

GLOC Maze Runner

at the Oracle Conference

The Cure for APEX Confusion



MAY 15 & 16, 2019

CLEVELAND PUBLIC AUDITORIUM, CLEVELAND

WWW.NEOOUG.ORG/GLOC

Maze Runner

The Cure for APEX Confusion

Jackie Mcilroy

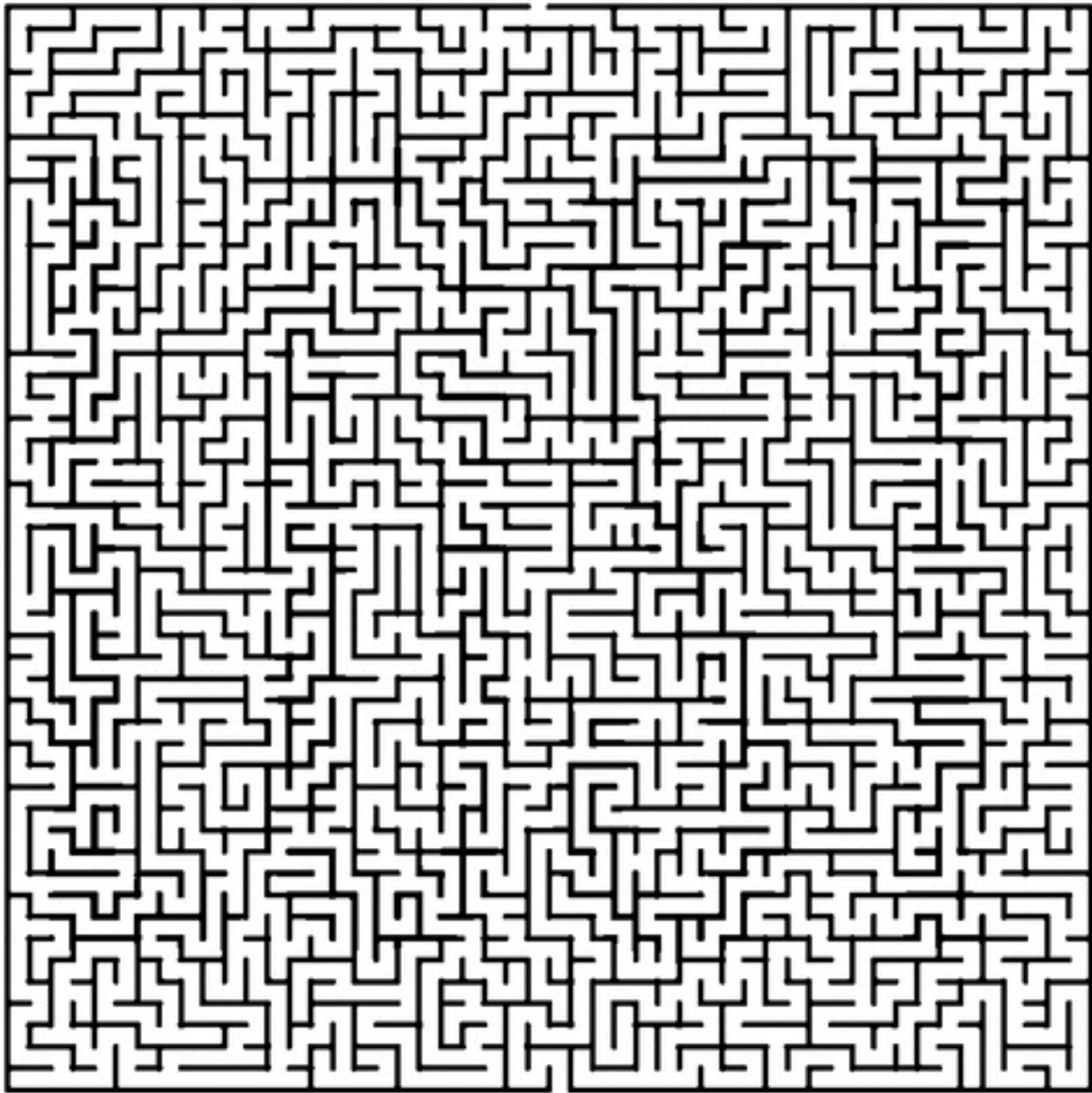
APEX R&D

 @McilroyJackie

Jorge Rimblas 

Insum

 @rimblas



Objective



USS Constitution

(Jorge's boat)



Jackie's Boat :)



Same block of wood
What's the difference?

