

APEX Visualizer 22.1

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DOAG 22.09.22

über mich

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Agenda

- 1 what is APEX Visualizer?
- 2 Releases
- 3 Livedemo
- 4 Application settings
- 5 Migration support
- 6 Application Gallery support
- 7 roadmap
- 8 conclusion

what is APEX Visualizer?

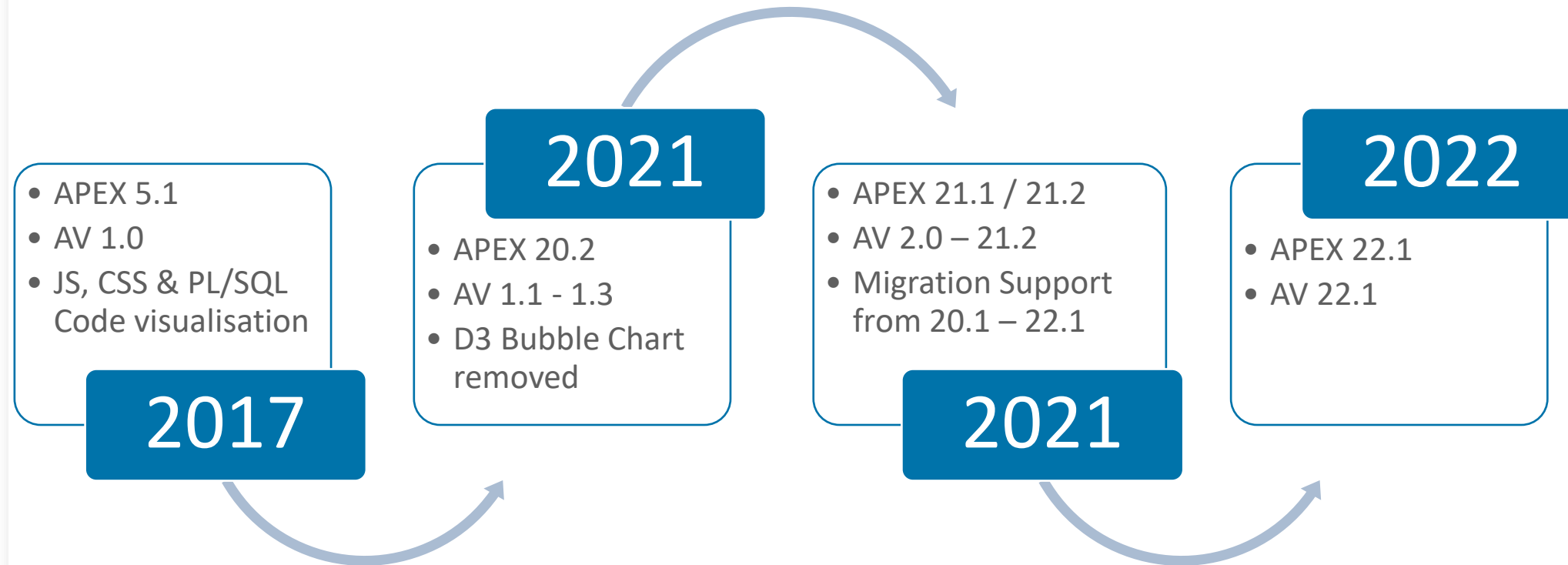
an APEX App based on APEX 22.1

crawl and visualize JavaScript, CSS and PL/SQL Code

identify key settings of your application

show deprecated or desupported components

Releases



Livedemo

APEX Visualizer

Log Out

Applications

Pages

Visibility

Last Updated

Templates

JavaScript

CSS

PL/SQL

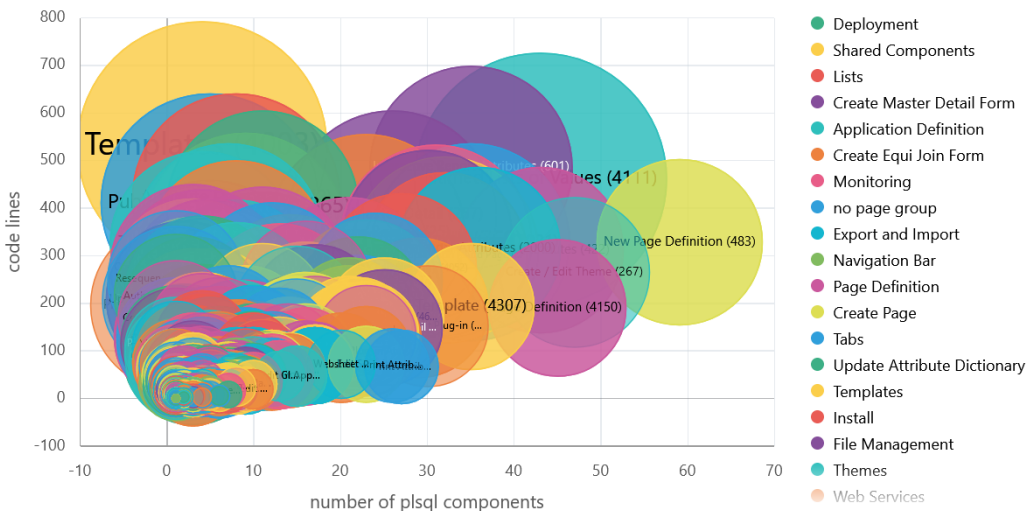
Plugins

Links

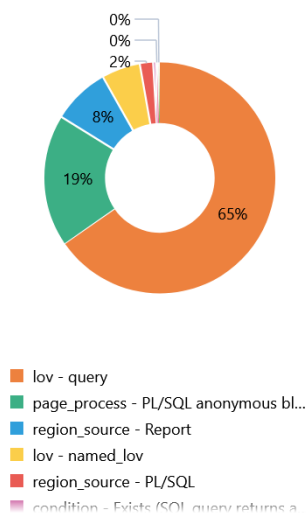
QA

Migration

Characters of PLSQL Code per Page



Place of PLSQL



> Filter

Filter

☒ no filter

