

ORACLE

Oracle低代码解决方案

低代码流程平台快速帮助客户构建云上应用

2022 朱明尧

售前技术顾问

日程

- Oracle低代码/无代码平台介绍
- Oracle流程云平台介绍
- Oracle APEX流程接入



低代码应用开发

“你获得程序生产力的方法不是通过增加每个程序员每天的代码量。这是行不通的。
你获得生产力的方法是减少你要编程的代码量。”

而且要编写速度最快、永不宕机、不需要维护代码

Steve Jobs
WWDC '97

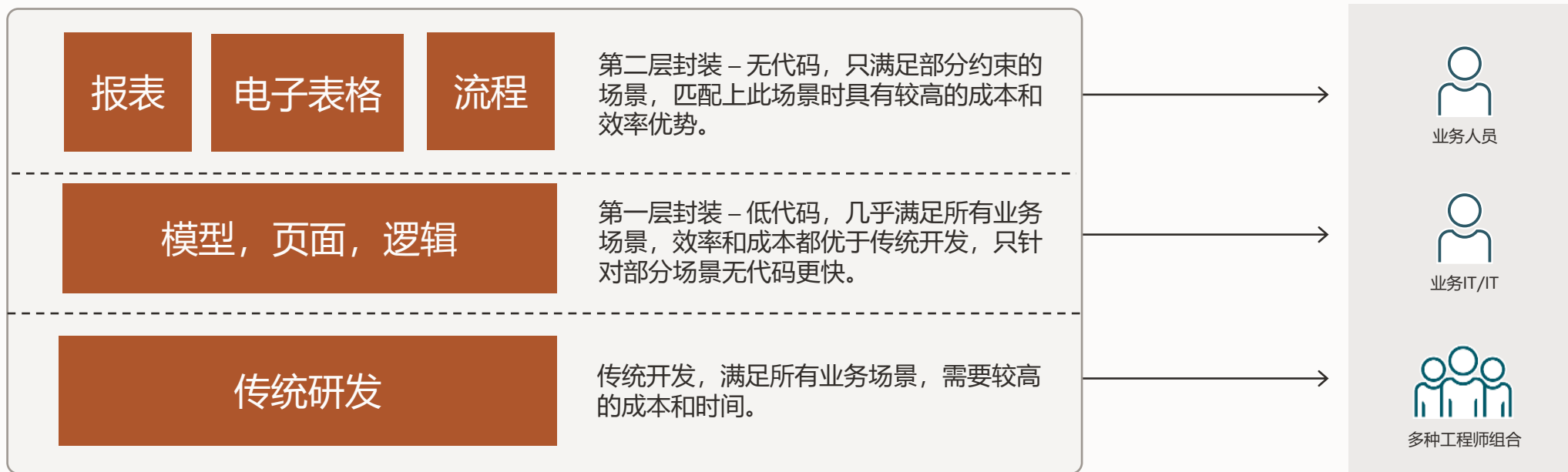
<https://www.youtube.com/watch?v=3LEXae1j6EY#t=41m26s>



