



Voyager Search version 1.9.7 Release Notes

About this Release

We're excited to announce the release of Voyager version 1.9.7. We've added some great new features including a new Community Extension, improved security, additional processing options and the first stage of a redesigned Management UI. All of these and other new features are described in more detail below

New Features in 1.9.7

Voyager Community Extension

Voyager version 1.9.7 introduces the Voyager Community Extension. The Community Extension is intended for organizations that wish to augment the index with user-generated content and give more control to data stewards, who know the content best. The Pro version of Voyager includes the Community Extension or it can be added onto a Voyager Basic license. The Community Extension includes the following:

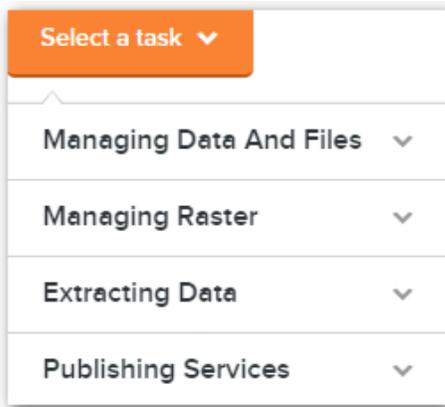
- **Tagging**, which can be used to gather community feedback and provide insight about quality and interest in any given item.
- **Flagging**, which allows data stewards to promote featured content and make the most relevant content available quickly to their users.
- **Field Editing**, which allows data stewards to update or extend an item's presentation in Navigo without changing the source data.

The Navigo home page gives organizations a way to highlight new or important content and Quick Links make it easier for user to get to the most useful information without navigating through all of the items in the index.

Processing Framework

The Processing Framework has been enhanced, new tasks have been added, and existing workflows improved.

- Tasks are now grouped to make it easier to find related tasks without having to search the entire list.



- On some tasks like **Clip to Feature**, users can search for items in the index to use in the task rather than having to copy and paste a path to the data.
- New processing tasks include:
 - **Add Field** — adds a new field to the input feature class or table and can populate the field's value
 - **Clip by Polygon** - clips selected results to a polygon drawn by the user
 - **Clip by Features** — clips selected results using a polygon from the index
 - **Create Layer Files** — creates shortcuts (.lyr files) within ArcGIS allowing users to more easily access their data without downloading it first
 - **Export Result List** — exports search results to CSV, shapefile or XML document
 - **LocateXT ArcGIS Tool** — extracts coordinates, user-defined place names, dates and other critical information from unstructured data into common, spatial data formats like a Shapefile or KML. (Requires ClearTerra License Server and LocateXT ArcGIS for Server Tool 1.2.)

Management UI Redesign

The redesign of Voyager's Management UI has begun. Improvements to the usability and visual design will continue for several releases.

- The Locations page now supports sorting and searching.
- Index-related actions (Scan, Rebuild, and others) can be run without opening a Location's detail page.
- Actions can be run on multiple locations simultaneously.
- Add Locations options have been moved to a separate section along with some explanatory text for each type of connection that is being made.

Thumbnails and Preview Images

- RSS thumbnails use the feed item's primary image, if one is available.

- Thumbnails have been improved ArcGIS services including the creation of thumbnails for most map service layers.
- Vector content locations now include a thumbnail option to superimpose geometry on a base map.



ArcMap Toolbar

The **Voyager-ArcMap toolbar** now supports opening items in the Navigo app. In addition, users can choose to turn visibility on or off when layers are added to ArcMap to avoid delays for layers that take a while to display

Indexing Framework

Several important changes were made to our indexing framework:

- Voyager has always stored an item's bounding box. But now it can store and show an item's full geometry or a generalized version of it.
- Voyager's indexing pipeline can be extended with custom logic written in Python or Javascript.
- Voyager has integrated the capabilities of LocateXT for sophisticated geo-tagging and coordinate extraction.
- We've added support for indexing the following **new formats**:
 - **AVRO** — a data serialization framework developed within Apache's Hadoop project
 - **JSON** — a lightweight data interchange format used widely by developers
 - **CKAN** — The Comprehensive Knowledge Archive Network is a web-based, open-source data management system for the storage and distribution of data
 - **POD** — Project Open Data Metadata Schema is a widely used standard for exposing a catalogue of data on the web

Security Improvements

The security framework has been improved from several perspectives:

- Support for item level content filtering of ArcGIS Server/Portal content based on Windows AD user permissions
- Navigo now supports SAML and the authentication model was extended to ensure safe, stateless access to web services and web applications such as ArcGIS Online.

- Voyager supports safe, secure access through JSON Web Tokens (JWT). This means that administrators can now see all of the active sessions in Voyager and that Voyager components communicate more securely.

