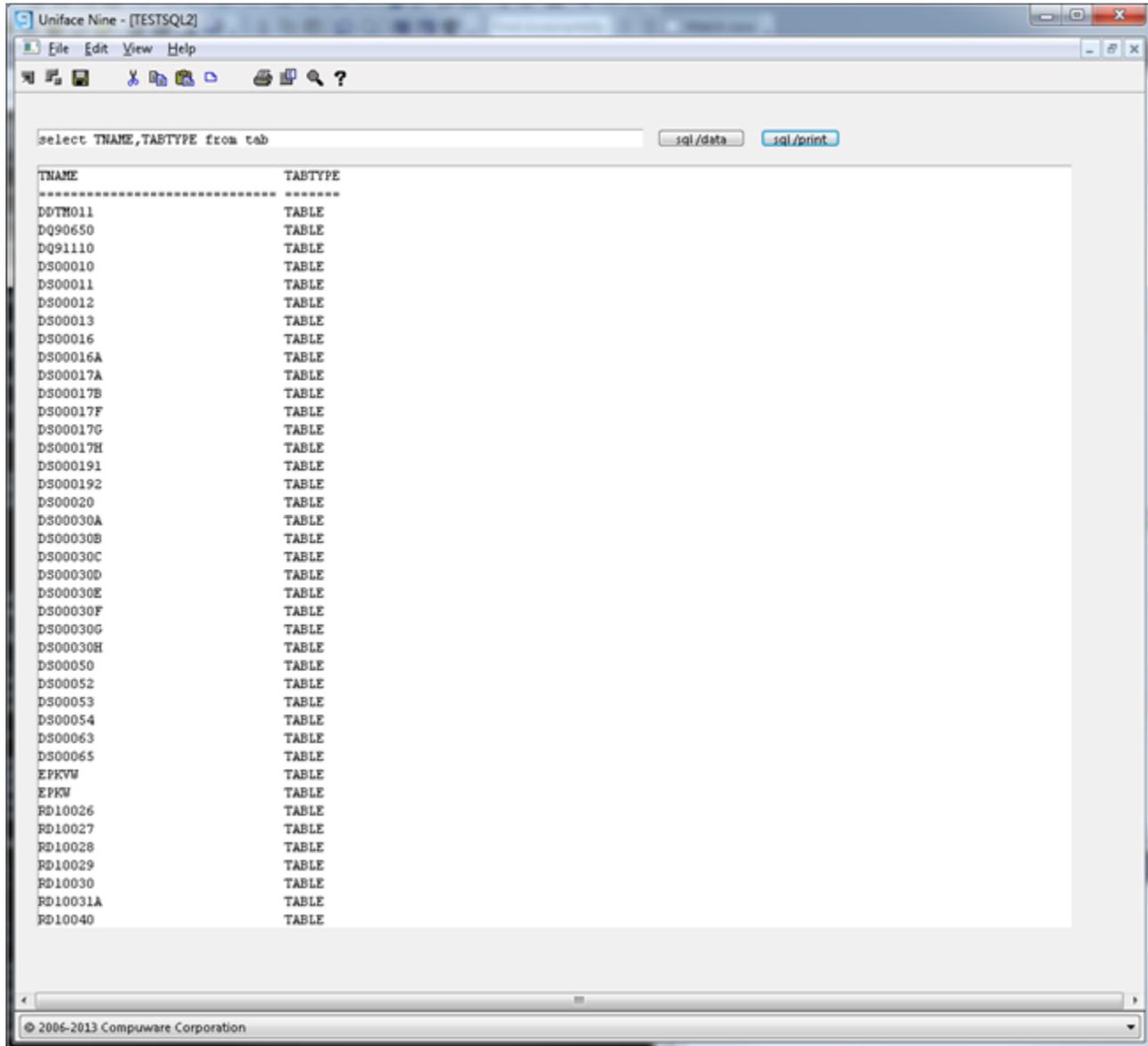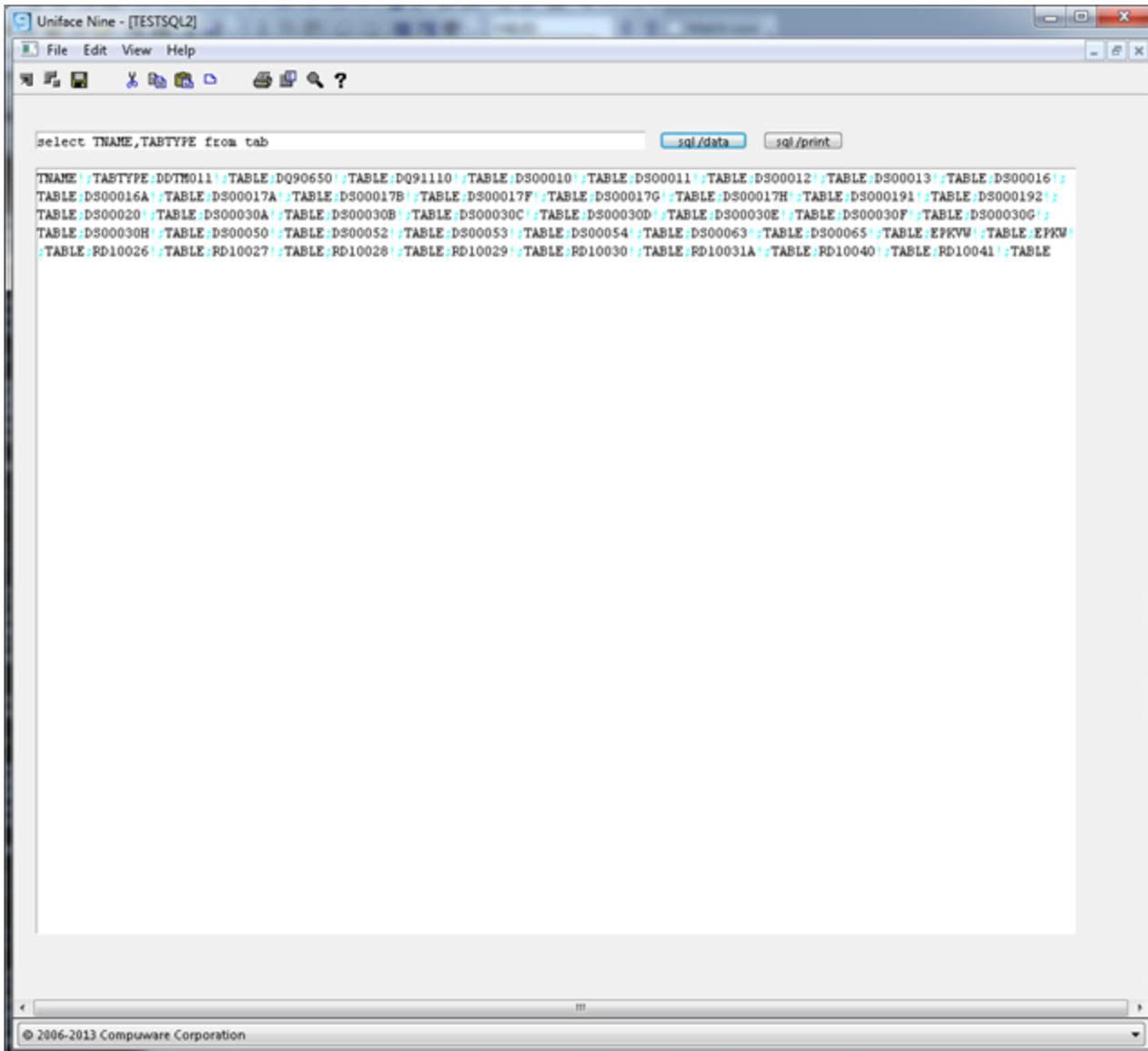# New SQL/data Statement

