

Become an APEX Office Print Expert

Dimitri Gielis -
dgielis@united-codes.com

Dimitri in Leuven, Belgium



Dimitri

- CEO and Founder of  [united codes](#).
- Oracle ACE Director
- APEX Developer of the year 2009 by Oracle Magazine
- Oracle Developer Choice award (ORDS) in 2015
- Member of year apex.world 2019
- Author Expert Oracle APEX



dgielis



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dgielis.blogspot.com

AOP Workshop

Pre-requisites:

- apexofficeprint.com cloud account
- Login into APEX Workspace
- Install AOP Workshop APEX application
- MS Office or LibreOffice or Google Docs

AOP Overview

Create PDF based on Word template

- Invoice with Image and QR Code

Create Excel

- Different Sheets, a Table and Formulas

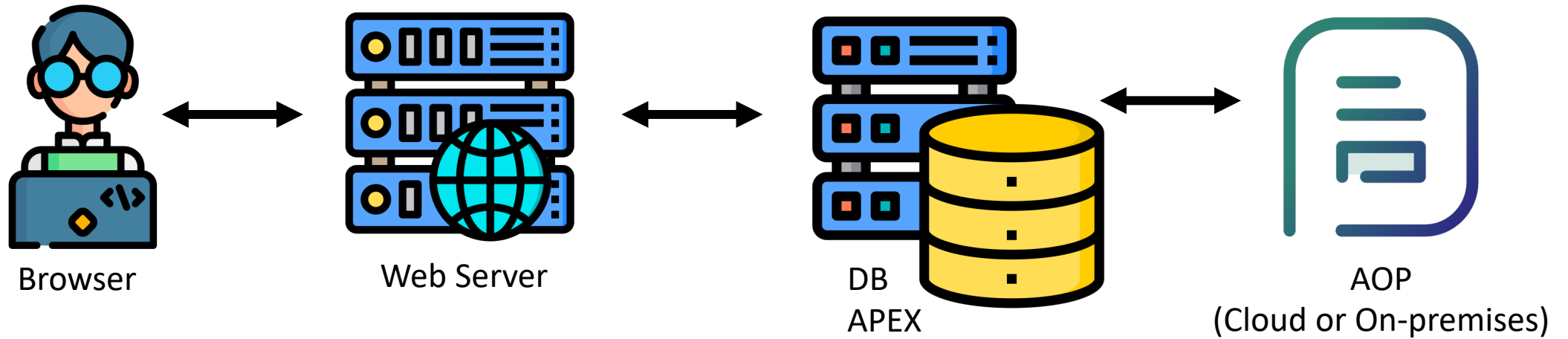
Create Powerpoint

- Different slides and native chart

Use PL/SQL API to send email with PDF attachment

Sample Applications: AOP Modal, PDF Tools, Samples

Architecture



```
{
  "version": "19.1.5",
  "mode": "development",
  "aop_url": "http://localhost:8010/",
  "aop_remote_debug": "Local",
  "apex_version": "18.2.0.00.12",
  "logging": {
    "template_filename": "aop_simple_letter.docx",
    "output_filename": "output.docx",
    "user": "ADMIN",
    "session": "13076940850550",
    "app_id": "101"
  },
  "template": {
    "file": "....",
    "template_type": "docx"
  },
  "output": {
    "output_encoding": "raw",
    "output_type": "docx"
  },
  "files": [
    {
      "filename": "file1",
      "data": [
        {
          "cust_first_name": "John",
          "cust_last_name": "Dulles",
          "cust_city": "Sterling"
        }
      ]
    }
  ]
}
```

