



HawkSearch Release Note

Version: Evo

Date: May 2023

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Introduction

The Evo Release Notes are contained here. The requirements for each update are noted in this document.

Highlights from this release include

1. Presenting a polished dashboard design
2. Announcing a new advanced report in eCommerce360
3. Introducing the new Developer Portal

Interested in being our next case study?

Have you seen great results since you've started using HawkSearch and want to share your story? We'd love to hear about the results you're seeing! Email us at marketing@bridgeline.com to let us know you're interested!

Stay up to date with HawkSearch!

Be sure to follow HawkSearch on our social channels to stay up to date on the latest and greatest news from our team!

Facebook: <https://www.facebook.com/Hwksearch/>

Twitter: https://twitter.com/_HawkSearch

LinkedIn: <https://www.linkedin.com/company/hawk-search/>

If you have any questions or feedback about this release, please contact us at csd@bridgeline.com

Until next time,
The HawkSearch Team

Glossary of Terms

HawkSearch template versions:

- **HawkSearch v4.0** - Latest HawkSearch template that is based on Elasticsearch features
- **HawkSearch v4.0L** - Latest HawkSearch Lucene-based template
- **HawkSearch v3.0L** - Lucene-based version of HawkSearch template that doesn't include some of the features that v4.0L offers
- **HawkSearch v2.0L** - First version of HawkSearch template

Note: If your HawkSearch license is through one of our Partners, please reach out to them to see which features are available to you.

If you are hosting HawkSearch on premise, please contact your Client Success Director for details. If you are unclear on your version of HawkSearch, please contact: support@HawkSearch.com



New Feature



Feature and Usability Enhancement



Connectors



Important Updates



Additional Resources



Prerequisite/Requirements



Description



HawkSearch Template Version



Location

New Features



New Feature: Sleek and Intuitive Dashboard Redesign



Prerequisites: Available for HawkSearch v4.0 and HawkSearch v4.0L clients.



HawkSearch Template Version: HawkSearch v4.0 and HawkSearch v4.0L



Description: Revitalizing your interface for seamless navigation.

We're excited to present the latest evolution of our dashboard! Its fresh, new look lets you still enjoy your favorite features while making tasks even easier.

Key highlights of this update include:

- a. **Intuitive Layout:** Our reimagined layout is designed with your workflow in mind, including easy navigation and access to essential features and tools.
- b. **Modern Aesthetics:** A sleek, new design that looks amazing and delivers a more engaging and enjoyable user experience.
- c. **Familiar Yet Enhanced:** Enjoy all your favorite existing features, now seamlessly integrated into the new design.
- d. **Improved Usability:** A refined interface with clear visual cues, that ensures quick, intuitive and hassle-free interactions.

Embrace simplicity with our reimagined Dashboard Interface. We've replaced outdated designs with a user-friendly, modern layout - a perfect blend of new and familiar, to make your daily tasks smoother. Dive in and see the difference for yourself!



Location: HawkSearch dashboard



New Feature: New Total Daily Search Report for Data Driven Decisions



Prerequisites: Available for HawkSearch v4.0 and HawkSearch v4.0L clients.



HawkSearch Template Version: HawkSearch v4.0 and HawkSearch v4.0L



Description: Exploring trend insights for targeted optimization.

We are excited to announce the addition of the Total Daily Search to our eCommerce Advanced Reports. This addition will help you visualize search trends, enabling you to make data-driven decisions that optimize your search experience.

Key highlights of this update include:

- a. **Daily Search Breakdown:** Gain insights into the daily search volume, revealing patterns and trends in user behavior.
- b. **Interactive Visualization:** Easily identify trends and outliers through interactive graphs, customizable to specific time ranges.

By incorporating the Total Daily Search report into your workflow, you can monitor search trends, pinpoint areas for improvement, and leverage insights to create a more effective search experience for your users. Stay tuned for more updates and enhancements as we continue to refine and expand our advanced report's capabilities!

Get in touch with csd@bridgeline.com to set up your access.



Location: eCommerce360

Feature and Usability Enhancements



Feature Enhancement: Landing Page SEO Variables



Prerequisites: This update is available to HawkSearch v4.0 clients.



