

DYNAMIC AI

Modern Business Intelligence: 25 Years of Innovation

A ~~Deep~~ Dive into Our Next-Generation
Platform

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Agenda & Overview

25
YEARS

- Introduction & Legacy
- Modernization Journey
- Architecture & Platform
- Data Connectivity
- Reporting & Analytics
- All-in-One Solution
- Competitive Landscape
- Q&A



Our Legacy & Market Presence

- 25 Years of Operation
- Data Access since 2003...
- Trusted Globally
- Key Industries: Finance, Manufacturing, Legal
- Proven Impact

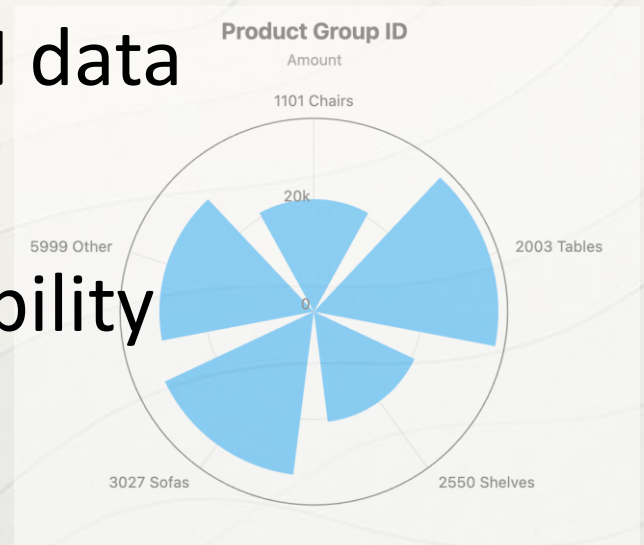
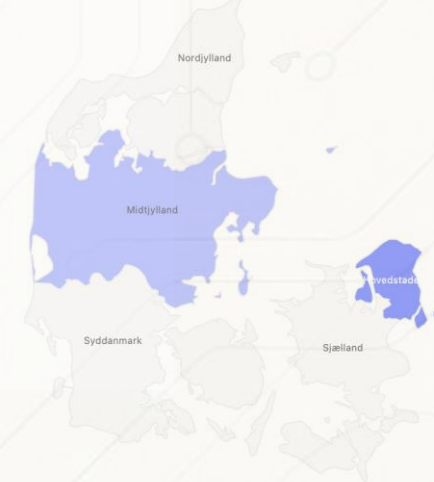
The Modernization Journey

- Windows 32 to Windows 64 + Linux
- From x86 to x86 + ARM64
- From VB6 to C++
- From IIS to included Apache/nginx
- SPA Responsive Frontend (Lit & Material)
- Automated Testing (C++ & Cypress)

