

CREATING AND EDITING OFFICE DOCUMENTS DIRECTLY IN ORACLE APEX

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DIMITRI GIELIS

- Founder & CEO of United Codes
- 22+ years of Oracle Experience (OCP & APEX Certified)
- Oracle ACE Director
- “APEX Developer of the year 2009” by Oracle Magazine
- “Oracle Developer Choice award (ORDS)” in 2015
- Author Expert Oracle APEX
- Presenter at Conferences



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-  APEX Office Print
-  APEX Media Extension
-  APEX Project Eye
-  Plug-ins Pro

A group of colorful wooden human figures standing in a line, representing a diverse community. The figures are in various colors including blue, yellow, red, green, and brown. The text is overlaid on the center of the image.

WHAT IS OUR COMMUNITY
STRUGGLING WITH?

You guys have created a very nice solution with AOP to generate documents from APEX.

However, once such a document is generated, you want to be able to modify it from time to time. We are looking for a solution in which, after a document has been generated, we can call up a Word editor in a browser window, so that you don't need to have Word on your machine.

Regards,
Richard

how i can open word from apex direct and make editing and save it again

User_V220J Member Posts: 16 Green Ribbon
Mar 10, 2022 11:18AM

how i can open word from apex direct and make editing and save it again
(word open from apex url)

Flag 44 Quote 0 Like 0 f

MS word plugin to be integrated with Oracle APEX OR Solution TO This Case

User_V220J Member Posts: 16 Green Ribbon
Mar 13, 2022 8:38AM

Hi,

We have a requirement from our client, that they want MS word plugin to be integrated with Oracle APEX. Currently we are using Ck Editor in Oracle APEX and client wants to replace the Editor with MS word.

On another subject I noticed on Twitter that you are developing a new product for an APEX Sharepoint. I would be interested to find out more as we probably have customers that would be interested.

Regards,
Jon

 **Denes Kubicek**
@DenesKubicek

Any experiences with [#orclapex](#) working similarly to Microsoft SharePoint? Means, you open a document stored in database, and you are able to save your changes directly in the source.

2:53 PM · Jan 12, 2022 · Twitter Web App

Issue with saving changes in uploaded Excel Files (APEX 3.2.1)

932042 Member Posts: 7
Oct 29, 2015 10:35AM edited Oct 29, 2015 11:54AM

Hello Community,

I have a Table and store Documents in it.

I would like to provide a Link for the users to open a uploaded Excel File, make changes, save them and finally close the file.

OUR VISION

Give developers endless possibilities and ideas to make their end-users shine and be successful...



... by making document generation,
editing and managing in the Oracle
database and APEX