HawkSearch Template Version: HawkSearch v4.0



Description: Ensure search relevancy by reordering the content in HeaderTitle (Lucene) and PageHeading (Elastic).

Important Updates



Important Updates: New Developer Portal for Streamlined Implementation

We are thrilled to introduce our new Developer Portal, a one-stop platform designed to provide developers with a wide range of valuable resources. The portal is dedicated to offering a supportive environment for developers working with our API and ensuring optimal outcomes for your projects.

Key highlights of this update include:

1. **Master the API:** Detailed RESTful API documentation for indexing, search, dashboard, and tracking ensures a smooth integration experience and better understanding of the API's capabilities.
2. **Optimize with Confidence:** Our comprehensive documentation of best practices on Hawk's implementation ensures best performance and seamless integration with your projects.
3. **Jumpstart Your Success:** Our fundamental guides allow you to get Hawk up and running quickly, so you can focus on what matters most – building exceptional search experiences.
4. **Harness the Power of SDKs:** In-depth documentation about our React and Vue SDKs provides essential tools and resources to streamline your front-end development process.

5. **Seamless Integration Made Easy:** Extensive documentation about connectors for our partners will help you to simplify platform integration and promote seamless collaboration between systems.
6. **Revolutionize Your UI:** Discover our prebuilt UI library that can be used in your front-end implementation, enabling you to create visually stunning and user-friendly interfaces with ease.

As part of our commitment to your success, we will continuously update and expand the content in the Hawk Developer Portal to ensure it remains comprehensive, up-to-date, and relevant to your needs. We believe that by providing you with the tools and resources needed for streamlined implementation, we're laying the foundation for a lasting partnership.

[Discover this powerful resource now!](#)



Important Updates: API Updates

Query Parameter in Recommendation API

1. Prerequisites: This update is available to HawkSearch v4.0 clients
2. HawkSearch Template Version: HawkSearch v4.0
3. Description: Enable the ability to filter the returned results from recommendation API before displaying
4. Documentation: [Recommendation API](#)

Redirects in Autocomplete

1. Prerequisites: This update is available to HawkSearch v4.0 clients
2. HawkSearch Template Version: HawkSearch v4.0
3. Description: Support redirects within the autocomplete API
4. Documentation: [Autocomplete API](#)

Visitor Target in Autocomplete

1. Prerequisites: This update is available to HawkSearch v4.0 clients
2. HawkSearch Template Version: HawkSearch v4.0
3. Description: Support Visitor Target within autocomplete API
4. Documentation: [Autocomplete API](#)

Enhanced Product Boost Consistency

1. Prerequisites: This update is available to HawkSearch v4.0 clients
2. HawkSearch Template Version: HawkSearch v4.0
3. Description: Include a 'size' property while preparing percolator query to ensure the consistency of the product boost

Performance Optimization in 'No Matching Results' Report

1. Prerequisites: This update is available to HawkSearch v4.0 clients
2. HawkSearch Template Version: HawkSearch v4.0
3. Description: Update the request method to improve the “No Matching Results” report performance

Addressed Rebuild-All Timeout in Indexing API

1. Prerequisites: This update is available to HawkSearch v4.0 clients
2. HawkSearch Template Version: HawkSearch v4.0
3. Description: Enhance rebuild method to resolve the timeout issue in indexing API



Important Updates: Rapid UI Updates

V3.0.0

New Feature/Enhancement

1. Instant engage
2. Display previous autocomplete when refocusing on search field
3. Removal of custom templates as content
4. New instance-level config options

Bug Fix

1. Eliminate double click required to expand facets collapsed by default

V4.0.0

New Feature/Enhancement

1. Property to toggle autocomplete recommendations
2. Ratings display
3. Did You Mean in autocomplete
4. Product ratings and prices in autocomplete
5. Refactor config object to group options by type

V4.0.2

Bug Fix

1. Fix number and currency helpers to handle string values from API

V4.0.3

Bug Fix

1. Fix URL parsing logic to avoid prepending domain when API returns value starting with //

Connectors



BigCommerce Connector

Description: We have made the following updates to our BigCommerce Connector:

1. Improved field creation logic to ensure proper creation of the "sortorder" field. The field is now a non-stemmed, SINGLE, and sortable field. Previous incorrect creation of this field resulted in landing page creation failure due to missing sortable attributes.
2. Fixed an issue where null CustomURL objects in the Category structure caused the generation task to fail. CustomURLs that are empty will now be included in the Indexing logs and the generation process will continue uninterrupted. If a CustomURL object is empty for a category, a landing page will not be created.