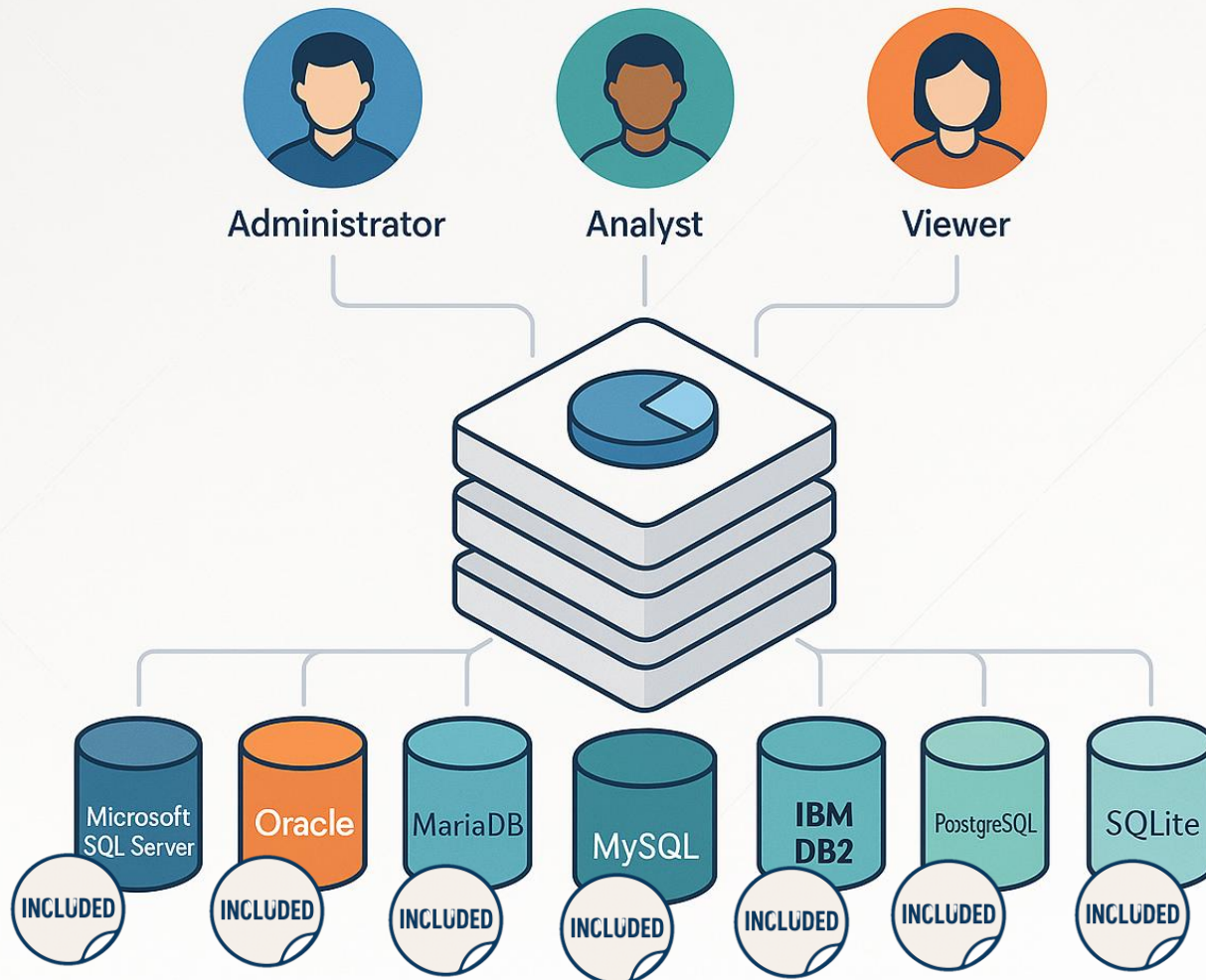


Architecture & Platform Overview

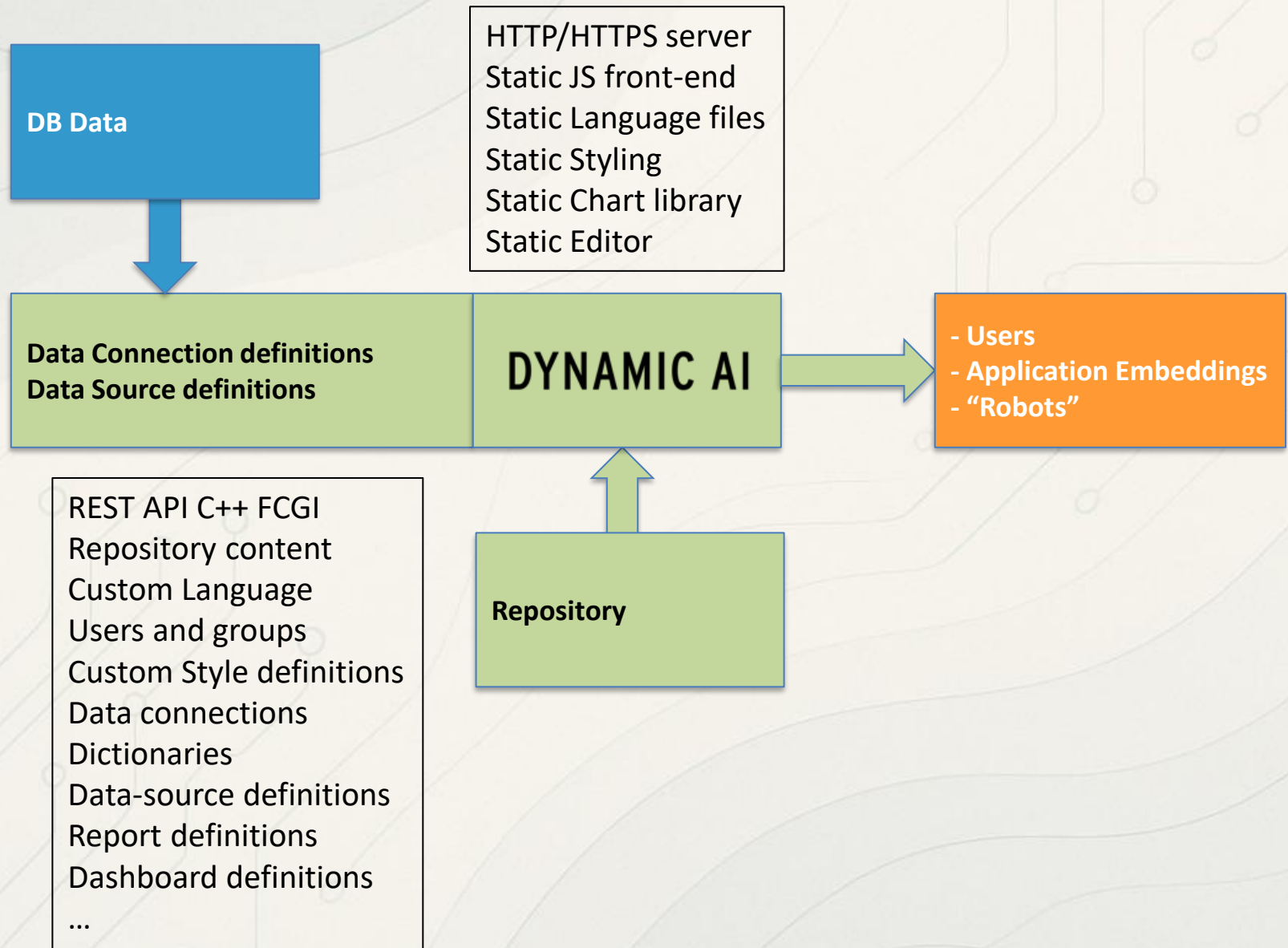
- 64-bit UTF8 for Windows & Linux
- Modular, Multi-tier Design
- Newest Chart and Maps library
- Embedded VS Code editor
- JSON templating and JSON data
- REST API
- High Performance & Scalability



Data Connectivity & Integration