Learning

apex.oracle.com

apex.oracle.com

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Getting Started

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Books and Articles

Videos

Additional Resources

apex.oracle.com/education



Oracle APEX
Education

Instructor-Led Courses

Oracle University offers a number of courses on Application Express:

- [Oracle Application Express: Workshop I](#)
- [Oracle Application Express: Workshop II](#)
- [Oracle Application Express: Administration](#)
- For custom courses and on-site options contact [Oracle University Global Sales Contacts](#)

Numerous [APEX Consulting Companies](#) also provide training online, on-premise, or at their facilities.

[Oracle Learning Library](#) provides many Oracle by Examples (OBEs), Demos, Articles, etc for Application Express.

[Oracle by Examples](#) - OBEs provide prerequisite files and step-by-step instructions with screen shots that walk you through building various application components.

Other Education Resources

- [Oracle Application Express Curriculum](#)
- [Hands-On Labs](#)



apex.oracle.com/hols

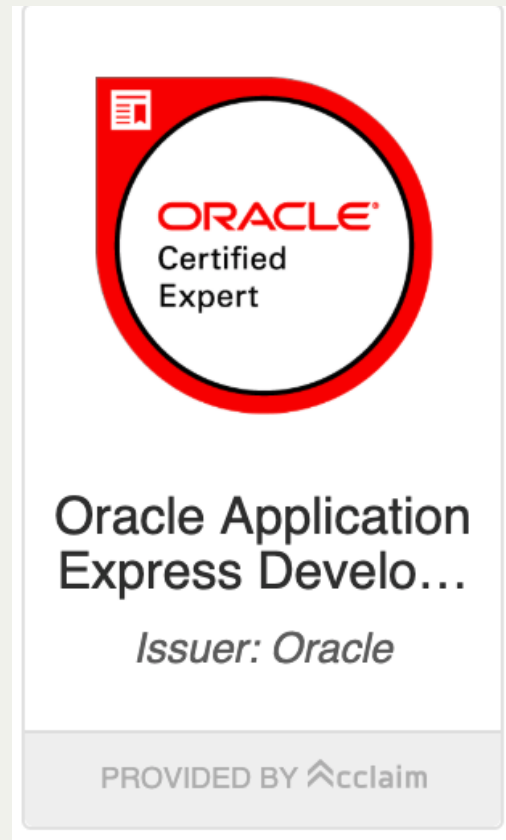
review....

apex.oracle.com/education

Curriculum with permissive-use license

APEX Certification

apex.oracle.com/certification



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asktom.oracle.com/pls/apex/f?p=100:508

Conferences (CfP)

clocwise.org

<https://smart4apex-smart4apex.db.em2.oraclecloudapps.com/apex/f?p=201:100>

Learning

**Do you want your
own local
environment?**

VM

Or

Containers

[virtualbox.org](https://www.virtualbox.org)



Pre-Built Developer VM



docker

Instructions

Docker Setup

github.com/martindsouza/docker-oracle-setup

Download Software

- DB Image
- APEX
- ORDS

Benefits

One Oracle DB

Multiple APEX Versions!

Oracle PDBs for

APEX 5.0

APEX 5.1.4

APEX 18.2

etc...



docker

Answers

Twitter



#orclapex

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Not interested?



Connor McDonald
@connor_mc_d

🍸 🍰

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bit.ly/2Dd6YvX #oracle #twitter



Not interested in Twitter? That's a problem!
Twitter is not a popular platform in some parts of the world. But that does not mean you should not be using it to grow your IT career. blog: <https://connor-...>
youtube.com

2:01 PM - 14 Apr 2019

youtu.be/n3GMYjhMBGs

News
Announcement
Questions
Bug Reports
Entertainment

News & Announcements

APEX 19.2 ?