☐ best practice

☐ donts

Application

393 - Oracle APEX AppBi

Page

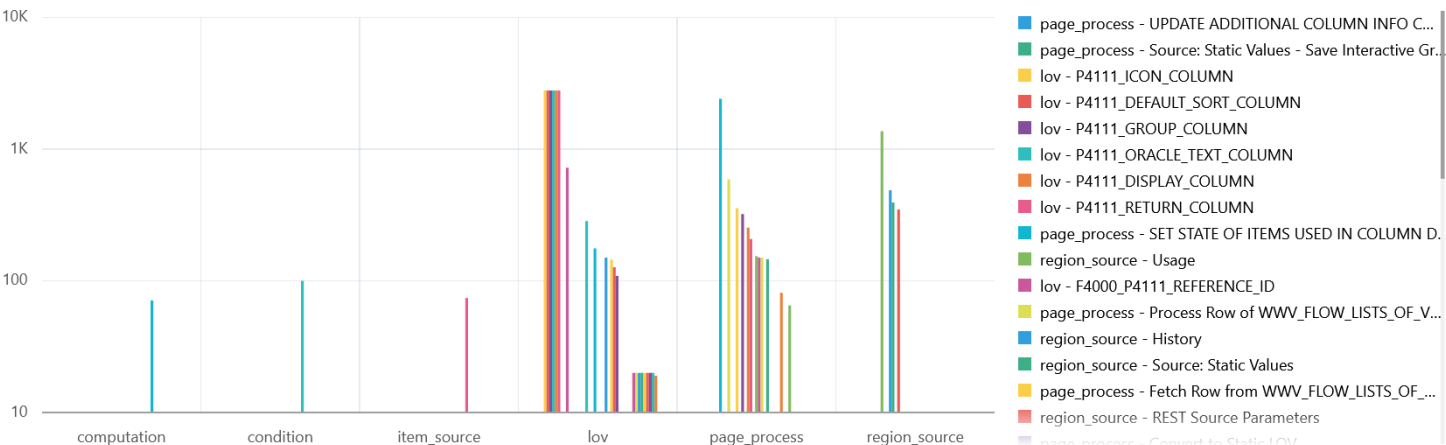
Named Lists of Values (4

Component type

all

Refresh

PLSQL in Page



Application Settings

general application settings

Compatibility Mode **21.2** ⓘ

Session State Protection **Enabled** ⓘ

Runtime API Usage **None** ⓘ

Theme Name **Universal Theme** ⓘ

UT Version **22.1** ⓘ

Include Legacy Javascript **No** ⓘ

Include jQuery Migrate **No** ⓘ

Include Legacy Javascript



Supporting legacy JavaScript means always to load more JavaScript as necessary.
This attribute can be found inside your application in the shared components => user interface page in the section "JavaScript". If one of the Checkboxes "Include Deprecated or Desupported Javascript Functions" is switched on it will return Yes.
For best performance and up-to-date JS calls switch "Pre 18.1" and "18.x" off.

