

Embarcadero Conference 2024

Inovação faz parte do nosso DNA!





TMR

CONSULTORIA &
DESENVOLVIMENTO

Como o Delphi pode mudar o jogo?

Tatu, **M**uka, **R**adical



Nicho Genérico X Nicho Específico

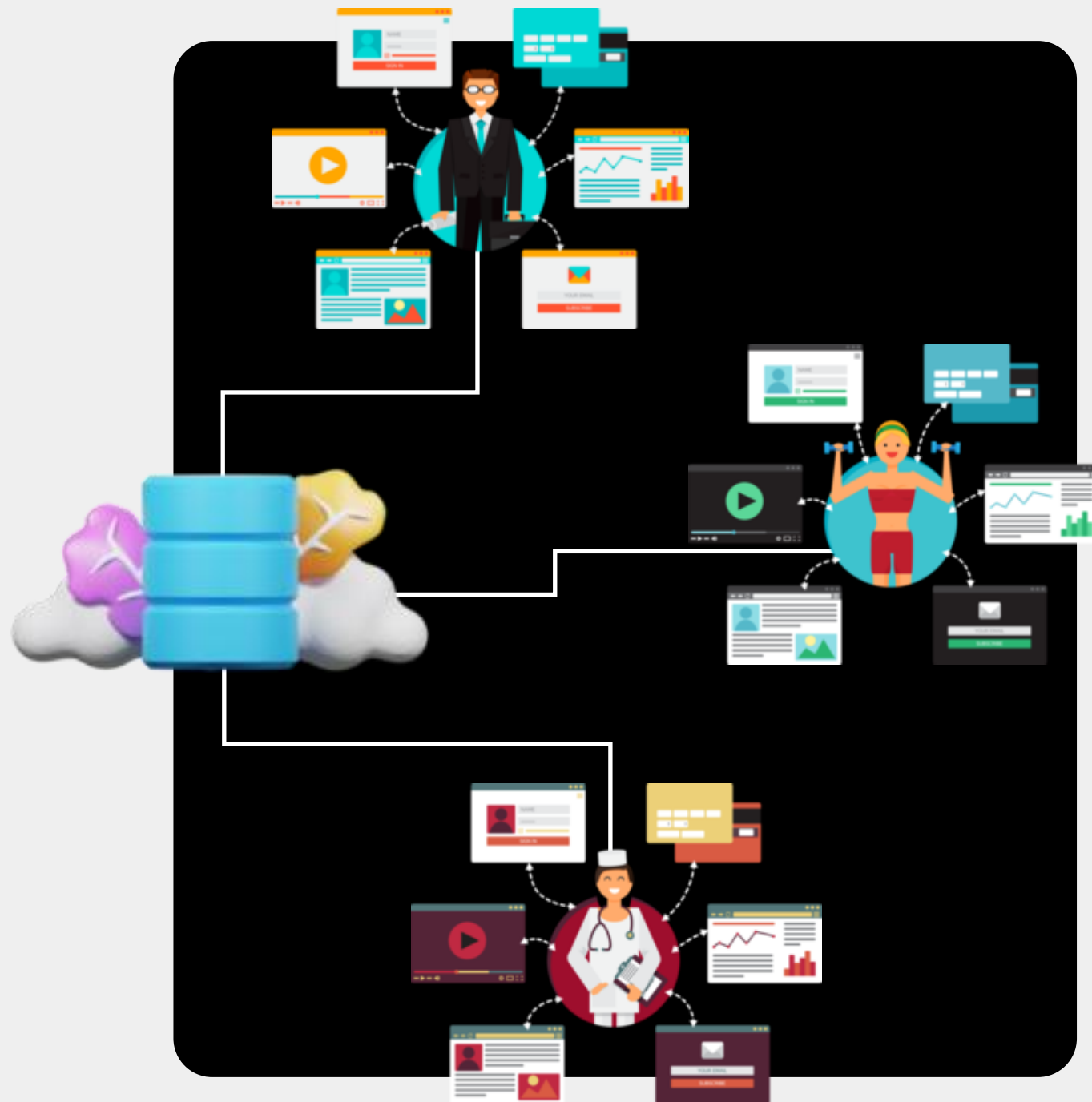


Nicho Genérico X Nicho Específico



O que vale é a experiência do usuário!

Não importa se o sistema é um monolito ou um emaranhado de micro serviços. Se trata de receber informação, processá-la e devolvê-la no formato que nossos clientes/usuários vejam sentido, com fluidez na utilização e resolvendo suas dores.



Vamos compartilhar o sucesso!