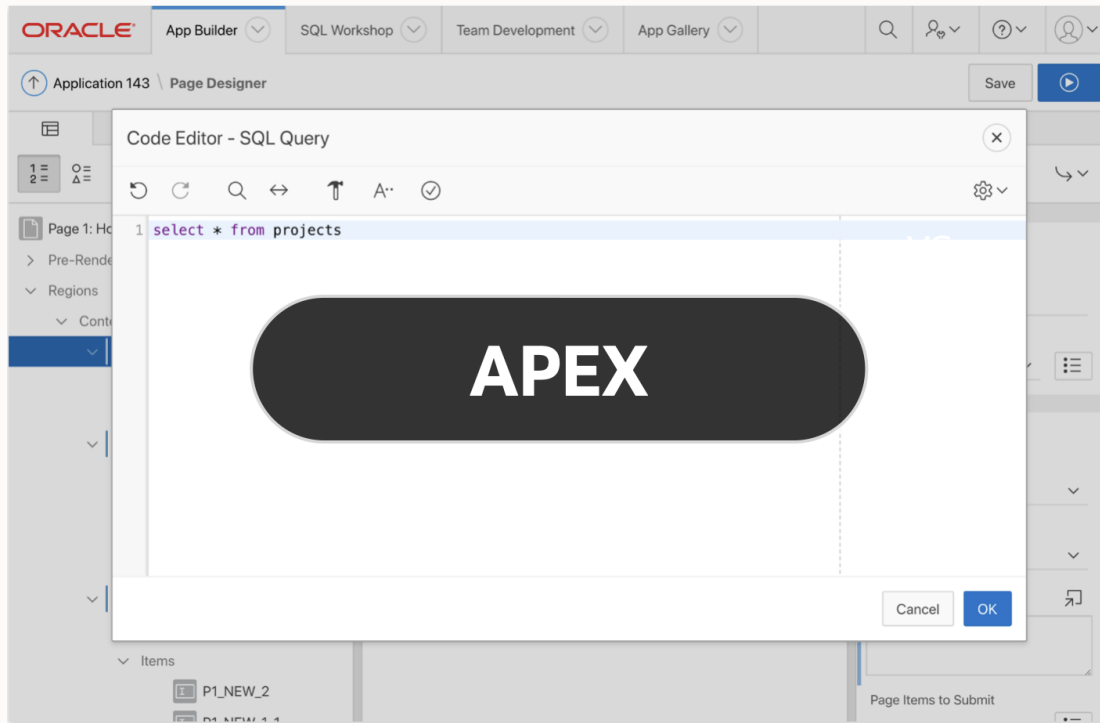
Oracle低代码/无代码平台介绍 What: apex.oracle.com

1. 什么是低代码

2. 新一代数据驱动的低代码平台



Oracle APEX 您可以**100**倍减少你的代码量， 快**20**倍的速度来构建企业应用程序



Home \

Races

Reset Calendar

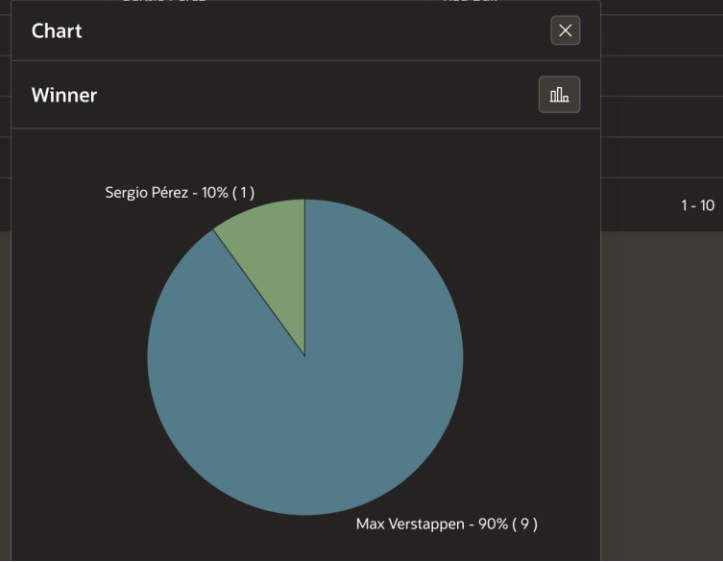
Search... Go

Count 10

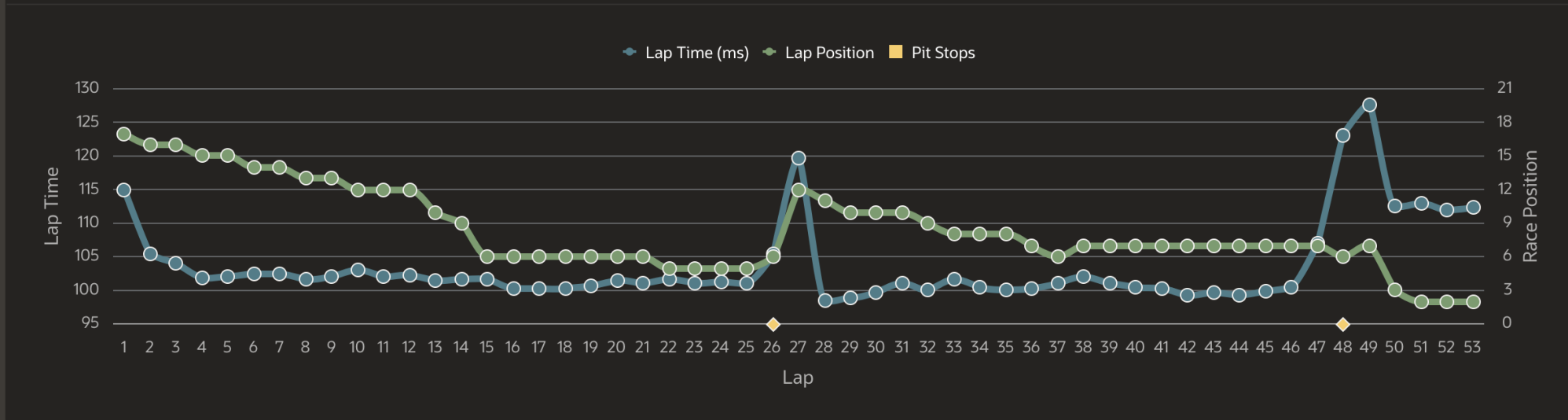
Winning Team Red Bull X Decade 2020 X Clear All

