

**Title:** "Open Data Web" -- A Linked Open Data Repository Built with CKAN

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**Abstract:**

We are currently using CKAN to build a linked open data (LOD) repository (<http://data.odw.tw>) which stores and displays 840,000 CC-licensed digital resources from the Union Catalog of Digital Archives Taiwan (<http://catalog.digitalarchives.tw/>). People can explore all resources in well-formed table views, find resources by keywords, facets, time ranges, or spatial extents thanks to CKAN's powerful search capabilities.

Resources (in RDF format) were loaded to our CKAN instance through a custom harvester modified from the one provided by `ckanext-dcat` extension (<https://github.com/ckan/ckanext-dcat>), which also provides the ability to export each resource in various linked data formats. Meanwhile, a SPARQL endpoint provided by Openlink Virtuoso (<http://virtuoso.openlinksw.com/dataspace/doc/dav/wiki/Main/>) is integrated into CKAN's interface for advanced usage.

In this talk, we would like to share what we have done (including modifications to CKAN and some extensions), the challenges we face, and some remaining issues that need to be addressed.