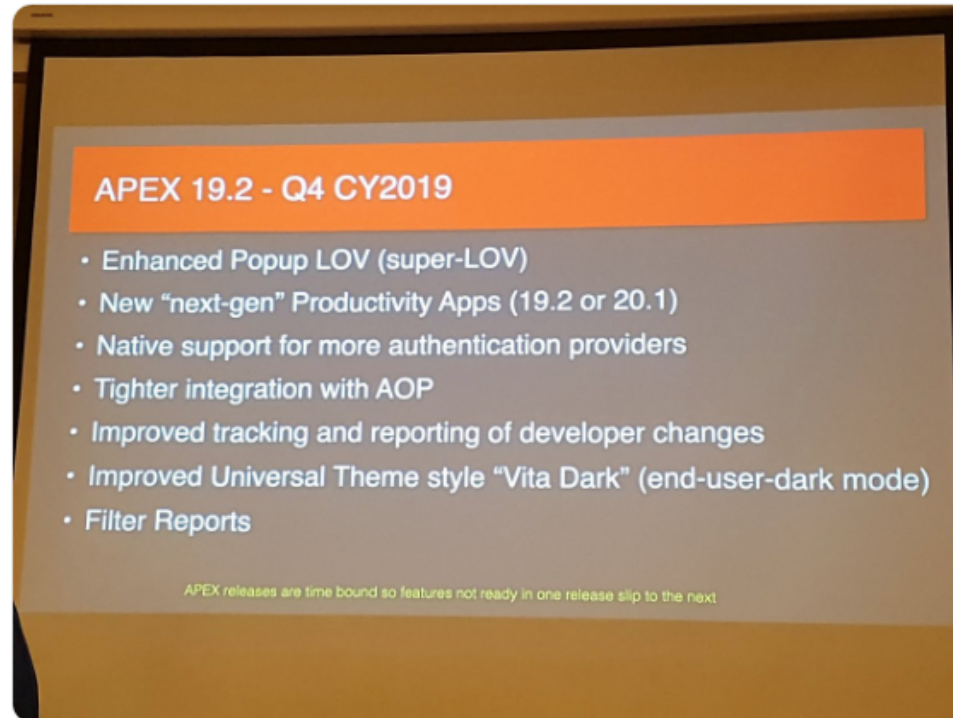
MarjanEfremov

@_MarjanEfremov_

Follow



#orclapex team working hard on new features for the next release. Inside info from @mikehichwa1 #aaapeks19 🙌 #MOCA



2:28 AM - 12 Apr 2019

Beyond APEX 19.2 ?



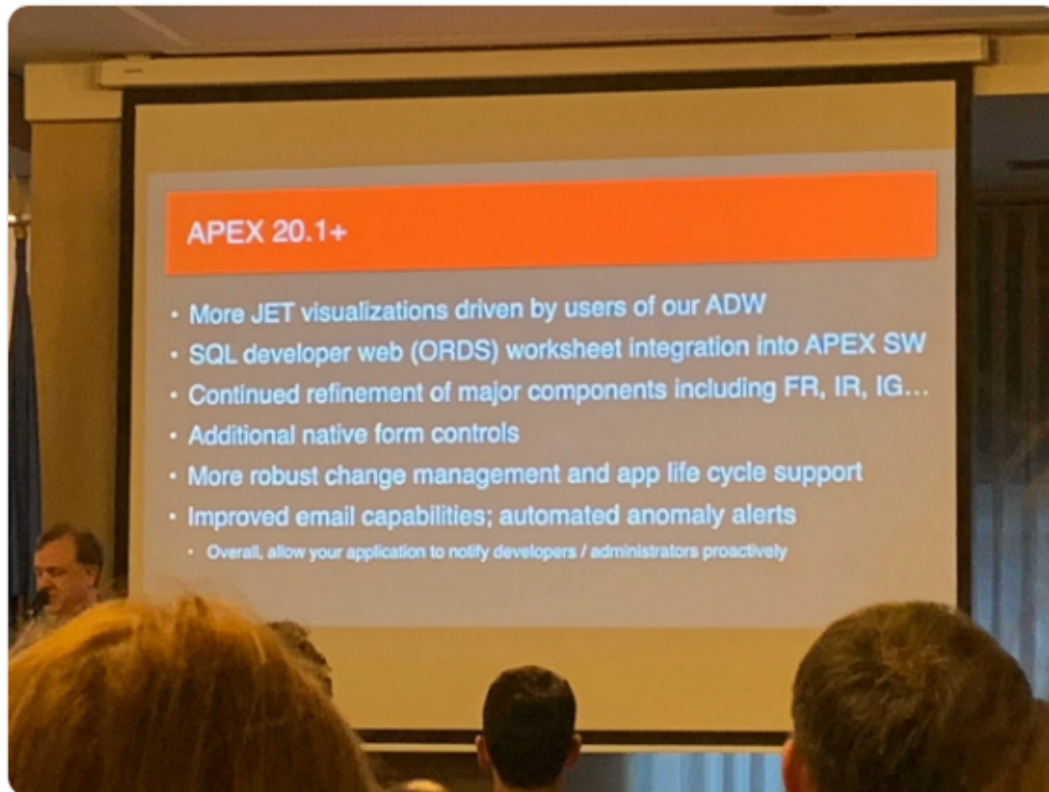
Niels de Bruijn

@nielsdb

Following



Beyond 19.2. [#orclapex](#) [#aaapeks19](#)



2:31 AM - 12 Apr 2019

#aaapeks19 Collage here?