Nós somos



Tatu – Carlos Agnes
Muka – Samuel David
Radical – Luiz Sfolia

Normas para
Codificação Delphi
Versão 5.0



Faça o
Download



embarcadero®
MVP



Nós somos a TMR, especialistas em desenvolvimento com Delphi e suas plataformas satélites. Se há Delphi no meio, estamos prontos para ajudar a transformar o seu projeto!

WWW.TMRTI.COM.BR
@soutmrti

Nós somos



Tatu – Carlos Agnes
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Versão 5.0



Faça o
Download



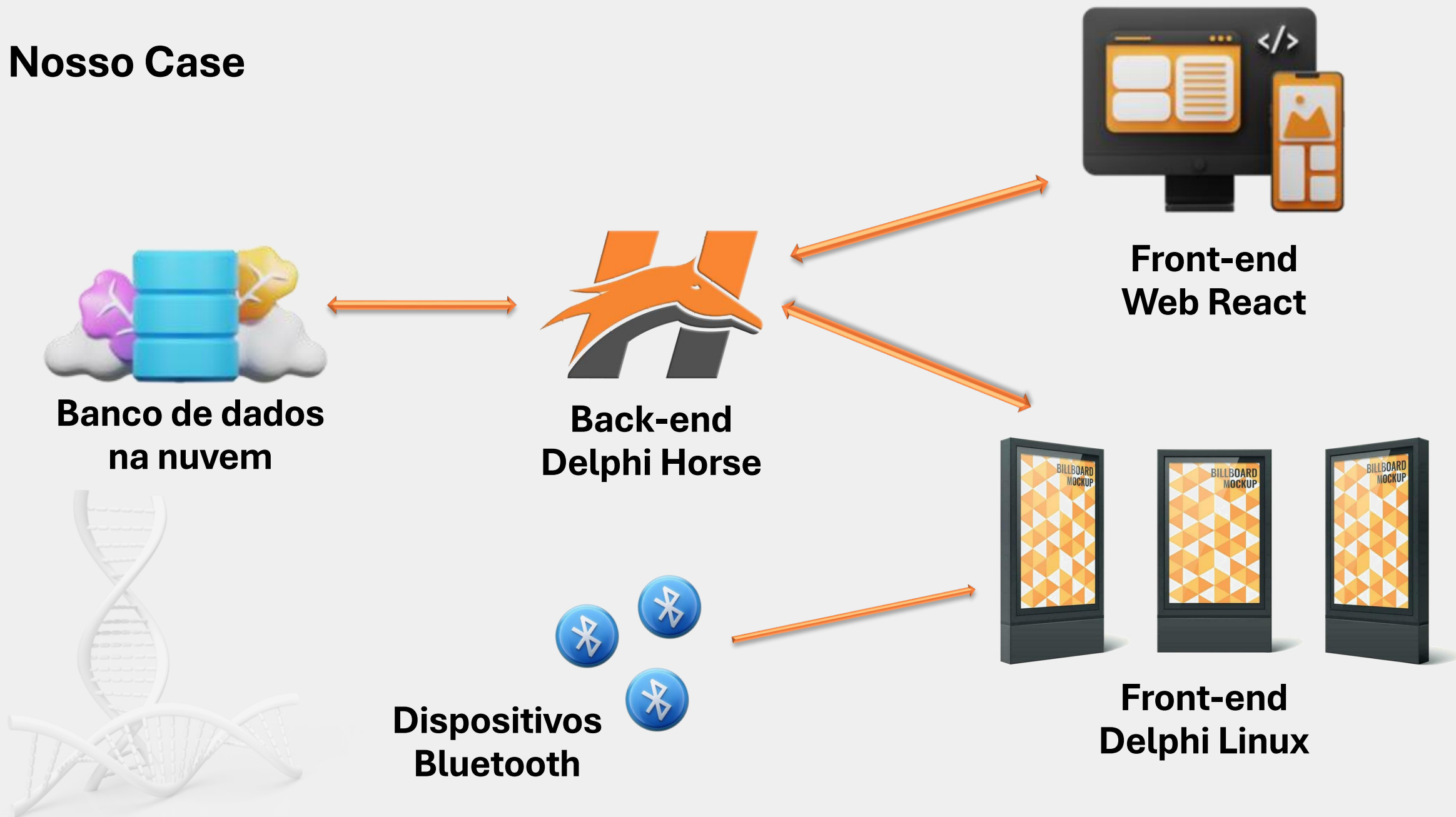
embarcadero®
MVP



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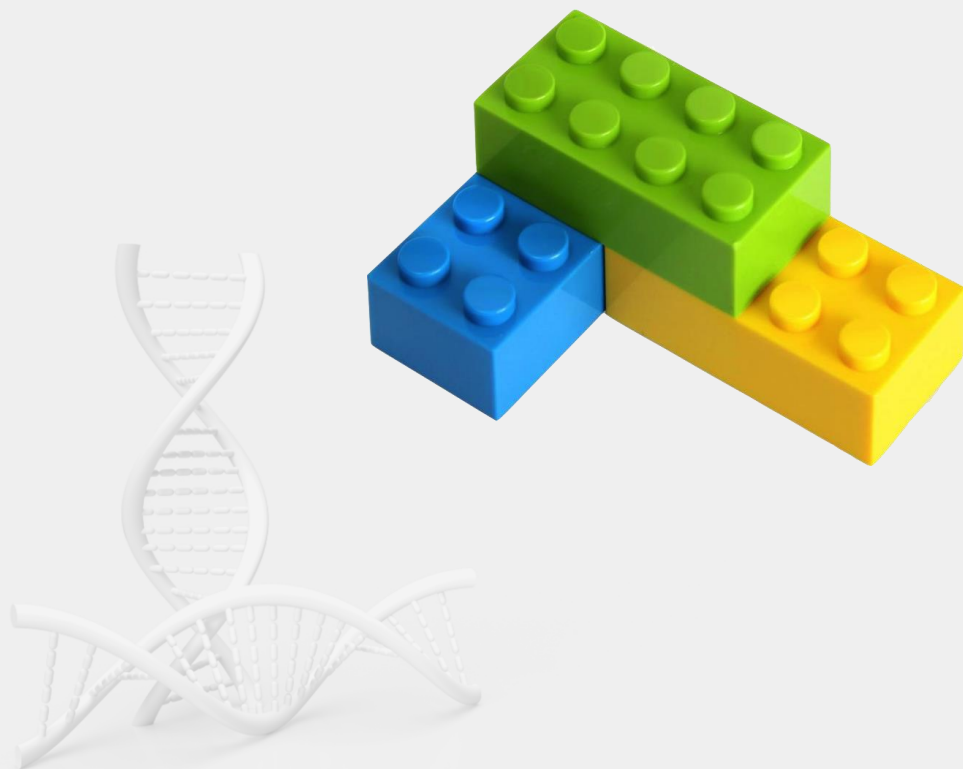
WWW.TMRTI.COM.BR
@soutmrti

Nosso Case




Back-end

Desacoplamento TOTAL



Back-end

Definição do papel



```
type
  IBackendSystemConfig = interface(ITFCCContextualized)
    ['{E9C5FE1A-FC46-4200-879C-184B25271518}']


    function GetDefaultAuthorization: string;
    function GetJWTKey: string;