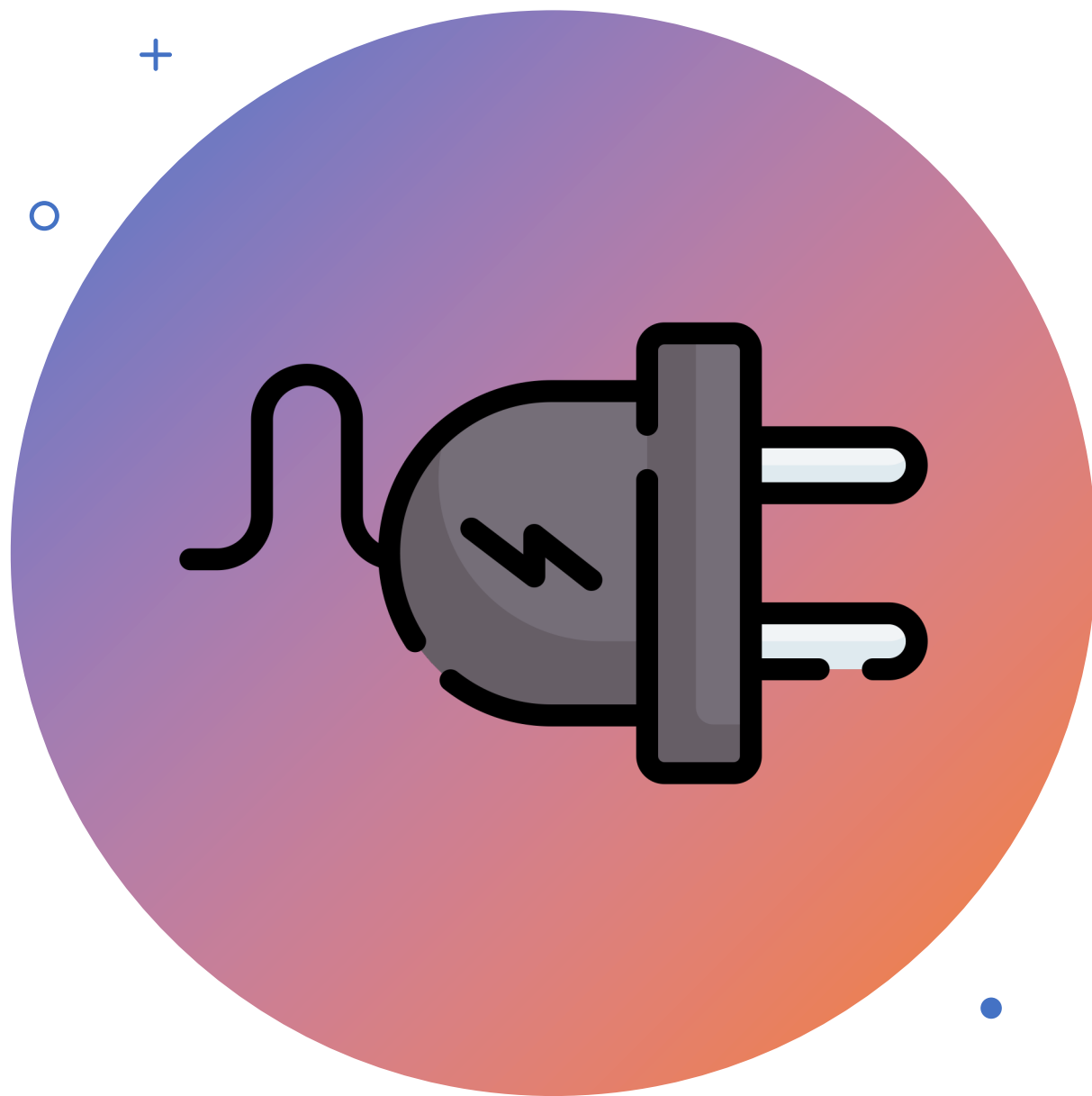
REST API

- At its core AOP is a RESTful service
- Receives JSON in a specific format containing all the data necessary to generate your document
- Simplest way to interact with the server
- Can be used from any technology

AOP_API_PKG
AOP_CONVERT_PKG
AOP_ERROR_PKG
AOP_LOG_PKG
AOP_PLSQL_PKG
AOP_SAMPLE_PKG
AOP_SETTINGS_PKG
AOP_TEST_PKG
AOP_USER_TEST_PKG

PL/SQL API

- Wrapper around the REST API
- Generates JSON
- Performs the REST call



APEX Plug-in

- Wrapper around the PL/SQL API specifically for APEX developers
- Dynamic action plug-ins
- Process plug-in
- Easy!

