

SharePlex[®] AI Insights 1.0

Release Notes

© 2026 Quest Software Inc. ALL RIGHTS RESERVED.

This guide contains proprietary information protected by copyright. The software described in this guide is furnished under a software license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of the applicable agreement. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's personal use without the written permission of Quest Software Inc.

The information in this document is provided in connection with Quest Software products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of Quest Software products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, QUEST SOFTWARE ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL QUEST SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF QUEST SOFTWARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Quest Software makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Quest Software does not make any commitment to update the information contained in this document.

If you have any questions regarding your potential use of this material, contact:

Quest Software Inc.

Attn: LEGAL Dept

4 Polaris Way

Aliso Viejo, CA 92656

Refer to our Web site (<https://www.quest.com>) for regional and international office information.

Patents

Quest Software is proud of our advanced technology. Patents and pending patents may apply to this product. For the most current information about applicable patents for this product, please visit our website at <https://www.quest.com/legal>.

Trademarks

Quest, the Quest logo, SharePlex, and Join the Innovation are trademarks and registered trademarks of Quest Software Inc. For a complete list of Quest marks, visit <https://www.quest.com/legal/trademark-information.aspx>. All other trademarks and registered trademarks are property of their respective owners.

SharePlex AI Insight - Release Notes

Updated - 5/3/2026

Version - 1.0

Contents

About SharePlex AI Insights	4
Key Feature and Enhancements	4
Simplified configuration of SharePlex AI Insights using the setup utility	4
Self-discovery of replication streams with named post queues	4
Visual capabilities for SharePlex processes	6
Interactive, chat-driven AI assistant for failure analysis	7
AI-Driven SharePlex performance analysis	9
Unsupported Features	10
Product Licensing	11
Third Party Contributions	12
About us	14
Contacting Quest	14
Technical Support Resources	14

About SharePlex AI Insights

SharePlex AI Insights extends SharePlex replication with intelligent observability and AI-driven diagnostics, enabling administrators and operations teams to proactively investigate, analyze, and troubleshoot SharePlex environments at scale.

Key Feature and Enhancements

SharePlex AI Insights offers the following key features and enhancements.

Simplified configuration of SharePlex AI Insights using the setup utility

The setup tool is an interactive command-line wizard that guides administrators through the complete deployment of the SharePlex® AI Insights application. It collects all required configuration inputs through prompted questions, generates a secure `.env` file, and orchestrates the Docker-based startup—eliminating the need for manual configuration file editing or direct Docker command execution.

```
[qarun1@PSOEL8kshravya02 release_v1_package]$ ./setup

=====
SharePlex® AI Insights - Interactive Setup
=====

# This setup wizard will help you configure the SharePlex® AI Insights application.
# Press Ctrl+C at any time to cancel.

=====

License Configuration
=====

Enter your license friendly name [PSOEL8kshravya02]:

=====

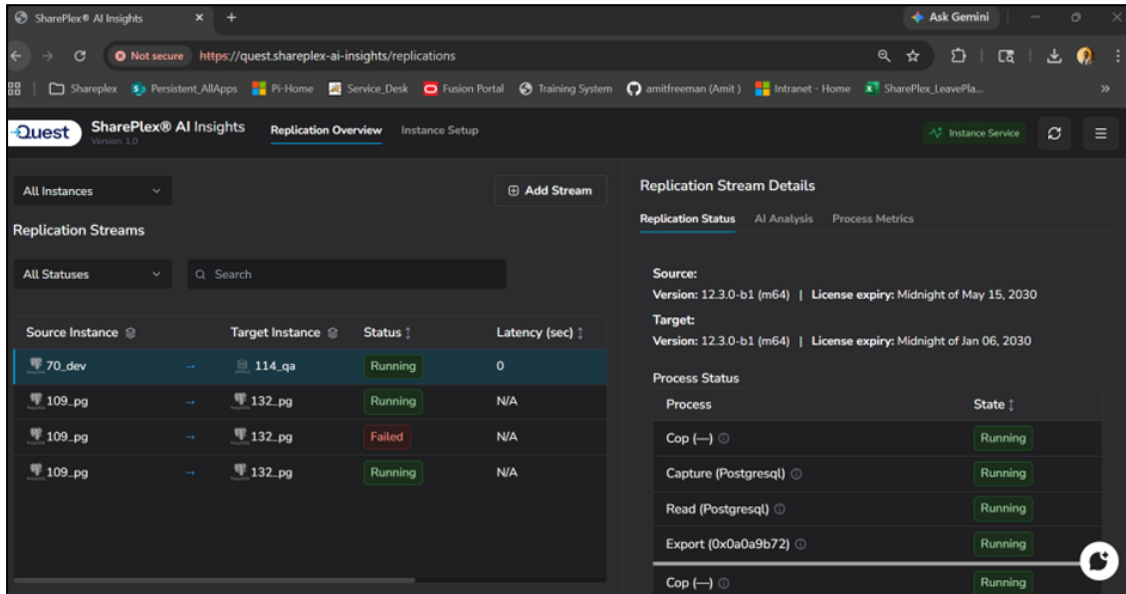
Logging Configuration
=====
```

