

The background features a city skyline at dusk or dawn, with a body of water in the foreground. Overlaid on this is a network of white lines connecting various red circular icons. These icons include a laptop, a smartphone, a tablet, and a stylized red helmet. A prominent red wireframe structure, resembling a molecular model or a complex network, is positioned to the right of the main text.

Embarcadero conference

embarcadero



FireDAC - Primeiros Passos

Alan Gleis / Kelder Merlotti

Alan Glei

- Tecnólogo em Banco de Dados
- Pós-Graduado em Gerencia de Projetos de TI
- Certificado em Delphi / Embarcadero MVP
- Gerente de Desenvolvimento e Instrutor da Lógica Treinamentos



Embarcadero Conference

Kelver Merlotti

- Embarcadero MVP
- Detentor de todas as RESPOSTAS



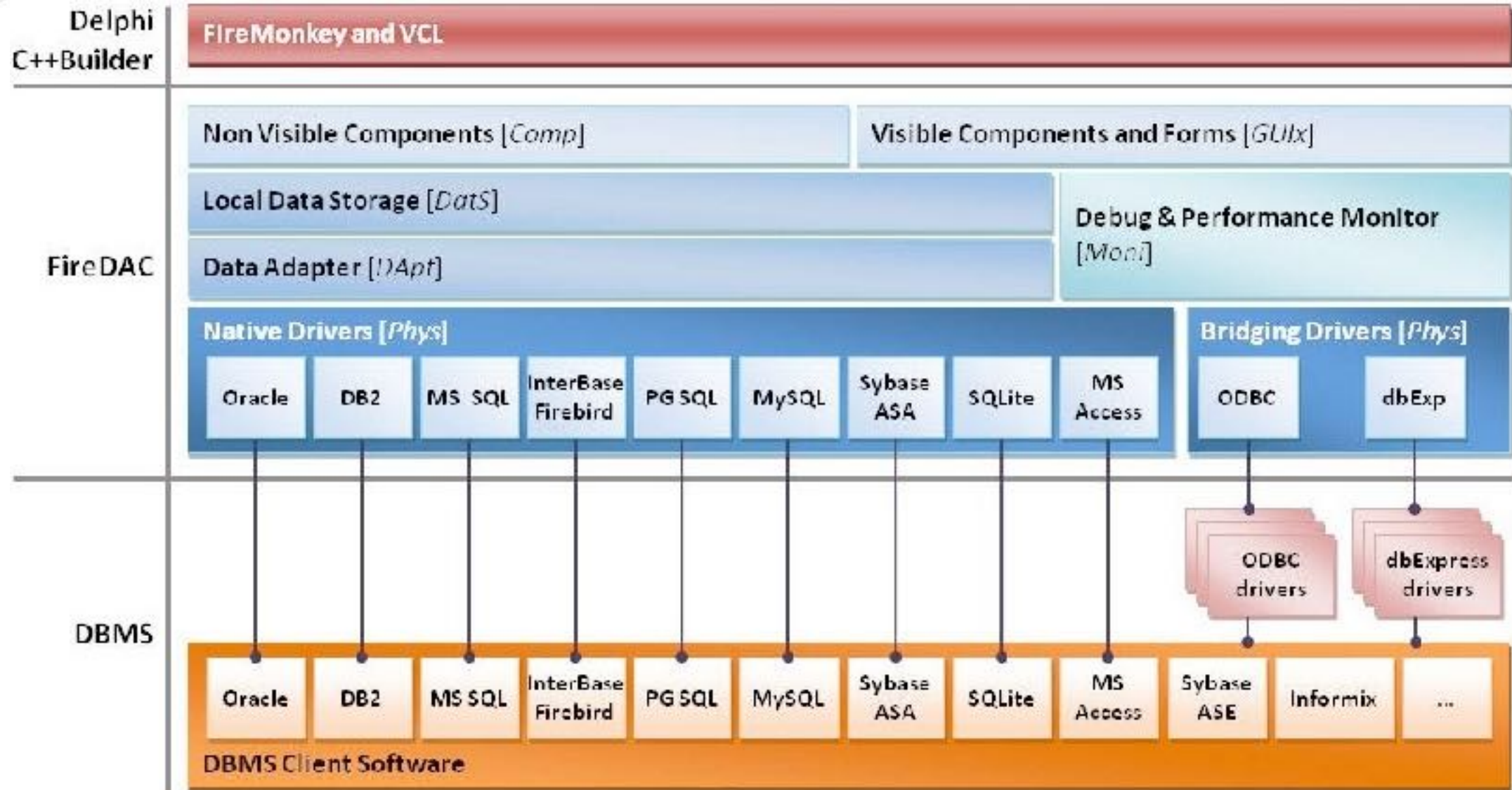
Agenda

- Visão Geral
- Arquitetura
- Principais SGDB's
- Conectividade
- Componentes
- Editores
- Configurações
- Demos