Architecture Diagram



Feature Showcase – Reporting & Analytics

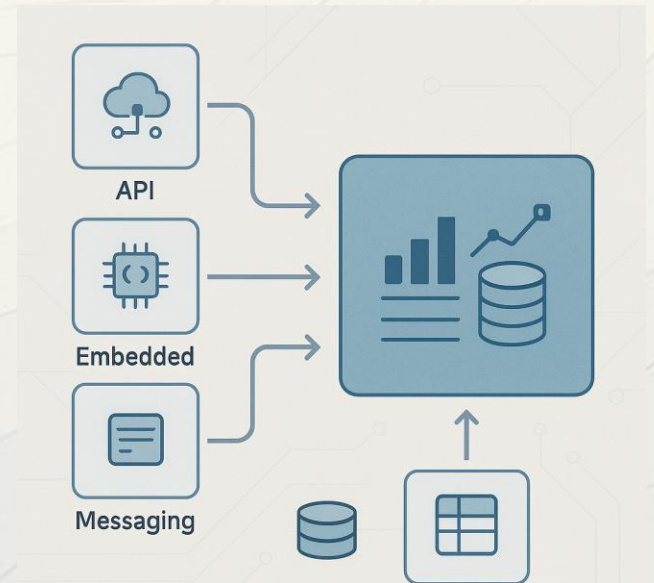
- Interactive Reports, Charts & Maps
 - Scrolling, big table handling, freezed panes
- Customizable Dashboards
 - Open on top / drill-down
- In-app Editing & Exports
 - Capture mappings, note taking
- Command Line Reporting
 - Scheduled reporting / backend creation

