☐ Namespace Default Application

Enable Application

☒

Enable

REST

Dispatch Class

IrisVSCode.TestAPI

Required.

CSP/ZEN

☐ Analytics

☒ Inbound Web Services

☐ Prevent login CSRF attack

Security Settings

Resource Required

Group By ID

Allowed Authentication Methods

☒ Unauthenticated

☒ Password

☐ Kerberos

☐ Login Cookie

Session Settings

Session Timeout

900

seconds

Event Class

.cls

Use Cookie for Session

Always

Session Cookie Path

/IrisVSCode/app/

Please let me know if you need some more information from me regarding this.

Thanks,

Amit Prajapati

#Angular2 #JavaScript #SOAP #InterSystems IRIS

Source

URL:<https://community.intersystems.com/post/access-xmlhttprequest-httplocalhost52773irisvscodeapptest-origin->

[null-has-been-blocked-cors](#)