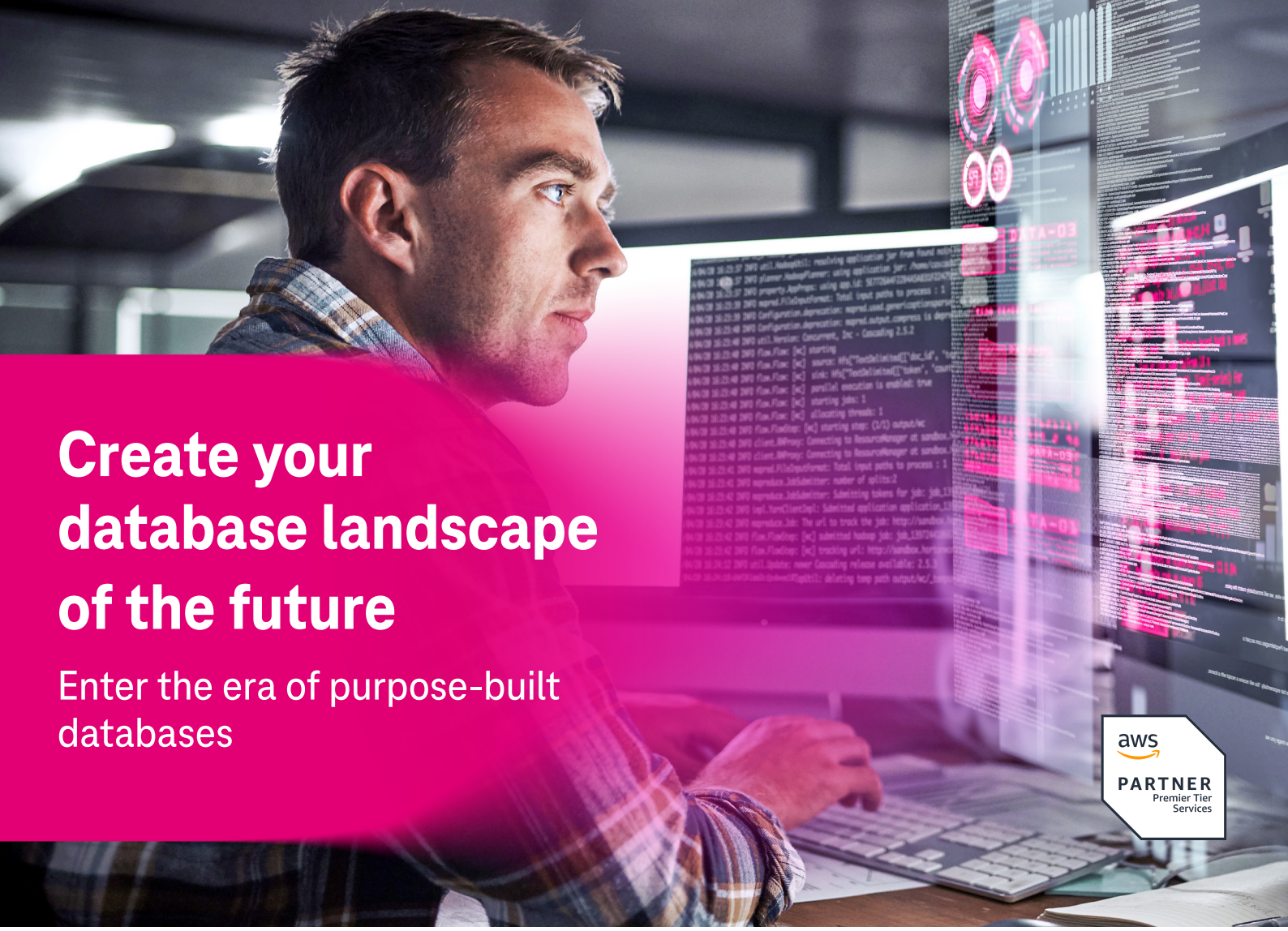

Create your database landscape of the future

Enter the era of purpose-built databases

Databases from the cloud are an essential part of the cloud strategy. Reduce licensing costs as part of cloud migration and build cost-effective platforms for the future with the purpose-built approach to cloud-native databases.