unused components

unused plugins

Display Name ↑≡	Name
CSS Bar Chart	COM.ORACLE.APEX.CSS_BAR_CH...
Flot Pie Chart	COM.ORACLE.APEX.FLOT.PIE
List Calendar	COM.ORACLE.APEX.LISTCALENDAR
List Calendar w/ Control Break	COM.ORACLE.APEX.LISTREPORT_...
Search Results	COM.ORACLE.APEX.SEARCH_RES...
Tags	COM.ORACLE.APEX.TAGS
Total 6	

unused authorization schemes

Authorization Scheme Name
APPLICATION SENTRY
Total 1

never condition used

Q

Search: All Text Columns

Go

Actions

Reset

Page Name	Page Id	Component Type	Component Name
Home	1	REGION	Breadcrumbs
Decisions	5	REGION	Breadcrumb
Pending Requests	6	REGION	Breadcrumb
Decision	20	REGION	Decision

Migration Support

Deprecated

A component or functionality, which will be removed in a future release
it's still useable and supported

Desupported

A component or functionality, which will be removed in a future release
it's still useable, but not supported

Removed

A component or functionality, which has been removed
it's not useable any more

Migration Support

7.1 Desupported Features - [Link to Release Notes](#)

▼ 7.1.2 Desupported JavaScript Functions

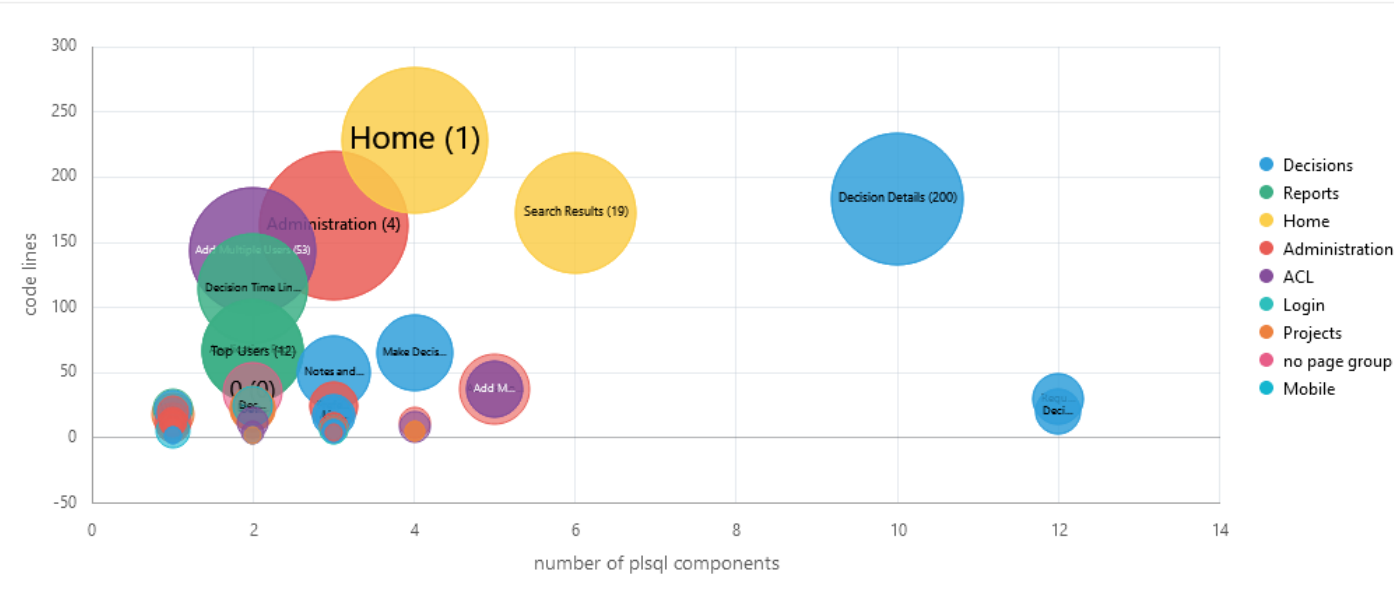
- **openModal('myRegionId');** => **apex.theme.openRegion('myRegionId');** APEX 20.1 JS API **apex.theme.openRegion**
- **closeModal('myRegionId');** => **apex.theme.closeRegion('myRegionId');** APEX 20.1 JS API **apex.theme.closeRegion**

