

SECURITY BULLETIN 2024-6

› INSERTION OF SENSITIVE INFORMATION INTO THE LOG FILE

› SUMMARY:

This document contains information about a vulnerability affecting the confidentiality of user credentials when connecting to a web session.

Reference	SB2024-6
Publication date	2024.12.03
Last update	2024.12.03
Confidentiality	TLP:CLEAR

Date	Revision	Action
2024.12.03	1.0	Initial version

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1. Overview

ARC Informatique is aware of a security vulnerability affecting PcVue.

The vulnerability consists in an Insertion of Sensitive Information into Log File. Specifically, credentials (login & password) are inserted into log files when a user tries to authenticate using a version of a Web client that is not compatible with that of the PcVue Web back end.

It only occurs when the components have been updated separately to different versions.

This bulletin describes the immediate security measures to prevent the malicious exploitation of this vulnerability. We strongly recommend that users of the affected products apply these measures.

2. Affected products and components

Component	Product & Versions	Description
PcVue Web back end	PcVue 15 PcVue 16.2.3 and earlier	User credentials (login & password) are inserted into log files when a user tries to authenticate using a version of a Web client that is not compatible with that of the PcVue Web back end. By exploiting this vulnerability, an attacker could retrieve the credentials of a user by accessing the Log File. Successful exploitation of this vulnerability could lead to unauthorized access to the application.

3. Impact

By exploiting this vulnerability, an attacker could retrieve the credentials of a user by accessing the Log File. Successful exploitation of this vulnerability could lead to unauthorized access to the application.

The exact impact on a particular system depends on many factors. According to the vulnerabilities described hereafter, we recommend that each user of the affected products evaluates the risk for their system.

This vulnerability is not known to be exploited.

4. Vulnerability details

4.1 Improperly implemented security check

CVE Id	CVE-2024-12057
Publication date	2024.12.03
Description	User credentials (login & password) are inserted into log files when a user tries to authenticate using a version of a Web client that is not compatible with that of the PcVue Web back end. By exploiting this vulnerability, an attacker could retrieve the credentials of a user by accessing the Log File. Successful exploitation of this vulnerability could lead to unauthorized access to the application.
CVSS v4.0 Base Score	1.8
CVSS v4.0 Vector	CVSS:4.0/AV:L/AC:H/AT:P/PR:H/UI:N/VC:L/VI:L/VA:N/SC:L/SI:L/SA:N/AU:N/R:U/V:C/RE:M/U:Clear
CWE Id	CWE-532 : Insertion of Sensitive Information into Log File

5. Immediate risk mitigation

5.1 Harden the configuration

Who should apply this recommendation: All users

The system operators are highly recommended to take defensive measures to minimize the risk of exploitation of this vulnerability. Specifically, users should:

- Minimize network exposure for all control system devices and/or systems, and ensure they are not accessible from the Internet unless required.
- Locate control system networks and remote devices behind firewalls and isolate them from business networks.
- When remote access is required, use secure methods, such as Virtual Private Networks (VPNs), recognizing VPNs may have vulnerabilities and should be updated to the most current version available. Also recognize VPN is only as secure as its connected devices.

5.2 Uninstall the Web Server

Who should apply this recommendation: All users **not** using the affected component

If your system does not require the use of the Web & Mobile features, you should make sure not to install them.

See the product help related to the installation for more information.

5.3 Re-deploy the Web Server

Who should apply this recommendation: All users using the affected component

Re-deploy the Web Server with the Web Deployment Console (WDC) provided with the PcVue Web back end installation so that the PcVue Web back end and the Web server run the same version.

5.4 Update the PcVue Web back end

Who should apply this recommendation: All users using the affected component

Install a patched release of the product, including the Web back end and Web Deployment Console (WDC) and use the WDC to re-deploy the Web Server. In case of future updates, credentials will no longer be inserted into the Log files even if the PcVue back end and the Web server are incompatible.

6. Available patches

Component	Vulnerability	Description
PcVue Web back end	Insertion of Sensitive Information into Log File	Fixed in: <ul style="list-style-type: none">PcVue 16.2.4 Planned in: <ul style="list-style-type: none">PcVue 15.2.11

7. Credits

ARC Informatique thanks the product user for reporting and coordinated disclosure.