- Winner
 - Max Verstappen (9)
 - Sergio Pérez (1)
- Winning Team
 - Mercedes (18)
 - Red Bull (10)
 - AlphaTauri (1)
 - Alpine F1 Team (1)
 - McLaren (1)
 - Racing Point (1)
- Decade
 - 2000 (6)
 - 2010 (56)
 - 2020 (10)
- Year
 - 2021 (8)
 - 2020 (2)
- Race
 - 70th Anniversary Grand Prix (1)
 - Abu Dhabi Grand Prix (1)
 - Austrian Grand Prix (1)
 - Azerbaijan Grand Prix (1)

Race	Date	Year	Country	Winner	Winning Team
Dutch Grand Prix	05-SEP-2021	2021	Netherlands	Max Verstappen	Red Bull
Belgian Grand Prix	29-AUG-2021	2021	Belgium	Max Verstappen	Red Bull
Austrian Grand Prix	04-JUL-2021	2021	Austria	Max Verstappen	Red Bull
Styrian Grand Prix	27-JUN-2021	2021	Austria	Max Verstappen	Red Bull
French Grand Prix	20-JUN-2021	2021	France	Max Verstappen	Red Bull
Azerbaijan Grand Prix	06-JUN-2021	2021	Azerbaijan	Sergio Pérez	Red Bull
Monaco Grand Prix	23-MAY-2021	2021	Monaco		
Emilia Romagna Grand Prix	18-APR-2021	2021	Italy		
Abu Dhabi Grand Prix	13-DEC-2020	2020	UAE		
70th Anniversary Grand Prix	09-AUG-2020	2020	UK		



Lap Times and Positions



```
Code Editor - SQL Query
1  select
2    lap,
3    MILLISECONDS,
4    MILLISECONDS/1000 seconds,
5    position,
6    (select 0 pitted
7     from F1_PIT_STOPS p
8     where p.lap = lt.lap
9           and p.raceid = lt.raceid
10          and p.driverid=lt.driverid) pitted
11 from F1_LAP_TIMES lt
12 where driverid = :P10_DRIVERID and
13        raceid = :P10_RACEID
14 order by 1

Cancel OK
```