EASY and **POWERFULL**

THE REQUIREMENTS FOR APEX OFFICE EDIT



EASY TO INSTALL,
MAINTAIN AND USE



SUPPORT FOR ALL
OFFICE DOCUMENTS
AND PDF



SEAMLESS
INTEGRATION WITH
THE ORACLE
DATABASE



CREATE, EDIT AND
SAVE DOCUMENTS IN
ONE CLICK



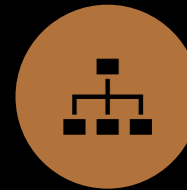
THE ULTIMATE AOP
EDITOR



COLLABORATE ON THE
SAME DOCUMENT



NO MS OFFICE OR
OTHER 3RD-PARTY
LICENSE REQUIRED



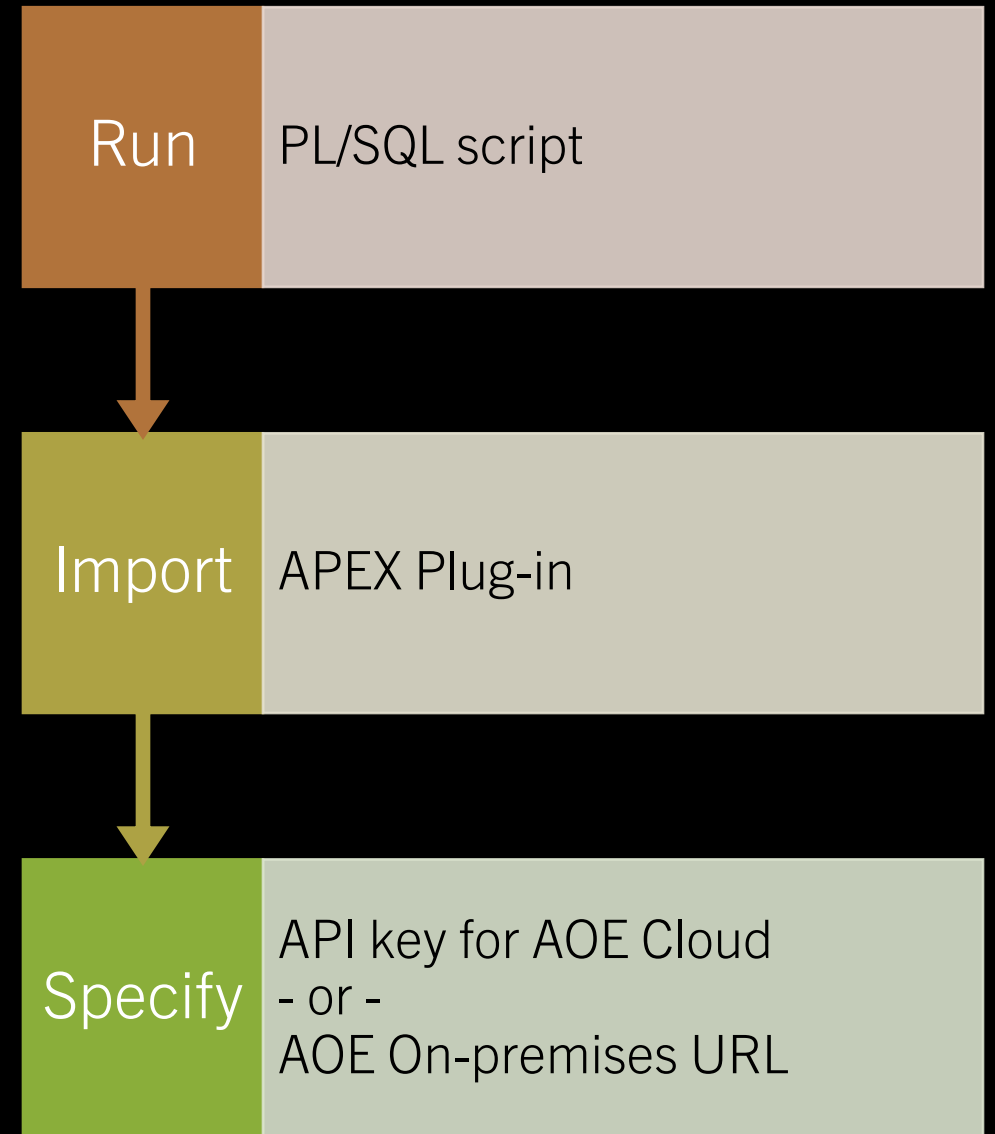
DOCUMENT
MANAGEMENT
CONTROLS
(INCLUDING VERSION
CONTROL)