Self-discovery of replication streams with named post queues

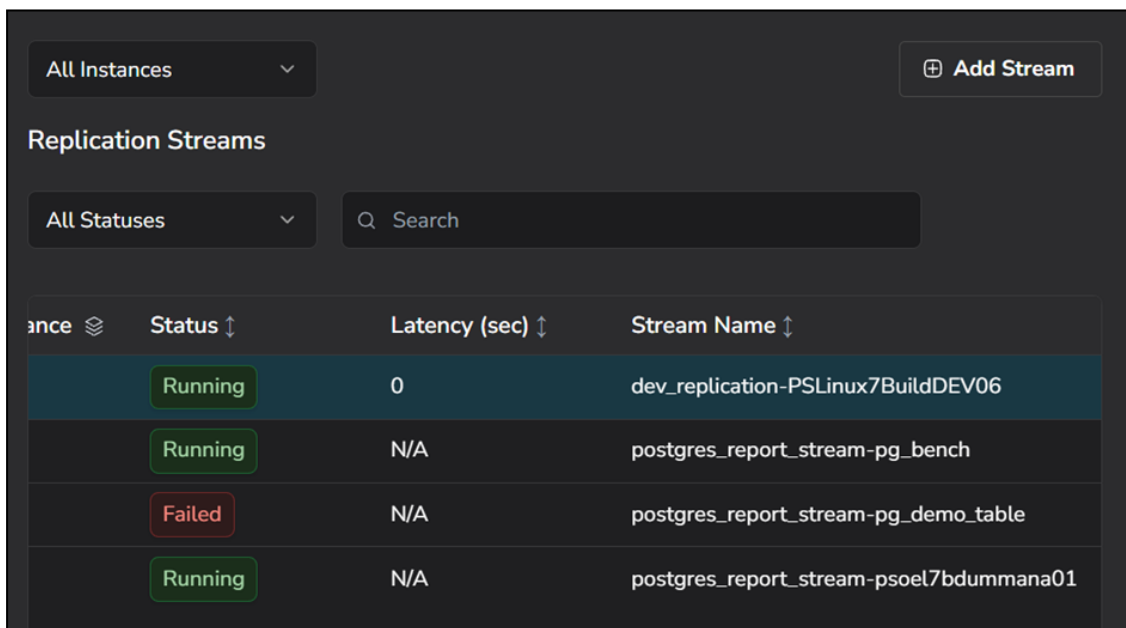
Once a user adds an instance containing multiple SharePlex streams to SharePlex AI Insights, it automatically discovers named post queues and maps them as separate streams for clear visibility.

Highlights include:

- Automatic discovery of source-to-target replication streams without manual configuration.



- Identification and grouping of replication paths using Named Post Queues, enabling logical separation of streams.



- Simplified visualization of complex replication topologies, including fan-in and fan-out configurations.
- Reduced operational overhead when managing environments with multiple replication streams or frequent topology changes.

This self-discovery capability improves manageability and helps teams quickly understand replication architecture as it evolves.

Visual capabilities for SharePlex processes

SharePlex AI Insights provides comprehensive, point in time overview of key SharePlex processes and replication components, enabling early detection of issues and improved operational visibility.

Key capabilities include:

- A snapshot overview of SharePlex process statuses at a given point in time, such as Cop, Capture, Read, Export, Import, and Post.

The screenshot displays the 'Replication Stream Details' interface. It features three tabs: 'Replication Status' (selected), 'AI Analysis', and 'Process Metrics'. Below the tabs, the 'Source' and 'Target' information is shown, including version (12.3.0-b1 m64) and license expiry dates. A 'Process Status' table lists various processes, their states (all 'Running'), backlog messages (all 0), and PIDs.