3 Simple Steps to Get Started



Create a template



Select the data



Choose your output

AOP Modal

(APEX Plugin - AOP 21.1)

AOP Download

Report Type

PDF

Excel

Word

HTML

Powerpoint

Template

Choose your template

Orders (hidden region): Word

Output To

Browser

Table

E-mail

DB Folder

When

Now

Scheduled

Background

Cancel

Go

Templates

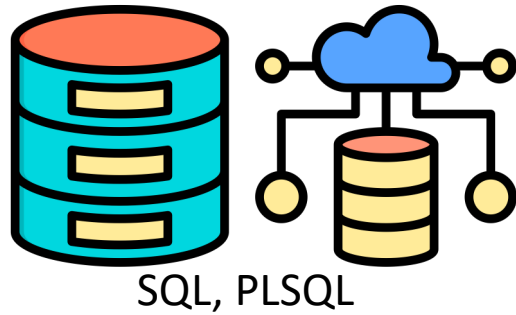


HTML

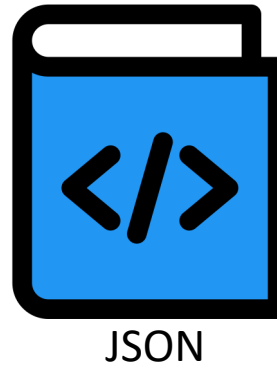


Data Sources

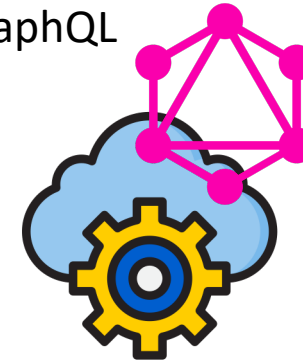
Local or Remote Databases



Web Sources



REST Webservices
GraphQL



APEX Regions



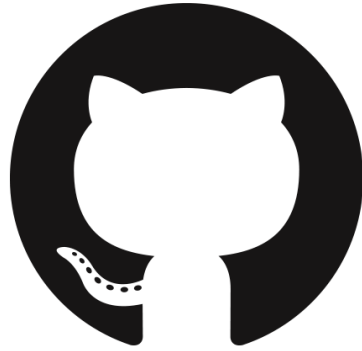
Classic Reports
Interactive Reports
Interactive Grids
Charts
Faceted Search
Calendars ...

Output



- Browser
- Procedure (save to db/email)
- Browser & Procedure
- Inline region
- Directory (AOP Server or DB)
- Cloud (Amazon S3, Dropbox, Google Drive, etc)

AOP Workshop



<https://github.com/dgielis/presentations>

Data, Templates & Tags



Name: {cust_first_name} {cust_last_name}

Location: {cust_city}

{#orders}{order_name}, Total: \${order_total}

Item	Quantity	Price
{#product}{product_name}	{quantity}	\${unit_price}/{/product}

{/orders}

```
1 select
2   'file1' as "filename",
3   cursor(
4     select
5       c.cust_first_name as "cust_first_name",
6       c.cust_last_name as "cust_last_name",
7       c.cust_city      as "cust_city",
8       cursor(
9         select o.order_total      as "order_total",
10              'Order ' || rownum as "order_name",
11              cursor(
12                select p.product_name as "product_name",
13                      i.quantity      as "quantity",
14                      i.unit_price    as "unit_price"
15                from demo_order_items i
16                     , demo_product_info p
17                where o.order_id = i.order_id
18                      and i.product_id = p.product_id
19              ) "product"
20            from demo_orders o
21            where c.customer_id = o.customer_id
22          ) "orders"
23      from demo_customers c
24      where customer_id = 1
25    ) as "data"
26  from dual
```

