

SDN-R DB data-provider

Overview

Api specification: data-provider.yang in sdnr-wt-data-provider-model

RESTCONF API Definition: [ODLUX DB API](#)

Data provider bundle, specifies the data model and provides read/write access to the database for specific devicemanagers and via Restconf.

- for data stored in the database
- provided via Restconf interface to clients
- read/write via java interface and yang-tools generated classes

Database and classes

Access: r:read /w:write/ rw:read+write/ -:not applicable

Details: c: create, r: read, u: update, d: delete

Tablename (alias)	jClass builder	devicemanager12	data-provider	api-gateway
connectionlog	ConnectionlogBuilder	w (c)	r	
eventlog	EventlogBuilder	w (c)	r	
faultcurrent	FaultcurrentBuilder	w (cud)	r	
faultlog	FaultlogBuilder	w (c)	r	
historicalperformance15min	PmData15mEntity	w (cu)	r	
historicalperformance24h	PmData24hEntity	w (cu)	r	
inventoryequipment	InventoryBuilder	w (cu)	r	
maintenancemode	MaintenanceBuilder	rw (crd)	rw (crud)	
mediator-server	MediatorServerEntity	-	rw (crud)	r
networkelement-connection	NetworkElementConnection	w (cud)	rw (ru)	

Collision: networkelement-connection/is-required

To prevent these concurrent update a partial update mechanism is implemented in the sdnr-wt-common lib

Remote Initialization

networkelement-connection:

- clear all entries which are not required (is-required=false)
- set all entries to status=Disconnected

faultcurrent:

- clear all

Remote synchronization

networkelement-connection:

- clear all entries which are not required (is-required=false) and are not connected
- sync connection status