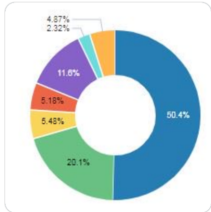
Questions



Keegan Walker
@keeganwalker_

Following

How can I display the value of the donut chart slices (i.e.: in dollars) instead of the percentage as the label? I assume it's an attribute I'm missing? [#orclapex](#) [#oracleJET](#)



10:06 AM - 28 Feb 2019

2 Retweets 2 Likes



5 2 2



Tweet your reply



Keegan Walker @keeganwalker_ · Feb 28
Thanks Elizabeth! @egarcia2004

1



Elizabeth Garcia @egarcia2004 · Feb 28

Replying to @keeganwalker_

Apologies for the horrible formatting! Character limitations :(

1 2



Elizabeth Garcia @egarcia2004 · Feb 28

Replying to @keeganwalker_

One last reply, this solution was based on [@tobias_arnhold apex-at-work.com/2017/05/jet-pi...](#)

2



Elizabeth Garcia @egarcia2004 · Feb 28

Replying to @keeganwalker_

I had a similar issue to display the actual count instead of the percentage. In attributes of the chart, Advanced section, define JavaScript Initialization Code. I'm sure you can modify to display a dollar amount.

1



Elizabeth Garcia @egarcia2004 · Feb 28

Replying to @keeganwalker_

```
function( options ){ this.donutSliceLabel = function( dataContext ){var value_ger; value_ger = dataContext.value.toLocaleString('de-DE', {minimumFractionDigits: 0}); return value_ger;} options.dataLabel = donutSliceLabel; return options; }
```

1 2



Jens Kaschuba @JKaschuba · Apr 24

Migration from APEX 18.2 to APEX 19.1: Update of Universaltheme in Shared Components worked well. But I don't see any changes in the app. E.g. the side.nav.menu looks the same as in 18.2? Any ideas? [#orclapex](#) @shakeeb

1 2



Shakeeb Rahman @shakeeb · Apr 24

When you refresh UT for existing apps, the side navigation menu retains the original styles. You must go to UI Attributes and set the template option there!

We did this to reduce disruption when refreshing themes for existing apps. New apps will get the new styles by default.

1 3 9



Jens Kaschuba @JKaschuba · Apr 24

Thx. Which option?

1



Shakeeb Rahman

@shakeeb

Following

Replying to @JKaschuba

The "Style" template option can be used to apply different styles to your app's Navigation Menu.

To change, go to Shared Components > User Interface Attributes > Edit Desktop > Navigation Menu

[#orclapex](#)

Bug Reports



Peter Raganitsch @PeterRaganitsch · Mar 30

Anyone else encountered a `ERR_SPDY_PROTOCOL_ERROR` in chrome when running `#orclapex` 19.1 on AJAX calls (POST) ?

`t/ords/www_flow.ajax net::ERR_SPDY_PROTOCOL_ERROR`

3 3 4



Peter Raganitsch @PeterRaganitsch · Mar 30

Still haven't found a solution. We have exactly same setup for different servers running all recent `#orclapex` version with `#ords` 18.4 on tomcat and `#oraclexe` 11 and 18. `#nginx` is our webserver. all systems run with the same config fine. just APEX 19 has a `ERR_SPDY_PROTOCOL_ERROR`

2 4 2



Dimitri Gielis @dgielis · Mar 30

the error I see is AH02429: Response header name 'Pragma Cache-Control' contains invalid characters, aborting request

1 1



Peter Raganitsch @PeterRaganitsch · Mar 31

For me it is pragma no-cache

2 1



Dimitri Gielis @dgielis · Mar 31

I found it's due to the proxy; when I go directly to ORDS it works all fine. It's strange that both you on Nginx as me on Apache have this issue. My config is with ORDS 18.3, but just like you APEX 5.1, 18.1 and 18.2 work fine. So I expect 19.1 is more strict on security headers?

1 1



Peter Raganitsch @PeterRaganitsch · Mar 31

For us it is a http2 aka SPDY thing.

1 1



Dimitri Gielis @dgielis · Mar 31

it's strange - even when I specifically set a Header Cache-Control in my reverse proxy it doesn't work

1 1 1 1



Peter Raganitsch @PeterRaganitsch · Mar 31

Tried that already. Same as removing headers. No change there.