Data, Templates & Tags



Name: {cust_first_name} {cust_last_name}

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Data, Templates & Tags



united codes
APEX Office Print

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Data, Templates & Tags



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Data, Templates & Tags



united codes
APEX Office Print

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Location: {cust_city}

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Data, Templates & Tags

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{/orders}

Data, Templates & Tags



united codes
APEX Office Print

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24        where customer_id = 1
25      ) as "data"
26  from dual
```

Output

Name: John Dulles

Location: Sterling

Order 1, Total: \$2380

Item	Quantity	Price
Skirt	3	\$80
Ladies Shoes	2	\$120
Belt	2	\$30
Bag	4	\$125
Mens Shoes	2	\$110
Wallet	2	\$50
Business Shirt	3	\$50
Trousers	3	\$80
Jacket	3	\$150
Blouse	3	\$60

Output

Name: John Dulles

Location: Sterling

Order 1, Total: \$2380

Item	Quantity	Price
Skirt	3	\$80
Ladies Shoes	2	\$120
Belt	2	\$30
Bag	4	\$125
Mens Shoes	2	\$110
Wallet	2	\$50
Business Shirt	3	\$50
Trousers	3	\$80
Jacket	3	\$150
Blouse	3	\$60

Tag	Word	Excel	PowerPoint	HTML	Markdown	Txt	CSV
{data_string}	Yes	Yes	Yes	Yes	Yes	Yes	Yes
{data_string_with_cell_markup\$}	Yes	Yes	No	No	No	N.A	N.A
{-labels}	Yes	N.A	N.A	N.A	N.A	N.A	N.A
{_htmlcontent}	Yes	No	No	Yes (by default)	Yes (by default)	N.A	N.A
{!slide_loop}	N.A	N.A	Yes	N.A	N.A	N.A	N.A
{!excelshsht_loop}	N.A	Yes	N.A	N.A	N.A	N.A	N.A
{#data_loop} ... {/data_loop}	Yes	Yes	Yes	Yes	Yes	Yes	Yes
{:inline_data_loop} ... {/inline_data_loop}	No	No	No	No	No	No	Yes
{:data_loop_horizontal} ... {/data_loop_horizontal}	Yes	Yes	No	No	No	No	No
{=table_row_loop} ... {/table_row_loop}	N.A	N.A	Yes	N.A	N.A	N.A	N.A
{%imageKey}	Yes	Yes	Yes	Yes	Yes	N.A	N.A
{ barcode}	Yes	Yes	Yes	Yes	Yes	N.A	N.A
{ qrcode}	Yes	Yes	Yes	Yes	Yes	N.A	N.A
{\$chart}	Yes	Yes	Yes	No	No	N.A	N.A
{&interactive_report}	Yes	Yes	No	No	No	N.A	N.A
{&interactive_grid&}	Yes	Yes	No	No	No	N.A	N.A
{<rightToLeft}	Yes	Not Necessary	Not Necessary	Not Necessary	Not Necessary	N.A	N.A
{+footnote}	Yes	No	No	No	No	N.A	N.A
{*hyperlink}	Yes	Yes	Yes	Not Necessary	Not Necessary	N.A	N.A
{~}	Yes	N.A	N.A	N.A	N.A	N.A	N.A



Different Template Tags

AOP Sample Applications



united codes

APEX Office Print

Sample Applications

APEX Office Print comes with three custom sample applications to guide you through the process of printing and exporting your data in the format you want!

If you have any questions or would like more information, don't hesitate to contact us at support@apexofficeprint.com or visit us at our [website](#).



Sample Application

The AOP Sample Application explains how you can get started with AOP and shows many examples of how to use the AOP plug-in. Walk through the integration of AOP with APEX features like IR/IG, different data sources, etc and see how to use different features of AOP.



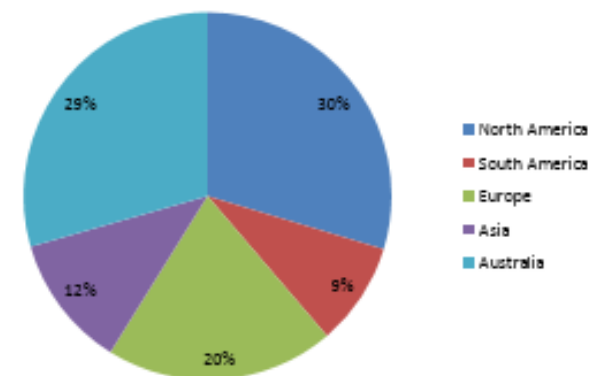
PDF Tools

If you need to create or process PDF documents, this app is for you! The PDF Tools sample application showcases all features revolving around the creating and manipulating PDFs in AOP.

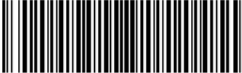


AOP Download & Subscription Manager

