



CYBERTEC SCALEFIELD

FULL STACK POSTGRESQL

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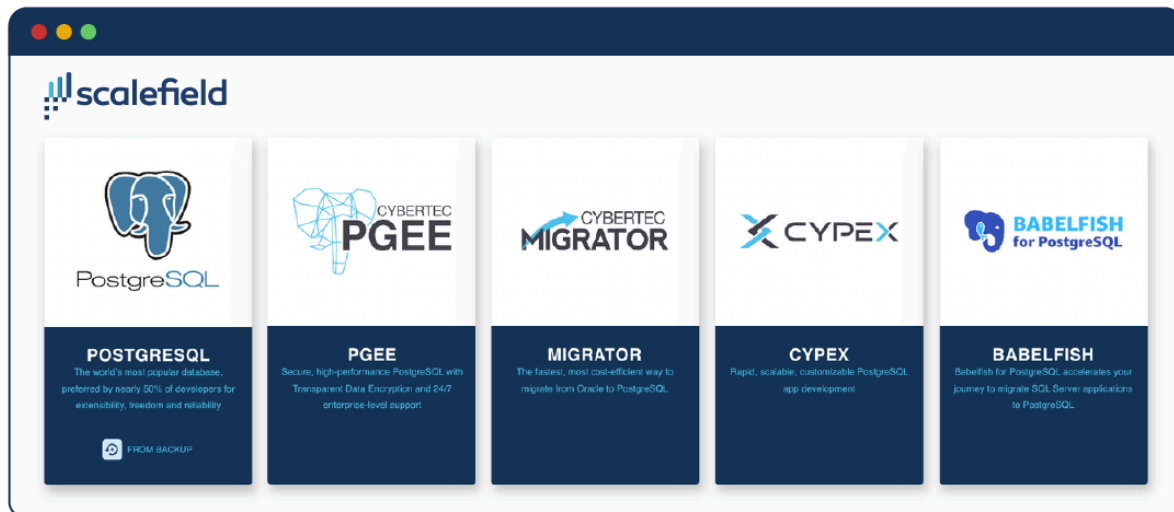


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SCALEFIELD: COMPREHENSIVE POSTGRESQL

Scalefield is a single platform based on **Kubernetes / OpenShift** that unifies all our solutions on a single, easy to use platform:



SCALEFIELD PRODUCTS

Scalefield incorporates the main product stack, including:

- **Scalefield PostgreSQL Automation:**
 - PostgreSQL as a Service for Kubernetes / OpenShift
 - **PGEE:** PostgreSQL Enterprise Edition
- **CYBERTEC Migrator:** Oracle to PostgreSQL Migration
- **CYPEX:** Low Code Application Development
- **Babelfish for PostgreSQL:** MS SQL compatibility for PostgreSQL
- **pg_deep_thinker:** "Machine driven PostgreSQL consulting"
- **Scalefield Secure:** Compliance Monitoring for Oracle, PGEE and PostgreSQL

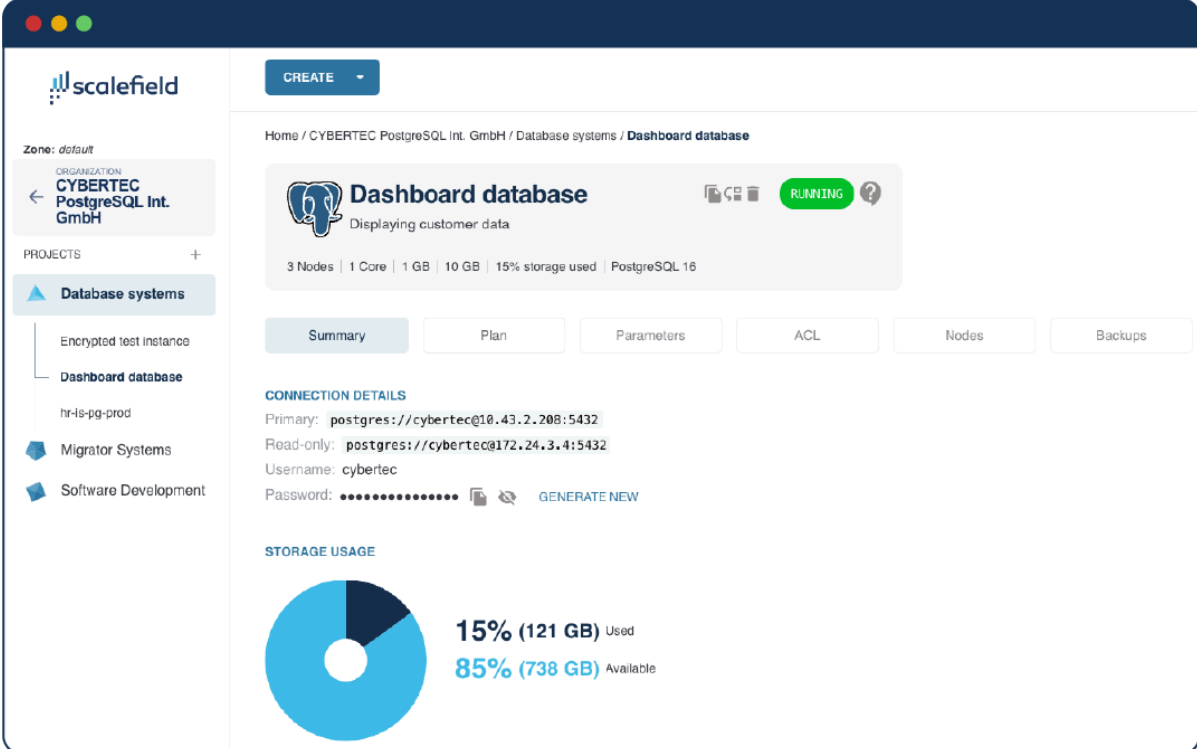
Scalefield is a 100% Kubernetes-based solution that allows customers to directly deploy their own private cloud and integrate with public clouds, offering full visualization.

