**JSON schema User Interface attribute specification**

May 10, 2016

The following defines the set of attributes that can be specified in the json schema for d3 tree representation.

**name** - Node name (required)

**children** - array (required for children nodes)

**datatype** - determines how the UI will treat the node, with the following datatypes:

- array – children are array elements – UI allows adding child objects

- bbox - allows spatial extent selection with MapBox widget, requires coordinate children in CKAN md\_package format

- date – UI provides a simple jquery datepicker for date selection

- dictlist – UI provides a picklist as defined in jsonDictionary.json

- guid - guid type allows new guid creation, if it exists it cant be edited

- object - allows replication of children. If child object already exists it cant be created

- string - standard text object

- textarea - dynamic sized text area

- typeahead - allows typeahead based on jsonDictionary.json list

**display** - Alternate display name for field for improved readability.

**package\_ref** - Mapping for md\_package values to CKAN package dateset. Currently single

value, will be a an object so multiple values can be specified. This allows the saves from the md\_package edits to the CKAN package.

**ref** - The path relative to md\_package root for the field for both read and write.

Example - "metadataProperties.metadataContact.relatedAgent.agentRole.contactEmail"

**required** - indicates if field is required per metadata specification. true or false

**root** - alternate schema root - should only be placed on root object

**rootType** - type of root element, array or object.

**rootKey** - if array or object, key lookup of require root element..

**value** - data value, schema can contain a default value, populated when data is loaded

**viewstate** - collapse or expand for default behavior when opening.

**JSON DataDictionary (jsonDictionary.json)**

This file contains a JSON sobject that provides the data dictionary lookup values. Data can be local or an external API call

**External Reference:**

{

"usginContentModel": {

"ExternalReference":"http://test.geothermaldata.org/api/3/action/package\_search",

"Params": { "id" : "value",

"start" : "value" }

}

**List elements:**

"listname" [ { “name”: "DisplayValue1", “value”: "RealValue1" },

{ “name” : "DisplayValue2": “value”: "RealValue2" } ]