    procedure Reload;

    property DefaultAuthorization: string read GetDefaultAuthorization;
    property JWTKey: string read GetJWTKey;
end;
```

Back-end

Implementação do papel



```
type
  TBackendSystemIniConfig = class(TTFCCContextualized, IBackendSystemConfig)
  strict private
    FDefaultAuthorization: string;
    FJWTKey: string;
  strict protected
    function GetConfigPath: string;
    function GetDefaultAuthorization: string;
    function GetJWTKey: string;

    procedure Reload;
  public
    constructor Create(pContext: ITFCCContext); override;
  end;
```


Back-end

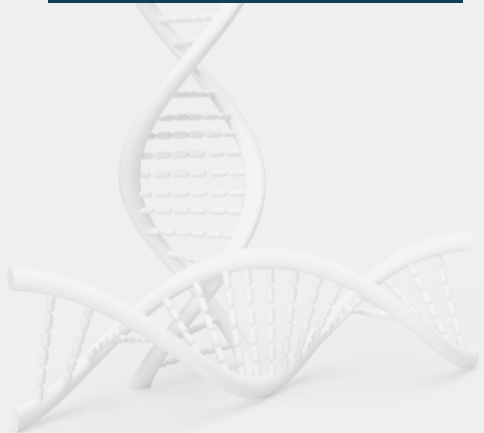
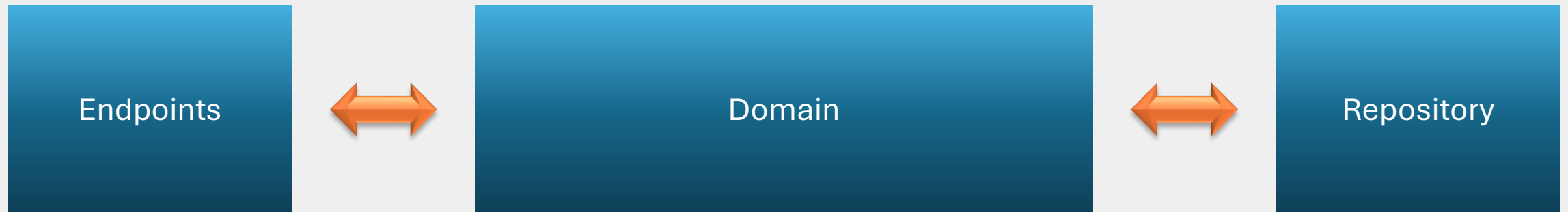
Utilização do papel

```
Result.AddPair('jwt', CreateJWT(  
    procedure(pJWT: TJWT)  
    begin  
        pJWT.Claims.SetClaimOfType<string>('idUser', pIDUser.ToString);  
    end, 3600, Context.Implementations.Get<IBackendSystemConfig>.JWTKey));
```



