

Apex

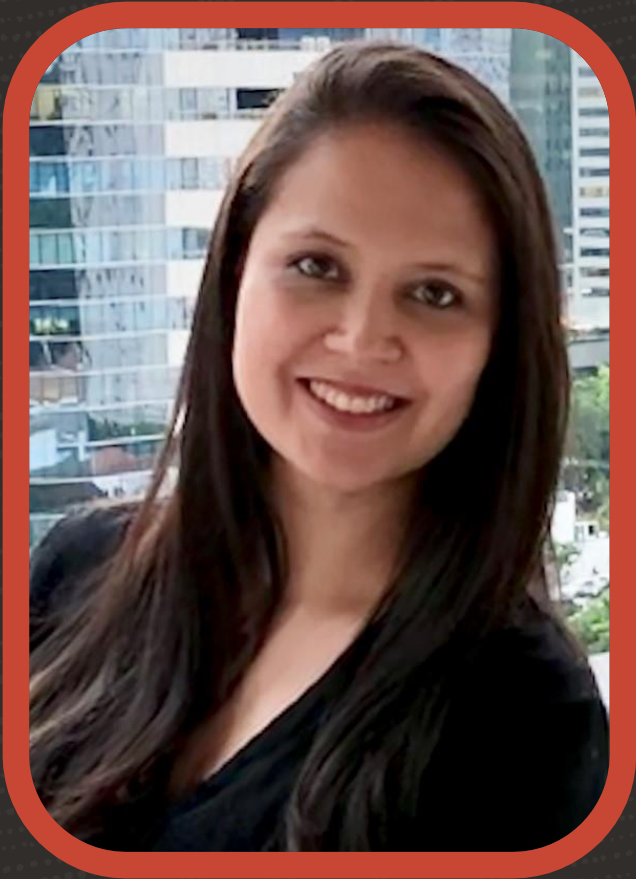
Erika Nagamine
Solution Engineer
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Safe Harbor

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\$> whoami



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Problemas de todas as organizações relacionadas ao desenvolvimento

- Requer experiencia para entregar sistemas / aplicativos
- Grande quantidade de Backlogs de aplicações
- Alterações de requisitos constantemente
- Escolha de ferramentas não adequadas para entrega de informações, como por exemplo excel para múltiplos usuários

O que é Oracle APEX?



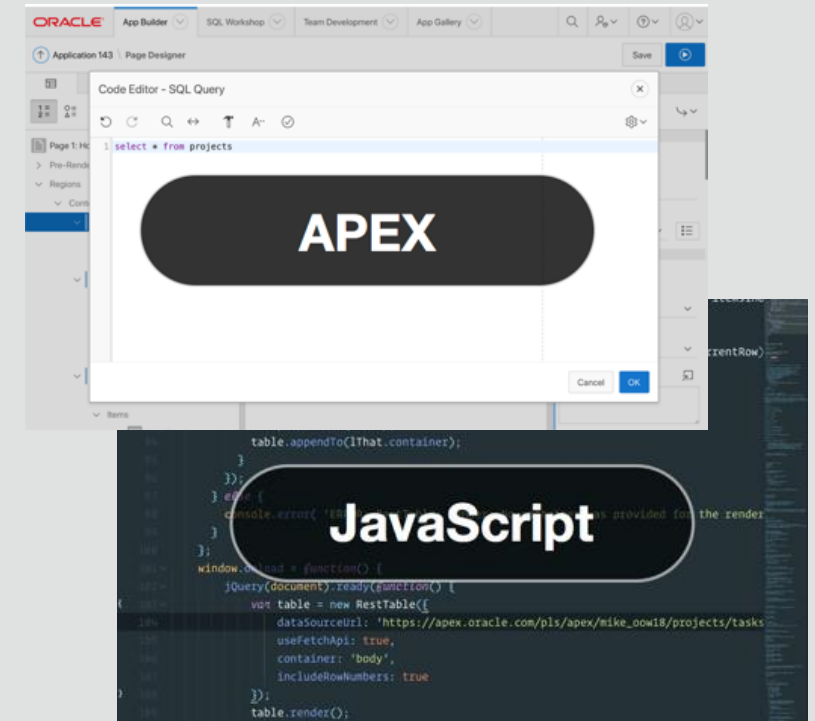
Plataforma de desenvolvimento de baixa codificação (low-code) que possibilita você a desenvolver aplicações escaláveis e seguras compatíveis com os padrões de mercado.