1 - 8

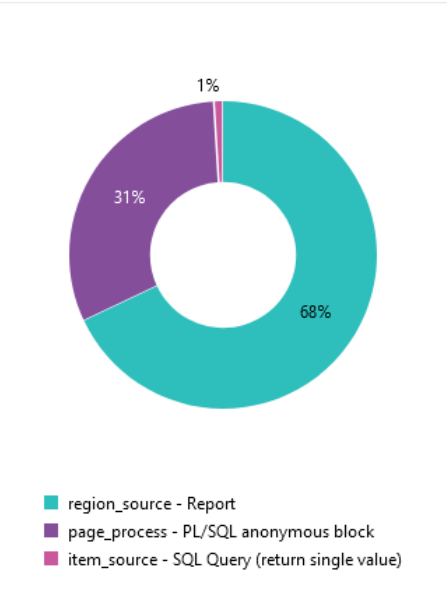
Page Id ↑	Page Name	Component Name	Component Type	Js Code Vc2
4	Administration	CANCEL (10)	button	javascript: closeModal ();
200	Decision Details	POPATTACHMENT (50)	button	javascript: openModal ('add_file_modal');
200	Decision Details	CANCEL (150)	button	javascript: closeModal ();
200	Decision Details	POP_LINK (30)	button	javascript: openModal ('add_link_modal')
200	Decision Details	CANCEL (110)	button	javascript: closeModal ();
200	Decision Details	CANCEL (130)	button	javascript: closeModal ();
200	Decision Details	ADD_ATTACHMENT (90)	button	javascript: openModal ('add_file_modal');
200	Decision Details	POPNOTE (20)	button	javascript: openModal ('ADDNOTEM');