2 1 1 1



Dimitri Gielis @dgielis · Mar 31

btw I get the same error on `www_flow.show`, so it's not only `www_flow.ajax`

1 1 1 1



Dimitri Gielis @dgielis · Apr 1

all working now :) thanks to awesome support of @chrisneumueller

2 1 1 1



Niels de Bruijn @nielsdb · Apr 1

What does this mean? Did you apply a patch?

1 1 1 1



Dimitri Gielis

@dgielis

Following

Replying to @nielsdb @PeterRaganitsch @chrisneumueller

yes; there's a small patch I did and all good afterwards

4:18 AM - 1 Apr 2019 from Louvain, Belgium

3 Likes



twitter.com/orclapexblogs



Entertainment



APEX_Predator @APEXPre38918366 · Feb 27

You see? There's the problem.

It's using last week's Javascript framework.

This whole thing is gonna need to be overhauled.

[#orclapex](#)





APEX Memes @OracleAPEXMemes · 2 Dec 2018



Welcome to [#orclapex](#) memes!

For when you need some memes to go with your [@OracleAPEX](#)!

Note: Some memes may be dank 🤪




Answers

Oracle Forums

community.oracle.com/community/groundbreakers/database/development-tools/application_express


Stack Overflow

stackoverflow.com

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ApEx Form off an Oracle Apex Collection



Introducing a new option for Private Q&A featuring single sign-on and advanced features for your business


▲ Is it possible to create an Oracle Apex form (with automatic fetch row) based on an apex_collection?


1 If so, how?

▼ Thanks.

★ oracle oracle-apex

share edit

edited Jun 27 '11 at 10:38  **Tony Andrews** 109k ● 17 ● 194 ● 237

asked Jun 20 '11 at 13:27  **tonyf** 12.9k ● 39 ● 117 ● 192


add a comment

2 Answers

active oldest votes

▲ No, because you can't insert, update and delete collection data directly, you have to call the apex_collection API.

1 share edit

answered Jun 20 '11 at 13:41  **Tony Andrews** 109k ● 17 ● 194 ● 237

✓

apex.world



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Slack To Forum

#_general

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I am facing challenge in Language translation. Whenever we create application with primary language , report action and some default thing will come in primary language. In public apex its coming properly but in our apex environment 18.2 I am facing issue. Suppose if I create application primary language as German, always report action menu is displaying in English. Please help me or suggest me why its happening. Thanks in advance.
07-May-2019 02:40:PM by: Rishu

News Forms Migration

Tags

Title, Author X

Niels de Bruijn Other
New Podcast: Niels De Bruijn, Niel's Feature Podcast
Link
05-May-2019 13:40:41 by: Juergen Schuster

Jackie McIlroy Other
New Podcast: Homo Cogitans #LowHighPodcast
Link
02-May-2019 23:55:01 by: Jackie

Tweets by @orclapexworld

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orclapexworld Retweeted

Oliver Lemm @OliverLemm

@commi235 is talking about Interactive Grid in APEX#apexconn19 #orclapex #javascript

The Interactive Grid

- New component since APEX 5.1
- Successive to Twitter Form
- Browser Extension to interact with



slack

Registration

apex.world/ords/f?p=100:800:::NO:::

apex.world

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Register

Email*

First Name*

Last Name*

Password*

At least 8 characters

Confirm Password*

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I accept the protection of data [Privacy](#)

Register

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orclapex

jackie.mcilroy

More Unreads

Channels

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#events

#forms_migration

#interactive-grid

#javascript

#mobile

#ords

#plsql

#plugins

#printing

#security

#sql

#sqlcl

#user_experience

#websheets

Direct Messages

Slackbot

jackie.mcilroy (you)

fuzziebrain

#_general

| 1,895 | 8 | apex.world communi



Search



Today

Hello All Apex Experts,

I need to set a filter on an IR (apex 18.1) on HOME page. The report is a list of tasks.

In fact there are 3 IR reports...

Now I want to have my tasks (assigned to me ONLY) filtered after Login and landing on Home.

How can I save a public report which is dynamically filtered by the connected user?

I was trying to use IR_ASSIGNED:&APP_USER. which seems not to work (edited)



1 reply Today at 4:51 PM



Rishu 4:35 PM



Hi Expert ,



Rishu 4:40 PM



I am facing challenge in Language translation. Whenever we create application with primary language , report action and some default thing will come in primary language. In public apex its coming properly but in our apex environment 18.2 I am facing issue. Suppose if I create application primary language as German, always report action menu is displaying in English. Please help me or suggest me why its happening. Thanks in advance.