APEX

低代码平台



Oracle APEX



Oracle REST 数据服务

编程语言和框架



.NET



php



Perl

实现任务关键型应用程序的开发和部署



Oracle 数据库



Oracle 流程云平台介绍

What : <https://www.oracle.com/integration>

用于自动化端到端业务流程的预构建应用引擎开发平台



聊天机器人



Blockchain



IoT



增强分析

零人工

零人工失误

零数据丢失



接口管理



设计

控制

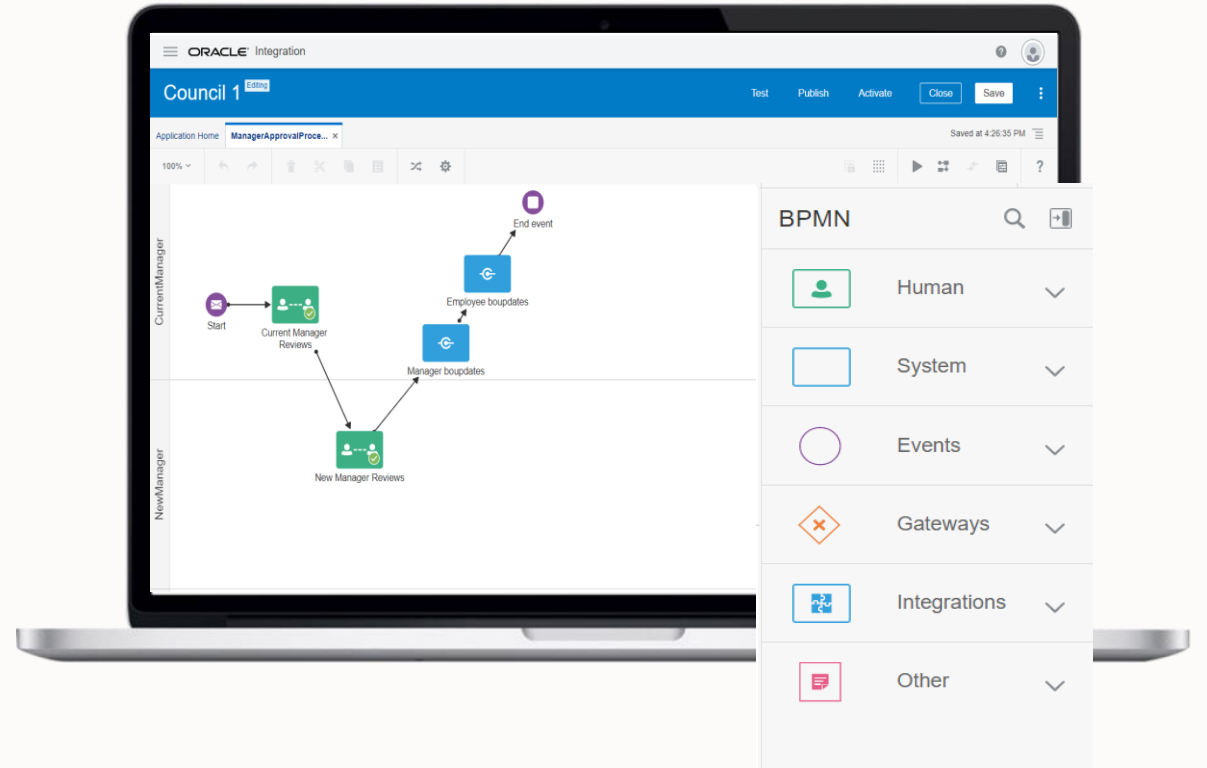
管理



跨部门数字化工作流程的自动化

享有端到端流程模板

- 设计规则和移动适配表单的可视化设计器
- 预先构建的应用程序集成
- 分析 workflow 数据以优化
- 协调人工、机器人和聊天机器人的行动