All products are also available separately; however, **full integration** provides customers with many benefits that cannot be enjoyed when deployed separately:

- A single **compliance report**
- **Automatic backups** for all products
- Integrated automation
- Faster **security updates**
- **Better user experience**

SCALEFIELD POSTGRESQL AUTOMATION

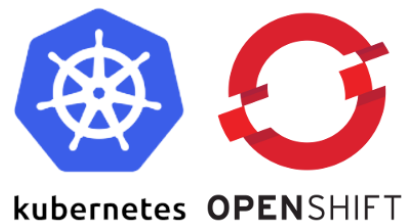
Scalefield PostgreSQL **Automation** allows you to quickly deploy various flavors of PostgreSQL such as PostgreSQL and CYBERTEC PostgreSQL Enterprise Edition (**PGEE**). Quickly **deploy** and automate your database platform in a **user friendly** environment:



The screenshot displays the Scalefield PostgreSQL Automation interface. On the left, a sidebar shows the organization 'CYBERTEC PostgreSQL Int. GmbH' and a list of projects including 'Database systems', 'Encrypted test instance', 'Dashboard database', 'hr-is-pg-prod', 'Migrator Systems', and 'Software Development'. The main content area shows a 'CREATE' button at the top. Below it, the breadcrumb path is 'Home / CYBERTEC PostgreSQL Int. GmbH / Database systems / Dashboard database'. The central focus is the 'Dashboard database' instance, which is 'RUNNING' and displays customer data. It has 3 nodes, 1 core, 1 GB memory, 10 GB storage, and 15% storage used. Below this, there are tabs for 'Summary', 'Plan', 'Parameters', 'ACL', 'Nodes', and 'Backups'. The 'CONNECTION DETAILS' section shows the primary connection string as 'postgres://cybertec@10.43.2.208:5432', a read-only connection as 'postgres://cybertec@172.24.3.4:5432', and the username 'cybertec'. The password is masked with dots, and there is a 'GENERATE NEW' button. The 'STORAGE USAGE' section features a donut chart showing 15% (121 GB) used and 85% (738 GB) available.

Scalefield PostgreSQL Automation provides out of the box services including:

- High-Availability out of the box
- Easy scalability and dynamic resizing
- Integration with backup and recovery tooling
- Automated monitoring
- Compliance enabled



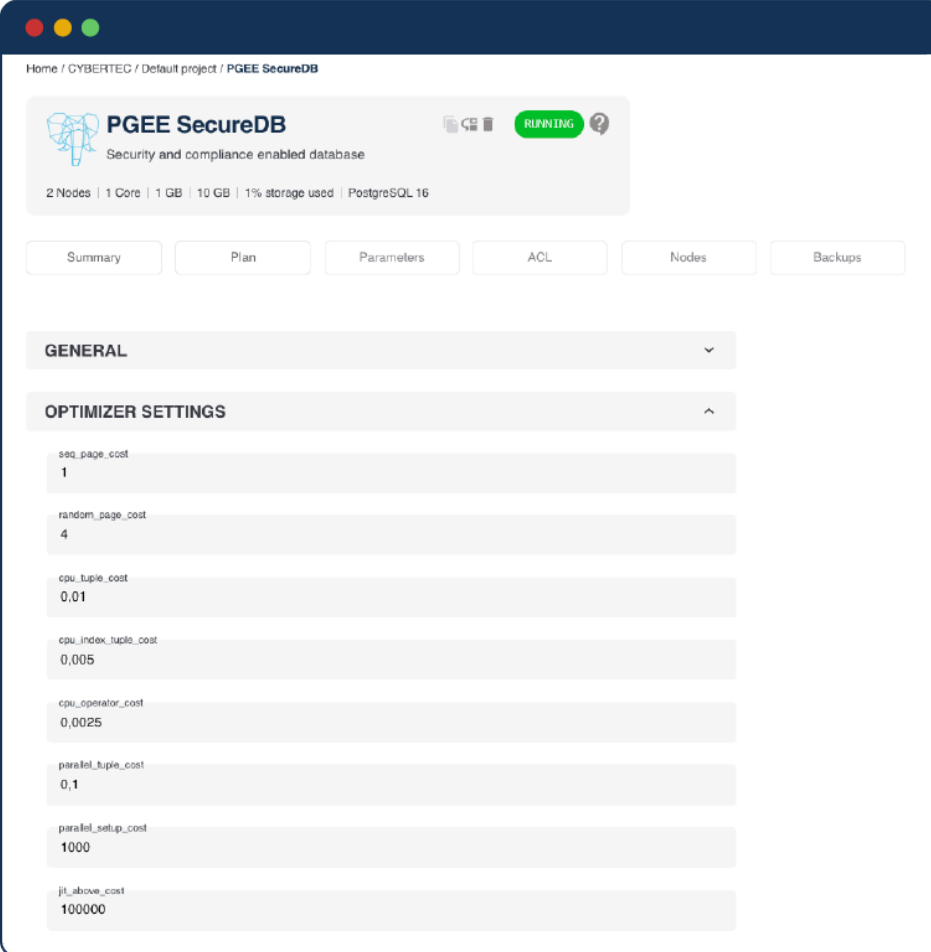
PGEE: CYBERTEC ENTERPRISE POSTGRESQL

PGEE is a commercial version of PostgreSQL that allows customers to make use of advanced features such as:

“Transparent Data Encryption”

It provides countless features which make it **attractive to clients** across various sectors of the industry, including, but not limited to:

- **Finance and Banking**
- High-**Security** computing
- Medical and health
- **Government** and law enforcement agencies