Visão Geral

- Framework de acesso a dados
- Cross-Platform
- Cross-DataBase
- Segue o padrão das Classes TDataSet
- Acesso a dados de alto desempenho
- API unificada
- Fácil distribuição

Arquitetura



Principais SGDB's



ORACLE®

Advantage™
Database Server



TERADATA



SYBASE®



Embarcadero Conference

Conectividade

- Bancos Locais
- Bancos Remotos
- Bancos Embarcados
- Big Data
- Data Warehouse

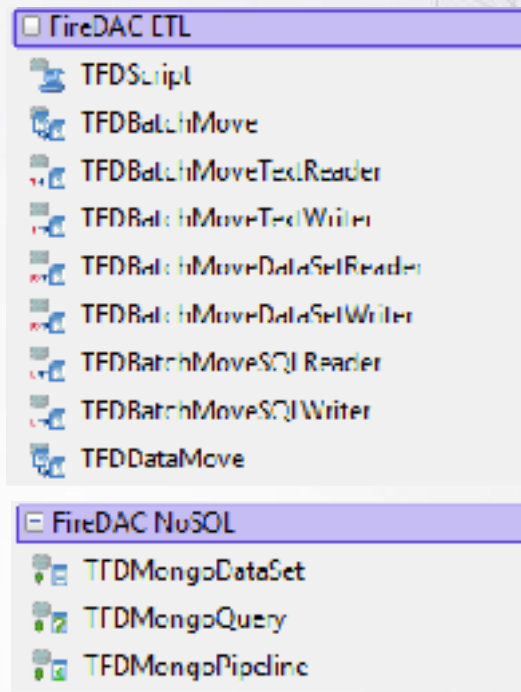
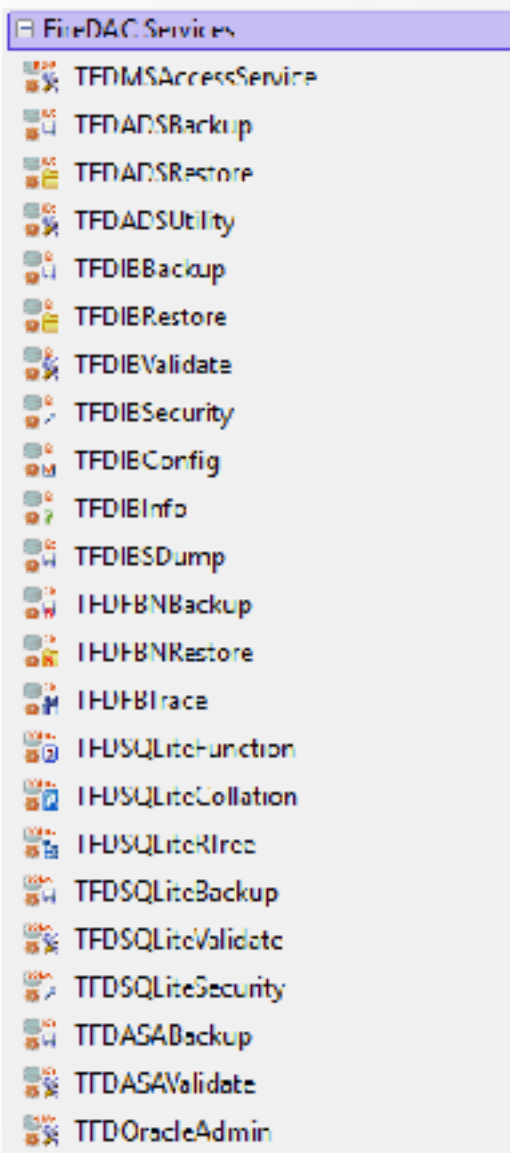
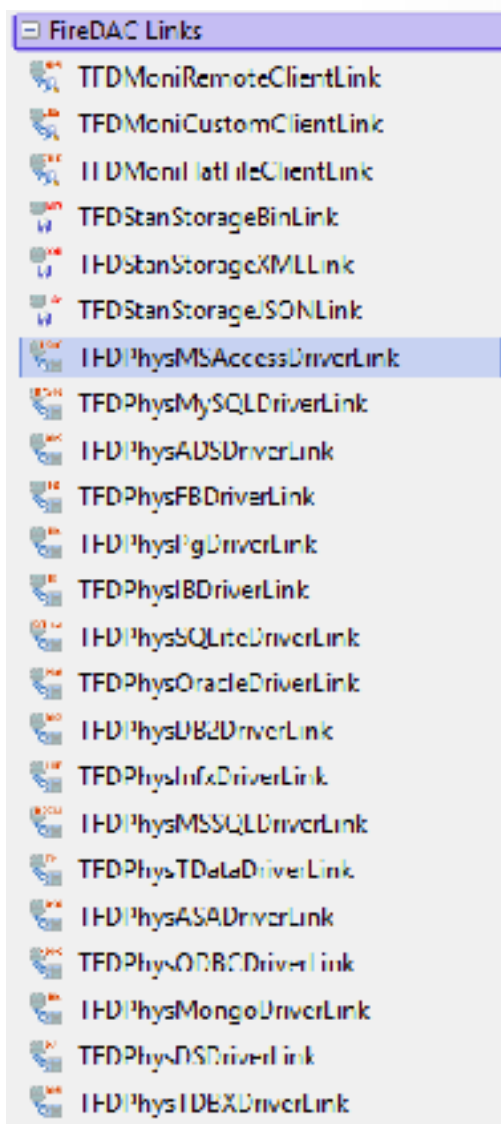
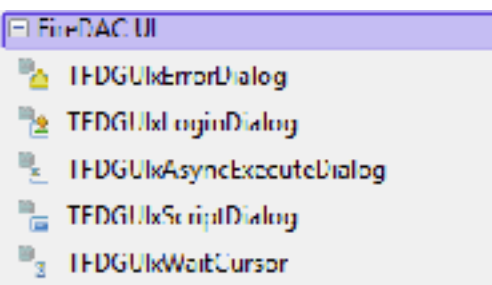
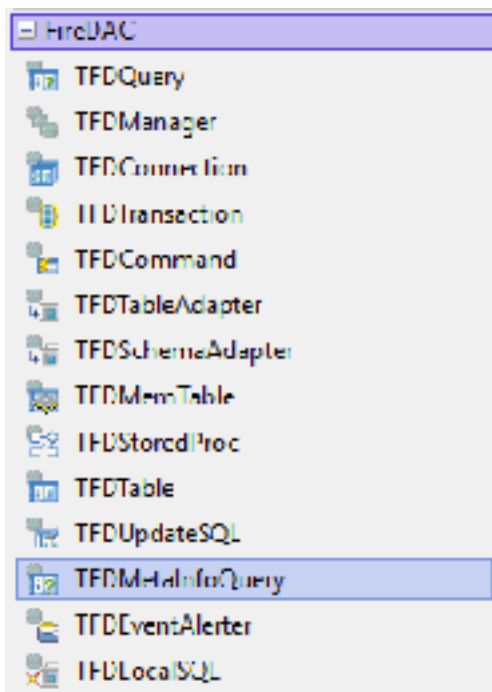
Conectividade