企业集成适配器

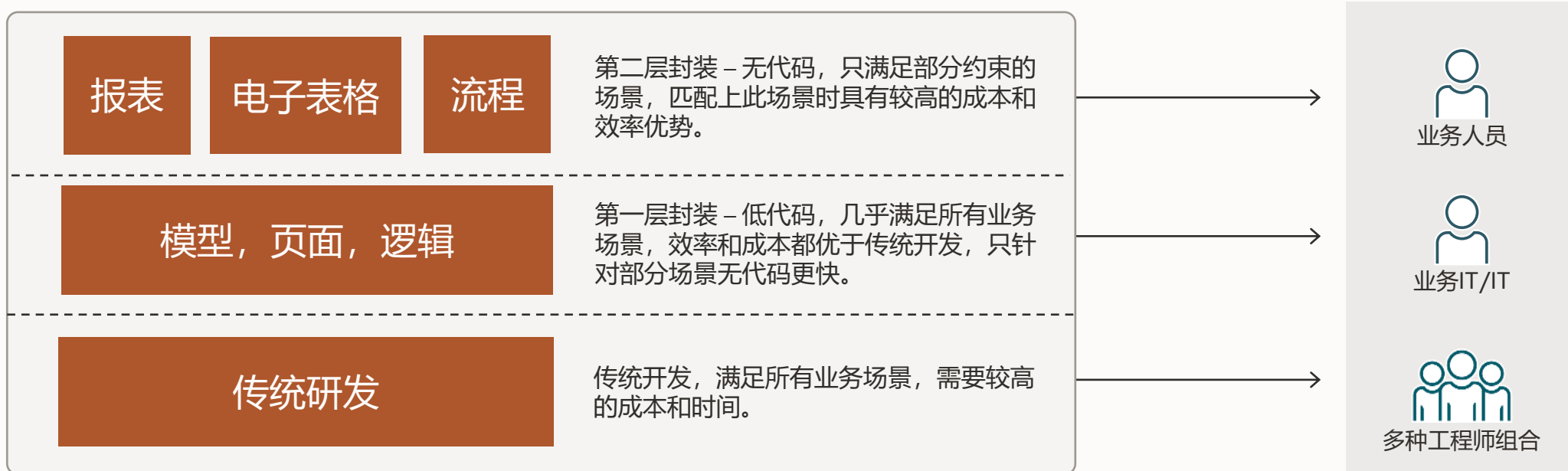
针对云、内部部署、Oracle、非Oracle和自定义应用程序的预构建适配器

<h3>ERP 连接</h3>	<h3>HCM 连接</h3>	<h3>生产和社交媒体连接</h3>
<h3>CX 连接</h3>	<h3>Database 连接</h3>	
<h3>Enterprise Messaging</h3>	<h3>Technology Connectivity</h3>	
<h3>Future Proof</h3> <p>Limit maintenance and upgrade costs Oracle supported</p>		

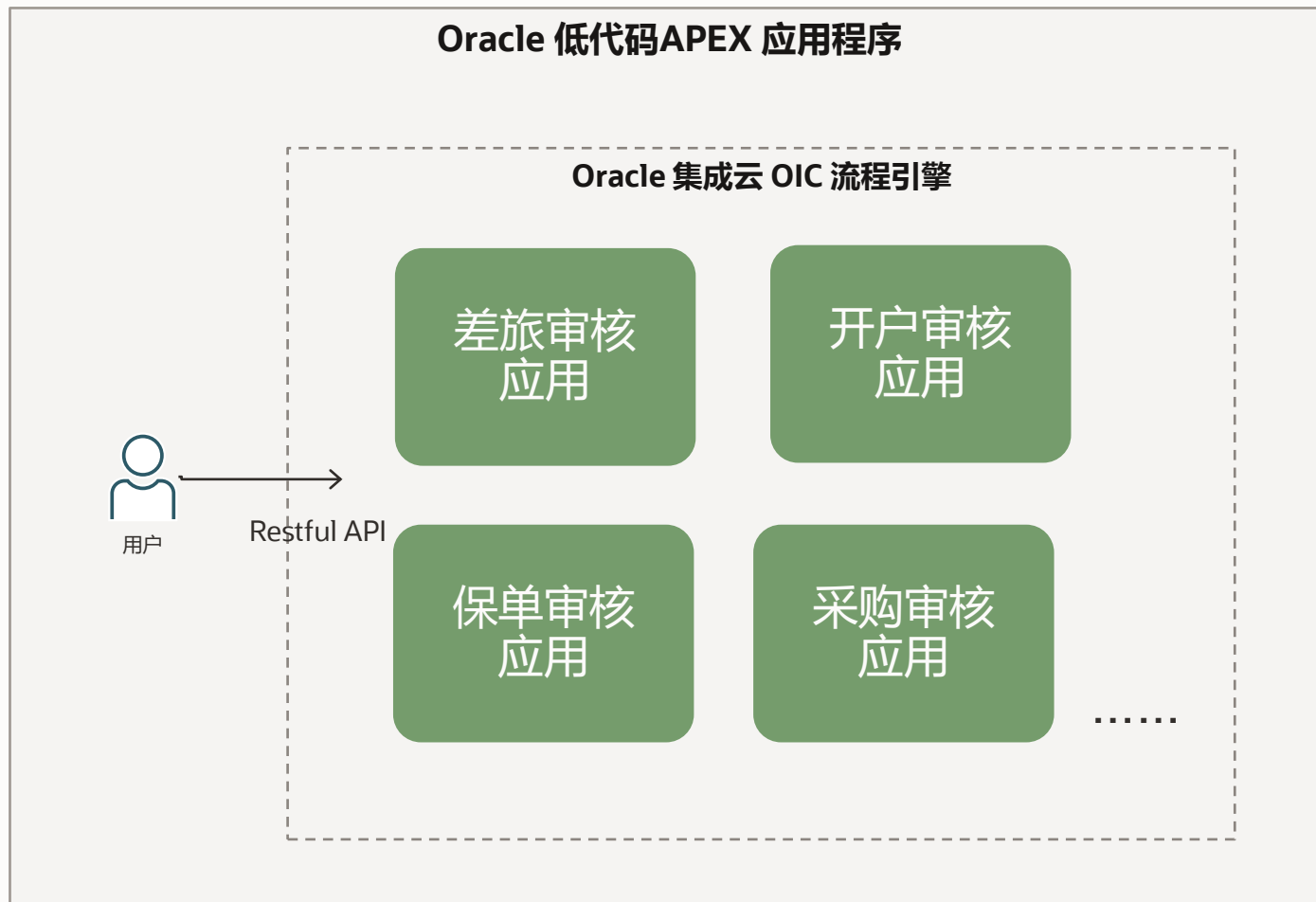
For more detailed information see [here](#)