The screenshot displays the management interface for PGEE SecureDB. At the top, it shows the database name "PGEE SecureDB" with a status of "RUNNING" and a description "Security and compliance enabled database". Below this, it lists system details: "2 Nodes | 1 Core | 1 GB | 10 GB | 1% storage used | PostgreSQL 16". A navigation bar includes tabs for Summary, Plan, Parameters, ACL, Nodes, and Backups. The "OPTIMIZER SETTINGS" section is expanded, showing the following configuration values:

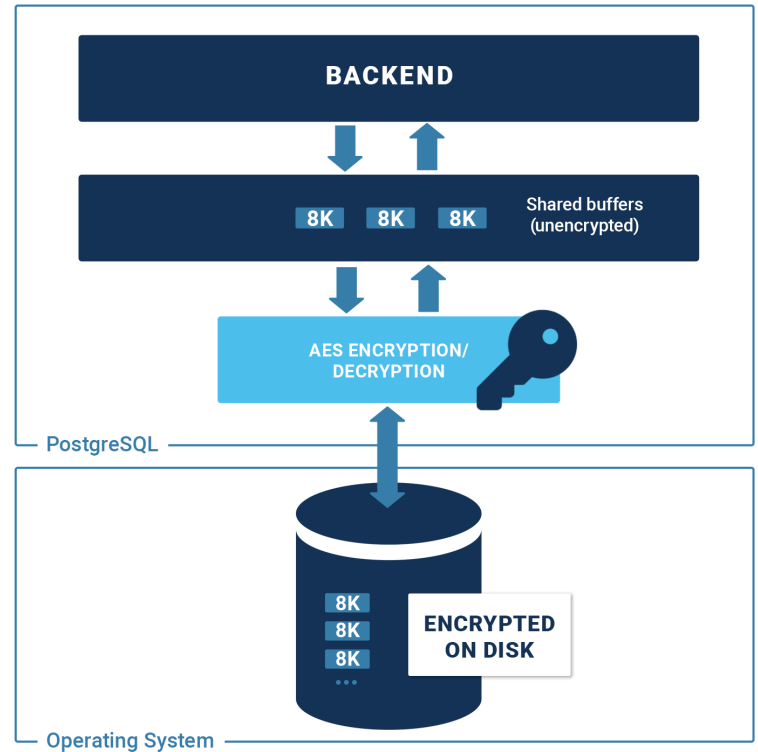
Parameter	Value
seq_page_cost	1
random_page_cost	4
cpu_tuple_cost	0,01
cpu_index_tuple_cost	0,005
cpu_operator_cost	0,0025
parallel_tuple_cost	0,1
parallel_setup_cost	1000
jit_above_cost	100000

We offer **additional features** on top of PostgreSQL, including:

- Transparent Data **Encryption** (TDE)
- Stored Procedure **Encryption**
- Enterprise-level **auditing**
- Anomaly detection
- Data masking and **obfuscation**
- **Advanced optimizer** improvements

CYBERTEC PostgreSQL Enterprise Edition (PGEE) is important to all clients needing extra security as well as **compliance** with modern IT standards:

- ISO 27001
- TISAX
- SFCA
- POPI-A
- GDPR
- HIPAA
- ... and many more ...



“Professional database compliance for PostgreSQL”

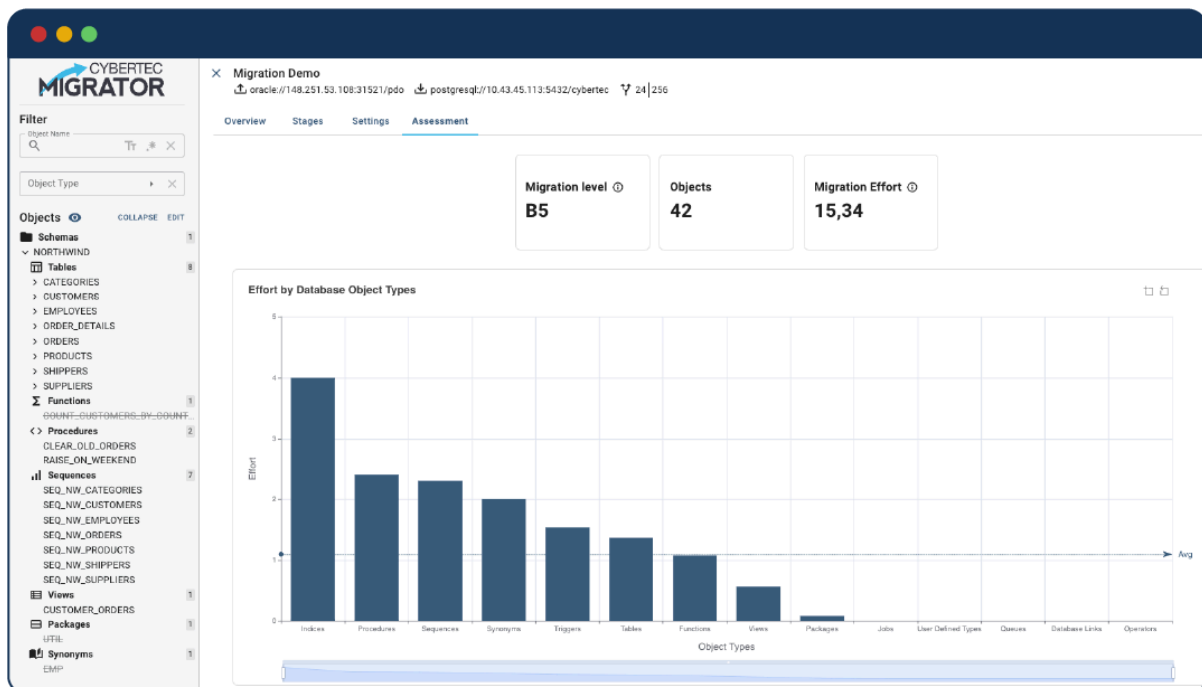
Fixing real world problems

CYBERTEC MIGRATOR FOR ORACLE

CYBERTEC Migrator is the entry ticket to our ecosystem, enabling customers to migrate their legacy databases to a new infrastructure.