ā'pěks
(#orclapex)

Oracle APEX

- Fácil aprendizado e de iniciar um projeto
- Amigável com SQL e REST
- Construído para ser responsivo e Para aplicativos moveis
- Grátis com qualquer Oracle database
- Parte do serviço Always Free da Oracle Cloud



20x mais rápido com
100x menos código

Compromisso - Low Code

- Entregas Rápidas
- Qualidade superior e consistência
- Fácil Aprendizado
- Menos Código
- Mais confiável
- Flexível

Oracle APEX

Framework de desenvolvimento de aplicações Low Code



Desenvolvimento
desktop e mobile via
web

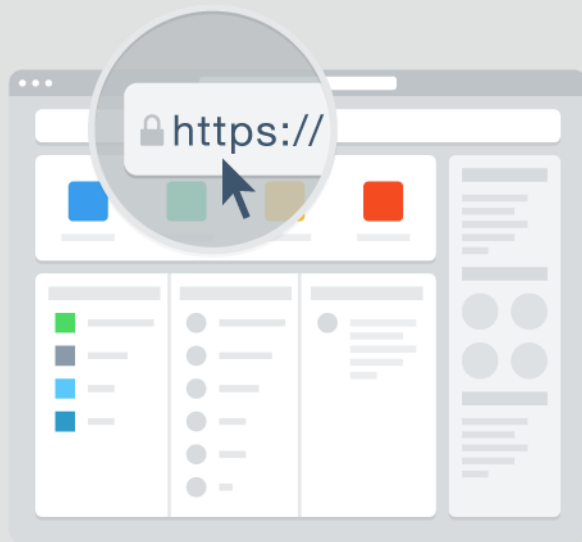


Visualize e mantenha
dados



Possibilita
conhecimentos de
SQL e de banco de
dados

Características distintas do Apex



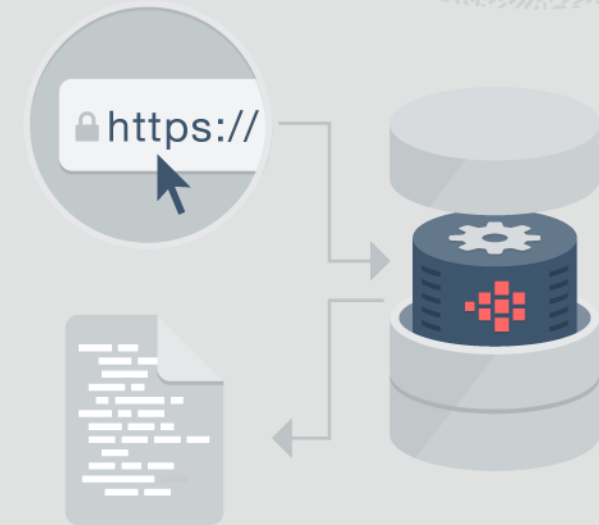
IDE de desenvolvimento de aplicação é o navegador