回顾低代码/无代码



集成案例



架构实现流程低代码平台所有能力
Oracle iPaas的解决方案之一

优势:

1.此解决方案可以通过一次性开发，在APEX应用中建立好指定流程，方便流程变更，业务人员可改。

2.通过低代码可嵌入多种流程

3.通过单点登录，统一登陆方式，统一API调用机制OAuth2，轻松安全访问所有Oracle云平台产品



OIC API

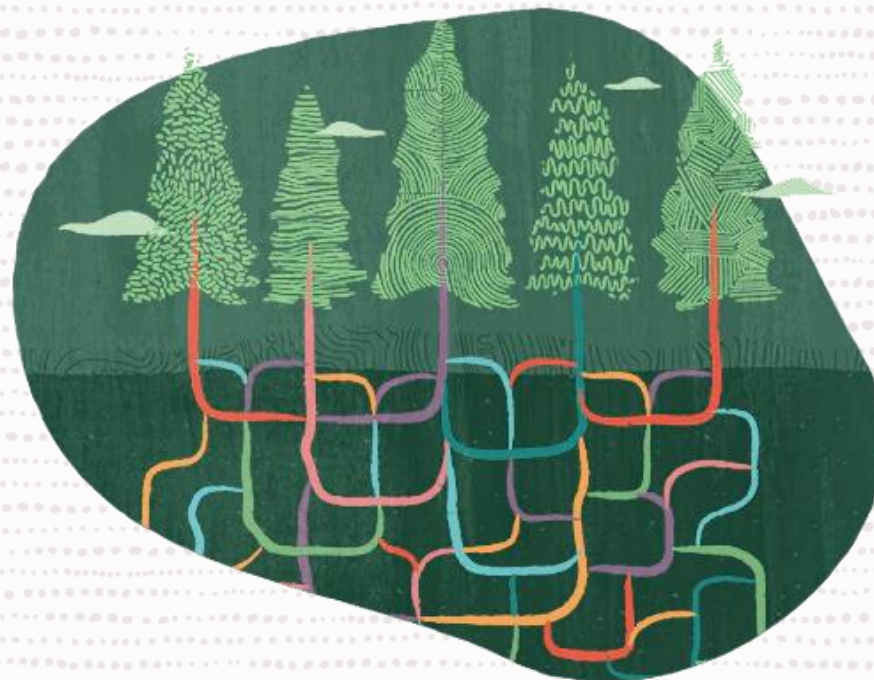
<https://docs.oracle.com/en/cloud/paas/integration-cloud/rest-api/op-ic-api-process-v1-tasks-views-viewname-get.html>

The screenshot shows a REST client interface with a sidebar on the left containing a search bar and a list of collections. The main area displays a GET request to the endpoint `{{server}}/ic/api/process/v1/tasks`. The response status is 200 OK, with a time of 2173 ms and a size of 8.31 KB. The response body is shown in JSON format, with the following structure:

```
1 {
2   "totalResults": 7,
3   "count": 7,
4   "hasMore": false,
5   "items": [
6     {
7       "title": "CustomerCreationApp",
8       "number": 200058,
9       "id": "be27480f-7501-46e8-8972-6272b576e02b",
10      "createdBy": "Mile Zhu",
11      "fromUserDisplayName": "Mile Zhu",
12      "fromUserName": "mingyao.zhu@oracle.com",
13      "priority": 3,
14      "ownerRole": "CustomerCreationApp.Process Owner",
15      "status": "ASSIGNED",
16      "state": "ASSIGNED",
17      "assignedDate": "2021-11-11T05:59:31.000Z",
18      "createdDate": "2021-11-11T05:59:31.000Z",
19      "updatedById": "mingyao.zhu@oracle.com",
20      "updatedAt": "2021-11-11T05:59:31.000Z",
21      "hasSubTasksFlag": false,
22      "processName": "CustomerCreationProcess",
23      "processId": "20024",
24      "processDefId": "oracleinternalpcs~CustomerCreationApp!4.0~CustomerCreationProcess",
25      "processInstanceDetail": {
26        "length": 0,
27        "rel": "processInstanceDetail"
28      }
29    }
30  ]
31 }
```



Demo演示



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