We offer expert level tooling for high-performance migration, designed to serve various purposes:

- **Bulk assessment** for large **Oracle** customers
 - Get a handle on **big infrastructures** in no time
 - Provide a **migration roadmap** to clients
- **Enable partners** and **customers** to migrate
 - Provide expert tooling
 - Help with quick migration
- **Migrate to PostgreSQL at scale**
 - Cutting edge transfer speeds (> 1.4 GB / sec)
 - Optional zero downtime migration



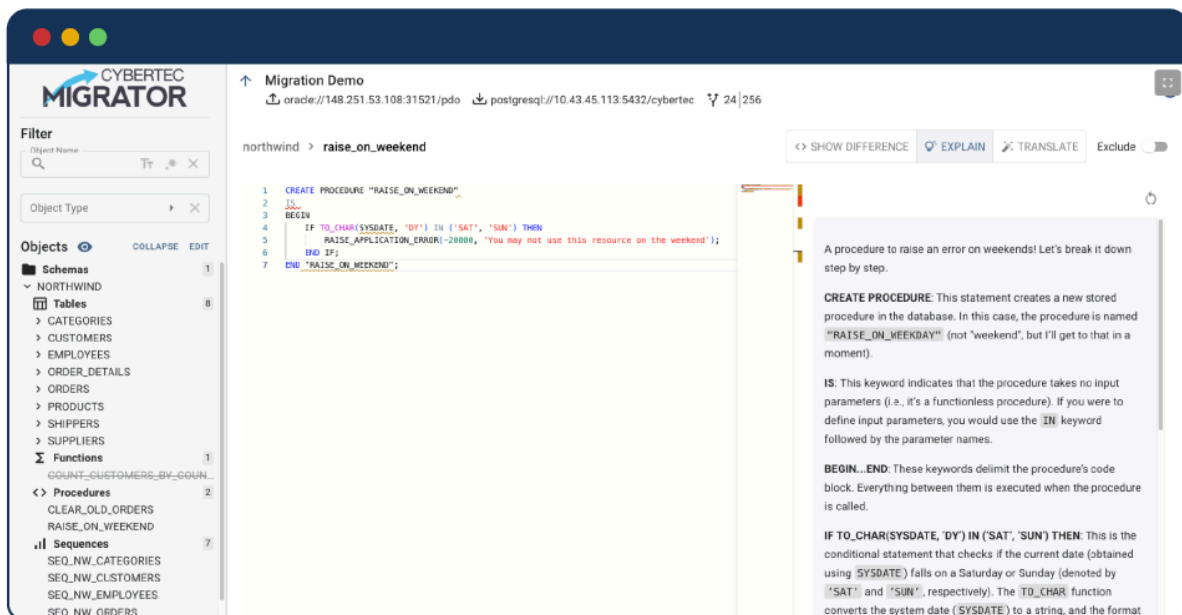
Migration from Oracle to PostgreSQL has never been easier:

- Move Oracle to cloud solutions (Azure, GCP, AWS, etc.)
- Migrate to on-premise solutions

Stored procedures have always been a major hurdle when migrating away from Oracle. CYBERTEC Migrator simplifies this process with modern **AI technology**:

“AI assisted code explanation”

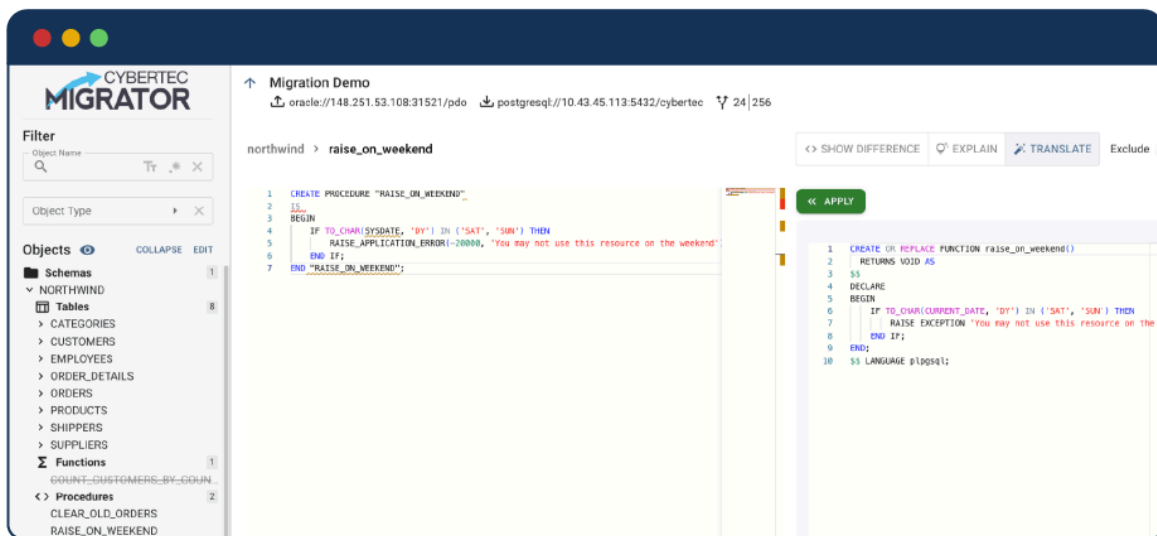
With AI-assisted code explanation, developers can understand complex code faster and more efficiently:



The CYBERTEC Migrator assists with **code pre-translation** by using modern technology tailored to the problem.

