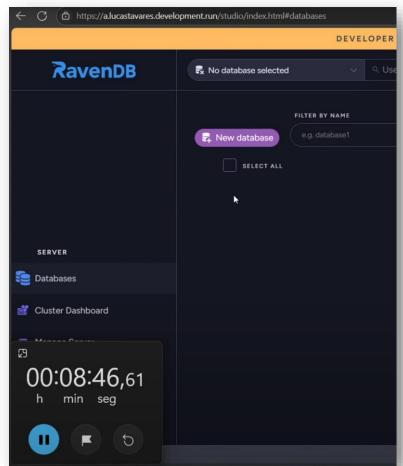
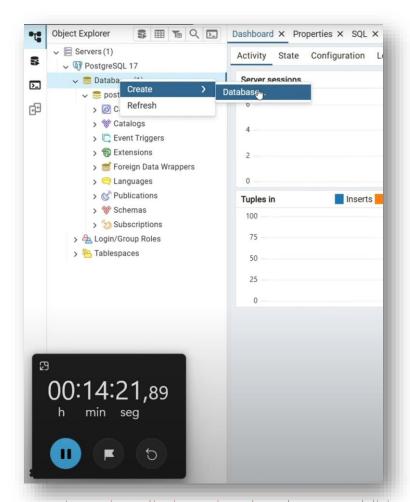




Server setup experience



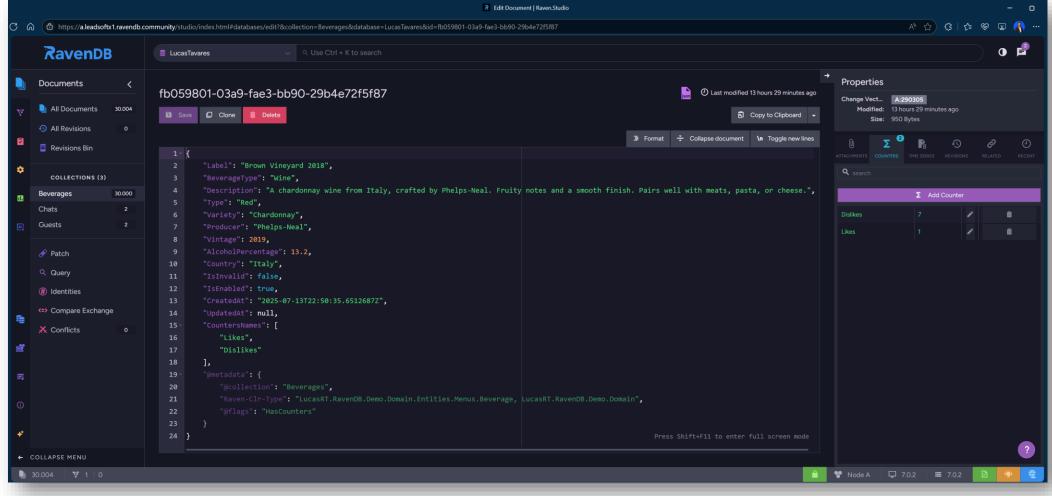
- No installation needed, just download server files and run or configure service (1 click).
- Less than 10 minutes to be ready to create database and connect your application.
- Web interface to manage database, no extra installation needed, even from your mobile browser.



- Long installation wizard and many additional options.
- Over than 10 minutes to be ready to create database and connect your application.
- Installed IDE to view data, thirdy party web or from console. It would be challenging to access from mobile.

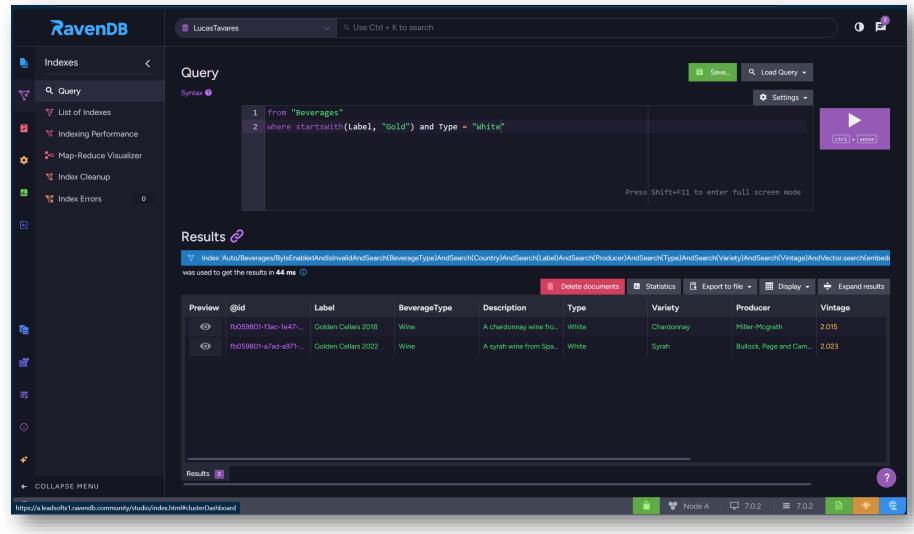


Easy web document navigation



- Very simple and powerful web interface that might save your time
- Inclusive to non technical personel to navigate on data.

