

SECURITY BULLETIN 2026-6

➤ SECURITY ENHANCEMENTS RELATED TO THE NETWORKING FEATURE

➤ SUMMARY:

This document contains information about major security enhancements related to the TCP-based client/server Networking feature of PcVue.

Reference	SB2026-6
Publication date	2026.07.07
Last update	2026.07.07
Confidentiality	TLP:CLEAR

Date	Revision	Action
2026.07.07	1.0	Initial version

The information in this document is subject to change without notice. The software described in this document is furnished under a license agreement and may only be used or copied in accordance with the terms of that agreement. It is against the law to copy software on any media except as specifically allowed in the license agreement. No part of this document may be reproduced or transmitted in any form or by any means without the express permission of the publisher. The author and publisher make no representation or warranties of any kind with regard to the completeness or accuracy of the contents herein and accept no liability of any kind including but not limited to performance, merchantability, fitness for any particular purpose, or any losses or damages of any kind caused or alleged to be caused directly or indirectly from this document. In particular, the information contained in this document does not substitute to the instructions from the products' vendor. This document may contain material belonging to third-parties. Such information is used exclusively in internal work processes and is not intended to be disclosed. In addition, this notice is not a claim of property on such third-party information. All product names and trademarks mentioned in this document belong to their respective owner.

1. Overview

PcVue version 17 introduces significant security enhancements with the integration of TLS support for the TCP-based client/server networking features. This new capability strengthens the protection of communications between PcVue nodes by ensuring confidentiality, integrity, and authentication of exchanged data over TCP messaging.

TLS can be implemented using either certificate-based authentication or by using pre-shared keys (PSK). These options allow organizations to select the security level that best fits their operational and regulatory requirements. Certificate-based authentication provides the highest level of security, while PSK offers a simpler alternative for controlled environments.

2. Description

With PcVue 17, TLS is now natively supported for TCP-based client/server networking communications. This evolution addresses cybersecurity requirements for industrial and supervisory systems by securing network exchanges against eavesdropping, tampering, and impersonation attacks.

Two TLS configuration modes are available:

- **Certificate-based**, which relies on X.509 certificates managed through an integrated PKI or the Windows Certificate Store. This mode enforces mutual authentication of communicating nodes and represents the highest security level offered by PcVue.
- **Pre-Shared Key (PSK)**, a lightweight alternative that uses shared secret keys to establish a secure channel without the need for certificates.

The product's documentation provides detailed guidance for implementing this feature, including:

- [Node advanced properties](#)
- [Certificate requirements](#)
- [Managing security certificates](#)
- [Managing pre-shared keys](#)

It is important to note that TLS is not automatically enabled for existing projects when upgrading to PcVue 17. Activation and configuration must be performed manually.

New projects, however, use PSK mode by default, allowing secure communications to be established immediately while still offering the option to transition to certificate-based authentication if required.

Additional deployment guidance and recommended practices are available in the product documentation ([Hardening Guide](#)).

3. Available patches

Component	Enhancements	Description
Networking	Support for TLS	Patch provided with: • PcVue 17.0.0 (17.0.0902.3276)

4. References

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

ARC Informatique's SPR Ids:

SPR #74714, 74676

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



SECURITY BULLETIN

2026-6

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
40 avenue Pierre Lefauchaux
92100 Boulogne-Billancourt, France
Tel: +33 1 41 14 36 00
Hotline: +33 1 41 14 36 25
Email: arcnews@arcinfo.com
www.pcvue.com



ARC Informatique is
ISO 9001, ISO 14001 and
ISO 27001 certified

We would love to hear your thoughts and suggestions
so we can improve this document
Contact us at secure@arcinfo.com