Frontend & User Experience

- Modern, Responsive UI
 - Declarative JSON Templates
 - Evergreen Browser & Mobile Support
- UI itself:
- “Less is More” ...
 - “Data is the king”
 - 80/20 ... 90/10 ... rules
 - Navigate List / cards – selectors / search

Integration & Extensibility

- Embedded Mode (IFRAME / OBJECT)
- Messaging object for Host Integration
- ...REST API for Customization

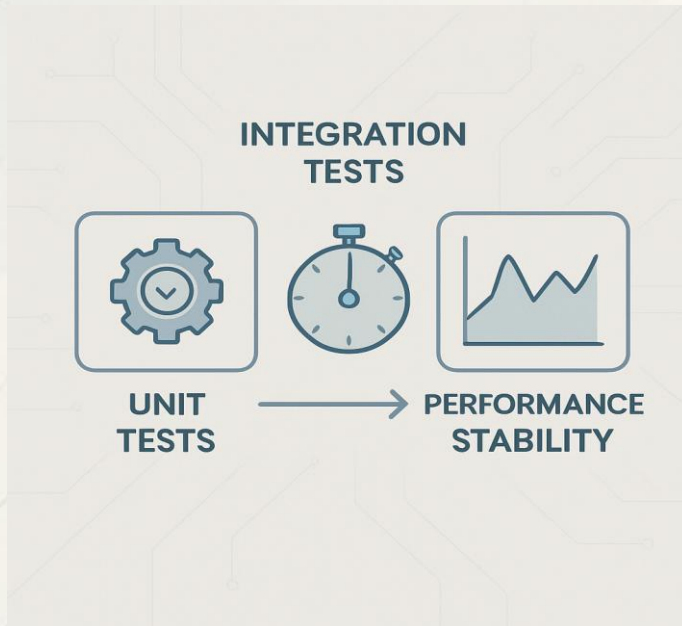


Security Enhancements

- SQL Binding
- XSS Protection (Lit)
- Content Security Policy



Testing & Reliability



- C++ Unit Tests
- Extensive Cypress Tests
- Performance Under Load

... a bit like in

DataFlex

- Same TechStack - 64 bit UTF-8 + Windows, Linux
- Same DB's (Oracle, MS SQL, MySQL ...)
- Similar SQL, Table, Dictionary, SQL, Preview logic
- Styling also with –global vars
- Structs = DAI JSON Objects
- Integrates with webview2 messaging
- Etc.

... a bit like in

DataFlex

```
← Global System Styling

1 :host, body {
2   --dai-theme-primary: #303F9F;
3   --dai-theme-secondary: #757575;
4   --dai-theme-bgApplyfont: #B1C5E3;
5   --dai-theme-formBgColor: rgba(0, 0, 0, 0.02);
6   --dai-theme-readOnlyformBgColor: white;
7   --dai-theme-selected: #4977B6;
8   --dai-theme-fab: #4977B6;
9   --dai-dialogbutton-bg: #3F51B5;
10  --dai-dialogbutton-fg: #B1C5E3;
11  --dai-dialogbutton: #3F51B5;
12
13
```

Dte

< APR > < 2025 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

FROM..TO CLEAR

SQLite local / Contacts

```
1 SELECT
2   "Contact_Country",
3   "Contact_Name",
4   "Contact_Type",
5   "ContactID",
6   "Contact_Classification"
7
8 FROM "Contacts" "DAI_"
9
```

- AdvoTidspost
- BudgetInput
- ChartOfAccounts
- Companies
- Contacts

#	Contact Country	Contact Name	Contact Type	Contact ID	Contact Classification
1	DK	Ana Trujillo Emparedados y helados	Wholesalers	100010	Customer
2	DK	Alfreds Futterkiste	Retailers	100011	Customer
3	NO	Around the Horn	Retailers	100012	Customer
4	DE	Antonio Moreno Taqueria	Retailers	100013	Customer
5	SE	Berglunds snabbköp	Wholesalers	100014	Customer
6	SE	Cactus Comidas para llevar	Retailers	100015	Customer
7	DK	Du monde entier	Wholesalers	100016	Customer