Process	State ↑	Backlog Messages	PID
Cop (—) ⓘ	Running	0	25949
Capture (Postgresql) ⓘ	Running	0	25954
Read (Postgresql) ⓘ	Running	0	25956
Export (0x0a0a9b72) ⓘ	Running	0	26304
Cop (—) ⓘ	Running	0	2604783
Import (PSLinux7BuildDEV06) ⓘ	Running	0	3651585
Post (r.aparopka-o.p19c) ⓘ	Running	0	2605174

- Visibility into process health, state transitions, and restart events.

- On demand access to queue status and backlog trends, including latency indicators that may impact replication SLAs.

Replication Stream Details


Replication Status | AI Analysis | Process Metrics

Source:
Version: 12.3.0-b1 (m64) | License expiry: Midnight of May 15, 2030

Target:
Version: 12.3.0-b1 (m64) | License expiry: Midnight of Jan 06, 2030

Process Status

Backlog Messages	PID	Instance Key	Queue
0	25949	70_dev	—
0	25954	70_dev	r.aparopka
0	25956	70_dev	r.aparopka
0	26304	70_dev	PSLinux7Bu
0	2604783	114_qa	—
0	3651589	114_qa	PSLinux7Bu
0	2605172	114_qa	PSLinux7Bu

Configuration 

- Correlation of process metrics with replication performance to help identify bottlenecks and abnormal behavior.
- Centralized dashboard view of multiple SharePlex instances and environments.

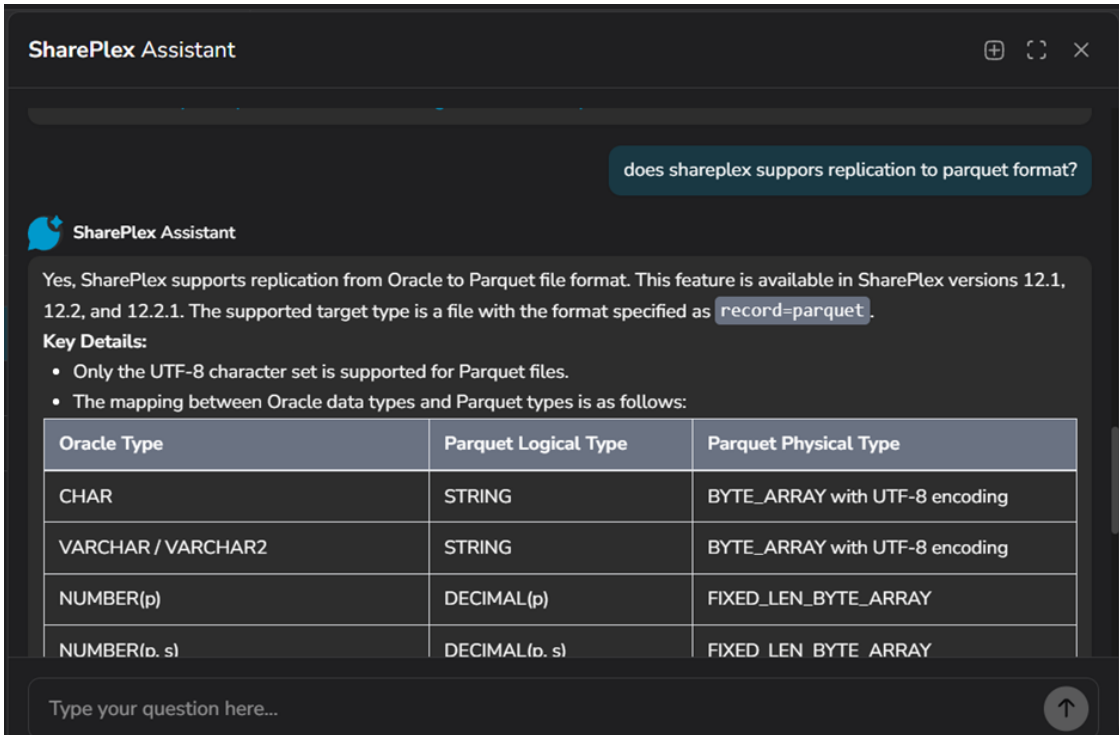
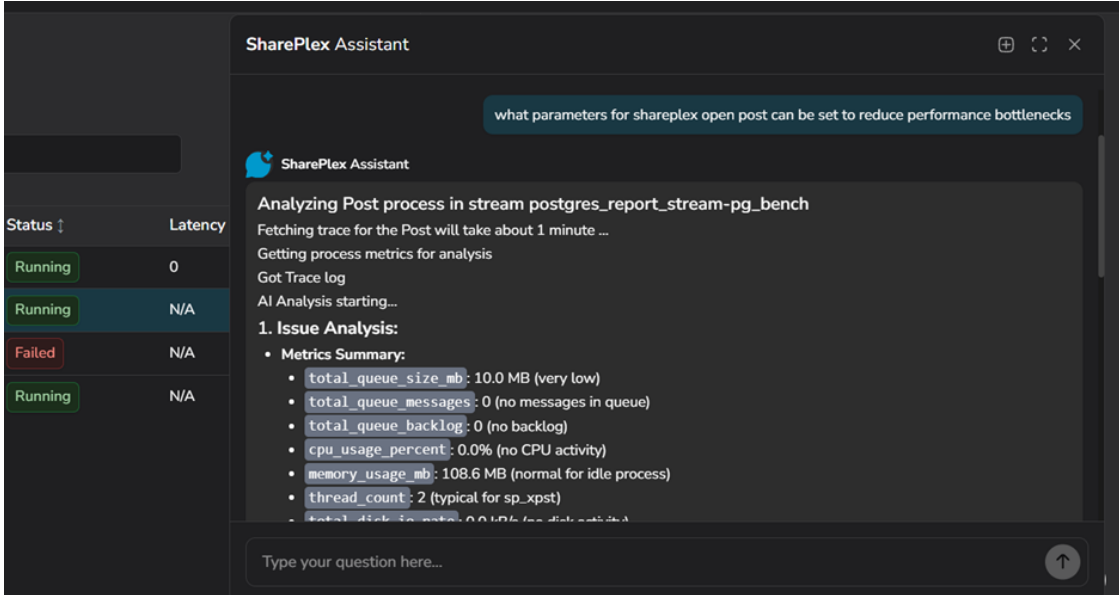
This enhanced visual capability helps administrators quickly assess the health of replication streams and take corrective action before issues affect downstream systems.