2 replies Last reply today at 5:06 PM



Sebastian Szweda 4:54 PM

joined #_general.



Message #_general



apex.world Newsletter

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Newsletter

Issue 28 - 14 May 2019

apex.world Newsletter

Issue 28 - 14 May 2019

Editor's Note

Hi, Japs,

April was a big month for plug-ins, with more new ones being added to apex.world. Of course, the deadline for the APEX Competition 2019 may have passed a while... [👉](#)

Barbara Christen was [declared the winner](#) of APEX Contest for the [Enhanced LCU Item](#) plug-in. Second place went to Matthew Rango for the [Material Action Board](#) plug-in and third place to Stefan Oestre for the [Sandbox FLUGL Code](#) plug-in. Congratulations, everyone! [👉](#) [👉](#) [👉](#)

Top News

New with apex: Comparing IDEs with APEX
This is the latest version of the fantastic white paper: If you're using IDEs and want to extend it with APEX, consider this your handbook.

New Features: We have two new subpages here: APEX Blog
The two separate features Performance Benchmark & Release Overview and the second one Features Note de Bruijs.

New Feature: Last But Not Least a Blog!
In the sidebar, Japs and I began our about APEX World, ACP and more.

New Video
Olaf Hühns Check GQL at APEX Blog July 3: Finally building a time card app using Oracle APEX

Member of the Month: Barbara Christen
Barbara, created a sub-page that combined the best features of the Super LCU and Select plug-ins. Rock on, Barbara!

Community Blog Posts

[Flexible Oracle APEX Wizard Navigation](#)
Matthias Rango

[Desktop Oracle Application Extension on Desktops: Introducing with Termination](#)
Fangfang Wang

[Making Your APEX App Better](#)
Fangfang Wang

[GMAIL: Liberate APEX v1.0 to v1.2](#)
Gasper Gaspard

[Social Sign-In with Azure](#)
Adam Paj

[APEX Classic: Report as Alerts](#)
Scott Wessley

[Social Sign-In with APEX Images Gallery](#)
Daniel Huh

[Form Reports - BusinessSubline](#)
Jeffrey Korte

[What is an Email Template more than an Email Template?](#)
Jon Dever

[Web Services for S-Business Suite - Using Oracle APEX to Move into the Future](#)
Sylvain Maréchal

[Extended styles and FLUGL Dynamic Actions](#)
Jeffrey Korte

[Highlight 'current' card in APEX](#)
Scott Wessley

Upcoming Conferences

Koncept
Seattle, Washington | June 28-29, 2019
The ODTUG Koncept conferences will prove to be the most in-depth, inclusive, and engaging conference for APEX developers. Across the globe, every business in every industry needs user-friendly, performant, and up-to-date applications. ODTUG Koncept is the APEX conference of choice for app developers around the world.

*** Planning to go? The folks at Insum Solutions want to [sponsor you \\$100](#) ***

👉 If you're interested in speaking at APEX related conferences, check out this [GQL Checklist](#) app from the site at [SpokenAPEX](#).

New Plug-ins

APEX Flow Chart 1.0.0
The plug-in is as easy to use flow chart. The flow is completely data-driven and you can take it as you work. The flow chart supports an manual and an auto edition. When clicking on a value or event in flow, you can be redirected by a dynamic action. The flow chart is based on the magellan library.
Matthias Rango

ExportAPEX 0.0.0
A simple ETL export plugin for Oracle APEX.
Alex Sauter

QFCODE 1.0.0
QFCODE is an open-source plug-in that provides functionality to show QR Code for desktop and mobile. QR Code can be rendered as HTML, table or BMP image.
Zoran Tica

APEX Mailflow Item Plugin 1.0
This plug-in creates a mail flow APEX item.
Fangfang Wang

APEX Enhanced LCU Item 1.0.0
APEX Enhanced LCU Item is a powerful contribution to select singular / multiple values in two modes: autocomplete and page report. The plug-in provides high customization possibilities through its attributes.
Barbara Christen

Flexible APEX Dashboard 1.0.0
Flexible APEX Dashboard is a simple plug-in that enables end-users to customize their dashboard layout. The intention was to provide end-users similar report navigation possibilities that application-builder provides to APEX developers.
Adam Kucharski