[73]



... a bit like in

DataFlex

DATA2014 company 2

SQLite local / Datasources



#	ID	Company	Dte	Reference	Description	Account	Amount	Version	Product	Employee	Contact	Hrs
1	5573	2	2014-01-01	12852	Development secondary wood	10014900	16,889	1	21	151	100091	4
2	5576	2	2014-01-15	12855	Enlarge secondary wood	10015050	5,761	1	10	143	100012	6
3	5579	2										7
4	5583	2										4

Sources Network Performance

Memory Application

Privacy and security

Lighthouse Recorder

AdBlock

Log

☒ Disable cache

No throttling

☐ Invert

More filters

All

Fetch/XHR

Doc

CSS

JS

Font

Img

Media

Manifest

WS

Wasm

Other

X

Headers Payload

Preview

Response

Initiator

Timing

```
ownergroups: v
  > properties: {level: 0, connectiontype: 3, drillprevious: "", anydetails: true, recordnumber: 0, recordto: 0,...}
  > referenceid: "1"
  > reportelements: {nodetype: "reportelements", namespace: "dynamicai.repository", owner: 1,...}
  > fields: [{name: "ID", type: "Integer", data: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 108]},...]
  > namespace: "dynamicai.repository"
  > nodetype: "reportelements"
  > owner: 1
  > runreport: {namespace: "custom", nodetype: "runreport",...}
  > fields: [{name: "###1", type: "Integer",...}, {name: "###2", type: "Integer",...},...]
  > 0: {name: "###1", type: "Integer",...}
  > data: [5573, 5576, 5579, 5583, 5586, 5589, 5593, 5596, 5599, 5603, 5606, 5609, 5613, 5616, 5619, 5623, 5626,...]
  > name: "###1"
  > type: "Integer"
  > 1: {name: "###2", type: "Integer",...}
  > 2: {name: "###3", type: "DateTime",...}
  > 3: {name: "###4", type: "Integer",...}
  > 4: {name: "###5", type: "String",...}
  > data: ["Development secondary wood", "Enlarge secondary wood", "Focus secondary wood",...]
  > name: "###5"
  > type: "String"
  > 5: {name: "###6", type: "Integer",...}
  > 6: {name: "###7", type: "Real",...}
  > 7: {name: "###8", type: "Integer",...}
  > 8: {name: "###9", type: "Integer",...}
  > 9: {name: "###10", type: "Integer",...}
```

<http://localhost:8080/DynamicAI/run/reports/1?>

GET

● 200 OK

AI

Live Demo

- Connect to DB
- Real-time Report Generation
- Responsive Dashboard Interaction

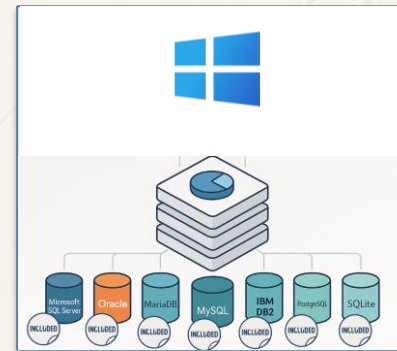
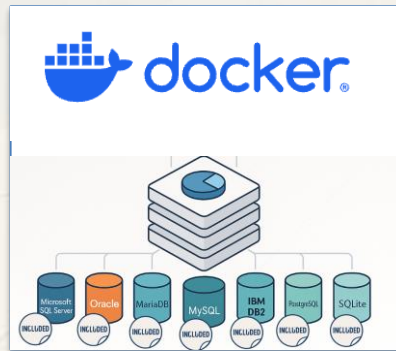
All-in-One Solution Benefits & Architecture

- Multi-layered user, role-and group based access
- Central repository for reports/modules
- Distributed administration and development



Closing, Roadmap & Next Steps

– 2 versions currently available:



– Future Roadmap

- More Import and Export Module / design
- More Chart options
- More dashboard layouts
- AI button in v7 ...

– Contact DAE for Demos/Trials

Q&A

- Questions?
- => multiple databases / systems
- => French ... dictionary column captions
- => Migration tool for v6 to v7 available