Interactive, chat-driven AI assistant for failure analysis

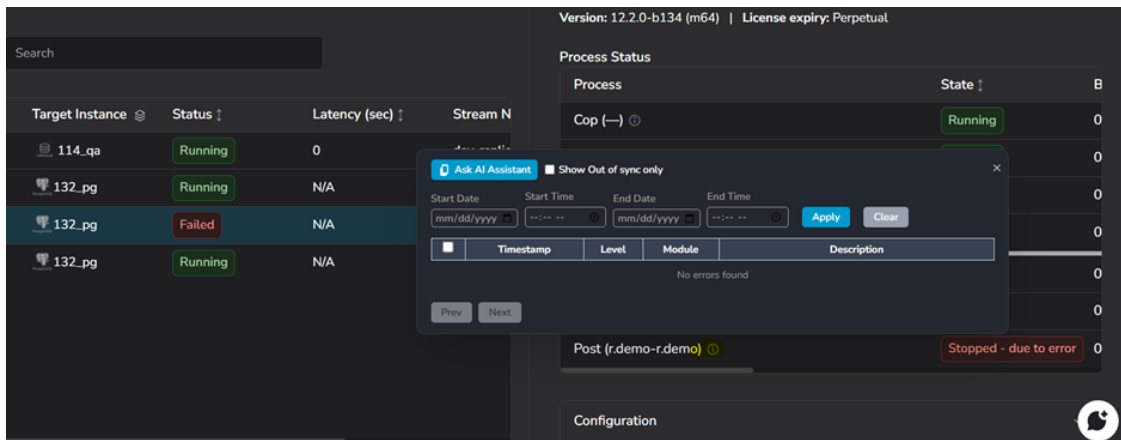
- SharePlex AI Insights introduces an interactive, chat-based AI assistant designed to accelerate troubleshooting and root-cause analysis of SharePlex process failures.

Capabilities include:

- Natural language interaction for querying SharePlex process status, errors, and events.



- Automated analysis of SharePlex logs and runtime data to identify probable causes of process failures.



- Contextual insights and guided recommendations for resolution steps.
- Reduced dependency on manual log inspection and expert intervention.

