

Informix & OneDB

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Informix Tech Talks by the IIUG

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Agenda

- Background
- Compatibility
- Differences



The two products are not interchangeable

The two products are interoperable



Background

2016 – 2018	<p>HCL P&P launched with 15-year partnership between IBM & HCL.</p> <p>Over the next 2.5 years, HCL signed 17 deals to manage 50+ Products.</p> <p>Strategic global partnership with IBM for Informix (2017 Q2).</p> <p>HCL Informix 12.10 and 14.10 released</p>
2019-2020	<p>OneDB V1 released</p>
2021-2023	<p>HCL completes 100% acquisition investment in Actian.</p> <p>OneDB V2 released</p>
2024 - ??	<p>OneDB V3 released</p>



Background

HCL's commitment to keeping OneDB compatible with and a feature **superset** of IBM Informix beginning with OneDB v3.0/IDS 15.10 going forward.



Compatibility

<pre>select DBINFO('version', 'full') from sysdual;</pre>	HCL OneDB Server Version 14.10.FC4SE
<pre>select DBINFO('onedb', 'full') from sysdual;</pre>	HCL OneDB Server 2.0.1.1
<pre>select DBINFO('version', 'full') from sysdual;</pre>	HCL OneDB Server Version 14.10.FC4EE
<pre>select DBINFO('onedb', 'full') from sysdual;</pre>	HCL OneDB Server 2.0.1.3



Compatibility

From xC7:	oncheck -w <wait> not included. onstat -g tpf added reverse scan data chunk mirroring always on onstat -g rah improvements
From xC8:	AUTO_READAHEAD added optional threshold setting back

All of these are in OneDB.latest yet DBINFO reports FC4



Pain Points

<code>./onedb_install</code>	Couldn't find a broken example
<code>./installclientsdk -i console</code>	Preparing to install Launching installer... Error: Could not find or load main class com.zerog.lax.LAX Caused by: java.lang.ClassNotFoundException: com.zerog.lax.LAX



Pain Points

INFORMIXDIR
INFORMIXSERVER
INFORMIXSQLHOSTS

```
export INFORMIXDIR=/home/informix/live
export INFORMIXSERVER=aragorn_net
export
INFORMIXSQLHOSTS=/home/informix/etc/sqlho
sts
```

ONEDB_HOME
ONEDB_SERVER
ONEDB_SQLHOSTS

```
export
INFORMIXSQLHOSTS=/home/informix/etc/sqlho
sts

export ONEDB_HOME=$INFORMIXDIR
export ONEDB_SERVER=$INFORMIXSERVER
export
ONEDB_SQLHOSTS=$INFORMIXSQLHOSTS
```



Licensing

Informix	<p>Lots of versions Lots of options Controlled via install jar file</p>
OneDB	<p>One Product License based on CPUVP License portal</p> <p>LICENSE_SERVER https://hclsoftware.compliance.flexnetoperations.com/instances/MYMAGICKEY//request</p>
	<p>Term or Perpetual</p>



Support

Different website

Different phone numbers

The same people



Interoperability

Enterprise Replication	Definitely
Connection Manager	Probably
ODBC	Yes
JDBC	Yes
Informix HQ / OneDB Explorer	Yes
EAR	Yes
SSL	Depends
4GL/ESQL	Yes
CDC	Yes
Third Party Tools	Depends



Interoperability

```
informix@aragorn[live]: onstat -
HCL OneDB Server Version 2.0.1.3 -- On-Line -- Up 39 days 21:16:56 -- 4691980 Kbytes
```

```
[informix@strider-int ~]$ onstat -
IBM Informix Dynamic Server Version 14.10.FC8 -- On-Line -- Up 5 days 04:07:19 --
308156 Kbytes
```

```
[informix@gimli-int ~]$ onstat -
IBM Informix Dynamic Server Version 11.70.FC5XM -- On-Line -- Up 41 days 23:41:19 --
15447468 Kbytes
```

```
[informix@theoden-int ~]$ onstat -
IBM Informix Dynamic Server Version 12.10.FC8 -- On-Line -- Up 41 days 06:00:20 --
12405464 Kbytes
```

```
informix@aragorn[live]: cdr list server
```

SERVER	ID	STATE	STATUS	QUEUE	CONNECTION	CHANGED
g_aragorn	1	Active	Local	0		
g_strider	2	Active	Connected	0	Aug 17	21:20:28
g_gimli	3	Active	Connected	0	Jun 17	04:12:57
g_theoden	4	Active	Connected	0	Jun 17	04:10:57

Differences – REST APIs

Informix	<pre>GET /mydb/people?sort={age:1}&fields={_id:0,lastName:0}</pre>
OneDB	<pre>POST /api/servers/aragorn_net/databases/dbaudit/tables/oni_perf_v/query { "fields":["ts","value0"], "filter": { "op":"and","filters": [{ "op":"=","key":"metric","value":"users" }, { "op":"=","key":"servername","value":"backoff" }, { "op":>=","key":"ts","value":{"\$date":"2022-03-24T05:20:30.000Z"} }, { "op":"<","key":"ts","value":{"\$date":"2022-04-13T11:20:30.000Z"} }] } }'</pre>



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Questions



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