Are your databases future-proof?

Legacy databases play an important role in many companies of all sizes – not only in the backend of web applications but also for ERP, CRM and logistics systems. Hardly any application can function without a database. The operation of databases often ties up human resources and generates significant long-term license costs.

In many cases it is not even clear whether the respective database is still the best solution. Is it optimized for current and future application requirements in terms of size and technical performance? Can it simply grow with increasing workloads? How do you plan to further develop your database landscape in the future? At the same time, how can you reduce the costs for your databases?

What about within the context of a cloud strategy?

The situation becomes even more explosive if we take a look at the database landscape within the context of cloud strategies. Many companies are currently planning a change or are already implementing it. They are shifting workloads from existing applications to the cloud, which has already been set as the new standard for new business ideas and innovative business models. Can your databases follow this path to the cloud?

If you build cloud-native architectures, then you should also plan to consistently switch to cloud-native databases in order to enjoy all the benefits of the cloud. Cloud applications are optimized for cloud databases. You can also exploit the advantages offered by cloud-native databases, such as cost efficiency, flexibility and business agility.

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Let's power higher performance

Switching to the cloud gives you the chance to think about cleaning up and optimizing your database landscape. Say goodbye to high licensing costs for legacy databases. Take a step forward by making your databases simpler and less expensive to run.

Use the "purpose-built" principle to optimize your databases

Make sure you use the best database for you. It doesn't have to be the one you've been using for years. Use the "purpose-built" principle to choose the best database for the respective application when migrating to the cloud. Combine the service and the application with the perfect database.

During implementation, the selected migration version sets the direction. The six possible cloud migrations (6Rs) differ as follows: Re-factoring and re-architecting result in high costs for the cloud-native redesign of applications and application architectures. With straightforward re-hosting, however, the advantages of the cloud are only partially exploited. When migrating to the cloud, many companies opt for the first pragmatic modernization step: re-platforming. They move away from legacy solutions and replace them with cloud-compliant alternatives. This often affects the databases.

It doesn't always have to be relational

AWS offers an extensive range of cloud-native databases for various purposes. With the "purpose-built" approach, companies choose the right one for the respective business purpose when re-platforming (regardless of what type of database was previously in use).

The Relational Database Service (RDS) is the traditional solution for structured data. Other relational databases from the AWS portfolio are Aurora and Redshift. They support a wide range of traditional applications such as ERP or CRM systems.

E-commerce applications and high-traffic web applications can benefit from key-value DBs like DynamoDB. In-memory DBs like ElastiCache or Memory DB for Redis ensure ultra-fast response speeds for caching. Catalogs and content management are the domain of DocumentDB with MongoDB compatibility. Industrial applications for the maintenance of devices are optimally supplied with Keyspace. Neptune, a graph DB, supports fraud detection, social media and recommendation engines. Timestream can be used to record time series for IoT applications or industrial telemetry. The Ledger Database Service is optimized for processing data sets, use in supply chains or for bank transactions.

It doesn't get any better than this: The database landscape of the future

The "purpose-built" concept achieves a wealth of advantages in database operation: the best performance, scalability, higher functionality, easier debugging and monitoring, faster time-to-market, and lower TCO.

As an AWS Premier Consulting Partner, T-Systems supports companies in using AWS end-to-end. We support the development of the AWS strategy, in particular the optimization of the database landscape. We ensure non-disruptive migrations of workloads and operate AWS landscapes.

Build your fail-safe, future-proof modern database landscape now with reduced costs and simplified management.

The first step: our database assessment workshop. Contact us.

QUESTIONS?

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