Pilot Data Server Release Notes

Version 9.8



Copyright ©2026 Vizrt. All rights reserved.

No part of this software, documentation or publication may be reproduced, transcribed, stored in a retrieval system, translated into any language, computer language, or transmitted in any form or by any means, electronically, mechanically, magnetically, optically, chemically, photocopied, manually, or otherwise, without prior written permission from Vizrt. Vizrt specifically retains title to all Vizrt software. This software is supplied under a license agreement and may only be installed, used or copied in accordance to that agreement.

Disclaimer

Vizrt provides this publication “as is” without warranty of any kind, either expressed or implied. This publication may contain technical inaccuracies or typographical errors. While every precaution has been taken in the preparation of this document to ensure that it contains accurate and up-to-date information, the publisher and author assume no responsibility for errors or omissions. Nor is any liability assumed for damages resulting from the use of the information contained in this document.

Vizrt’s policy is one of continual development, so the content of this document is periodically subject to be modified without notice. These changes will be incorporated in new editions of the publication. Vizrt may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time. Vizrt may have patents or pending patent applications covering subject matters in this document. The furnishing of this document does not give you any license to these patents.

Antivirus Considerations

Vizrt advises customers to use an AV solution that allows for custom exclusions and granular performance tuning to prevent unnecessary interference with our products. If interference is encountered:

- **Real-Time Scanning:** Keep it enabled, but exclude any performance-sensitive operations involving Vizrt-specific folders, files, and processes. For example:
  - C:\Program Files\[Product Name]
  - C:\ProgramData\[Product Name]
  - Any custom directory where [Product Name] stores data, and any specific process related to [Product Name].
- **Risk Acknowledgment:** Excluding certain folders/processes may improve performance, but also create an attack vector.
- **Scan Scheduling:** Run full system scans during off-peak hours.
- **False Positives:** If behavior-based detection flags a false positive, mark that executable as a trusted application.

Technical Support

For technical support and the latest news of upgrades, documentation, and related products, visit the Vizrt web site at www.vizrt.com.

Created on

2026/11/17

Contents

1 Pilot Data Server 9.8.0 5
1.1 New Features 5
1.2 Improvements 5
1.3 Fixed Issues 5
1.4 Known Issues 6
1.5 System Requirements 6
1.6 System Requirements (Crop Service) 6
1.7 Recommended Software Requirements 7
2 Authentication Compatibility 8
2.1 Identity Providers 8
2.2 Existing Vizrt Products 8
2.3 Newsroom Systems 8
3 Documentation 9
4 Support 10

- Pilot Data Server 9.8.0
    - New Features
    - Improvements
    - Fixed Issues
    - Known Issues
    - System Requirements
    - System Requirements (Crop Service)
    - Recommended Software Requirements
- Authentication Compatibility
    - Identity Providers
    - Existing Vizrt Products
    - Newsroom Systems
- Documentation
- Support

Copyright © 2026 Vizrt

1 Pilot Data Server 9.8.0

Release Date: 2026-11-17

These are the release notes for Pilot Data Server version 9.8.0. This document describes the changes that have been made to the software since release 9.7.0.

1.1 New Features

- Added support for global styles for the Template Builder style editor. The new `/styles` REST endpoints list, read, create, update, rename and delete styles. Styles are stored in the existing script units table, so no database schema change is needed (PDS-1420, PDS-1441).
- Crop Service has been rewritten in ASP.NET on .NET 10. It is installed by the Pilot Data Server installer as before, and is backwards compatible with the previous Crop Service (PDS-1436).

1.2 Improvements

- When a template is saved, the continue count is now taken from the director that Media Sequencer plays. With `use_all_directors` off, and always for preset scenes, only the director named `Default` is counted. Otherwise the director with the most stop keyframes is counted. Existing templates get the new count the next time they are saved (PDS-1442).
- The MOS XML now reports an unknown continue count as `-1`, as classic Viz Pilot does and Viz Mosart expects (PDS-1442).
- The secure port fields in the Pilot Data Server settings now accept any valid port number, such as 443 (PDS-1437).
- Added documentation for the `/styles` endpoints to the REST API documentation served by Pilot Data Server at `/documentation/`.

