

# Tibero on Linux on POWER

Low effort, low cost

## Linux on IBM POWER 8 and Tiberio RDBMS:

# The knockout combination against Oracle database and x86!

For Oracle SE or EE users, Tiberio is a drop-in Oracle-compatible database that is certified for, and fully exploits the architecture of the Linux on POWER platform—providing massive cost savings and enormous performance advantages over Oracle on x86 Linux.



Would you consider moving your applications from Oracle if there was a fully compatible, low-effort alternative that is already in use for production workloads in large multi-national corporations?



Are you looking to drive down the cost of commissioning, running and managing Oracle database servers?



Are you impacted by Oracle's volatile database licensing policies?



Would you like to have the luxury of consolidating multiple Oracle database servers onto a single platform?



Is your budget being reduced but you are being asked to do more with less?

**If you answered YES to ANY of the above then read on to find out how the Tiberio/Linux on POWER combination can provide significantly increased performance with substantial cost savings ...**

### KEY POINTS

- Migrating to Tiberio will dramatically reduce your licence and maintenance costs
- Tiberio is certified for Linux on IBM POWER (unlike Oracle), and fully embraces advanced POWER features providing enormous performance benefits versus Oracle on x86
- Oracle compatibility extends to all areas of the database—Oracle DBAs are comfortable using Tiberio with typically less than a day's training

## Why look at Tibero from TmaxSoft?



### 1/6 of the cost

Tibero on Linux on POWER license cost is no more than one sixth of the equivalent licenses for Oracle on Intel-Linux.



### 4 X the performance

Tibero on Linux on POWER provides four times the performance of a comparable Oracle on Intel-Linux.

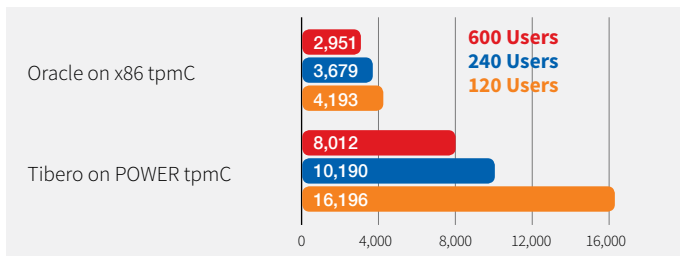


### 100% Oracle compatible

Drop-in Oracle database replacement.

- Tibero on Linux on POWER provides four times the performance and at most one sixth of the cost of the equivalent technology from Oracle on x86
- Tibero on Linux on POWER makes it possible to consolidate multiple, Oracle x86 database servers to a single POWER server
- These cost savings and performance advantages can provide new budget for additional or previously shelved projects
- This massive performance improvement comes from Tibero's ability to fully exploit the POWER platform's multi-core and its multi-threaded architecture

## Tibero performance on Linux on POWER



### 12 Cores & 24 Threads

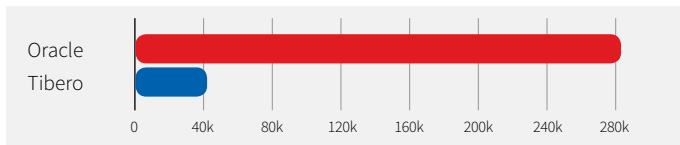
To achieve this performance, Oracle required all 12 cores in the system and 24 threads.

### 2 Cores & 16 Threads

POWER architecture meant that Tibero could achieve this performance using only 2 of the 10 cores in the machine and only 16 threads.

BMT Nov '15 IBM Hursley, Intel Xeon E5-2640 processor: Power 8 3GHz

## Licensing cost of Tibero on Linux on POWER versus Oracle on Intel-Linux



### \$285,000

Oracle requires all 12 physical cores to achieve this level of performance on Intel-Linux resulting in a database licence cost of \$285,000.

### \$42,500

The superior architecture of the POWER platform means that these performance figures can be achieved using only 2 cores of the 10 cores present. This coupled with the lower Tibero licence cost means that total cost of database is only \$42,500.

## What is involved in migrating to Tibero from Oracle?

Migration to Tibero typically takes no more effort and exposes the organization to no more risk than performing a major version upgrade on Oracle. A three to six week migration is typical for a well-architected, Java-based application.

## How Oracle compatible is Tibero?

Tibero has been designed from first principles to be drop-in, Oracle-compatible. Oracle SQL executes in a consistent way across both platforms and applications that rely on embedded PL/SQL code also execute as they would under Oracle—without need for modification.

This focus on compatibility extends to the way our tools are designed so that they are instantly familiar to Oracle users. The way clustering, failover architectures, backup and restore operations, performance tuning and even the location of the physical files on disk are also consistent with Oracle. We expect an Oracle DBA to feel completely at home with Tibero after only three hours of training.

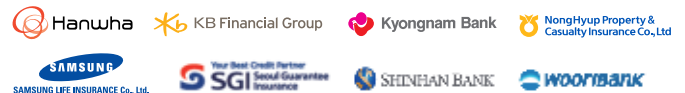
## What about virtualization and high-availability architectures?

Tibero makes it simple and economic to fully exploit POWER architecture features such as Live Partition Mobility (LPM) and the POWER Enterprise Pool (PEP).

Oracle's licensing policy on virtualization and high-availability architectures makes it virtually impossible to justify the license cost to exploit these unique POWER features. Oracle insists that the database be licensed for the total number of potential cores and threads in the LPM or PEP pool. In contrast, TmaxSoft asks that you license Tibero for use on the maximum number of cores that will be in use at any single time.

## Customers include:

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