Não requer instalação de client



Definições de código são armazenadas como metadados no Banco de dados

Declarativa – não há necessidade de compilação

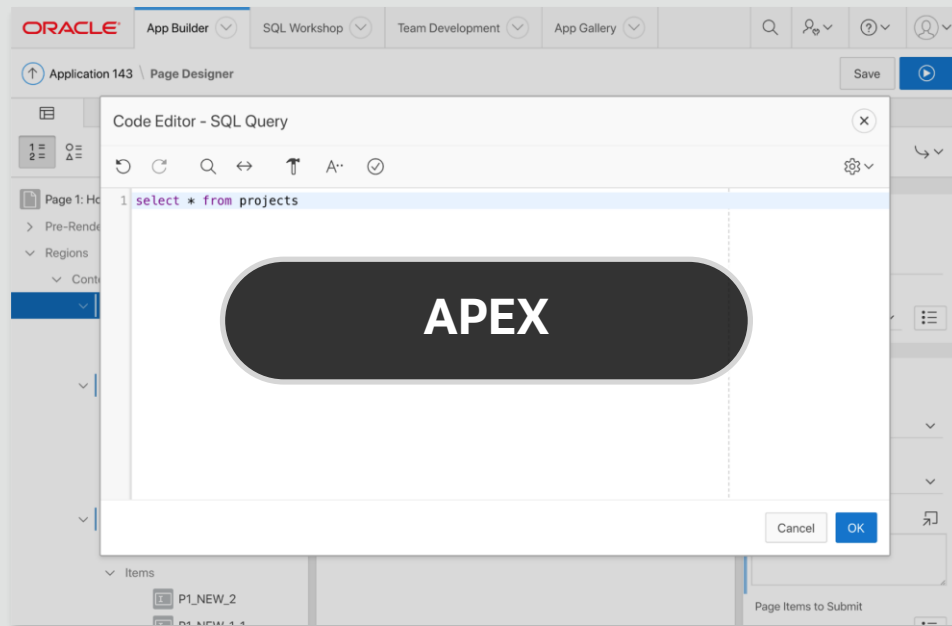


Execução Eficiente com uma única requisição e única resposta

Latencia 0 para acessar dados

Produtividade versus codificação manual

Low Code



VS

Múltiplas linhas de código



Oracle APEX é 20x mais rápido com 100x menos código



O que o Apex pode fazer por você?



- User Interface
- Data Access
- Globalization
- Security
- Globalization
- Performance



Exemplo de Código manual usando tabela

The screenshot shows a code editor on the left and a browser on the right. The code editor displays the following JavaScript code:

```
1 import React from 'react'
2 import styled from 'styled-components'
3 import {
4   useTable,
5   usePagination,
6   useSortBy,
7   useFilters,
8   useGroupBy,
9   useExpanded,
10  useRowSelect,
11 } from 'react-table'
12 import matchSorter from 'match-sorter'
13
14 import makeData from './makeData'
15
16 const Styles = styled.div`
17   padding: 1rem;
18
19   table {
20     border-spacing: 0;
21     border: 1px solid black;
22
23     tr {
24       :last-child {
25         td {
26           border-bottom: 0;
27         }
28       }
29     }
30   }
31 `
```

The browser shows a table with the following data:

	Name			
	🔍 First Name <input type="text" value="Search 10000 record:"/>	🔍 Last Name <input type="text" value="Search 10000 record:"/>	🔍 Age <input type="range" value="9"/> Off	🔍 Visits Min (0) to Max (99)
<input type="checkbox"/>	pull	balls	9	85
<input type="checkbox"/>	soap	bed	26	28
<input type="checkbox"/>	disk	button	1	16
<input type="checkbox"/>	satisfaction	game	26	34
<input type="checkbox"/>	fowl	two	10	56
<input type="checkbox"/>	bulb	way	26	77
<input type="checkbox"/>	winter	storage	8	65
<input type="checkbox"/>	buyer	chemistry	14	37
<input type="checkbox"/>	student	chapter	23	72
<input type="checkbox"/>	guest	action	14	7

Below the table, there is a pagination control showing "Page 1 of 1000" and a "Go to page:" input field. A "Show 10" dropdown is also visible. At the bottom of the browser window, a JSON object is displayed:

```
{
  "pageIndex": 0,
  "pageSize": 10,
  "totalRecords": 1000
}
```