(Original creator: adriang)

At the user events I've presented at this *season*, I've talked about a new command which is coming: **SQL/data**. I said that is was coming, but it was probably coming around the time of Easter, after the December release of Uniface 9.6.04. (Hopefully Maarten said the same thing when he presented in Germany and Switzerland!) The good news is that we've been able to get it into the December release, so it will be in Uniface 9.6.04 after all (unless something really unforeseen happens in the next 3 weeks or so). SQL/data came about after some discussions with a few customers on their use of the SQL/print command to pull back data from the database via an SQL query rather than via the driver. The thing with SQL/print is that the statement was originally designed for the SQL workbench in the development environment, which means that it comes with the formatting to line up all of the rows and columns.

What we found is that some customers were using this and then executing Uniface services to remove all the white space so only data was left. In some cases, some of these post processing services were really quite complicated and expensive in regards to server resources. Revising SQL/print was an option, but turned out to have some risks of the dreaded incompatibilities, so we looked into the idea of a new approach. SQL/data provides the ability to retrieve data without the white space, therefore removing the need for these services.

Uniface Nine - [TESTSQL2]

File   Edit   View   Help

select TNAME,TABTYPE from tab   [sql/data]   [sql/print]

TNAME TABTYPE DDTM011 TABLE DQ90650 TABLE DQ91110 TABLE DS00010 TABLE DS00011 TABLE DS00012 TABLE DS00013 TABLE DS00016 ;
TABLE DS00016A TABLE DS00017A TABLE DS00017B TABLE DS00017F TABLE DS00017G TABLE DS00017H TABLE DS000191 TABLE DS000192 ;
TABLE DS00020 TABLE DS00030A TABLE DS00030B TABLE DS00030C TABLE DS00030D TABLE DS00030E TABLE DS00030F TABLE DS00030G ;
TABLE DS00030H TABLE DS00050 TABLE DS00052 TABLE DS00053 TABLE DS00054 TABLE DS00063 TABLE DS00065 TABLE EPKVW TABLE EPKW
TABLE RD10026 TABLE RD10027 TABLE RD10028 TABLE RD10029 TABLE RD10030 TABLE RD10031A TABLE RD10040 TABLE RD10041 TABLE

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There is a subswitch to include headers if required, which could also be very useful. Maybe there are further valuable enhancements we could consider for the future. /struct could be interesting. (Not sure what the architects would think of it though...) SQL/data will be made available in the Oracle, MS SQL, MySQL, Solid and db2 drivers. MS SQL also includes the new Linux version (seriously!), which will also be made available with the Uniface 9.6.04 update.