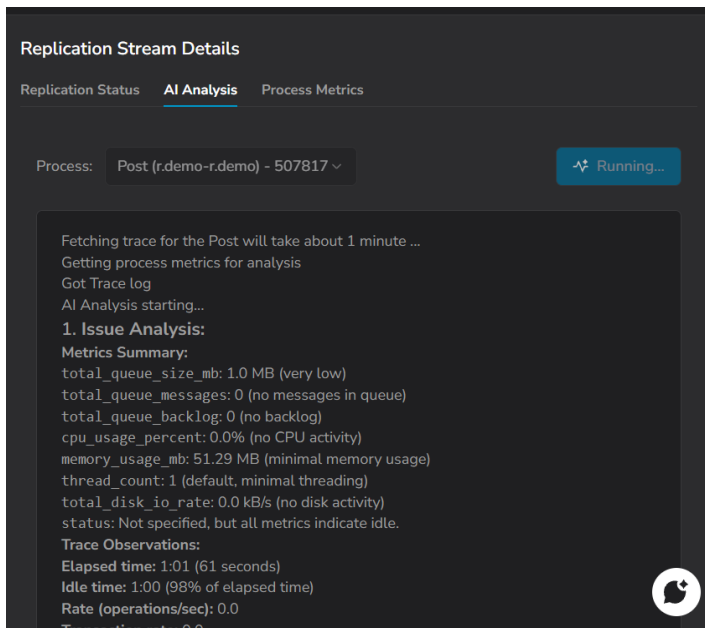
The AI assistant helps operations teams diagnose issues faster, and overall system reliability.

AI-Driven SharePlex performance analysis

SharePlex AI Insights applies AI-assisted analysis to replication performance data, helping users identify inefficiencies and optimize replication throughput.

Key benefits include:

- Analysis of replication latency, queue growth patterns, and process throughput.



- Identification of performance anomalies and deviation from baseline behavior.
- Insights into potential causes of performance degradation, such as resource contention or configuration constraints.
- Actionable recommendations to improve replication efficiency and stability.
- Generated AI analysis can be saved as a PDF file for later use.

2. Root Cause:
No issues detected. All metrics are within normal operating ranges.
The process appears idle, likely due to no replication activity or backlog.

3. Recommendations - Parameter Tuning:
No parameter changes needed.

4. Config File Changes:
No config file changes needed.


5. Priority Order for Implementing Changes:
No changes needed.

6. Expected Performance Improvement:
System is already operating optimally for the current workload.
No improvements necessary or expected.

Follow-up questions:

1. [What should I monitor if replication activity increases for the sp_ocap process? Are there any recommended best practices for tuning sp_ocap during periods of high database activity?](#)
2. [How can I identify when to increase the thread count or adjust queue parameters for sp_ocap?](#)
3. [What are the signs of capture lag or bottlenecks in SharePlex, and how should I respond?](#)
4. [Is there a way to proactively alert on queue size or CPU usage thresholds for SharePlex processes?](#)
5. [SharePlex processes?](#)

[Save as PDF](#)



This performance analysis capability enables proactive tuning of SharePlex environments and helps ensure consistent, high-performance data replication.

Unsupported Features

- SharePlex instances on **Windows** and **Unix** cannot be configured in SharePlex AI Insights.
- Cascading replication setups of SharePlex cannot be configured in SharePlex AI Insights.

Product Licensing

To use SharePlex AI Insights, users must have an active SharePlex AI Insights subscription.

For more details, please contact [Quest Support](#).

Third Party Contributions

This product contains the following third-party components.

- python 3.13-slim
- fluent-bit 3.2
- traefik 3.6.6
- dragonfly 1.37.0
- influxdb3

Python libraries

- fastapi>=0.111.0
- uvicorn[standard]>=0.30.1
- gunicorn>=23.0.0
- uvicorn-worker>=0.4.0
- orjson>=3.10.5
- python-dotenv>=1.0.1
- PyJWT[crypto]>=2.8.0
- itsdangerous>=2.2.0
- httpx>=0.28.1
- httpx-sse>=0.4.1
- asyncssh>=2.21.1
- aiosqlite>=0.21.0
- aiohttp>=3.9.0,<4.0.0
- scikit-learn>=1.3.0
- redis>=5.0.0,<6.0.0
- fastmcp>=0.2.0
- pydantic>=2.11.0
- bcrypt>=4.0.1
- cffi>=1.15.0

User Interface Libraries

- @tanstack/react-query: 5.14.2
- axios: 1.15.0
- jspdf: 4.2.1
- prismjs: 1.30.0
- react: 18.2.0
- react-dom: 18.2.0
- react-markdown: 9.0.1
- react-router-dom: 7.14.0
- react-syntax-highlighter: 15.5.0
- rehype-raw: 7.0.0
- rehype-sanitize: 6.0.0
- remark-gfm: 4.0.0

About us

We are More than Just a Name

We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation™.

Our Brand, our Vision. Together.

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece — you — to the community, to the new Quest.

Contacting Quest

For sales or other inquiries, visit www.quest.com/contact.

Technical Support Resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product