We fully comply with EU AI regulations. All code processing happens within Scalefield, ensuring that no customer source code is sent to public APIs. This means:

- Maximum **compliance** with regulations
- Maximum **digital independence**
- **Zero** external **dependencies**



Code translation has many **advantages**:

- **Migrate** code up to 80% **faster**
- Improve code **quality**
- **Finish** migration projects faster
- **Enable developers** to understand code more quickly
- Add **database optimizations**

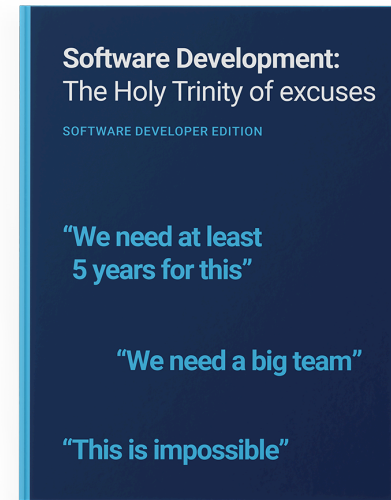
CYPEX: LOW CODE DEVELOPMENT FOR POSTGRESQL

With **CYPEX**, you can build customer specific applications in remarkably short timeframes. Workflows, dashboards, maps, forms – CYPEX makes it all possible within minutes.

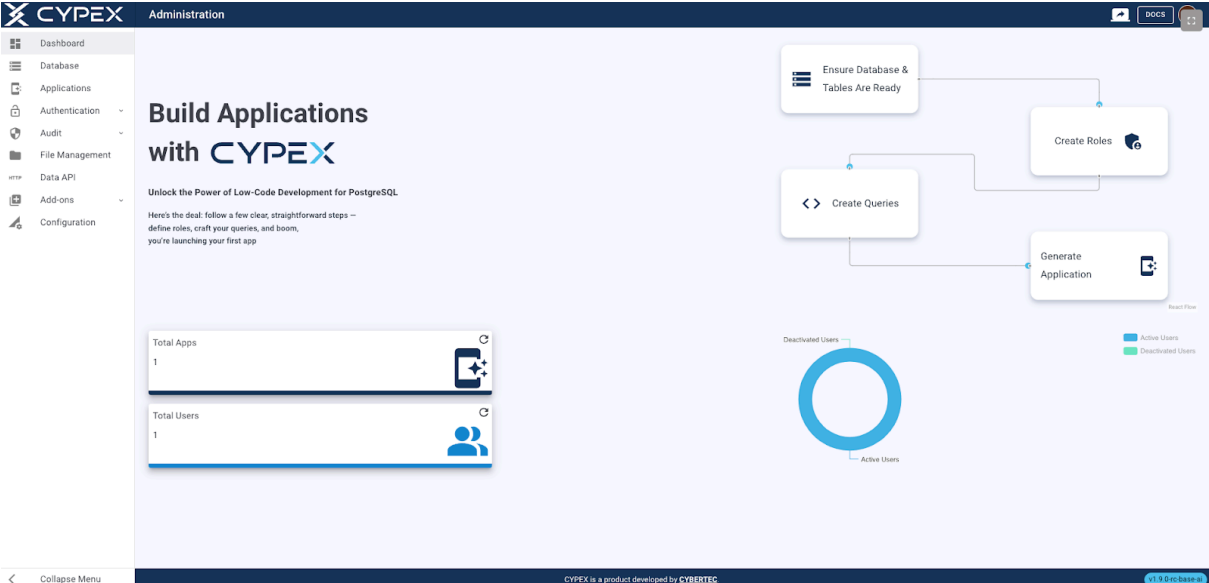
What **problem** are we **solving**?

Modern software development is often hindered by

- Information loss
- Repetitive tasks
- Inefficient requirements gathering
- Slow feedback



CYPEX is addressing these challenges. We enable the creation of data models in hours rather than days, using those data models to predict applications quickly. These applications can then be modified as needed.



Our approach offers numerous benefits:

- Gather specifications **quickly**
- Quick **prototyping** and efficient demos
- Minimal time to market
- **Build applications cheaper** than ever before

The screenshot displays the CYPEX web application interface. The main section is titled 'Industrial Fair' and contains a table with the following data:

Name	Description	Start date	End date	Status	Images	Street	Postal code	City	Country	Actions
Industrial Fair 2023	Innovation Fair	2023-05-22	2023-05-26	Coming		3 Butterfield Trail	75780	Novosheshmink	Belgium	
Industrial Fair 2022	Industrial Fair	2022-08-16	2022-08-25	In Progress		8752 Fuller Drive	3261	Pantalowice	Denmark	
Industrial Fair 2021	Health Fair	2021-04-12	2021-04-16	Concluded		99483 Ludington Court	88204	Sinisian	Austria	
Industrial Fair 2020	PostgreSQL Fair	2020-09-07	2020-09-11	Concluded		15914 Clyde Gallagher Circle	10582	5 de Mayo	Germany	

Below the table, there are two sections:

- Location - Industrial Fair 2022:** A map of Europe with several location pins. A red pin is located in the northern part of Europe, near the Baltic Sea.
- Devices Assigned:** A table listing assigned devices:

Name	Internal name	Assigned	Type	Image
Asus X515ea	AX515EA	Industrial Fair 2022	Laptop	
Lenovo Yoga Slim 7	LYS7	Industrial Fair 2022	Laptop	
Thinkpad E14	TE14	Industrial Fair 2022	Laptop	