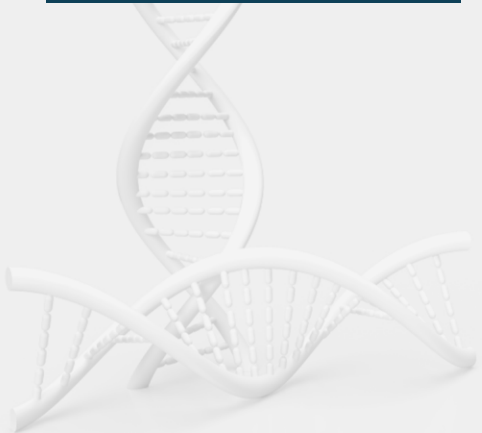
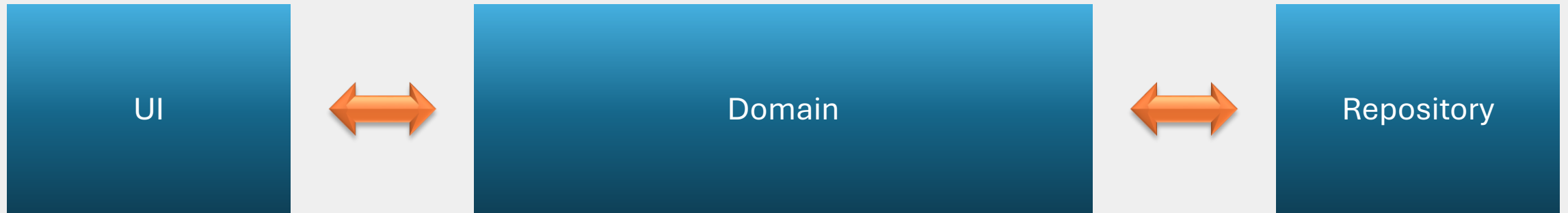
Back-end

Domain-Driven Design



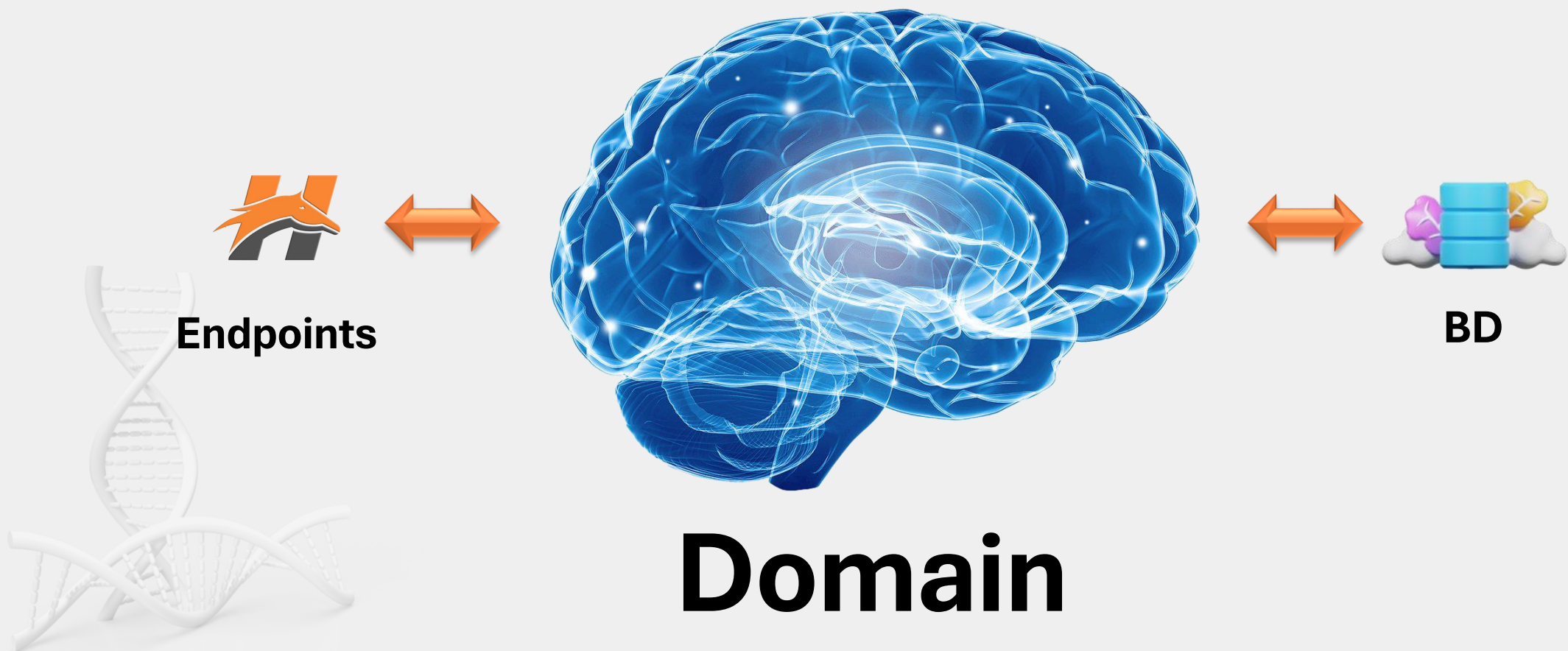
Front-end (spoiler alert!)