Easy web document navigation



- Very simple to query with SQL semantic based (LINQ).
- RQL is very Strong to Search and update data in a readable way.

Dynamic data model for Al

```
"Name": "David Gilmour",
                                                                        "Email": "dg@pinkfloyd.com",
                                                                        "Nationality": "English",
                                                                        "Other_Relevant_Information": {
                                                                            "Drinks": {
"Email": "lucas@leadsoft.inf.br",
                                                                                 "Night": "Wine",
                                                                                 "Day": "Beer"
"Other Relevant Information": {},
       "Name": "WhatsApp",
                                                                        "SocialNetworks": [
       "Url": "+55 41 991777488"
                                                                                 "Name": "Instagram",
                                                                                 "Url": "@davidgilmourofficial"
       "MemberNames": [
                                                                             "@collection": "Guests",
       "ErrorMessage": "The Nationality field is required."
                                                               21 }
                                                                                                                                                                     namespace LucasRT.RavenDB.Demo.Domain.Entities.Guests
```

- If your AI can get information from a chat, it might get more or less information than a form.
- It's possible to include model validation on documents, so you can keep tracked business invalid documents to fix further, without losing data or losing your client.
- All that with a very simple object
- No need to create tables or database Sync with migrations.
- Business rules focused in your code.
- Easier merges, less bugs, faster GoLive.

```
[Serializable]
[DataContract]
9 references
public partial class Guest : AsValidCollection
{
    [Required]
    [DataMember]
2 references
public string Name { get; set; } = string.Empty;

    [EmailAddress]
    [DataMember]
2 references
public string Email { get; set; } = string.Empty;

    [Required]
    [DataMember]
2 references
public string Nationality { get; set; } = string.Empty;

    [Required]
    [DataMember]
2 references
public dynamic Other Relevant Information { get; set; }

    [DataMember]
2 references
public IList<SocialNetwork> SocialNetworks { get; set; } = [];
}
```