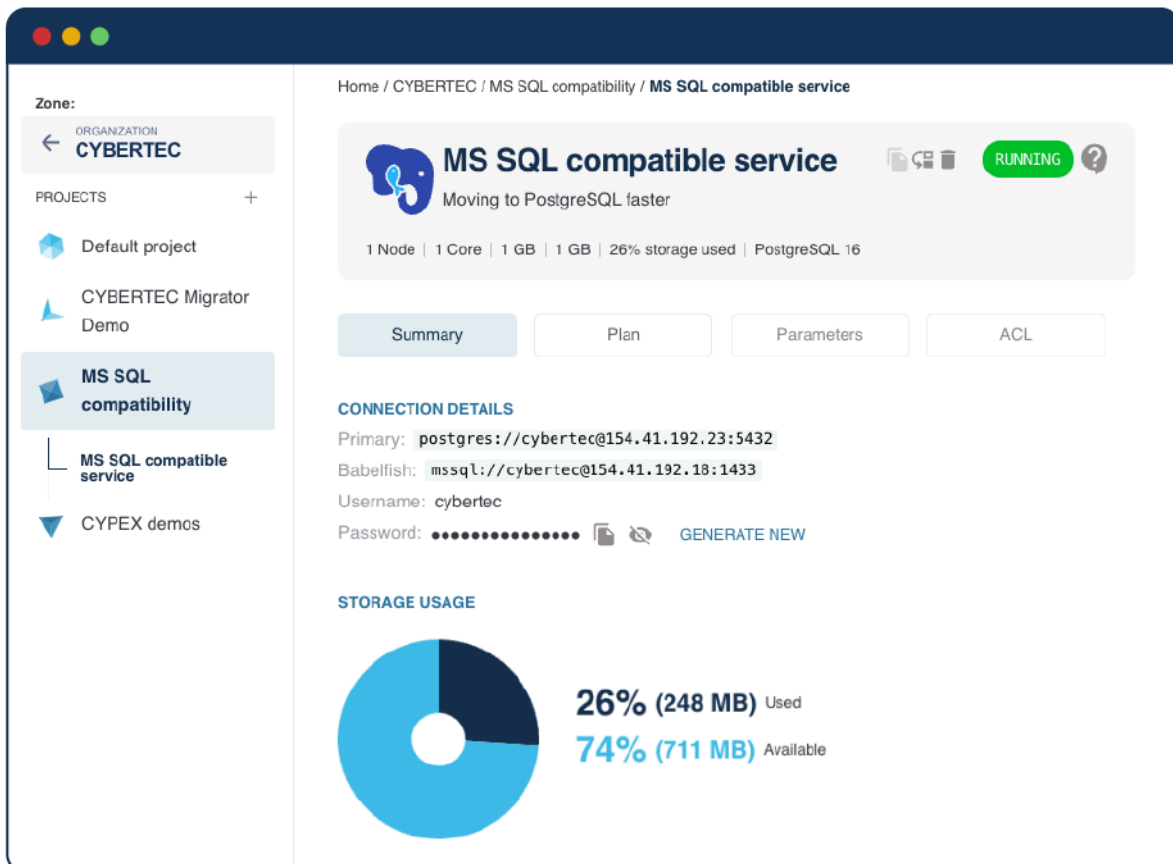
BABELFISH FOR POSTGRESQL: BRINGING AN END TO MS SQL LICENSING

What are the challenges of Microsoft SQL Server?

- Escalating license costs
- High support cost
- Technically outdated legacy solution
 - Poor locking and concurrency behavior
 - Subpar transactional behavior

These issues drive many customers away from MS SQL. But what does this process look like in real life? Consider a customer running 1.000 MS SQL Server who is eager to migrate:

- They must talk to 200 application owners
- They must launch 200 migration projects
- The migration takes years to complete
 - Meanwhile, license cost keeps piling up



The screenshot displays the Scalefield management console for an 'MS SQL compatible service'. The interface includes a left-hand navigation menu with 'CYBERTEC' organization, 'MS SQL compatibility' project, and 'MS SQL compatible service' instance. The main content area shows the service is 'RUNNING' and provides details such as '1 Node | 1 Core | 1 GB | 1 GB | 26% storage used | PostgreSQL 16'. It features tabs for 'Summary', 'Plan', 'Parameters', and 'ACL'. Under 'CONNECTION DETAILS', it lists the primary PostgreSQL connection string, a Babelfish connection string, the username 'cybertec', and a masked password with a 'GENERATE NEW' button. A 'STORAGE USAGE' section contains a donut chart showing 26% (248 MB) used and 74% (711 MB) available.

Babelfish for PostgreSQL comes to the rescue. It can run inside Scalefield providing countless advantages to customers.

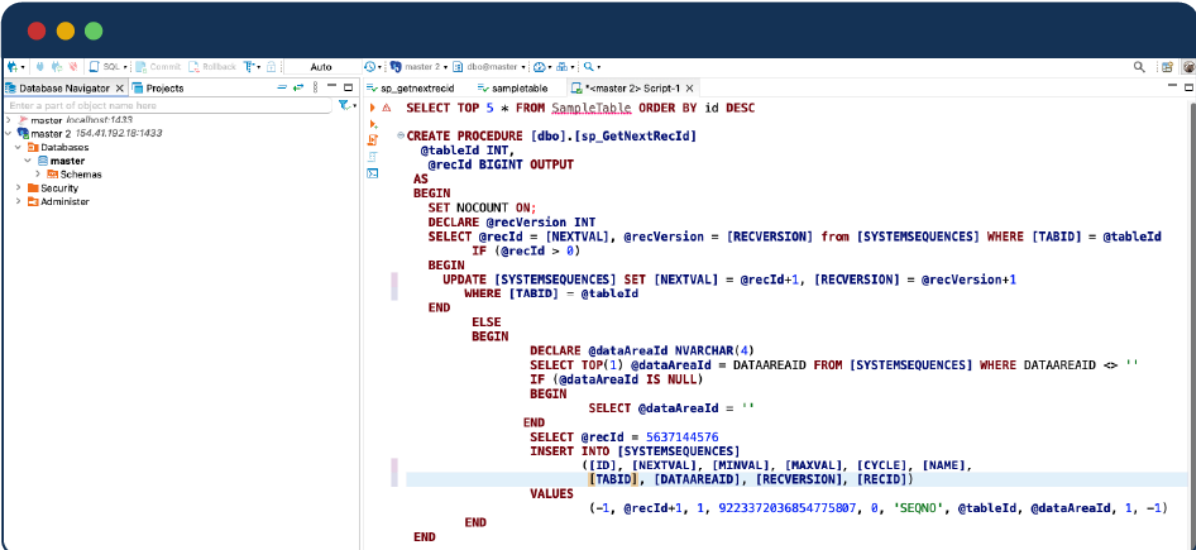
A CHEAPER SOLUTION WITHOUT TOUCHING THE APPLICATION

This means we can **move customers** to an MS SQL compatible solution (in 60-80% of all cases) **without launching a migration project**.

