

EGC Priority	Story - Requirement	Socrata Pilot Test	Socrata Pilot Test notes	CKAN Pilot Test	CKAN Pilot Test Notes
1-High	As a User, I want "authoritative" datasets to be discoverable and clearly identified.	Not Tested	Maybe via keywords?	Fully Supported	Datasets can be promoted by category or publishing organization
1-High	As a User, I want a browser-based Data Warehouse solution that does not require a browser plug-in.	Fully Supported		Fully Supported	All Javascript
1-High	As a User, I want a robust and easy-to-use search engine to help me find the geospatial data, web services, and web/mobile/desktop applications.	Partially Supported	Pretty good search engine. Fast. However, test search for the keyword "telecom" did not return Broadband dataset, but search for "telecommunications" did. Strange.	Partially Supported	Search is big and powerful for data & APIs, but not sure about applications
1-High	As a User, I want access to aerial photos (eg: VT orthos) with no downloading required (ie: as a web service).	Not Supported	Unable to use ArcGIS Server Image Services. Limited to Map Services only	Fully Supported	CKAN catalogs any API endpoint (WMS, TileJSON, etc), and can preview WMS in the browser
1-High	As a User, I want access to historical aerial photos.	Fully Supported		Fully Supported	Should be tagged and grouped as "historical", and ideally served as WMS
1-High	As a User, I want access to imagery organized by year (whether for download or web service).	Fully Supported		Partially Supported	Not immediately apparent if there's a structured date-range search, but this can be done through tags and notes
1-High	As a User, I want access to VT GIS data layers with no downloading required (ie: as a web service).	Not Supported	SODA is so limited in this area that its basically useless	Not Supported	Burden is on the publisher
1-High	As a User, I want data and imagery downloads to include embedded metadata.	Workaround Possible	If imagery is zipped and metadata is included in the zip	Partially Supported	OGC metadata is supported, but this may require custom packaging
1-High	As a User, I want metadata that is easy to read with a quick way to get to attribute descriptions and attribute codes.	Not Supported	Unable to harvest FGDC or ISO metadata	Partially Supported	OGC metadata is supported (http://osgeo-org.1560.x6.nabble.com/CKAN-csw-Metadata-Harvesting-td5073100.html), but quick access to attributes might be dependent on whether the data is in a previewable format.
1-High	As a User, I want to download aerial photos (eg: VT orthos) so I can use them on my computer.	Workaround Possible	Unable to upload imagery due to file format and size limitations. Able to "link to external" as a workaround	Fully Supported	Can be cataloged as with other resources, but would need to be hosted on an attached storage volume (i.e. S3)

1-High	As a User, I want to download VT GIS data layers and imagery (aerial photos) only for a particular area that I specify (eg: clip & zip).	Not Supported		Not Tested	This is within the capabilities of the PostGIS backend, but only as an operation on groups of cataloged resources. You could get every aerial photo within a bounding box (multiple unique resources), but not the set of GeoNames points within a bounding box (a subset of a single resource).
1-High	As a User, I want to download VT GIS data layers in ESRI file geodatabase format.	Workaround Possible	Possible to uploaded "attachment" as zipped FGDB.	Fully Supported	Why not? No preview available though.
1-High	As a User, I want to download VT GIS data layers in ESRI shapefile format.	Fully Supported		Fully Supported	Same
2-Medium	As a User, I want access to "help" resources and media (such as YouTube videos) on how to use GIS data, web services, web applications, products (eg: layer package), and tools (eg: scripts and geoprocessing tools).	Not Tested		Fully Supported	CKAN can be customized to include documentation pages, and muc of this could be slotted into resource descriptions and group/org pages
2-Medium	As a User, I want access to data and web services which are openly available in a manner consistent with OpenDefinition.org's definition .	Not Tested		Partially Supported	Much of this depends on the publisher
2-Medium	As a User, I want access to data standards and data templates for download.	Fully Supported	Most standard document types can be posted.	Fully Supported	Anything can be cataloged
2-Medium	As a User, I want access to ESRI layerfile packages.	Workaround Possible	Possible to uploaded "attachment" as zipped LPK files.	Fully Supported	No preview
2-Medium	As a User, I want access to ESRI layerfiles (symbology) used to render GIS data layers.	Workaround Possible	Possible to uploaded "attachment" as zipped LPK files.	Fully Supported	No preview
2-Medium	As a User, I want access to historical "snapshots" of VT GIS data.	Workaround Possible	Requires posting separate datasets for each "snapshot"	Partially Supported	There's no explicit versioning in the CKAN front end, but there's an excellent history stream showing when and how things have been modified.
2-Medium	As a User, I want all data that I find to be available for download (not just a link to an external website).	Partially Supported	Some data can't be uploaded due to size or file format and therefore a link must be used	Fully Supported	Cataloged resources are not redirected to their original sources, and there's the option to host everything in an attached volume anyway.