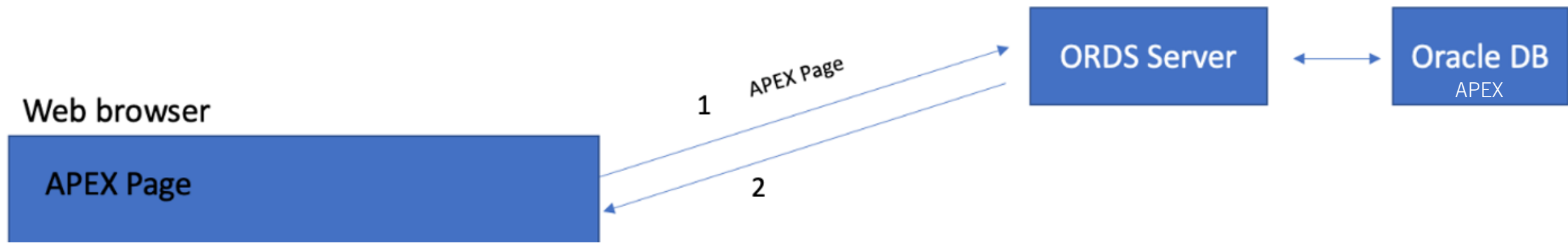


UNITED CODES STANDARDS

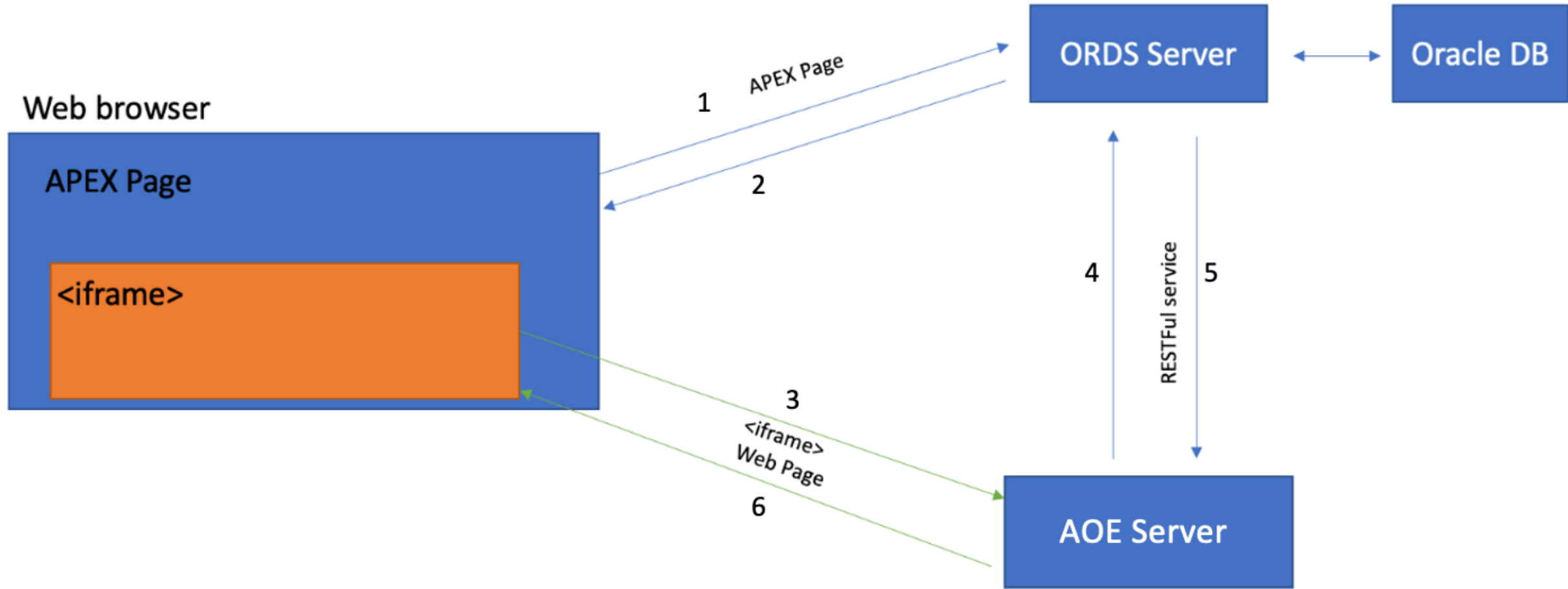
- Quick & Easy Setup
- Secure
- Scalable
- Flexible
- Great performance
- On-premises & Cloud
- Fully documented
- Maintainable
- Listen to customer feedback & continuous improvements

