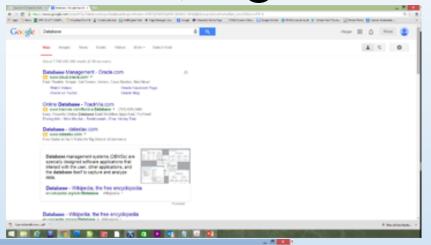


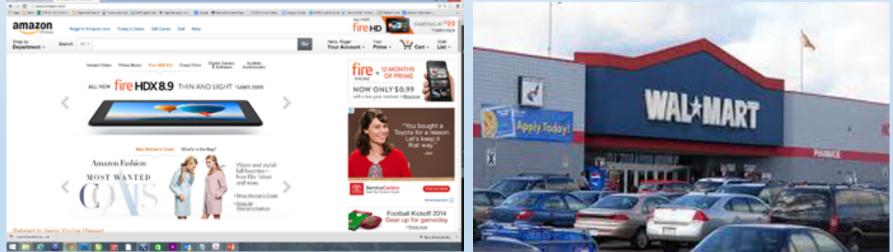
Specify as a database management tool

Roger J. Burkhalter Sam Noble Oklahoma Museum of Natural History University of Oklahoma

Databases are the backbone of a connected, digital society.



From essentially all websites....



To online shopping....

To brick and mortar store shopping.

Large corporate databases have a few things in common:

- Tight security (hopefully). Years of upgrades to meet
- SQL-based database engines.
- Atomized, relational data Transparent end-user schema
- Client-server configuration.

- growth.
- Configurable.
- interface.
- Technical support.

Specify is a database platform designed for the needs of biological collections.



- Tight security (multiple levels).
- SQL-based database engine.
- Atomized, relational data schema
- Client-server or stand-alone configuration.
- Years of upgrades (schema modifications and additions).
- Highly customizable.
- Multi-platform (Windows, Mac OS X, and Linux).
- Seamless communication with data aggregators.
- Ongoing technical support.

Specify is has a MySQL data engine and is programmed in Java. Specify, MySQL and Java are free of charge and open-source.







The Specify Software Project can convert existing collection data to Specify, provide training, and support at no cost.

Because Specify is open-source, there is no need for a source escrow, all tables, relationships, and coding are in the public domain. Additionally, because it is based in MySQL, tables can easily be exported in common formats.

Numerous tools are built into Specify to help with database management.

- Importing records
- Queries
- Georeferencing
- Reporting
- Labels
- Taxonomy
- Storage location
- Condition Reports

- Associated images and documents (specimens, localities, etc.)
- .Molecular data
- Web publishing
- GUID's and UUID's
- DwC exporting and publishing

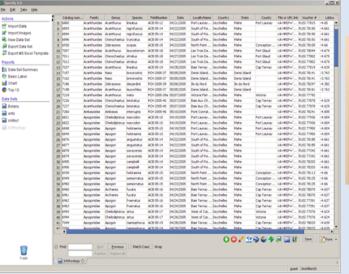
Label image

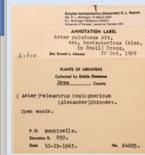






Specify WorkBench











Import into Specify database

Taxonomy is expressed as a tree and is fully editable:

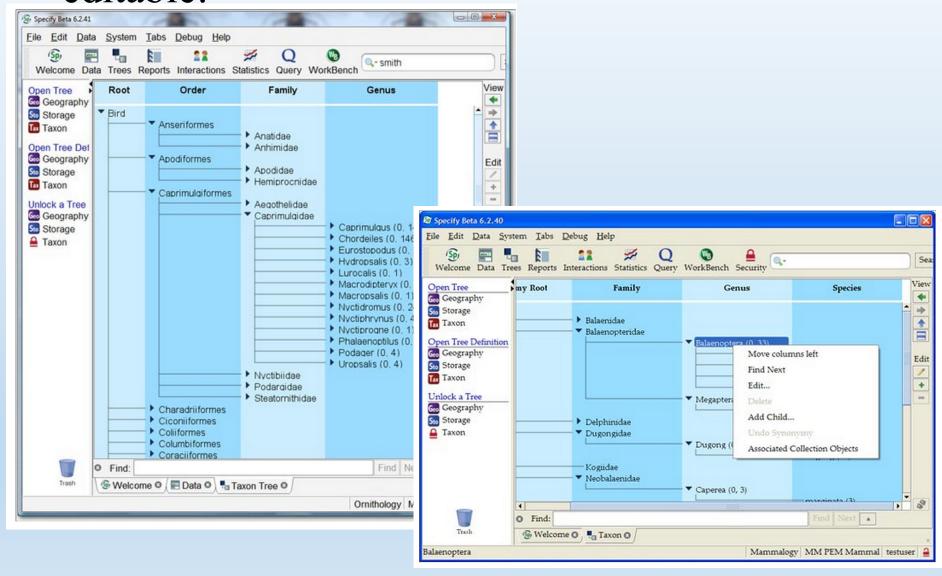
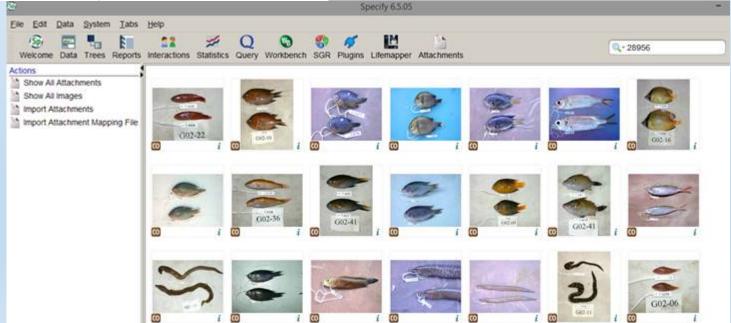
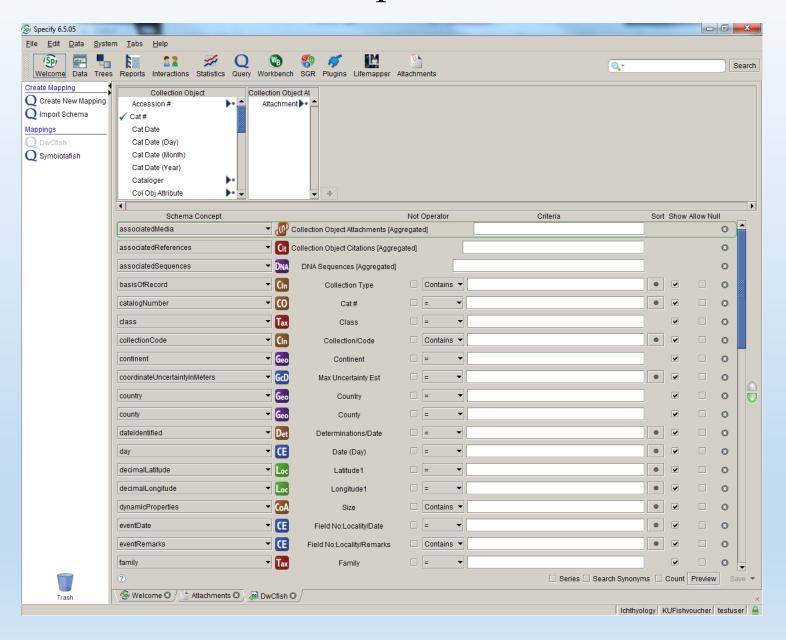


Image and document associations

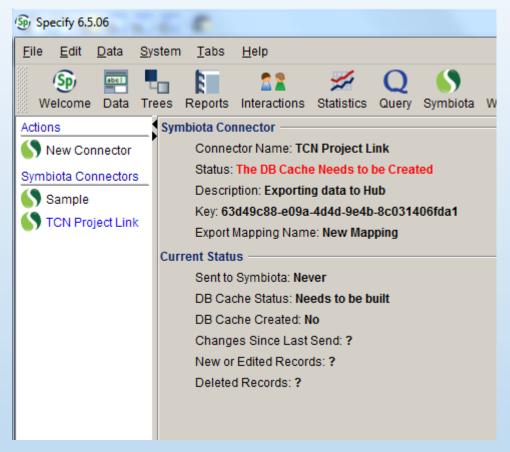
2 12354 Acipenses dorsal.jpg 3 12354 Acipenses frontal.JPEG 4 12355 Alosa mediocris.pdf	
4 12355 Alosa mediocris.pdf	
5 12356 Clupea pallasii.jpg	
6 12357 Clupea bentincki.jpg	
7 12360 Sardina pilchardus frontal.jpg	
8 12360 Sardina pilchardus dorsal.jpg	
9 12360 Sardina pilchardus left lateral	.jpg
10 12360 Sardina pilchardus right latera	al.jpg
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12 40053 IMG_487548.png	
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DwC export filters