2-Medium	As a User, I want all of the data to have the good metadata and keyword tagging.	Partially Supported	Able to enter some metadata and tags. Unable to harvest FGDC or ISO metadata. Can only upload as "attachment"	Fully Supported	
2-Medium	As a User, I want more format/projection options when downloading.	Workaround Possible	Requires posting separate datasets or "attachments" for format/projection combo	Workaround Possible	This would require hosting unique versions for each projection, or monkeying with PostGIS
2-Medium	As a User, I want the "posted date" included on the list of new/updated data, web services, or web/mobile/desktop applications.	Partially Supported	Results can be sorted by newest/oldest	Fully Supported	
2-Medium	As a User, I want to be notified whenever new or updated data, web services, or web/mobile/desktop applications are released.	Not Tested		Fully Supported	http://docs.ckan.org/en/master/email-notifications.html
2-Medium	As a User, I want to download all data as pre-packaged files via FTP.	Not Supported	Socrata doesn't offer an FTP portal. Would require posting of separate data to an FTP site.	Not Supported	Not seeing FTP here.
2-Medium	As a User, I want to download data in non-GIS formats (eg: CSV, GeoJSON).	Partially Supported	Yes many non-GIS formats supported. Not GeoJSON. KML/KMZ supported but it's a "raster overlay" instead of vector.	Fully Supported	Preferred, actually :)
2-Medium	As a User, I want to download thematic data in bulk (eg: all transportation data).	Not Supported	Would require bundling of data by theme, however, this would most likely exceed the 250MB upload limit.	Partially Supported	Via API, not from the main UI
2-Medium	As a User, I want to download VT GIS data layers in KML format.	Partially Supported	Yes but KML/KMZ supported but it's a "raster overlay" instead of vector. Not very usable.	Fully Supported	Preview not available
2-Medium	As a User, I want to explore Warehouse entries by the "custom data groupings" created by the Publisher.	Fully Supported	Done via keywords	Fully Supported	
2-Medium	As a User, I want to find and download Regional-level (RPC) GIS data.	Fully Supported	However, RPCs may not have access to the systems.	Fully Supported	Might need to use spatial search
2-Medium	As a User, I want to find and download town-level GIS data.	Fully Supported	However, towns may not have access to the system	Fully Supported	Might need to use spatial search
2-Medium	As a User, I want to find the latest GIS data releases by agency, by department, by program (eg: permitting/regulatory/monitoring).	Not Tested		Partially Supported	Depends on how the publishing organizations are structured.
2-Medium	As a User, I want to flag errors in the data and have them submitted to the data steward.	Not Tested		Workaround Possible	Commenting on datasets via disqus: http://docs.ckan.org/en/ckan-1.7/commenting.html

2-Medium	As a User, I want to get to all Warehouse entries that have one or more "custom keyword tags" assigned by the Publisher.	Fully Supported		Fully Supported	
2-Medium	As a User, I want to have access to Data Warehouse "capabilities" via a published API (eg: REST endpoint) so I can integrate it into my own website.	Not Tested	Maybe via SODA	Fully Supported	
2-Medium	As a User, I want to integrate aerial photos (eg: VT orthos) into my own web mashups.	Not Supported	Would use ArcGIS Server for this	Partially Supported	Depending on the imagery service publishers.
2-Medium	As a User, I want to integrate VT GIS data layers into my own web mashups.	Partially Supported	Very limited via Socrata Open API (SODA).	Partially Supported	API gives direct access to datasets
2-Medium	As a User, I want to post comments about a particular dataset, web service, or application and have those comments show up whenever someone discovers the dataset or web service.	Fully Supported		Partially Supported	Disqus - see above
2-Medium	As a User, I want to search by standard data themes (eg: boundary data, transportation data, etc.) using ISO 19115 Topic Categories standard.	Not Tested	Administrator can probably create custom categories such as these	Fully Supported	As tags
2-Medium	As a User, I want to see a listing of all available data even if it isn't available for immediate download or if there are access constraints.	Fully Supported		Fully Supported	
2-Medium	As a User, I want web services providing access to aerial photos that render "Google" fast.	Not Supported		Not Applicable	WMS and TileJSON are not provided by CKAN; the burden is on the publisher. Though tiles certainly could be hosted on an attached volume (i.e.: http://geosprocket.github.io/geosprocket-bright/#17/43.59021/39.71945)
2-Medium	As a User, I want web services that work with ArcGIS software (desktop, mobile, and browser-based clients).	Not Supported		Partially Supported	The CKAN API itself might be tricky here
2-Medium	As a User, I want web services that work with Open Source GIS software (desktop, mobile, and browser-based clients).	Not Supported		Partially Supported	
3-Low	As a User, I want a button that allows me to "share" things that I discover on the Data Warehouse via a URL link, Twitter and Facebook.	Fully Supported		Fully Supported	Twitter, Facebook and Google+
3-Low	As a User, I want all technical terms to be linked to explanations so I don't have to be a GIS expert.	Not Tested		Fully Supported	Burden is on publisher, though documentation could be included as noted above
3-Low	As a User, I want to browse thumbnails of available datasets, web services, or web application to give me a quick sense of what is being offered.	Fully Supported		Partially Supported	Previews available for selected spatial formats (which formats?) as well as all images, though vector filesize limits exist (5mb?)
3-Low	As a User, I want to control layer rendering (symbolology) for VT GIS data layers accessed via a web map service.	Not Supported		Not Supported	
3-Low	As a User, I want to control when and what I get notified about.	Not Tested		Fully Supported	
3-Low	As a User, I want to download VT GIS data layers in GML format.	Not Supported		Fully Supported	But why?

3-Low	As a User, I want to personalize the site (eg: My Warehouse) for the topics and data that I use most often.	Not Supported		Partially Supported	Groups, orgs and datasets can be "followed"
3-Low	As a User, I want to post my "data wish list" to a website for others to see, rank, and comment on.	Not Tested		Not Supported	
3-Low	As a User, I want to rank (eg: number of stars) datasets, web services, and web applications.	Fully Supported		Not Supported	
3-Low	As a User, I want to see a list of all data, web services, and applications associated with a particular dataset.	Not Tested		Fully Supported	Datasets --> Resources
3-Low	As a User, I want to see rankings of datasets, web services, and web applications to help me pick the "best" option.	Fully Supported		Partially Supported	Popularity and recent activity are included
3-Low	As a User, I want to specify data types (eg: polygon, points, lines, raster) in searches.	Not Supported		Not Supported	