- Interbase
- FireBird
- PostgreSQL
- MySQL
- Access
- Advantage
- SQLite
 - IBLite, IBToGo
 - SQLite
- Oracle
- Sql Server
- DB2
- Sysbase
- Informix
- BigData
 - MongoDB
 - TeraData

Professional (Localhost ou Embutido)

Enterprise ou Professional + FireDAC Add-on Pack

Componentes



Principais Componentes

- TFDConnection - Conexão com o banco
- TFDQuery - Executa e retorna um consulta SQL
- TFDTable - Abre uma tabela do banco
- TFDStoredProc - Executa um stored procedure
- TFDTransaction - Controle de transação
- TFDMemTable - Dataset em memória

Editores

FireDAC Connection Editor - [FDConnection1]

Select driver or select connection definition name to override, then setup parameters

Definition Options Info SQL Script

Driver ID: MSSQL

Connection Definition Name:

Test Wizard Revert to Defaults Help

Parameter	Value	Default
DriverID	MSSQL	MSSQL
Pooled	False	False
Database		
User Name		
Password		
MonitorBy		
ODBCAdvanced		
LoginTimeout		
Server		
Network		
Address		
OSAuthent		
MARS	Yes	Yes
Workstation		

OK Cancel

FireDAC Query Editor - [JQuery1]

Setup query SQL, parameters, macros, and options

SQL Command Parameters Macros Options

Execute
Next RecordSet
First/SQL Filter

☐ Auto Refresh

Records Structure Messages

OK Cancel

Configurações

- Totalmente parametrizado
 - FetchOptions - Controle de requisição
 - FormatOptions - Tratamento de tipo de dados
 - ResourceOptions - Monitoramento de recursos
 - UpdateOptions - Gerenciamento dos updates


Demos

@ alan.glei@gmail.com

 @AlanGlei

 [alan.glei.5](https://www.facebook.com/alan.glei.5)

[OBRIGADO]

Embarcadero  onference

The background of the banner features a city skyline at dusk or dawn, with a body of water in the foreground. Overlaid on this is a network diagram consisting of white lines connecting various nodes. Several of these nodes are highlighted as red circles containing white icons: a central node with a gladiator's helmet, and several peripheral nodes with icons of a laptop, a smartphone, and a tablet. In the lower right, there is a red, wireframe-like structure resembling a stylized letter 'C' or a molecular model.

Embarcadero conference

embarcadero