Domain-Driven Design



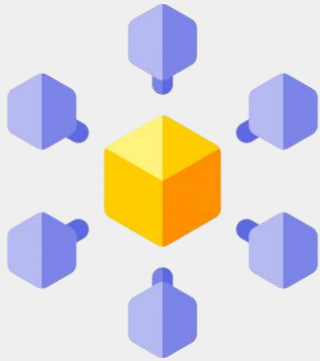
Voltando ao back-end

DDD em perspectiva



Voltando ao back-end

Ampliando o cenário



Fron-end Web

Delphi + Web - Opções



TMS WEB Core



HTML



HTML + CSS



HTML + CSS
+
JavaScript



Layouts

127.0.0.1:49918/\$

127.0.0.1:49918/\$

Mida

Mida - Vcl To IntraWeb - Delphi and C++Builder

Example : DB Application - ClientDataSet

www.midaconverter.com

Total Conversion is :

VCL To IntraWeb, dbIsam to EDB

AnyDac to FireDac , BDE To FireDac...

LAST NAME

Davis

FIRST NAME

Jennifer

ACCT NBR

1023495

ADDRESS

100 Cranberry St.

CITY

Wellesley

STATE

MA

ZIP

02181

☐ Path

RecordCount

⏮

⏪

⏩

⏭

☐ &TCheckBox

☒ TCheckBox

☐ &TRadioButton

☒ TRadioButton

THeader

TProgressBar

TLabel

TStaticText

TEdit

TEdit Disabled

BitBtn1

Button2 Default

Button1

TSpeedButton

OrderNo	CustNo	SaleDate	ShipDate	EmpNo	ShipToContact	ShipTo
1003	1351	12/04/1988	03/05/1988 12:00:00	114		
1004	2156	17/04/1988	18/04/1988	145	Maria Eventosh	PO Box 73
1005	1356	20/04/1988	21/01/1988 12:00:00	110		
1006	1380	06/11/1994	07/11/1988 12:00:00	46		
1007	1384	01/05/1988	02/05/1988	45		
1008	1510	03/05/1988	04/05/1988	12		
1009	1513	11/05/1988	17/05/1988	71		

File

Navigate

Navigate

Show Source Files

Home

Fish Facts

Line Chart

Horizontal Bar Chart

File Upload

CharEOL

SQL Query

Category

Triggerfish

Common Name

Clown Triggerfish

Length (cm)

50

Length (In)

19,6850393700787


50

Clown Triggerfish

Append

Edit Picture

Picture



Category

Triggerfish

Snapper

Wrasse

Angelfish

Cod

Scorpionfish

Shark

Ray

Grouper

Cyprinidae

Notes

Tahoma

Also known as the big spotted triggerfish. Inhabits outer reef areas and feeds upon crustaceans and mollusks by crushing them with powerful teeth. They are voracious eaters, and divers report seeing the clown triggerfish devour beds of pearl oysters. Do not eat this fish. According to an 1878 account, "the poisonous flesh acts primarily upon the nervous tissue of the stomach, occasioning violent spasms of that organ, and shortly afterwards all the muscles of the body. The frame becomes racked with spasms, the tongue thickened, the eye fixed, the breathing laborious, and the patient expires in a paroxysm of extreme suffering." Not edible. Range is Indo-Pacific and East Africa to Samoa.