Key benefits include:

- Instant cost saving
- No migration project
- Improved automation
- Maintaining compliance

Babelfish behaves just like MS SQL making it an ideal solution for all clients aiming to cut expenses quickly:

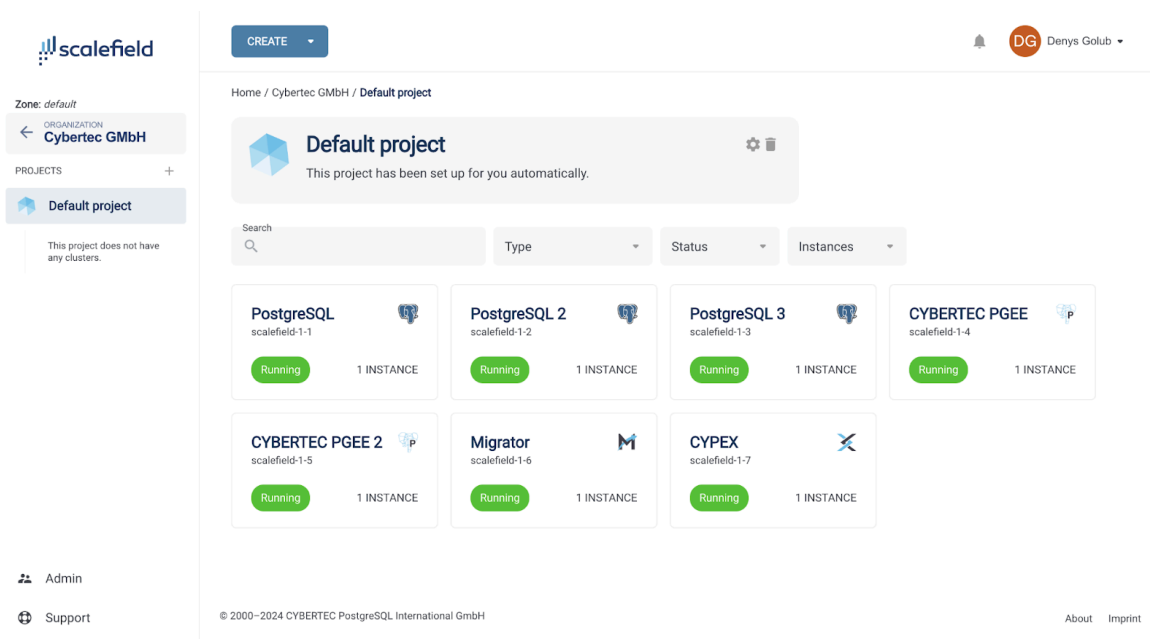


```
SELECT TOP 5 * FROM SampleTable ORDER BY id DESC

CREATE PROCEDURE [dbo].[sp_GetNextRecId]
    @tableId INT,
    @recId BIGINT OUTPUT
AS
BEGIN
    SET NOCOUNT ON;
    DECLARE @recVersion INT
    SELECT @recId = [NEXTVAL], @recVersion = [RECVERSION] from [SYSTEMSEQUENCES] WHERE [TABID] = @tableId
    IF (@recId > 0)
    BEGIN
        UPDATE [SYSTEMSEQUENCES] SET [NEXTVAL] = @recId+1, [RECVERSION] = @recVersion+1
        WHERE [TABID] = @tableId
    END
    ELSE
    BEGIN
        DECLARE @dataAreaId NVARCHAR(4)
        SELECT TOP(1) @dataAreaId = DATAAREAID FROM [SYSTEMSEQUENCES] WHERE DATAAREAID <> ''
        IF (@dataAreaId IS NULL)
        BEGIN
            SELECT @dataAreaId = ''
        END
        SELECT @recId = 5637144576
        INSERT INTO [SYSTEMSEQUENCES]
            ([ID], [NEXTVAL], [MINVAL], [MAXVAL], [CYCLE], [NAME],
            [TABID], [DATAAREAID], [RECVERSION], [RECID])
            VALUES
            (-1, @recId+1, 1, 9223372036854775807, 0, 'SEQNO', @tableId, @dataAreaId, 1, -1)
    END
END
```

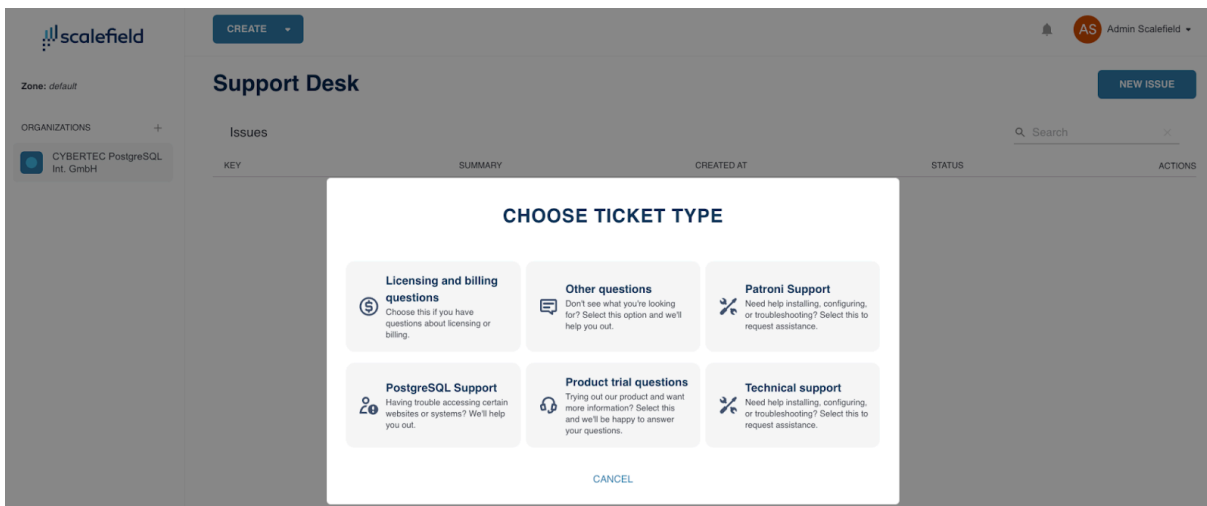
PROVING VALUE TO CUSTOMERS

Every single product can be marketed one by one - however, the power of integration will allow us to sell **ONE PACKAGE** that contains it all:



By marketing **Scalefield** as a product that allows a customer to deploy every single solution as part of a larger product, we can fully benefit from tight integration:

- Integrated **support** and consulting
- More oversight over **resource** usage
- More streamlined **customer experience**



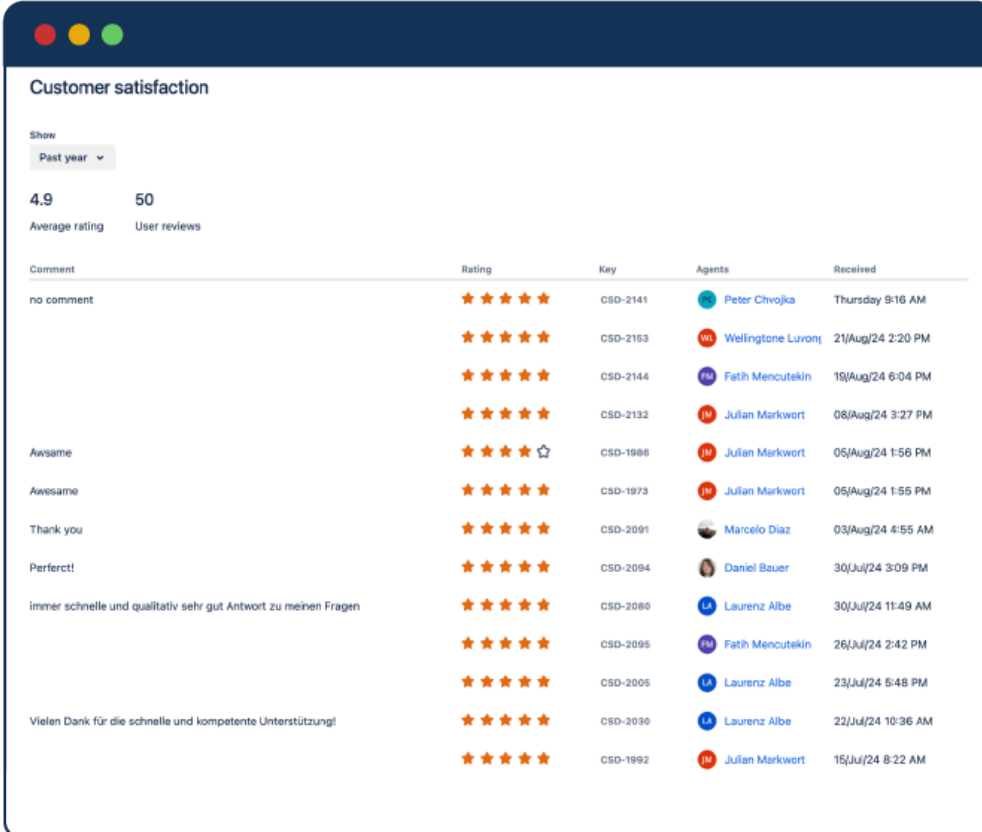
Finally, we fully integrate with **CYBERTEC support services** to ensure that customers have a single point of contact for all potential issues.

SERVICE STRATEGY: EXCELLENCE MATTERS

We at CYBERTEC focus heavily on **professionalism** at **every level**. This is reflected in our feedback, **SLA** statistics (no misses) and in overall customer **satisfaction**, that helps us to achieve

- **Long term** customer relationships
- Excellent customer **satisfaction**














We never have, and never will, sacrifice short-term profits over long-term **customer satisfaction**, as we consider unhappy customers to be the worst investment known to us.



Customer satisfaction

Show
Past year

4.9 **50**
Average rating User reviews

Comment	Rating	Key	Agents	Received
no comment	★★★★★	CSD-2141	 Peter Chvojka	Thursday 9:16 AM
	★★★★★	CSD-2163	 Wellington Luvoni	21/Aug/24 2:20 PM
	★★★★★	CSD-2144	 Fatih Mencutekin	19/Aug/24 6:04 PM
	★★★★★	CSD-2132	 Julian Markwort	08/Aug/24 3:27 PM
Awesome	★★★★☆	CSD-1986	 Julian Markwort	05/Aug/24 1:56 PM
Awesome	★★★★★	CSD-1973	 Julian Markwort	05/Aug/24 1:55 PM
Thank you	★★★★★	CSD-2091	 Marcelo Diaz	03/Aug/24 4:55 AM
Perfect!	★★★★★	CSD-2094	 Daniel Bauer	30/Jul/24 3:09 PM
Immer schnelle und qualitativ sehr gut Antwort zu meinen Fragen	★★★★★	CSD-2080	 Laurenz Albe	30/Jul/24 11:49 AM
	★★★★★	CSD-2095	 Fatih Mencutekin	26/Jul/24 2:42 PM
	★★★★★	CSD-2005	 Laurenz Albe	23/Jul/24 5:48 PM
Vielen Dank für die schnelle und kompetente Unterstützung!	★★★★★	CSD-2030	 Laurenz Albe	22/Jul/24 10:36 AM
	★★★★★	CSD-1992	 Julian Markwort	15/Jul/24 8:22 AM