3 STEPS INSTALLATION PROCESS



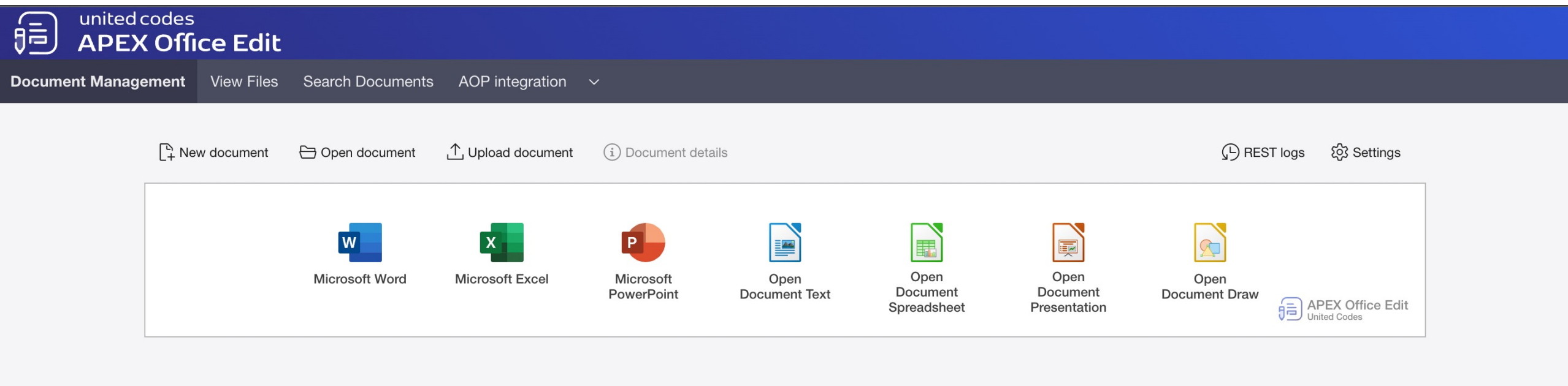


ARCHITECTURE



ARCHITECTURE

SUPPORT FOR MS OFFICE & OPEN OFFICE DOCUMENTS



!!! No Office license required !!!

SEAMLESS INTEGRATION WITH THE ORACLE DATABASE

- Create
- Update
- Delete
- Search with Oracle Text



THE ULTIMATE AOP EDITOR & VIEWER

Edit Template in APEX Office Edit

 Select Template **Generate with AOP**

Output document

The image is a screenshot of a Microsoft Word document. At the top, the Word ribbon is visible with tabs for File, Home, Insert, Layout, References, Review, Format, and Form. The document title bar shows 'APEXOfficePrint'. The document content includes a header 'APEXOfficePrint' and a date 'Printed on 26/07/2022'. The main body of the document is a letter. It starts with a logo for 'united codes APEX Office Print' and the word 'COMMUNICATION'. The letter is addressed to 'Smith John' in 'London'. It states 'Your reference number: 1' and is dated 'Leuven, 26 january 2014'. The letter begins with 'Dear John,' and continues with 'Thank you for your interest in APEX Office Print.' and 'We worked hard to make it a great product. Please visit <https://www.apexofficeprint.com> for more information.' It ends with 'We hope you enjoy our product!' and 'APEX R&D'. The status bar at the bottom shows '147 words, 986 characters', 'Insert' mode, 'Standard selection', 'English (USA)', 'Read-only' status, and a zoom level of '85%'.

APEX OFFICE PRINT INTEGRATION WITH APEX OFFICE EDIT

ActionUC - APEX Office Print (AOP) - DA [Plug-In]

Settings

Template TypeSQL

Template Source

```
select mime_type, content
  from aoe_files_custom
 where id = :P3_TEMPLATE_ID
```

Data TypeSQL

Data Source

```
select
  'file1' as "filename",
  cursor(
```

Special

- ☐ Treat all numbers as strings
- ☐ Report as Labels
- ☐ IR/IG: Show Filters on top
- ☐ IR/IG: Show Highlights on top
- ☐ IR/IG: Show header with filter (Excel)
- ☐ IR/IG: Use Saved Report instead of Report in Session
- ☐ IR/IG: Repeat header on every page
- ☐ Obfuscate data

Init PL/SQL Code

```
aop_api_pkg.g_aoe_region_static_id := 'output';
```

Output TypeWord (docx)

Output ToAPEX Office Edit (AOE)

Procedure NameAOE_SAMPLE_APP_UTIL.generate_from_template

DOCUMENT MANAGEMENT

VERSION CONTROL IN SAMPLE APP

New documentOpen documentUpload documentDocument details

REST logsSettings

Document ID	Filename	Last modification	Size (Bytes)	Current version	Author
12535	New file.docx	2022-07-26 22:46:52	7	3	APEX_PUBLIC_USER