Migration Support

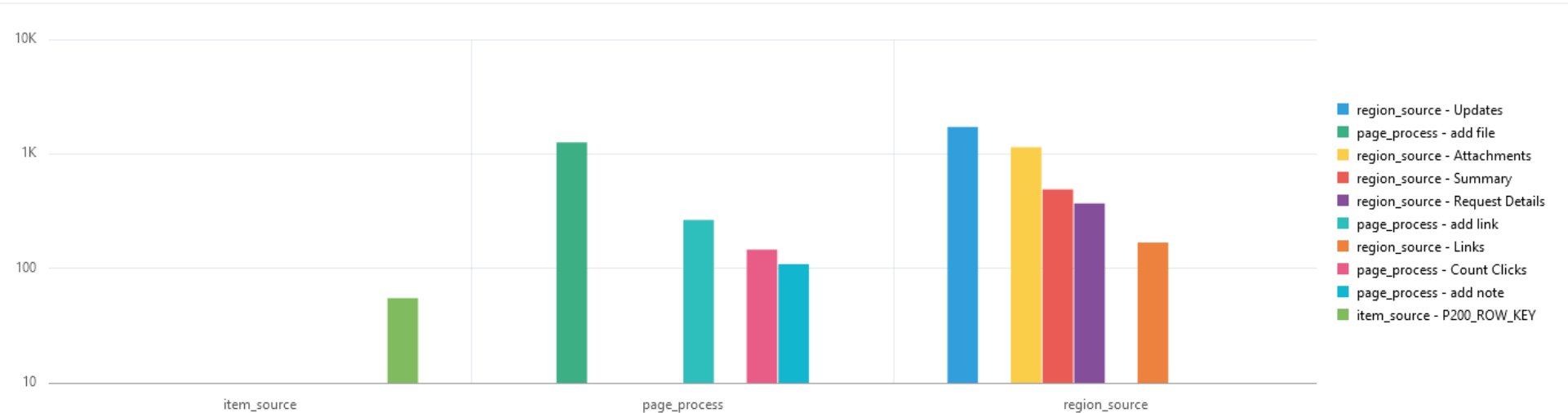
Characters of PLSQL Code per Page



Place of PLSQL

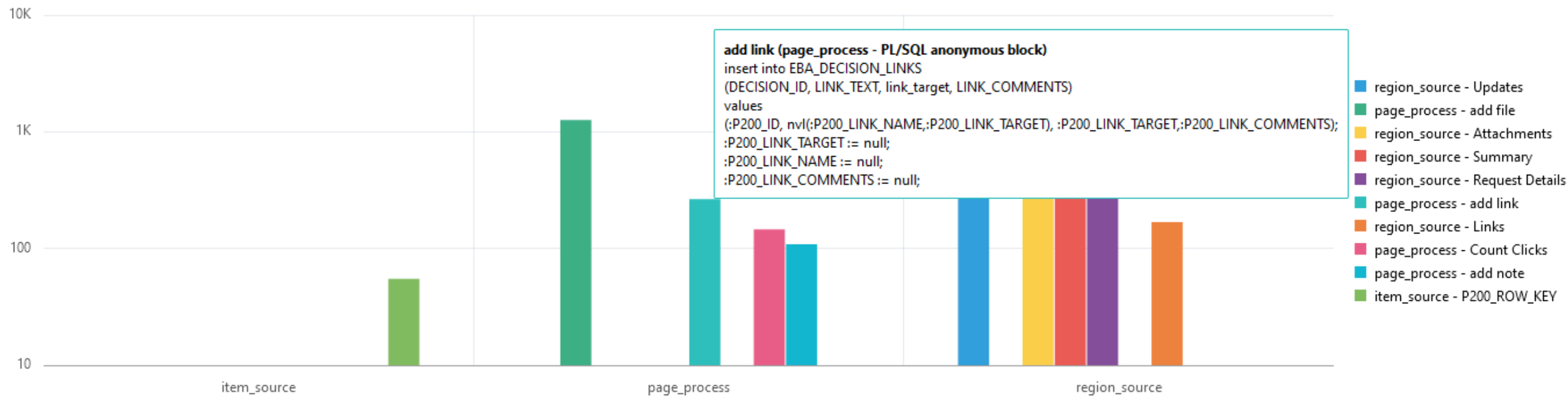


PLSQL in Page



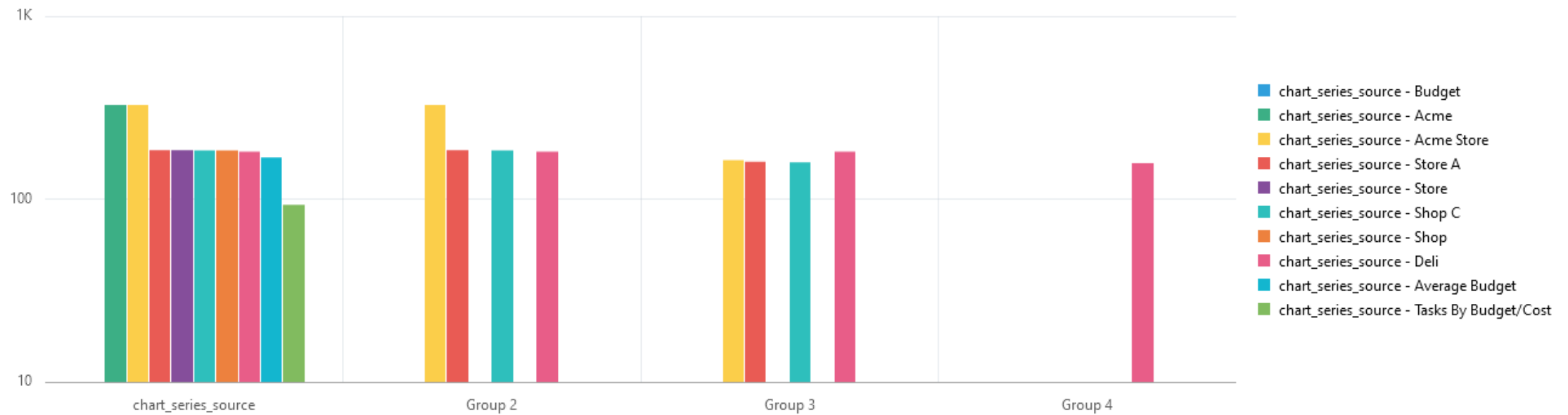
Migration support details

PLSQL in Page



Migration support – charting issues

PLSQL in Page

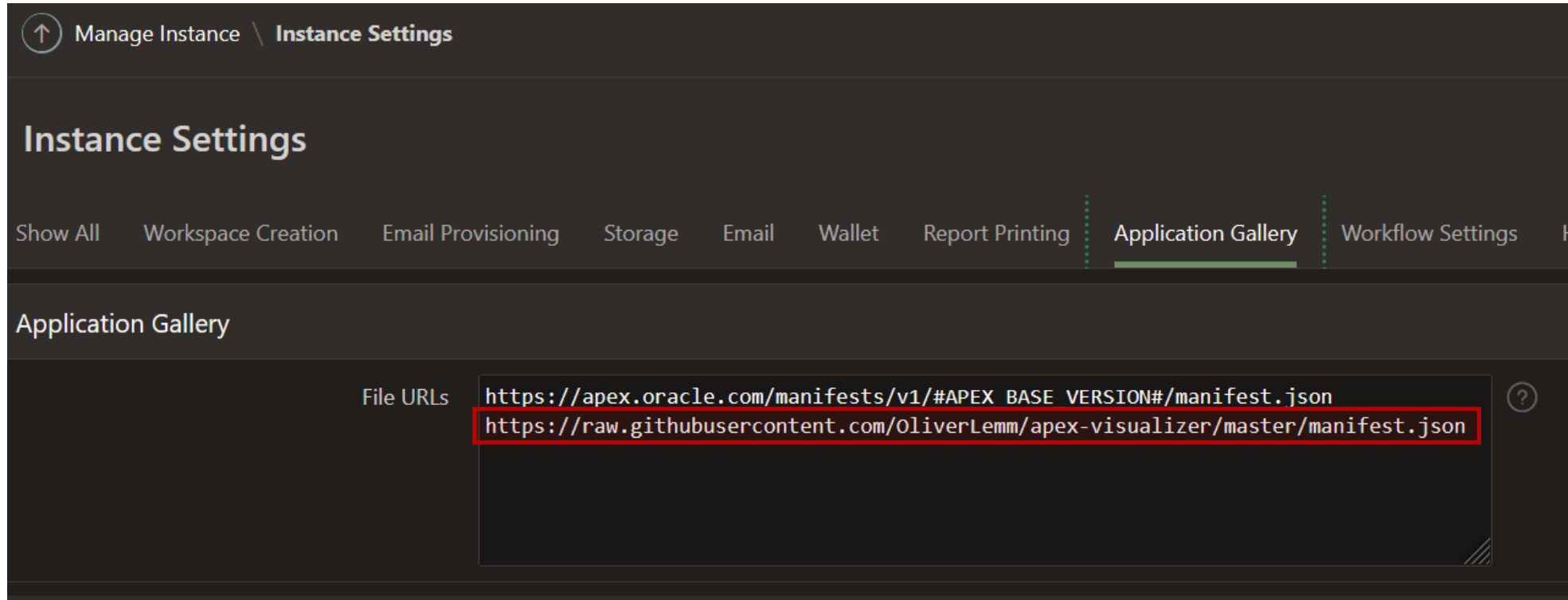


Application Gallery Support

```
1 {  
2   "customApps": [  
3     {  
4       "internalName": "APEX_VISUALIZER",  
5       "name": "APEX Visualizer",  
6       "description": "An APEX Application, which can visualize many details of all applications in the same workspace.",  
7       "author": "Oliver Lemm",  
8       "version": "22.1.1",  
9       "icon" : "",  
10      "url": "https://github.com/OliverLemm/apex-visualizer",  
11      "source": "https://raw.githubusercontent.com/OliverLemm/apex-visualizer/Release-22.1.1/app/apex_visualizer.sql",  
12      "zip": "https://raw.githubusercontent.com/OliverLemm/apex-visualizer/Release-22.1.1/app/apex_visualizer.zip"  
13    }  
14  ]  
15 }
```

