I got this lib to work with Oracle with only one minor modification in the sql generation in JDBCoDataBase::createSql (Oracle doesn't have the limit-clause so I switched to Oracle's fetch next / offset <n> rows)

```
// sql.append(" limit ").append(top);
// if (skip != null) {
    sql.append(" offset ").append(skip);
    if (skip != null) {
        sql.append(" offset ").append(skip).append(" rows");
    }
    sql.append(" fetch next ").append(top).append(" rows only");
```

• While a request such as

http://xyapsume1.mhbdomain.int:9040/odataSummitApp/summitdb/odata/tables/SUMMIT /DMBOOK/RS?\$top=5&\$format=json

works just fine from a browser...

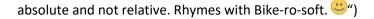
$\leftarrow \rightarrow C \hat{\Box}$	A xyapsume1.mhbdomain.int:9040/odataSummitApp/summitdb/odata/tables/SUMMIT/DMBOOK/RS?
🗅 MHB-Links 💊 Erste Schritte 🗀	Von Microsoft Edge
JSON Rohdaten Kopfzeilen	
Speichern Kopieren Einheitlich formati	eren
<pre>, AUDI_LIARLINGT, AUDI_LOSER" , "FXREVALSWEEPTOBASE":"N", "SECCONVM , "ACCTPOSOPTIMIZATION":"P", "SPLITFE , "SEPFEEPOST":"N", "USEDUR":"MAT", "F</pre>	<pre>lue":[("AUDIT_ID":"00000009M","AUDIT_TABLE":"BOOK","AUDIT_VERSION":"1","AUDIT_CURRENT":"N","AUDIT_ENTITYSTATE":"VEF :"Summit","AUDIT_ACTION":"IMLIVE","AUDIT_DATETIME":"2013-04-17T09:50:26Z","BOOK":"Z_HY_A_BE_22","DESCRIP":"Hypothe THOD':" ","BONDPREMDISCACCMETHOD':" ","DEFPOSITIONSTVLE":" ","STOCKAV0MATCHMETHOD':"NONE","BONDBROKERAGE": ","STO ERECOGNITION":"N","FEEAMORTADJUSTISISTON":"N","GEFPOSITIONSTVLE":" ","STOCKAV0MATCHMETHOD':"NONE","BONDBROKERAGE": ","STO UTURESAVGMATCHMETHOD':"NONE","ISSHADOW":"N","IFFSACCTTYPE":" WANTCHMETHOD":"NONE","ISSHADOW":"N","IFFSACCTTYPE":"</pre>

... it does not work when using the same request in PowerBI:

OData-Feed Standard Oweitere					
URL					
http://xyapsume1.mhbdomai	nunt:9040/odataSummitApj	p/summitdb/od	sta/tables/5		
				OK.	Abbrechen
				×	
Verbindung nich	nt möglich			×	
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1. Reason seems to be that the odata.context in the returned message does not contain an absolute path (in this case "\$metadata#RS").

A similar issue was observed in olingo, see <u>https://issues.apache.org/jira/browse/OLINGO-</u> <u>758</u> ("regardless of the spec, there are some consumers of OData that require the URL to be



2. In my next attempt, I kind of faked an absolute path for my example in the ODataResultSet constructor, so see where that gets me:

<pre>public ODataResultSet() {</pre>
<pre>// this.put(ODataUtils.ODATACONTEXT, ODataUtils.METADATA + "#" + ODataIdentifier.ENTITYSETNAME);</pre>
this.put(ODataUtils.ODATACONTEXT, "http://xyapsume1.mhbdomain.int:9040/odataSummitApp/summitdb/odata/tables/SUMMIT/DMBOOK/" + ODataUtils.METADATA + "?4
<pre>this.put(ODataUtils.VALUE, value);</pre>
}

Request via browser still works, different odata.context gets returned (absolute path):

JSON	Rohdaten	Kopfzeilen
Speiche	rn Kopieren	Einheitlich formatieren
[{"AUDI ","AUDI ","BOND ","ADJC ","USEE	T_ID":"00000 T_ISHISTORY" AVGMATCHMETH APGL":"N","P QYIELD":"N",	http://xyapsume1.mhbdomain.int:9040/odatasummitApp/summitdb/odata/tables/SUMMIT/DMBOOK/Smetadata?Sformat=json, "value": 09M","AUDIT_TABLE":"BOOK","AUDIT_VERSION":"1","AUDIT_CURRENT":"N","AUDIT_ENTITYSTATE":"VER","AUDIT_AUTHORIZED :"Y","AUDIT_USER":"Summit","AUDIT_ACTION":"IMLIVE","AUDIT_DATETIME":"2013-04-17T09:50:2627,"BOOK":"2, HY_A_BE_22","DESCRIP":"H 00":"NONE","FXREVALMETHOD": ","FXREVALSWEEPTOBASE":"N","SECCONVNTHOT:" ","BONDPREMDISCACCMETHOD": ","DEFPOSITIONSTYLE":"", REPAYMENTS": ","FLOATRATEPROJECTIONS": ","SUBSEQUENTFEES": ","ACCTPOSOPTIMIZATION":"P","SPLITFEERECOGNITION":"N","FEEAMORT "DAILYCEV": ","SEPFEEPOST":"N","USEDUR":"MAT","FUTURESAVGMATCHMETHOD":"NONE","ESCHADW":"M","FEAST OD":"FTEO" "! TDAVGMATCHMETHOD":"ETEO" "!SOTEBYAVGMATCHMETHOD":"NONE","ETDAVGMATCHMETHOD":"ETEO"

Using the original request again as an OData-Feed in PowerBI then led to a different error:

ng ist <mark>ein</mark> Fehler	auigeneten.	
lokument des F	eeds ist offe	nbar
2	e response. Non es the content ty	IIME type could not be found e response. None of the supp es the content type 'application ederholen Bearbeiten A

The one request when issued from PowerBI leads to two calls to my tomcat:

:12:08:28 +0100] "GET /odataSummitApp/summitdb/odata/tables/SUMMIT/DMBOOK/RS?\$top=5&\$format=json HTTP/1.1" 200 6853@RDB :12:08:28 +0100] "GET /odataSummitApp/summitdb/odata/tables/SUMMIT/DMBOOK/\$metadata?\$format=json HTTP/1.1" 200 168092@RDB

So Microsoft uses the returned odata.context to issue another call (the one with \$metadata), but seems to expect XML – data and not json?

⇒ Do you see any chance that issues 1 and 2 can get addressed so your lib could get used for odata data feed connections from PowerBI or Excel (I got the same errors in Excel)?