

Infrastructure - Task #4258

Story # 2829 (Closed): Structural changes to D1 Data Types schema for Version 2.0 release

Add Generic key/value element to Node

2014-02-06 19:27 - Robert Waltz

Status:	Closed	Start date:	2014-02-06
Priority:	Normal	Due date:	
Assignee:	Ben Leinfelder	% Done:	100%
Category:	d1_schemas	Estimated time:	0.00 hour
Target version:	CCI-2.0.0	Story Points:	
Milestone:	CCI-2.0		
Product Version:	*		
Description			
<p>(02:05:41 PM) robert: Matt, you want the product name of the MN software stack added into the node object? (02:07:09 PM) matt: and version (02:07:15 PM) matt: I think we need more node metadata in there (02:07:23 PM) vieglais: good point. (02:07:59 PM) matt: Dave and I had talked about adding a name/value pair field to the schema that would allow a variety of node properties to be added (02:08:12 PM) robert: ok. I'll add it in to my list of v2 changes (02:08:23 PM) matt: dave -- we talked about that when we were discussing the need for more node metadata for the dashboard</p> <p>Something like some unformatted software stack version</p> <p>The main problem is the uncontrolled nature of the key and value. If the key will result in machine actionable workflow, then we should have some list of controlled vocabulary/format that the tokens are validated against. Maybe the property should have a type to indicate whether or not it is a controlled name and therefore machine actionable.</p> <p>Metacat 2.5.0</p> <p>My Crazy Software implementation XMEN2.5.0-RELEASE</p>			

History

#1 - 2014-02-06 19:28 - Robert Waltz

- Category set to d1_schemas

- Assignee set to Robert Waltz

#2 - 2014-02-07 07:24 - Matthew Jones

I agree a controlled vocabulary would be great. An effective way to do this would be to type the key attribute as an xs:QName so that the values in the attribute can be typed and therefore validated by the XML parser. For example, the following snippet would use this technique:

Metacat
2.5.0

And the 'property' element would be based on a schema containing this ComplexType definition:

[xs:complexContent](#)

[/xs:restriction](#)

[/xs:complexContent](#)

[/xs:complexType](#)

Not sure if this would allow enough extensibility on the fly, as it might be just as restrictive as adding new elements to the node schema, unless we can find a way to modify the DataONENodeProperties schema without revising everything else. Might or might not work. Just a thought.

#3 - 2014-07-10 00:19 - Ben Leinfelder

- translation missing: en.field_remaining_hours set to 0.0
- Status changed from New to Closed

Added Property type and Node can have 0..n of them. Includes a key, a type and, of course, the value.

#4 - 2014-07-30 03:00 - Robert Waltz

- Assignee changed from Robert Waltz to Ben Leinfelder
- Estimated time set to 0.00

#5 - 2014-10-01 16:57 - Robert Waltz

- Target version set to CCI-2.0.0