Exemplo de um componente declarativo - Interactive Grid

Group Tasks

Group Tasks

Search: All Text Columns Go Actions Edit Save Add Row Reset

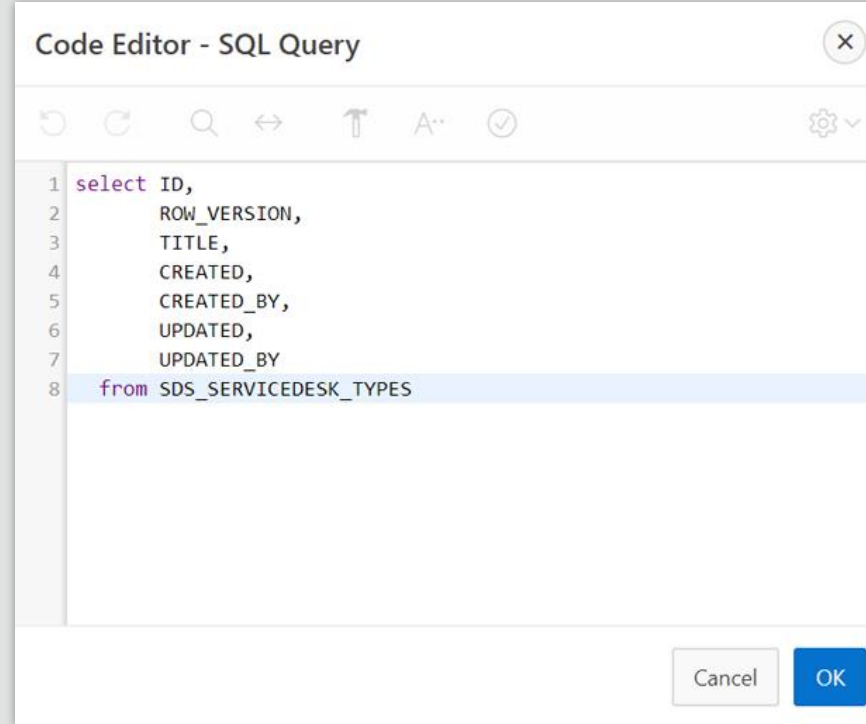
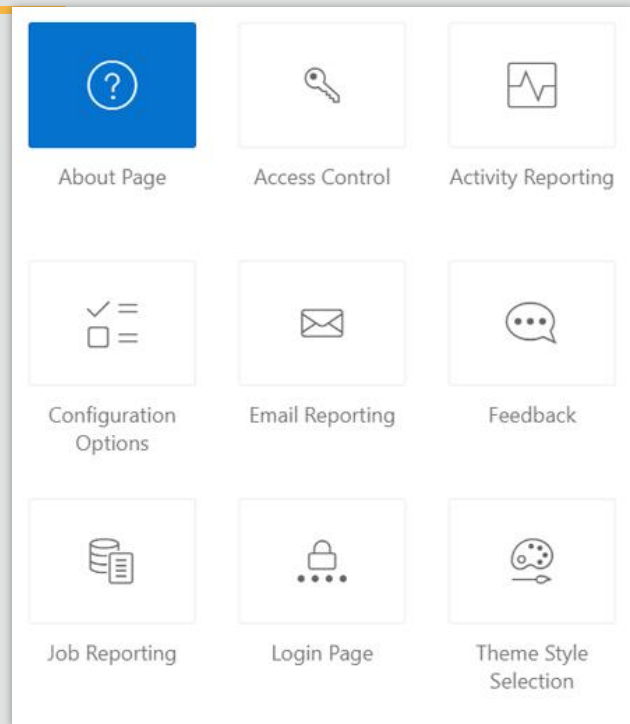
Project	Start Date	End Date	Status	Assigned To	Cost	Budget
<input checked="" type="checkbox"/> APEX Environment Configuration	10/17/2018	10/18/2018	Closed	John Watson	100	200
<input type="checkbox"/> Maintain Support Systems		12/14/2018	On-Hold	Pam King	8,000	7,000
<input type="checkbox"/> Maintain Support Systems		12/18/2018	On-Hold	Russ Sanders	9,500	7,000
<input type="checkbox"/> APEX Environment Configuration		10/18/2018	Closed	James Cassidy	100	100
<input type="checkbox"/> APEX Environment Configuration		10/21/2018	Closed	John Watson	200	300
<input type="checkbox"/> APEX Environment Configuration		10/24/2018	Closed	James Cassidy	200	600
<input type="checkbox"/> Email Integration	10/24/2018	12/1/2018	Closed	Mark Nile	3,000	1,500
<input type="checkbox"/> APEX Environment Configuration	10/26/2018	10/26/2018	Closed	John Watson	200	100
<input type="checkbox"/> APEX Environment Configuration	10/26/2018	10/26/2018	Closed	John Watson	100	100
<input type="checkbox"/> APEX Environment Configuration	10/27/2018	10/27/2018	Closed	James Cassidy	100	100
<input type="checkbox"/> Bug Tracker	10/31/2018	10/31/2018	Closed	Myra Sutcliff	100	100
<input type="checkbox"/> Bug Tracker	11/1/2018	12/2/2018	On-Hold	Myra Sutcliff	2,750	1,500
<input type="checkbox"/> Train Developers in APEX	11/13/2018	1/21/2019	On-Hold	John Watson	1,000	2,000
<input type="checkbox"/> Train Developers in APEX	11/16/2018	11/16/2018	Closed	John Watson	100	100
<input type="checkbox"/> Train Developers in APEX	11/16/2018	11/23/2018	Closed	James Cassidy	500	700
<input type="checkbox"/> Load Packaged Applications	11/18/2018	11/20/2018	Closed	John Watson	200	300