8. References

The public ARC Informatique security alert page: www.pcvue.com/security

ARC Informatique's SPR Id: SPR #74150

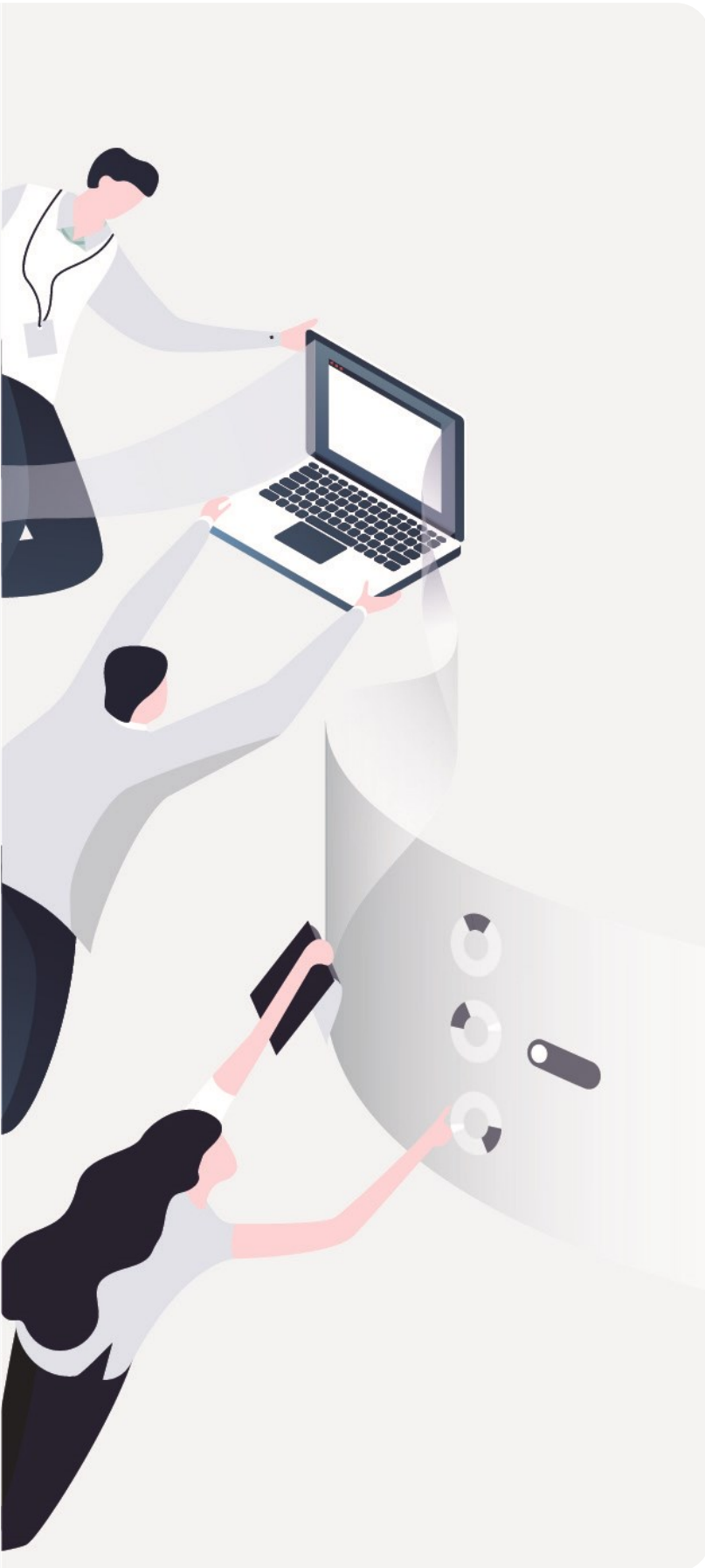
CVE: [CVE-2024-12057](https://cve.mitre.org/cve/2024/12057)

Want to report a vulnerability or provide feedback – Please email us at secure@arcinfo.com



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ARC Informatique
Private limited company
capitalized at 1 250 000 €
RCS Nanterre B 320 695 356
APE 5829C / SIREN 320 695 356
VAT N°FR 19320695 356

Headquarters
2 avenue de la Cristallerie,
92310 Sèvres, France
Tel: +33 1 41 14 36 00
Hotline: +33 1 41 14 36 25
Email: arcnews@arcinfo.com
www.pcvue.com



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