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Magento – Lucene Connector

Description: We have made the following updates to our Magento-Lucene Connector:

Datafeed v2.6.0 (3/9/2023)

Fixes

1. Fix Deprecation error (PHP 8.1) when scheduling feed generation (#HC-1379)

Updates

1. Update all URL references to Hawksearch API and Search servers (#HC-1312)

Proxy v2.6.0 (3/9/2023)

Fixes

1. Fix bin/magento hawksearch:proxy:sync-categories command didn't send Landing pages to Hawk (#HC-1370)
2. Fix trailing slashes in Hawksearch API URLs (#HC-1279)

Updates

1. Update all URL references to Hawksearch API and Search servers (#HC-1312)

[Release Note](#)



Magento – Elastic Connector

Description: We have made the following updates to our Magento-Elastic Connector:

ADDED

1. Rework UI interface for mapping Hawksearch fields to Magento attributes (#5), Refs: #HC-1227
2. Add listing of Hawksearch scheduled bulks (#7), Refs: #HC-1317
3. Add "Hawksearch Categories" indexer. Add LandingPage entity in hawksearch.esindexing consumer (#9), Refs: #HC-1400
4. Add support for sorting by product position on category pages (9dfcdbf), Refs: #HC-1213, #RR-28

UPDATED

1. Update Hawksearch indexers dependencies (e0510ad), Refs: #HC-1400
2. Invalidate indexers on Store view and Store group changes, after Product attribute changes (#13), Refs: #HC-1406

FIXED

1. Fix ACL in System Configuration for Hawksearch sections (#6), Refs: #HC-1315
2. Fix Landing page is not updated after editing Magento category for the second time (#10)
3. Fix consumer is crashing when sync landing pages (9ab04ff)
4. Fix bug when product stock status changes are not taken into account when consumer is continuously running (98364c3)
5. Fix fatal error during reindexing when there are no indexes in the Hawksearch Engine (#11), Refs: #HC-58
6. Update indexers after product import (dcddb0), Refs: #HC-1322
7. Fix linked Category are not updated after product save (#12), Refs: #HC-1405
8. Fix linked Category are not updated after product delete (#14), Refs: #HC-1405

9. Deactivate landing pages cache to fix category status updates issue (#15), Refs: #HC-1401

REMOVED

1. Remove hawksearch:sync-categories CLI command (#9), Refs: #HC-1400

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Sitefinity Connector

Description: We have made the following updates to our Sitefinity Connector:

1. Supported Sitefinity versions: 13.3.7600
2. Hawksearch V4
 - a. VUE SDK
 - i. Cookies are now marked with the “secure” attribute.
 - ii. For more information see this documentation on secure cookies

[Secure Cookie Attribute | OWASP Foundation](#)

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Kentico – Elastic Connector

Description: We have made the following updates to our Kentico Connector:

1. Supported Kentico Version: Kentico 13
2. Version: 13.8.15
 - a. SQL installation scripts made compatible with SQL Server 2012 and up
 - b. Renamed dependency in Hawksearch.Kentico.Xperience.UI, Hawksearch.Kentico.Xperience → Hawksearch.Kentico.Xperience.CMS

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Additional Resources



Appendix A – Implementing Version 2 Tracking

Upgrading to Version 2 tracking (v2) requires some work on the front-end to insert JavaScript that is used to track events. There is also work required on the HawkSearch side. When you are ready to upgrade your tracking, we ask that you contact your account manager and review the documentation mentioned below.

[Read more about v2 Tracking](#)



Appendix B – API Documentation

- [Hawksearch V4.0](#)
- [Dashboard API Documentation](#)
- [Global Objects](#)
- [Event Tracking](#)
- [Recommendation API](#)
- [Hawksearch v2.0L - v4.0L \(Lucene\)](#)