1 rows selected Total 73

Columns Filter Data Sort Aggregate Refresh Flashback Report Download Help



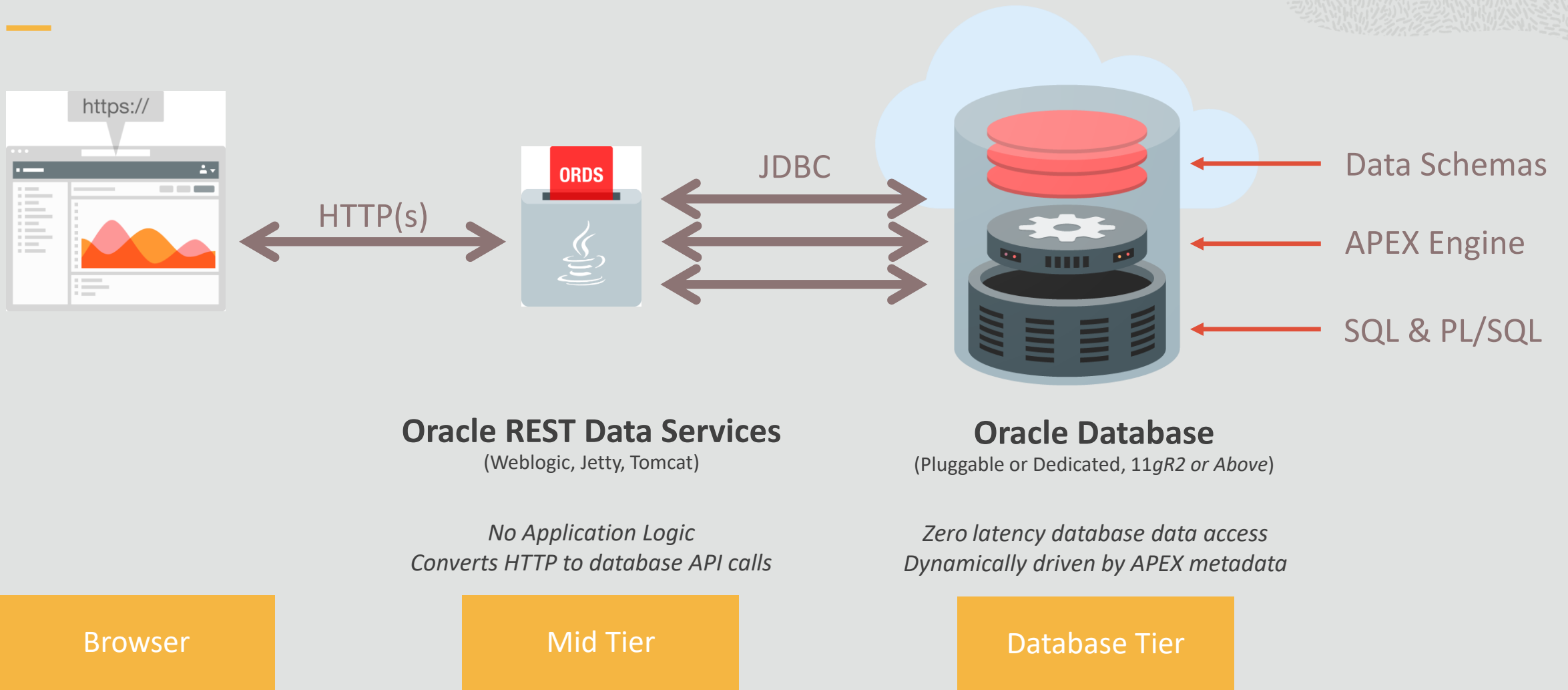
Oracle APEX - Unconstrained!