Link must start with **raw.githubusercontent.com**
not with **github.com**

Application Gallery Support



↑ Manage Instance \ Instance Settings

Instance Settings

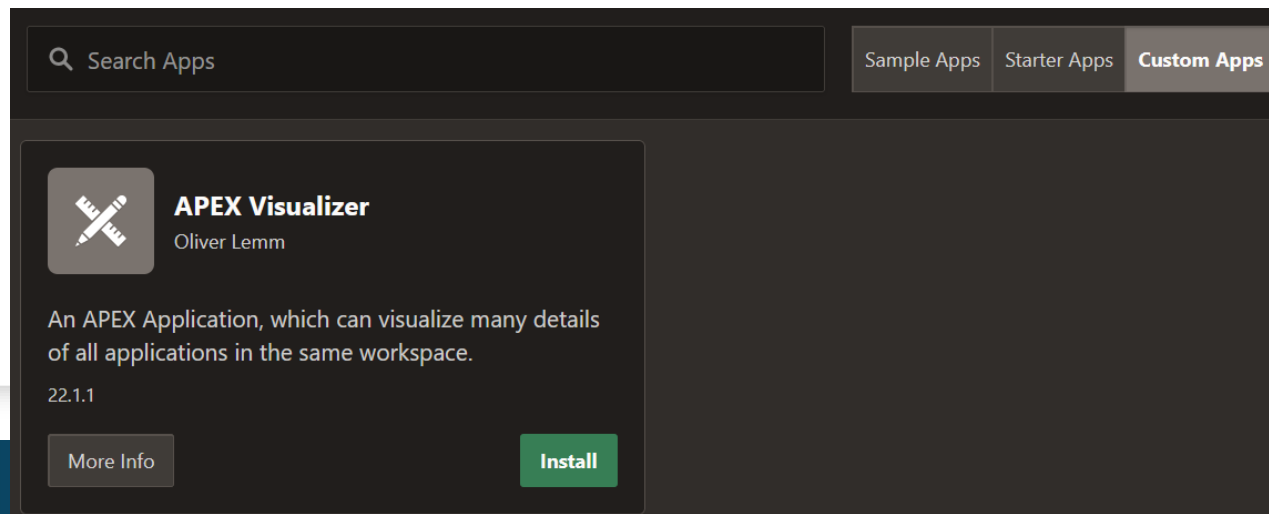
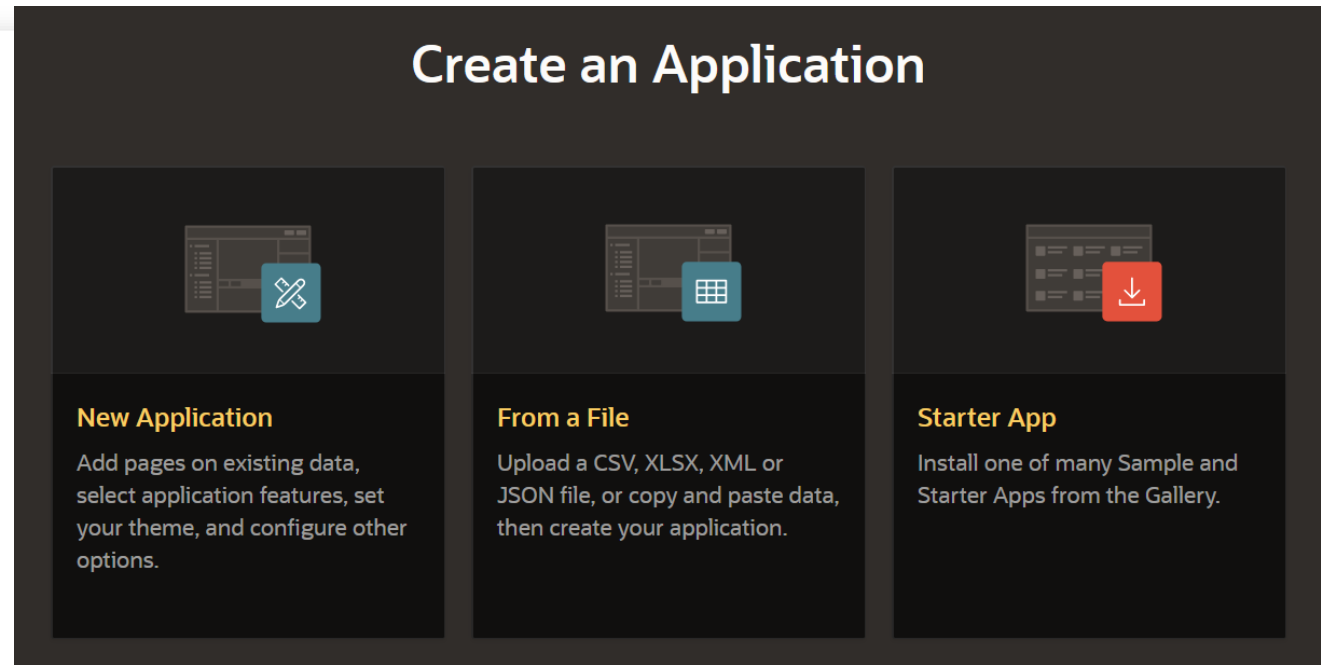
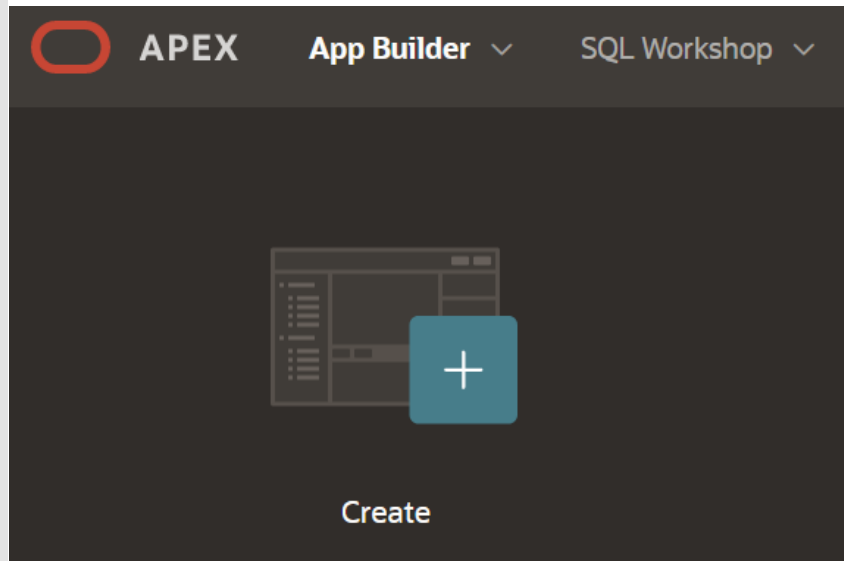
Show All Workspace Creation Email Provisioning Storage Email Wallet Report Printing **Application Gallery** Workflow Settings H