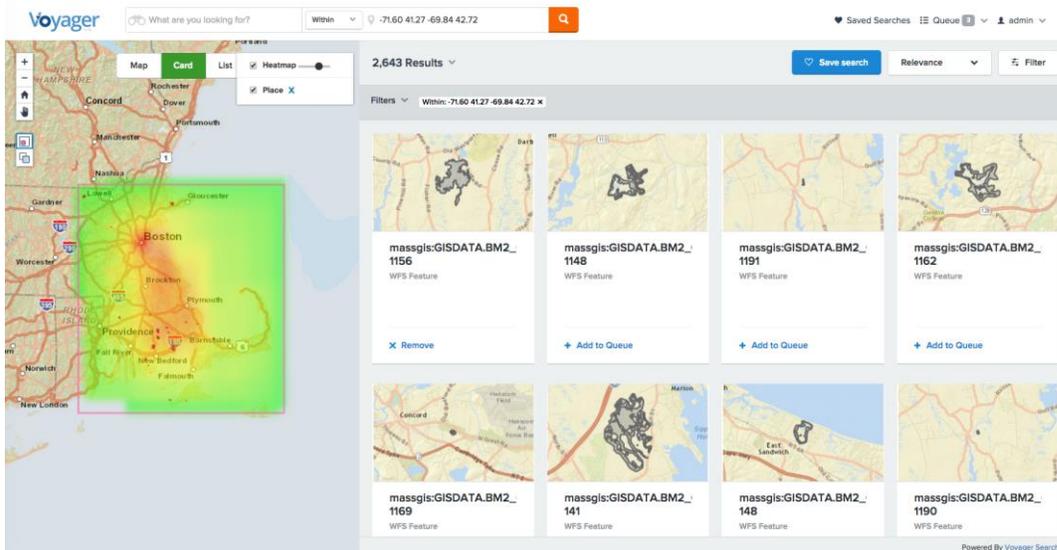
The screenshot shows the Voyager interface with a sidebar on the left containing navigation options: Discovery, Index, Settings, Extensions, Security, and System. The main content area is titled 'Sessions' under the 'Manage / Security' section. It displays a table of active sessions with the following columns: User, Host, Path, Logon, Access, and Expiry. The table contains 16 rows of session data.

User	Host	Path	Logon	Access	Expiry
admin	192.168.1.22	/daily/api/rest/auth/login.json	2:15 PM 1 hour ago	3:18 PM minutes ago	2:15 PM 1 month from now
admin	192.168.1.22	/daily/api/rest/auth/login.json	1:30 PM 2 hours ago	2:54 PM 25 minutes ago	1:30 PM 1 month from now
admin	192.168.1.22	/daily/api/rest/auth/login.json	2:43 PM 38 minutes ago	2:43 PM 35 minutes ago	3:03 PM 18 minutes ago
admin	192.168.1.22	/daily/api/rest/auth/login.json	2:38 PM 41 minutes ago	2:39 PM 39 minutes ago	2:58 PM 21 minutes ago
admin	192.168.1.22	/daily/api/rest/auth/login.json	2:22 PM 57 minutes ago	2:22 PM 56 minutes ago	2:42 PM 37 minutes ago
admin	192.168.1.22	/daily/api/rest/auth/login.json	2:16 PM 1 hour ago	2:21 PM 57 minutes ago	2:36 PM 42 minutes ago
Supervisor in charge	192.168.1.22	/daily/api/rest/auth/login.json	1:19 PM 2 hours ago	2:05 PM 1 hour ago	1:19 PM 1 month from now
admin	192.168.1.22	/daily/api/rest/auth/login.json	1:54 PM 1 hour ago	1:56 PM 1 hour ago	2:14 PM 1 hour ago
admin	192.168.1.22	/daily/api/rest/auth/login.json	1:46 PM 2 hours ago	1:47 PM 2 hours ago	2:06 PM 1 hour ago
admin	192.168.1.22	/daily/api/rest/auth/login.json	1:44 PM 2 hours ago	1:45 PM 2 hours ago	2:04 PM 1 hour ago
admin	192.168.1.22	/daily/api/rest/auth/login.json	1:43 PM 2 hours ago	1:44 PM 2 hours ago	2:03 PM 1 hour ago
admin	192.168.1.22	/daily/api/rest/auth/login.json	1:40 PM 2 hours ago	1:42 PM 2 hours ago	1:40 PM 1 month from now
admin	192.168.1.22	/daily/api/rest/auth/login.json	1:34 PM 2 hours ago	1:40 PM 2 hours ago	1:54 PM 1 hour ago
admin	192.168.1.22	/daily/api/rest/auth/login.json	1:31 PM 2 hours ago	1:34 PM 2 hours ago	1:51 PM 1 hour ago

Navigo Improvements

In Navigo, several features were added:

- A document can be opened directly from its source location, using Open (from the Tools menu). Until now the Download tool created a copy of a document, but Open works with the original. Both options are still available in Navigo and can be configured to appear in the Navigo app. Open is available natively in Internet Explorer; however Firefox and Chrome require a third-party extension.
- Web services can be opened with Latitude Geographics' Geocortex viewers in addition to ArcGIS Online and ArcGIS Portal.



Improved Display of Search Results on Map

- A heatmap layer visualizes the concentration of results. The heatmap shows the relative density of search results for your query, giving users a quick visual estimate of how and where content is distributed.
- Voyager's performance has been improved when drawing search results on the map.
- Administrators have the ability to control line styles and colors for the map controls.

Self-Service Portal

Customers can now access a self-service portal that allows them to:

- Access and manage their existing software license information.
- Request evaluation licenses.
- Download all released versions of Voyager.