APEX Life - Essential FLUGL Code 1.0.1
A new powerful Oracle FLUGL Code dynamic action. It includes descriptive notifications for business and error, configurable operators in case of trigger processes & CLRJ (JDBC) support.
Stefan Oestre

QuickMonthly Plugin 1.0
Oracle Apex Plugin for QuickMonthly maps
Dmitry Zorovskiy

Last JSON Object 1.0
This small utility plug-in sets a JSON Object to the page already at render time. For small sets of data, you don't have to bother with AJAX requests. As source for the JSON Object, you can choose 'SQL Query', 'SQL Query returning JSON Object', 'PL/SQL Procedure' or provide it as plain text.
Stefan Oestre

Be sure to visit apex.world for even more APEX related content and news!

Jobs

Training

Plug-ins

🌐

🔗

📧

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apex.world Newsletter

apex.world Newsletter

Issue 35 — 14-May-2019

Editor's Note

Hi Jorge,

April was a big month for plug-ins, with nine new ones being added to apex.world. Of course, the deadline for the APEX Competition 2019 may have played a role... 😊

Bartosz Ostrowski was [declared the winner](#) at APEX Connect for his [Enhanced LOV item](#) plug-in. Second place went to Matthias Range for the [Material Kanban Board](#) plug-in and third place to Stefan Dobre for the [Execute PL/SQL Code plug-in](#). Congratulations, everyone! 🎉🥳🎊

Top News

[New white paper: Extending EBS with APEX](#)



This is the latest revision of this fantastic white paper. If you're using EBS and want to extend it with APEX, consider this your handbook.

[New Podcasts: We have two new podcasts from APEX World](#)



The first episode features Przemyslaw Staniszewski & Bartosz Ostrowski and the second one features Niels de Bruijn.

[New Podcast - Don't Ask Me I'm Just a Woman!](#)



In this episode, Jackie and Juergen talk about APEX World, AOP, and more.

[New Videos](#)



1. [Mike Hichwa Oracle Q&A at APEX Alpe Adria](#) 2. [Rapidly building a time card app using Oracle APEX](#)

Member of the Month: Bartosz Ostrowski



[Bartosz](#) created [a single plug-in](#) that combined the best features of the Super LOV and Select2 plug-ins. Rock on, Bartosz!

Reference

API & Docs

`apex.oracle.com/doc{ver}`

apex.oracle.com/doc42

apex.oracle.com/doc50

apex.oracle.com/doc51

apex.oracle.com/doc181

apex.oracle.com/doc182

apex.oracle.com/doc191



Format change

API & Docs

apex.oracle.com/api

New as of May 15!

apex.oracle.com/doc191

How did I know? ...



Joel R. Kallman

@joelkallman

Following



Two new shortcuts added (thanks to the great suggestion from [@rimblas](#)):

1) API Documentation: apex.oracle.com/api

2) Certification Exam:
apex.oracle.com/certification

You can view the entire list of shortcuts at:
apex.oracle.com/shortcuts

[#orclapex](#) [#MOCA](#)


7:11 AM - 15 May 2019

Universal Theme

apex.oracle.com/ut


ORACLE APEX App Builder SQL Workshop Team Development **App Gallery**

All Productivity Sample Installed



Universal Theme Sample Application
Sample Application ✓ Installed

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Icons!

≡ Universal Theme

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🔍 Design >

🔍 Components >

🔍 Migration Guides >

🔍 Icons

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 Icons

[About Font APEX](#)














Small

Large

Accessibility Icons

 fa-american-sign-language-interpreting	 fa-asl-interpreting	 fa-assistive-listening-systems	 fa-audio-description
 fa-blind	 fa-braille	 fa-deaf	 fa-deafness
 fa-hard-of-hearing	 fa-low-vision	 fa-sign-language	 fa-signing
 fa-universal-access	 fa-volume-control-phone	 fa-wheelchair-alt	

Calendar Icons

 fa-calendar-alarm	 fa-calendar-arrow-down	 fa-calendar-arrow-up	 fa-calendar-ban
 fa-calendar-chart	 fa-calendar-clock	 fa-calendar-edit	 fa-calendar-heart
 fa-calendar-lock	 fa-calendar-pointer	 fa-calendar-search	 fa-calendar-user
 fa-calendar-wrench			

Interactive Grid

github.com/mgoricki/orclapex-ig-heat-sheet

IG Cookbook

hardlikesoftware.com/weblog/2019/03/30/apex-ig-cookbook-update-for-19-1/

hardlikesoftware.com/weblog/2018/10/10/apex-ig-cookbook-update-for-18-2/

github.com/Dani3lSun/awesome-orclapex

Awesome Oracle APEX (Application Express)



Useful resources for [Oracle Application Express](#)

Downloads and additional information on the [OTN pages](#)



Contents

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twitter.com/Dani3lSun

People

Who is who?