Species No	Category	Common Name	Species Name	Length (cm)	Length (In)	Notes	Picture
90020	Triggerfish	Clown Triggerfish	Ballistodes conspicillum	50	19.6850393...	(MEMO)	(GRAPHIC)
90030	Snapper	Red Emperor	Lutjanus sebae	60	23.6220472...	(MEMO)	(GRAPHIC)
90050	Wrasse	Giant Maori Wrasse	Chelinus undulatus	229	90.1574803...	(MEMO)	(GRAPHIC)
90070	Angelfish	Blue Angelfish	Pomacanthus nauruchus	30	11.8110236...	(MEMO)	(GRAPHIC)
90080	Cod	Lunartail Rockcod	Variola louti	80	31.4960629...	(MEMO)	(GRAPHIC)
90090	Scorpionfish	Firefish	Pterois volitans	38	14.9606299...	(MEMO)	(GRAPHIC)
90100	Butterflyfish	Ornate Butterflyfish	Chaetodon ornatissimus	19	7.48031496...	(MEMO)	(GRAPHIC)
90110	Shark	Swell Shark	Cephaloscyllium ventriosum	102	40.1574803...	(MEMO)	(GRAPHIC)
90120	Ray	Bat Ray	Myliobatis californica	56	22.0472440...	(MEMO)	(GRAPHIC)
90130	Eel	California Moray	Gymnothorax mordax	150	59.0551181...	(MEMO)	(GRAPHIC)
90140	Cod	Lingcod	Ophiodon elongatus	150	59.0551181...	(MEMO)	(GRAPHIC)
90150	Sculpin	Cabezon	Scorpaenichthys marmoratus	99	38.9763779...	(MEMO)	(GRAPHIC)
90160	Spadefish	Atlantic Spadefish	Chaetodoperus faber	90	35.4330708...	(MEMO)	(GRAPHIC)

Web Application running inside a browser

Grid Panel component

First name:

Edit

Last name:

Edit

Email:

Edit

Country:

Edit

TMS Web Project

localhost:10000/TMSWeb_GridPanel/index.html

TMS WEB Core: GridPanel demo

Grid Panel component

First name:

Edit

Last name:

Edit

Email:

Edit

Country:

Edit

The GridPanel allows easy control of alignment and sizing of controls within the panel.

← Back to templates

Custom Theme



Sitemark-web
Web app

Dashboard > Home

🔍 Search...

📅 Apr 17, 2023



🏠 Home

📊 Analytics

👤 Clients

📅 Tasks

⚙️ Settings

ℹ️ About

❓ Feedback



Plan about to expire

Enjoy 10% off when
renewing your plan today.

Get the discount

Overview

Users

14k

Last 30 days

+25%



Conversions

325

Last 30 days

-25%



Event count

200k

Last 30 days

+5%



Explore your data

Uncover performance and visitor
insights with our data wizardry.