Oracle APEX expande o desenvolvimento de aplicações na perspectiva do desenvolvedor, do “No Code” para o “Low Code”



APEX - Arquitetura



Oracle REST Data Services

(Weblogic, Jetty, Tomcat)

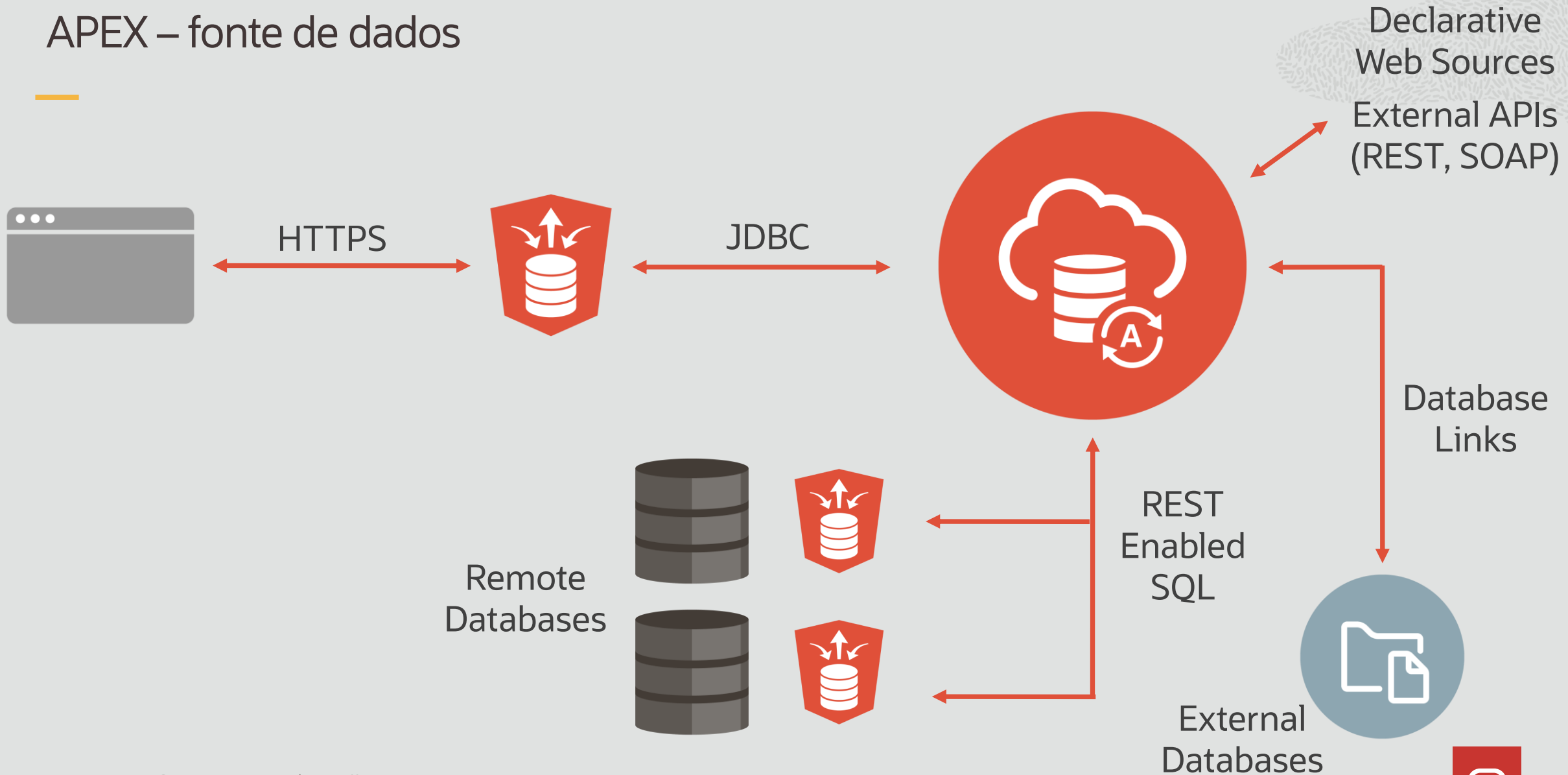
*No Application Logic
Converts HTTP to database API calls*

Oracle Database

(Pluggable or Dedicated, 11gR2 or Above)

*Zero latency database data access
Dynamically driven by APEX metadata*

APEX – fonte de dados



Oracle APEX

APEX incluído em qualquer versão do oracle database

- Feature sem custo, suportada por qualquer versão do Oracle Database.
- Não tem limite para times de desenvolvimento, Aplicações, usuários finais
- Disponível como Database Cloud Services
- Executa em on-premises, Oracle Cloud, outras clouds



Avaliação grátis / Prototipação

apex.oracle.com



**Oracle
APEX**



**Oracle
Autonomous
Database**

**Incluído no serviço Always Free e também no
programa Oracle Academy**

Obrigada!



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