1.3 Fixed Issues

- Fixed an issue where a template created with a control object, from a scene with an unnamed pause point, could not be saved, renamed, imported or deactivated, and failed with "Saving Failed" (PDS-1438).
- Fixed an issue with Graphic Hub where Pilot Data Server sent the changelog event for a template before the save was complete. Media Sequencer could then fetch the template without its Update Service actions, and keep it until the template was saved again (PDS-1443).
- Fixed an issue with Graphic Hub over HTTPS where the Pilot Data Server process kept running for about 30 seconds after the service had stopped. An upgrade or restart in that time could fail to start the service, because the log file was still in use (PDS-1447)

Copyright © 2026 Vizrt

1.4 Known Issues

- Data Elements are not visible in Viz Pilot Edge, until the Template Index is ready (VPE-5991).

> **Note:** This version does *not* automatically generate thumbnails for templates. Thumbnails must be manually generated by the user within Template Builder.

1.5 System Requirements

System	• Microsoft Windows Server 2019 (64-bit) • Microsoft Windows Server 2022 (64-bit) • Microsoft Windows Server 2025 (64-bit) The above operating systems are also supported as virtual machines on **VMware ESXi 7.0 or higher**.
CPU	8 cores with a base frequency of 2.4 GHz or higher
RAM	• 8 GB RAM minimum • 16 GB RAM recommended
Disk	40 GB free disk space for application and logs.
Additional	Visual Microsoft C++ 2015 packages **Note:** If the Visual C ++ 2015 Redistributable Package is not installed, some software, such as Director and Media Sequencer, may encounter an HTTP 500 issue when connecting to Pilot Data Server.

1.6 System Requirements (Crop Service)

System	64-bit Windows Server 2019 or newer
CPU	• Minimum 2 CPU cores and 4 GB RAM • Recommended 4 CPU cores and 8-16 GB RAM
Disk	5 GB free disk space

Copyright © 2026 Vizrt

1.7 Recommended Software Requirements

As Pilot Database, either of:

- Graphic Hub 3.9.3 (with Graphic Hub REST 2.9.3)
- Oracle 19c with schema version 8.9

Recommended versions of other related products:

- Viz Pilot 8.9.6
- Preview Server 5.0.1
- Template Builder / Viz Pilot Edge 3.8.0
- Media Sequencer 5.9.0

> **Note:** The minimum requirement for Update Service, is Media Sequencer 5.7.

Copyright © 2026 Vizrt

2 Authentication Compatibility

2.1 Identity Providers

Pilot Data Server uses the OpenID Connect Protocol (OIDC) to authenticate users. It can, in theory, be configured to integrate with any OIDC compliant identity provider.

The following providers have been tested:

- Microsoft Entra ID (formerly Azure Active Directory)
- Vizrt SSO (Keycloak)
- Okta

2.2 Existing Vizrt Products

Pilot Data Server authentication can, for now, only be used to add user access to the web applications (Viz Pilot Edge, Template Builder and DataServerConfig).

Some Vizrt products already support SSO solutions, but:

- Current version of Viz Story (3.3) cannot be configured to use Pilot Data Server authentication.
- Although an existing Viz One installation of Vizrt SSO (Keycloak) can be configured as an identity provider for Pilot Data Server, the identity of Pilot Data Server users isn't re-used when clients are connecting to Viz One. The current version of Viz Pilot Edge still uses the pre-authenticated hosts configured in the database settings when connecting to search providers.

2.3 Newsroom Systems

Any newsroom system hosting Viz Pilot Edge in a modern, secure browser environment, should be able to utilize authentication. This requires:

- The newsroom web hosting environment is served out over HTTPS.
- The internal web browser is considered secure, when supporting the SubtleCrypto web API, as specified here: https://developer.mozilla.org/en-US/docs/Web/API/SubtleCrypto.

Copyright © 2026 Vizrt

3 Documentation

Documentation for Template Builder is available at the Vizrt Documentation Center, under Viz Pilot Edge:

- Template Builder User Guide

Copyright © 2026 Vizrt

4 Support

Support is available at the Vizrt Support Portal.

Copyright © 2026 Vizrt