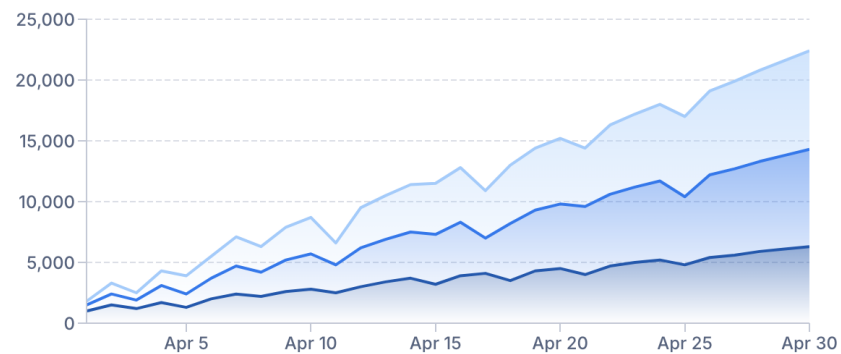
Get insights >

Sessions

13,277

+35%

Sessions per day for the last 30 days

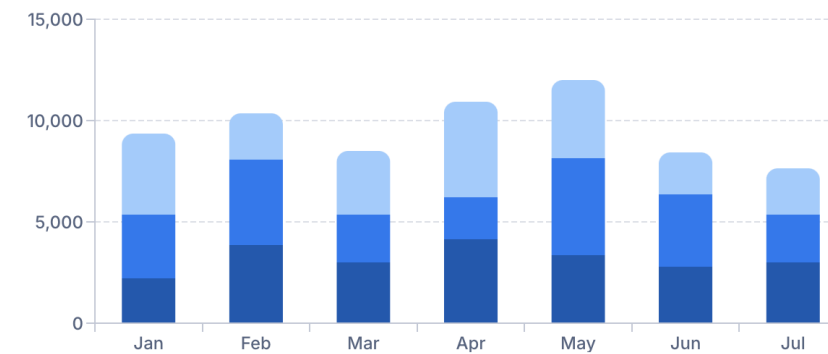


Page views and downloads

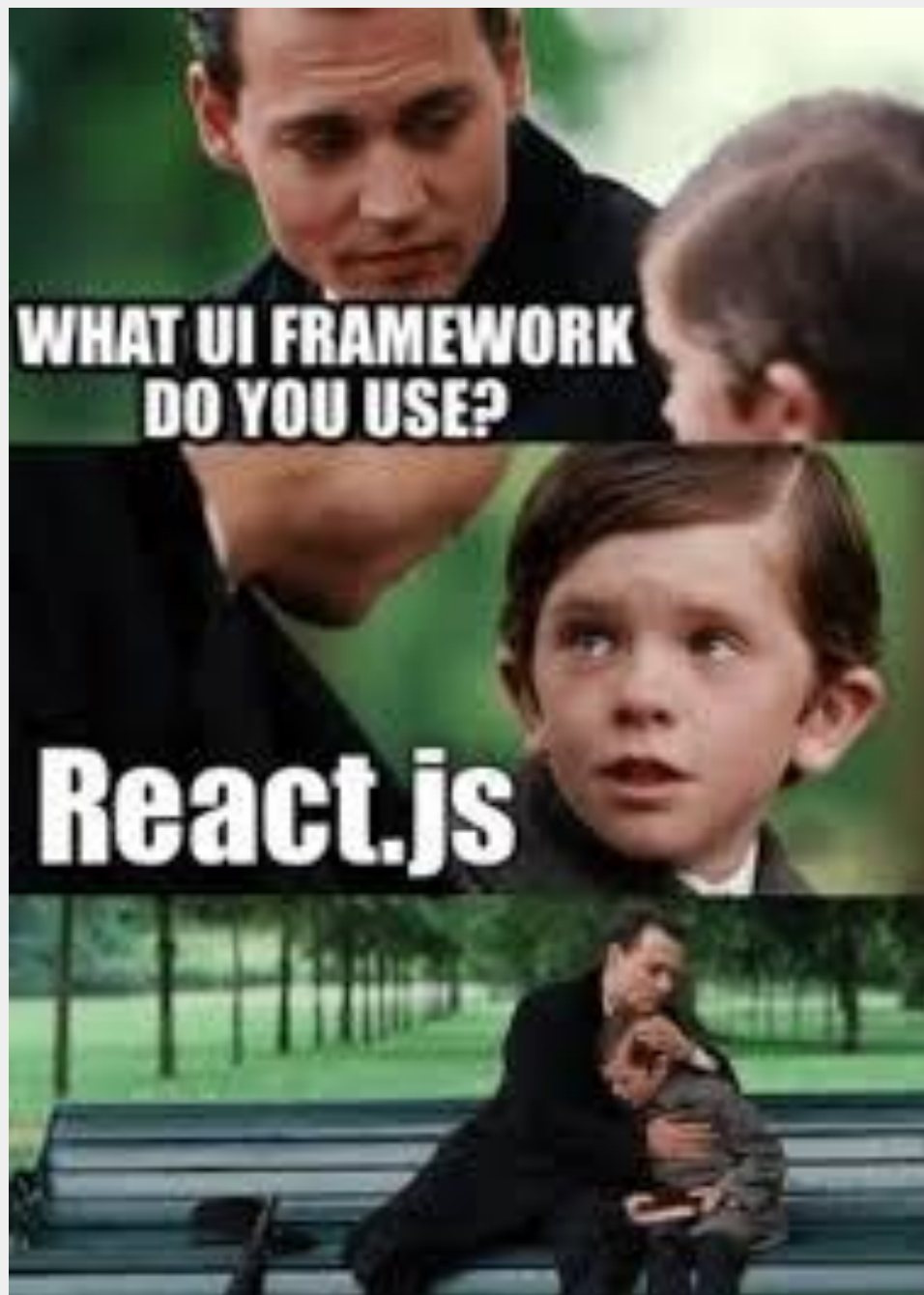
1.3M

-8%

Page views and downloads for the last 6 months



Details



Por quê?