Actions

Versions

PL/SQL callbacks

Rows per page10Refresh reportExplanation

Version	Size (Bytes)	Version description	Blob Owner	Created Date
Preview version3	9,209	The version was created as the result of saving changes in the document.	APEX_PUBLIC_USER	26-JUL-2022 22:46
Preview version2	9,211	The version was created as the result of saving changes in the document.	APEX_PUBLIC_USER	26-JUL-2022 22:46
Preview version1	11,844	-	APEX_PUBLIC_USER	26-JUL-2022 22:46

1 - 3

COMPARE VERSIONS

Version preview

 Set as current

 Delete

Compare with

 Close comparison

All versions

Version 5 (2022-07-26 22:48) - current

▼

ID	12535
Author	APEX_PUBLIC_USER
Version Info	The version was created as the result of saving changes in the document.

Previous versions

Version 4 (2022-07-26 22:48)

▼

ID	12535
Author	APEX_PUBLIC_USER
Comment	The version was created as the result of saving changes in the document.

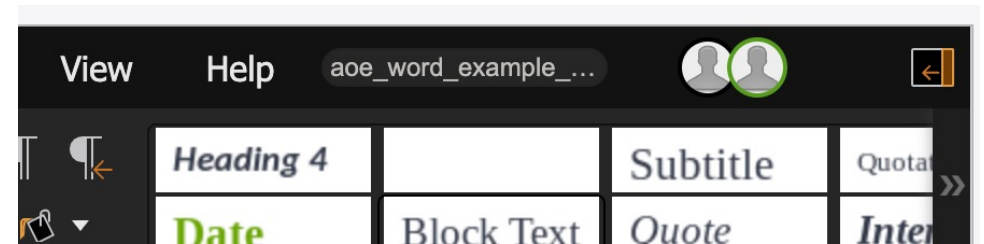
 File View Help

Version 5

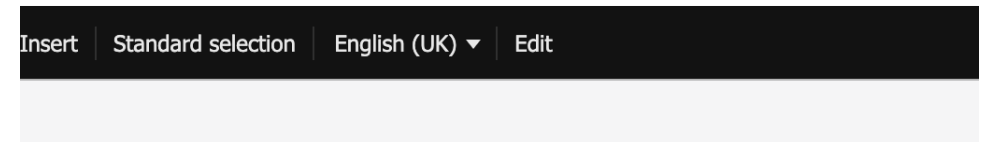
 File View Help

Version 4

COLLABORATE WITH MULTIPLE PEOPLE ON THE SAME DOCUMENT



To get started ^{JACKIE}straight away, simply tap any placeholder text (such as this) and start typing.



DEMO



MAY-2019 Start Research	JUN-2019 Very hard, most likely use 3 rd party	SEP-2019 Research AOE Server part	MAR-2020 First custom implementation	DEC-2020 Go live @ Customer
MAR-2021 Latest iteration @ Customer	APR-2021 Start APEX Plug-in development	DEC-2021 APEX Plug-in ready	MAR-2022 AOE Cloud / improve server	MAY-2022 APEX Plug-in refactoring
JUN-2022 AOE Server refactoring	JUL-2022 APEX Plug-in refactoring	OCT-2022 Update documentation	NOV-2022 Creation AOE Sample App	JAN-23 Release AOE v23.1

TIMELINE TO RELEASE

AGENDA – PART 1

1. Intro

- Why APEX Office Edit was created
- APEX plug-in
- Restful Service

2. Installation

- On-premises

3. Getting Started

- The fastest way to start with default tables
- Using Word, Excel, PowerPoint, and Open Document formats

AGENDA – PART 1 CONTINUED

4. Features

- Document Versioning
- Authorization Control
- Read-only Mode
- Prevent local access
- Disable file creation
- Restricting Document types

5. APEX Integration

- Multiple documents per page
- Report with a form
- Javascript Customizations (look & feel)

AGENDA – PART 2

6. Debugging

- APEX Plug-in debug (LEVEL6)
- AOE Debug

7. Server Component

- Features
- Configuration
- Logging

AGENDA – PART 2 CONTINUED

8. Advanced

- Using PL/SQL Callbacks
- Using custom tables
- Using APEX Collections
- Filesystem Storage
- Cloud Integration (AWS, Oracle Cloud, ...)
- Document Searching (Oracle Text)
- Collaboration

9. AOP Integration

- Template Editor/ Output Preview



Q & A

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