Application Gallery

File URLs

- https://apex.oracle.com/manifests/v1/#APEX_BASE_VERSION#/manifest.json
- <https://raw.githubusercontent.com/OliverLemm/apex-visualizer/master/manifest.json>

Application Gallery Support



export with sqlcl, json/yaml and zip support

```
apex export -applicationid 347 --skipExportDate  
tar -a -cf apex_visualizer.zip f347
```

```
apex export -applicationid 347 -split --skipExportDate
```

```
apex export -applicationid 347 -skipExportDate -expType READABLE_JSON  
rmdir /s /q json  
move /Y readable\application json  
rmdir /s /q readable
```

```
apex export -applicationid 347 -skipExportDate -expType READABLE_YAML  
rmdir /s /q yaml  
move /Y readable\application yaml  
rmdir /s /q readable
```

roadmap

Edit Link for page designer components

Support more unused components

Support more releases

Support to inspect PL/SQL schema objects

Support to inspect JS/CSS static files

Better App Navigation visualisation

conclusion

easier installation with App gallery support

easier migration analysis

easier migration when removing deprecated or desupported components

fun by doing analysis with visualisation 😊

Vorträge Donnerstag, 22.09.2022

Titel	Uhrzeit	Raum	Referent:in
Playwright enters the stage - End-to-end Oberflächentests für Oracle APEX Apps	08.00–08.45 Uhr	Prag	 Fabian Neureiter
Immersive Analytics: Datenvisualisierung mit VR	09.00–09.45 Uhr	Oslo	 Philipp Hartenfeller
Die Dynamic Actions Schulbank	09.00–09.45 Uhr	Stockholm	 Robin Schulz
APEX Visualizer 22.1	11.00–11.45 Uhr	Sydney	 Oliver Lemm
APEX APIs for Everyone - Reloaded	13.00–13.45 Uhr	Sydney	 Moritz Klein

Haben wir Ihr Interesse geweckt?



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https://www.xing.com/profile/Oliver_Lemm