APEX Team

As of May 2019

twitter.com/joelkallman

twitter.com/mikehichwa1

twitter.com/orcl_dpeake

twitter.com/msewtz

twitter.com/shakeeb

twitter.com/AnthonyRayner

twitter.com/J_Snyders

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twitter.com/cczarski

twitter.com/patrickwolf

twitter.com/JasonAStraub

twitter.com/chaitanya_in

twitter.com/DougAGault

twitter.com/ChristinaCho22

twitter.com/David_S_Gale

twitter.com/mennooo

Resources

apex.oracle.com/shortcuts

apex.oracle.com/en/learn/resources/

Statement of Direction

apex.oracle.com/sod

Release 19.2



Enhanced Popup LOV

The built-in popup LOV component will be modernized to allow for dynamic, shared LOVs to include multiple columns and enhanced search capabilities.



Expanded Shared LOVs

Shared LOVs will be extended to support REST Enabled SQL and Web Source data sources.



Easy Filterable Reports

A powerful new way to filter and display your data. The faceted search will make it easier for your users to find the data they want.



REST Enabled Interactive Grid

The built-in support for REST Enabled SQL and Web Sources will be extended to Interactive Grids and allow read and write access to remote data sources.



Data Loading into Existing Tables

The data upload functionality in SQL Workshop will be extended to allow uploading native Excel, CSV, XML and JSON documents into existing tables.



Upgraded Oracle JET

Oracle JET will be upgraded to the latest available version.



Other Enhancements

Updated Productivity and Sample apps.

DB Features

apex.oracle.com/database-features/

ORACLE

Database Features



Search

Search Features

Focus Area

Application Development

Sub Area

☒ Application Express

- ☐ AQ
- ☐ Data Types
- ☐ .NET
- ☐ Globalization
- ☐ Graph
- ☐ Java
- ☐ JDBC
- ☐ JSON
- ☐ Multimedia
- ☐ OCI
- ☐ PL/SQL
- ☐ Precompilers
- ☐ Sequences

Feature

11.2

12.1

12.2

18c

19c

Accessibility

Improvements have been made in the area of accessibility in existing themes and HTML templates.

12.1 Release

Application Express



Application Date Format

You can now define a date format to be used throughout an application. This date format is used to al...

11.2 Release

Application Express



Application Express 5.0: All New Calendar

The new calendar component includes built-in support for Month, Week, Day, and Agenda views, and ...

12.2 Release

Application Express



Application Express 5.0: Improved Application Builder Design

Oracle Application Express release 5.0 introduces a new interface that focuses on improving the user ...

12.2 Release

Application Express



Application Express 5.0: Interactive Reporting

Interactive reports are completely rebuilt in Oracle Application Express release 5.0 to enhance both d...

12.2 Release

Application Express



Application Express 5.0: Mobile Enhancements

You can now build reports that display all of your data on any mobile device by using reflow table or c



Release Notes

[bit.ly/apexreleasenotes](https://apex.mt-ag.com/apex/f?p=279:1:.....)

← → ↻ 🔒

https://apex.mt-ag.com/apex/f?p=279:1:.....

APEX Release Notes

APEX release
18.2.0.00.12

[Click here to see if your APEX version is still supported.](#)
[For differences in Oracle Database features, you might want to click here.](#)

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1. Primary Report

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Release	Patchset Nr	Publish Date ↓	Source	Category	Component	Ref. Nr	Title	
18.2.0.00.12		28-SEP-2018	Oracle	Changed Behavior	Charts		FLASH CHARTS AND GANTT CHARTS NO LONGER DISPLAY	S 18 /i re S fi to d
18.2.0.00.12		28-SEP-2018	Oracle	Key Feature	Classic Reports		CLASSIC REPORTS: ENABLING COMPUTE SUM AND BREAK COLUMNS	T al re .

EBS Integration



An Oracle White Paper

April 2019

Extending Oracle E-Business Suite
Release 12 using Oracle APEX

Revision 3.03

oracle.com/technetwork/developer-tools/apex/learnmore/apex-ebs-extension-white-paper-345780.pdf

Q&A

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Jorge Rimblas



Insum



@rimblas

MAY 15 & 16, 2019

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