Semantics seach (Vector Search Embedding text)

```
Request URL

https://localhost:7198/Menus/Vector?searchtext=gorgonzola%20europe&currentPage=0

Server response

Code Details

Response body

"Description": "A tempranillo wine from France, crafted by Schmidt-Holland. Fruity notes and a smooth finish. Pairs well with meats, pasta, or cheese }, {
    "Id": "fb059801-97aa-21d6-6715-8cabafb6a345",
    "Item": "Vaughan Vineyard 2018 | Italy | White | Tempranillo | Schmidt-Holland",
    "BeverageType": "Wine",
    "Description": "A tempranillo wine from Italy, crafted by Schmidt-Holland. Fruity notes and a smooth finish. Pairs well with meats, pasta, or cheese }, {
    "Item": "Wong Cellars 2020 | France | Rosé | Tempranillo | Gonzalez LLC",
    "BeverageType": "Wine",
    "Description": "A tempranillo wine from France, crafted by Gonzalez LLC. Fruity notes and a smooth finish. Pairs well with meats, pasta, or cheese."
    , "Description": "A tempranillo wine from France, crafted by Gonzalez LLC. Fruity notes and a smooth finish. Pairs well with meats, pasta, or cheese."
    , "Description": "A tempranillo wine from France, crafted by Gonzalez LLC. Fruity notes and a smooth finish. Pairs well with meats, pasta, or cheese."
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```

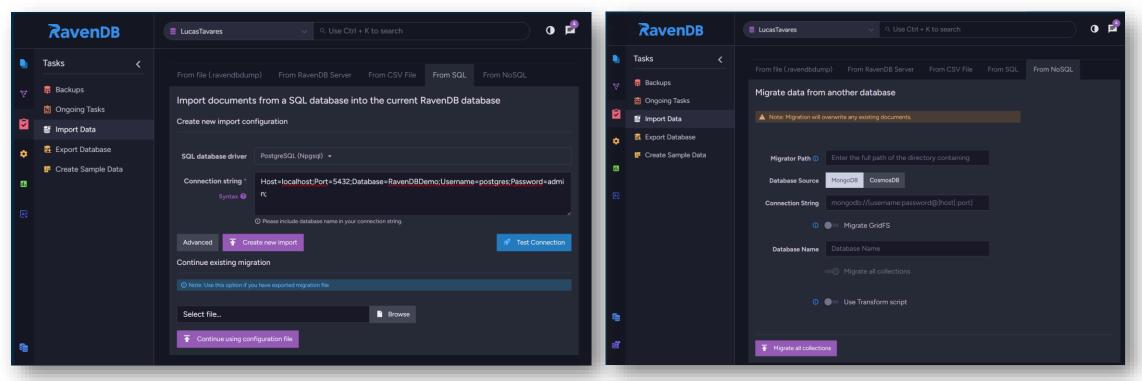
```
Request URL
 https://localhost:7198/Menus/Vector?searchtext=american%20burger&currentPage=0
Server response
Code
            Details
            Response body
                  10 : TD059801-34D5-TQ93-ZAD5-ZZQ0TZCQD418 ,
                 "Item": "Golden Dog | USA | Lager | | Hammond-Ross",
                 "BeverageType": "Beer",
                  "Description": "Lager style beer brewed by Hammond-Ross in USA. Refreshing and flavorful with balanced bitterness. Great with snacks or burgers."
                 "Id": "fb059801-76b3-60a9-275c-aae44e4506e4",
                 "Item": "Lazy River | USA | Lager | | Rodriguez-Gross",
                 "BevenageType": "Beer",
                  "Descrbiption": "Lager style beer brewed by Rodriguez-Gross in USA. Refreshing and flavorful with balanced bitterness. Great with snacks or burgers.
                 "Id": "fb059801-9ab2-5dde-4aba-0ba4c34d343f",
                 "Item": "Frosty River | USA | Lager | | Jackson, Stein and Carney",
                  "Description": "Lager style beer brewed by Jackson, Stein and Carney in USA. Refreshing and flavorful with balanced bitterness. Great with snacks o
                 "Id": "fb059801-0bb3-d5af-d17e-6480ac0ad845",
                 "Item": "Hoppy Dog | USA | Lager | | Scott-Hudson",
                  "BeverageType": "Beer",
                  "Description": "Lager style beer brewed by Scott-Hudson in USA. Refreshing and flavorful with balanced bitterness. Great with snacks or burgers."
```

- A Database that understands what you mean and find information for you.
 - Searched text for a Beverages Menu with 30.000 items: "Gorgonzola europe"
 - Query time: 82ms
- None of that literal text information is in Description field, where the vector search occurred in this sample.
- Similar experience searching for "American Burger"

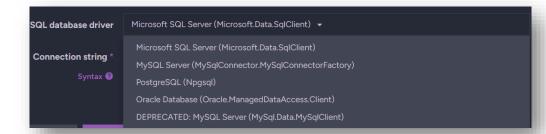
So, imagine if you have your data details available to be understood and queried?

Fantastic.

SQL or NoSQL data migration tool

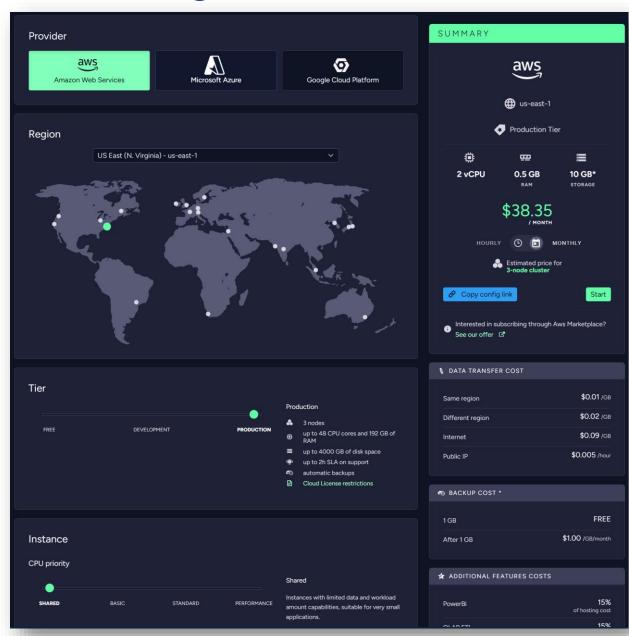


- Connect on your current databases and bring data automatically to RavenDB
- Your database schema will be automatically mapped and converted to a Valued Object based on tables relationship. So you won't lose your existing application domain and your current business rules