- **Free;**
- **Amplamente usada para web;**
- **Comunidade muito grande;**
- **Muitas bibliotecas disponíveis;**
- **Facilidade de manutenção;**
- **Gerenciadores de pacotes;**
- **Gerenciadores de Deploy.**

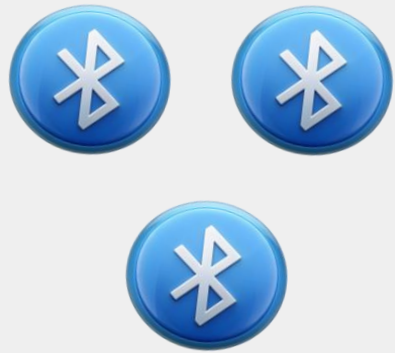


Delpheiros não programam Web!

Deploy



Front-end Linux



**Dispositivos
Bluetooth**

**Front-end
Delphi Linux**

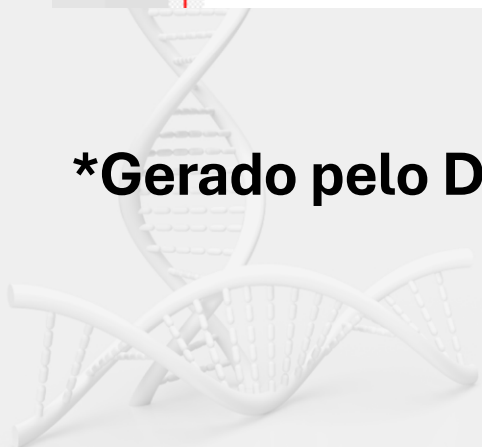


Recursos usados no front

TSkSvg -> Imagens em SVG e geração de QR Code;

```
1  <svg width="165" height="165">  
2  <rect width="165" height="165" x="0" y="0" fill="white"/>  
3  <rect width="5" height="5" x="0" y="0" fill="white"/>  
4  <rect width="5" height="5" x="0" y="5" fill="white"/>  
5  <rect width="5" height="5" x="0" y="10" fill="white"/>  
6  <rect width="5" height="5" x="0" y="15" fill="white"/>  
7  <rect width="5" height="5" x="0" y="20" fill="white"/>  
8  <rect width="5" height="5" x="0" y="25" fill="white"/>  
9  <rect width="5" height="5" x="0" y="30" fill="white"/>  
10 <rect width="5" height="5" x="0" y="35" fill="white"/>  
11 <rect width="5" height="5" x="0" y="40" fill="white"/>
```

***Gerado pelo DelphiZXIngQRCode.pas**

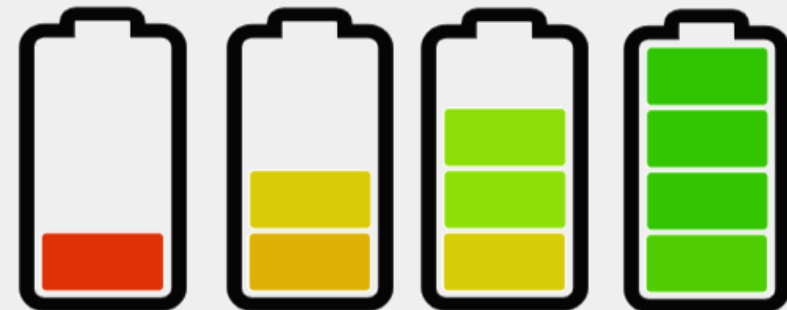


Recursos usados no front

TSkAnimatedImage -> Animações Lottie.

*Plus para a edição de cores e uso como progress bar

```
{
  "ty":"st",
  "bm":0,
  "hd":false,
  "mn":"ADBE Vector Graphic - Stroke",
  "nm":"Stroke 1",
  "lc":1,
  "lj":1,
  "ml":10,
  "o":{
  "w":{
  "c":{
    "a":0,
    "k":[
      <#R>,
      <#G>,
      <#B>
    ],
    "ix":3
  }
  },
}
```



Ganhando o jogo



- Back-end robusto e flexível;
- Front-ends rápidos e intuitivos;
- Tecnologia certa para resolver problemas específicos;
- Testes automatizados (bug não é algo normal).

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Quer me ver na
#ECON25?
Acesse o QRCode
e avalie minha palestra!




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Tatu – Muka - Radical

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