

Thinking of modernizing your Oracle databases to PostgreSQL?

Written by:

Michel Schöpgens
Splendid Data COO

For many organisations, modernising their licensed databases, such as Oracle, to PostgreSQL in the cloud is an urgent need. All with the aim to drive flexibility and scalability while lowering costs and risks. So why are many business leaders hesitant to make that move?

As databases are at the centre of every organisational operation, modernising your system can feel like a major risk. After all, it includes all your business logic, not to mention financial, historical, customer, product, production and other crucial data. So why take risks with one of your most irreplaceable assets? The answer: PostgreSQL the cloud is the only way forward.

The cloud is where next generation innovation is taking place every day. From state-of-the-art analytics tools to continuously updated security measures, leading cloud providers are spending billions to ensure they're offering customers the newest technology and data protection features.

In addition, the cloud gives you the ability to scale up capacity during times of high demand, and scale down just as fast during lulls, for significant savings. It also lets you add and launch new applications and even database instances, driving flexibility and agility while optimizing costs. So the question isn't if you're going to modernise and move to the cloud, but when – and how?

Manual migrations – slow, costly and prone to high rates of error

Imagine you decide to migrate your Oracle databases to PostgreSQL completely, or largely manually. As an Oracle database can contain hundreds of thousands of lines of code that need to be translated to be compatible with new PostgreSQL database, it's a time-consuming, painstaking task that requires specialized expertise at great costs and risks.

Moreover, if you need to modernize hundreds or even thousands of Oracle databases enterprise-wide, you're looking at a virtually never-ending project, one that requires you to successively re-deploy key IT teams while still trying to conduct daily business operations.

Selecting the right automated solution for your Oracle to PostgreSQL modernization

One tool is unlike any other: Cortex. This is our software solution to migrate Oracle databases to PostgreSQL, built by experts who have intrinsic knowledge of the source database (Oracle) and of the target database (PostgreSQL). Cortex is like no other solution capable of migrating an Oracle databases to PostgreSQL in a highly automated and controlled way. Used across the globe, this proven software is trusted by major companies and organisations.

Automation cuts costs, timelines and redundancies

Now, imagine you have software like Cortex available that could seamlessly migrate more than 5,300 objects, representing 1.3M lines of code valuable business logic, in just twenty-four hours, and more than 85% of objects translated 100% automatically. And all with just a fraction of the human effort required finalising the migration?

Added to this, Cortex can perform several migrations in parallel in the same twenty-four hours, with identical quality – a feat that would be impossible with manual efforts. What's more, such mature or hardened software isn't prone to glitches caused by human error. How many thousands of work hours could be saved and how much better will the results be?

Productivity = Effectiveness + Efficiency

We all know that if complex manual work, such as migrating code, can be replaced by an automated process, it is much more effective and efficient. We also know that the automated migration of code is always performed uniformly and with far fewer errors. Ultimately, a much higher productivity is obtained, allowing more databases to be migrated in a much shorter time and at a much lower cost.

Preserving your business logic

As we've seen, manual migration can be immensely complex and error-prone. This presents a particularly unacceptable risk when modernizing your database's business logic, where there are many dependencies between database objects that are virtually undetectable by the human brain – because there's simply no way to get a comprehensive overview of every interaction.

By contrast, automated business logic migration achieved using Cortex reduces the chance of error by up to 95%, delivering high quality, cleanly-formatted code that streamlines future maintenance.

Driving cost efficiency while getting the most from expert teams

The cost of a manual migration is largely determined by the number of work hours expended by specialized IT personnel with in-depth knowledge of both the source, or existing, Oracle database as well as the target, or destination, PostgreSQL database. Such experts are scarce but essential for optimal results. It's therefore necessary to deploy them efficiently, so they can focus on individual coding defects rather than the straightforward, high-volume tasks that can be processed very effectively via automation.

Automation lets you strategically optimise staff hours, ensuring the efforts of highly-paid resources are targeted towards skilled work rather than menial tasks.

Enhancing and optimizing processes

Most of us know all too well that manual work is by definition human error-prone, which drives risk. That's why a proven automated process that produces predictable results is the holy grail of business. An optimally-designed automated process gives users and stakeholders a comprehensive overview, so it's clear to all what needs to be done to accomplish complex initiatives in the shortest effective time.

Let's get you plugged into a simpler, easier, more agile and cost-effective database setup. Talk to our friendly team today about the financial and operational benefits of migrating to PostgreSQL.

About Splendid Data

Splendid Data was founded in 2013 and since then our focus has been purely on PostgreSQL and to pass on its benefits to our clients and partners. We're proud to assist companies of all shapes and sizes to find their way to digital liberty, agility and the power of PostgreSQL.

Get in touch today to start your journey to a world without Oracle databases.

Contact

Splendid Data
Binnenhof 62a
1412 LC NAARDEN
The Netherlands

Find us online
www.splendiddata.com
[www.linkedin.com/
company/splendiddata](http://www.linkedin.com/company/splendiddata)

Michel Schöpgens
michel.schopgens@
splendiddata.com
+31 85 773 19 99
+31 6 54 34 30 89

Pascal Boutin (for the
French speaking markets)
pascal.boutin@
splendiddata.com
+33 6 11 69 68 64