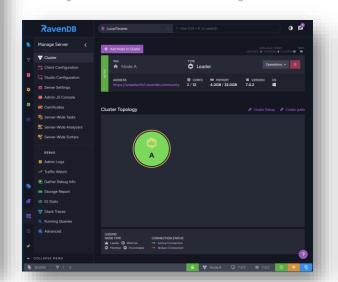


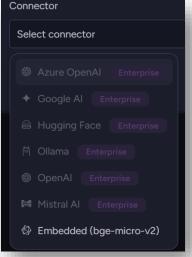
RavenDB

Licensing



- On the cloud you wish.
- You don't need a very large machine to get extremely high performance.
- RavenCloud includes
 - Secure by default (SSL)
 - Automated backups by default
 - Customizable AutoScaling
 - 3 Nodes replicance by default
 - Storage auto expand
 - Embeddings for vectors
- Many Al direct plugs
 - OpenAl
 - AzureOpenAl
 - Ollama
 - Google Al
- Everything smooth and easy to configure from Studio or Cloud Panel.
- Dynamic and UI friendly cluster configuration





Resume

What RavenDB can bring to your business?

- Faster environment setup to your team
 - For large teams, that can reflect on a minor budged
- Ease of use: It's very simple to configure, start using and learn new things
 - No migration needed.
 - Fast and optimized by default
- Create applications with less code:
 - Less code = less bugs
 - Less code = minor merges
 - Minor merges = safer and faster GoLive
 - Safer and faster GoLive = Success



- All you need is included by default in RavenDB and you can manage it from your phone, if you wish to.
- Al First!
 - Don't worry about data modeling for dynamic data that comes from Al.
 - You can query your data with semantigs, the Database will understand your search, and find your data based on known information.
- Care about the business, not to the Database:
 - RavenDB was design to be "forgotten". It will make all the work do store, optimize and deliver your data while you just need to care of your backend.
 - You won't need a DBA anymore.
- Security and backup
 - RavenCloud will manage all of that for you
 - SSI secured



Ready to fly?



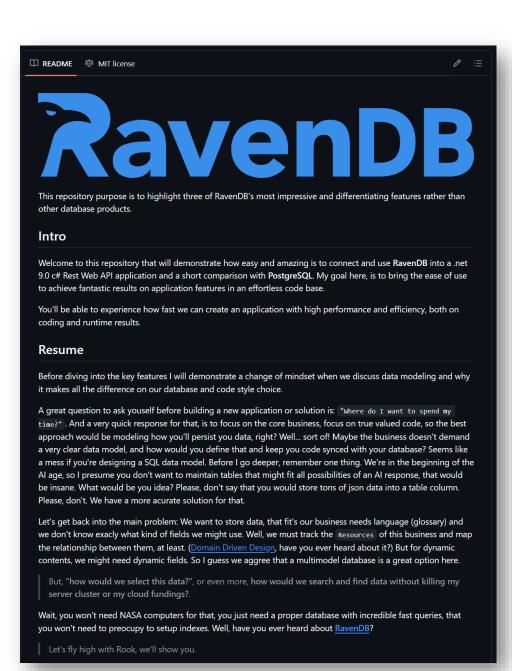
Examples

- Check this <u>Repository on Git Hub get practical</u> examples:
 - leadsoftlucas/ravendb-demo
- Watch on YouTube dive in the comparison:











Lucas Tavares 📀

RavenDB Enthusiast

Location: Curitiba, Brazil
Contact: lucas@leadsoft.inf.br

Professional Summary: Experienced technology professional working in the field since 2007, Lucas has held various developer roles in companies spanning sectors from ERP systems to payroll credit banking. A truly RavenDB enthusiast since the first usage.

Vision: Lucas believes strongly in agile, flexible software development focused on delivering tangible business value and real-world impact. He is an official partner ans enthusiast of **RavenDB** in Brazil.

Leadership: A pragmatic leader, assertive communicator, and result-oriented professional, Lucas leads teams using agile and innovative methodologies. His approach fosters collaborative environments that consistently deliver strategic business outcomes.

Purpose: Lucas specializes in transforming complex ideas into practical, actionable solutions, driving business growth with intelligent technology.

Technical Expertise: Lucas is an expert in high-performance backend development, Web APIs using .NET C#, and databases using RavenDB. He is proficient in implementing Hexagonal Architecture and Domain-Driven Design (DDD), enhancing software scalability, maintainability, and clarity.

Specializing in data modeling DDD (Domain-Driven Design) orientated, he designs solutions with robust data acquisition capabilities, optimal performance, and significant information generation.

Core Competencies:

- Agile Software Development
- Backend Engineering
- High-Performance Web APIs
- RavenDB Implementation
- Domain-Driven Design (DDD)
- Hexagonal Architecture
- Data Modeling & Performance Optimization
- Team Leadership & Communication

Thank you for your time!