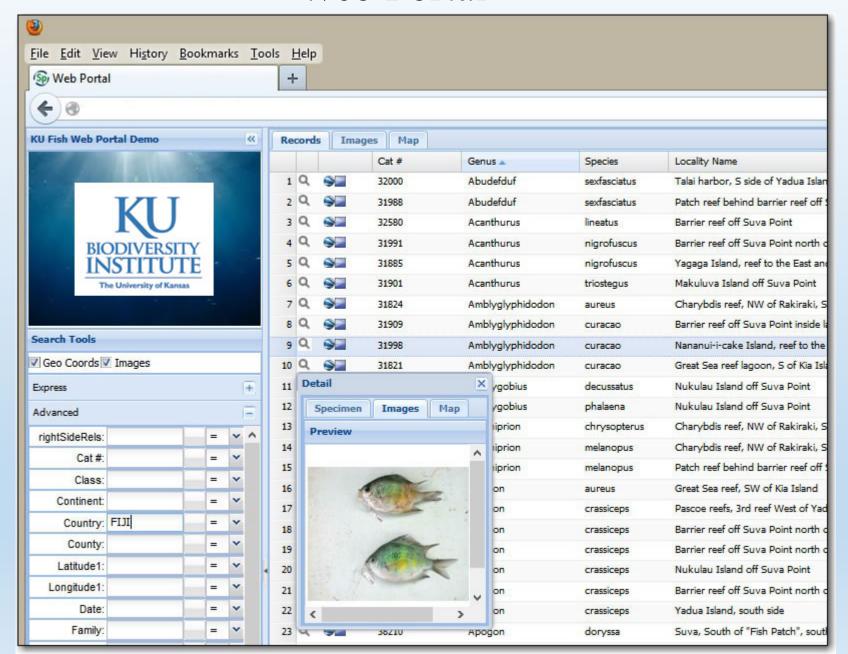


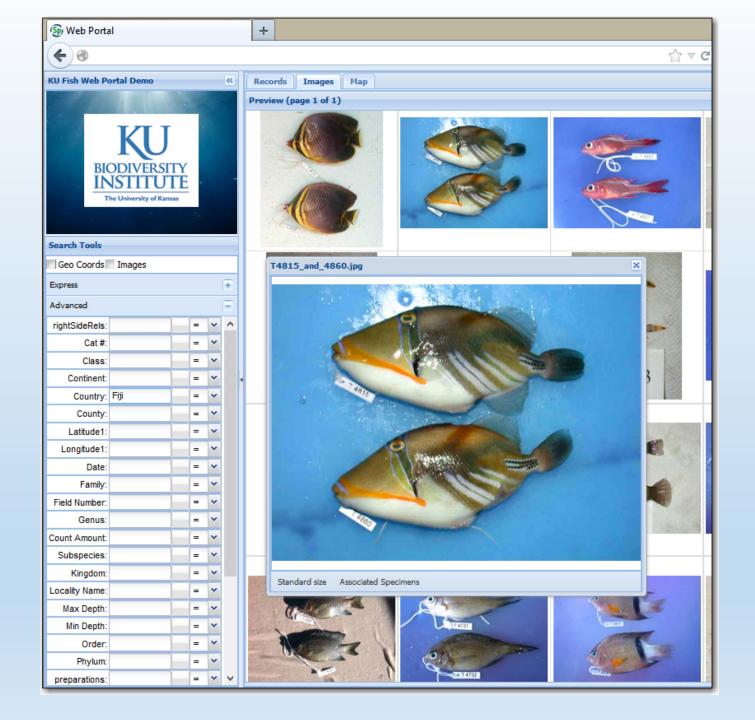
Symbiota Connector



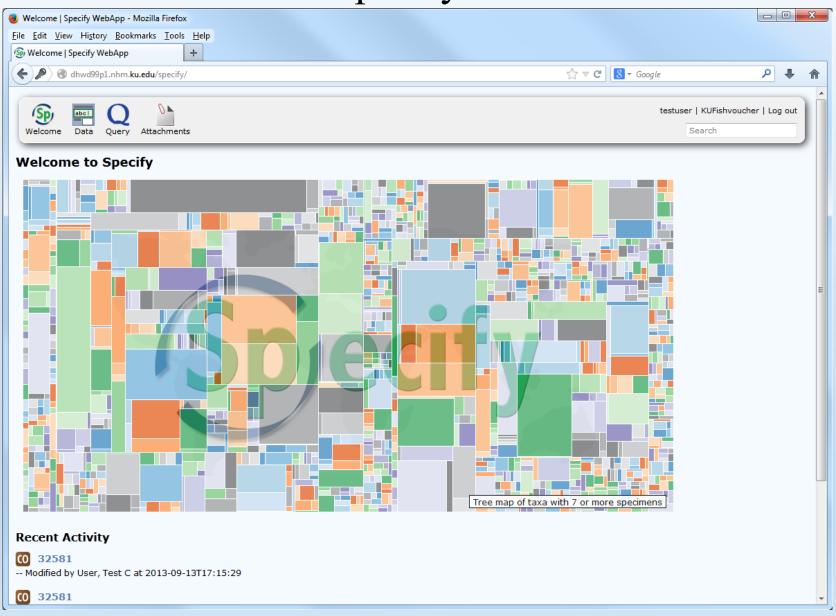
Pushes data to Symbiota, later point release (Fall 2014) allows a 2-way connection.

Web Portal





Specify 7





specify@ku.edu www.specifysoftware.org



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