To showcase the power of our new AOP Modal plug-in, we've created the AOP Download & Subscription Manager application. Get inspired on ways to use the new plug-in, manage report schedules, custom templates, and monitor usage of the AOP Modal plug-in.



Category	Sales (in number of USD)
Motor vehicle & parts dealers	12,344
Urban constructions	38,659
Real estate renting	34,345
Agricultural activities	49,438
Transport services	12,133

Date: 11 August 2012		BILL OF LADING		Page: 1	
SHIP FROM					
Name: Pear Co.		Bill of Lading Number: 0000000000045812			
Address: Naamsestraat 689		 (402) 0000000000045812			
City/State/Zip: Leuven, Leuven, 3000					
SID#: FOB: ☐					
SHIP TO					
Name: Huli		CARRIER NAME:			
Address: Mandraki 21		Trailer number:			
City/State/Zip: Rodos, Rodos, 85100		Seal number(s):			
CID#: FOB: ☐		SCAC:			
Pro number: Pronumbertest					
THIRD PARTY FREIGHT CHARGES BILL TO:					
Name: Pear Co.		 (9012K) Pronumbertest			
Address: Naamsestraat 689					
City/State/Zip: Leuven, Leuven, 3000					
Freight Charge Terms: <i>(freight charges are prepaid unless marked otherwise)</i>					
Pre-paid: ☒ Collect: ☐ 3rd Party: ☐ ☐ (check box) Master Bill of Lading: with attached underlying Bills of Lading					
SPECIAL INSTRUCTIONS:					
CUSTOMER ORDER INFORMATION					
CUSTOMER ORDER NUMBER		# PKGS	WEIGHT	PALLET/SLIP (CIRCLE ONE)	ADDITIONAL SHIPPER INFO
1	2	20kg	Y	N	Only shipping on Monday. Only shipping on Tuesday.
2	4	15kg	Y	N	
GRAND TOTAL		0	7		
CARRIER INFORMATION					
HANDLING	PACKAGE	COMMODITY DESCRIPTION			LTL ONLY

PEAR CO.
11 August 2012

PACKING SLIP

Ship To			
Recipient	John Pear Co.	Order Date	11 August 2012
Address	Naamsestraat 689 Leuven, 3000, Belgium	Order Number	7
Phone	+3212345678	Purchase Order	45
Customer ID#	987654321		

Item #	Description	Unit Type	Order Quantity	Ship Quantity	Backorder Quantity
1	Umbrella	Type 1	2	2	10
2	Bag	Type 2	6	5	4
3	Trousers	Type 3	2	2	8
4	Shirt	Type 4	5	4	9

Comments: Backordered items will ship as they become available. Please contact the Customer Service department at [Phone] with any questions or concerns.

APEXOfficePrint

Printed on 12/08/2016



First Name: Bob	Client ID: 7862786279
Last Name: Johnson	Telephone: +328456386978

Order Name: Order 2, Order Total: 2380

Product Name	Quantity	Unit Price
Business Shirt	3	50
Trousers	3	80
Jacket	3	150
Blouse	3	60
Skirt	3	80
Ladies Shoes	2	120
Belt	2	30
Bag	4	125
Mens Shoes	2	110
Wallet	2	50

 Page 0000000109 Ref 000014 DONALD SCOTT ANDERSON 12715 AVENUE L LUMBERCK TN 37422	 Page 0000000112 Ref 000079 BRION B JACKSON 1209 N FM 179 SHALLUMOCKER TN 37422	 Page 0000000105 Ref 000020 BRUCE MICHAEL DAUGHER 1708 COUNTY RD 7700 LUMBERCK TN 37422
 Page 0000000107 Ref 000076 MICHAEL LAYNE GRABST P O BOX 1240 SHALLUMOCKER TN 37422	 Page 0000000109 Ref 000011 ZIMMERELLA DONNAQUEL 1127 WOODROW RD LUMBERCK TN 37422	 Page 0000000103 Ref 000021 BRANNA NICOLE HUNTER 130 N PONTIAC AVE LUMBERCK TN 37422
 Page 0000000102 Ref 000040 SHERRON GARCIE GENDER 10901 S AVENUE L LUMBERCK TN 37422	 Page 0000000100 Ref 000021 ALICE MICHELLE HENNING 8402 1ST ST LUMBERCK TN 37422	 Page 0000000106 Ref 000024 NICKA ROBERTS 10409 CR 2400 LUMBERCK TN 37422
 Page 0000000103 Ref 000075 DARRYL HOGUE 1300 N CR 1300 UNIT A LUMBERCK TN 37422	 Page 0000000099 Ref 000029 LINDSEY WILSON PERCE 1092 CR 7400 LUMBERCK TN 37422	 Page 0000000105 Ref 000024 VICTOR HENNING 11734 FM 4400 SHALLUMOCKER TN 37422
 Page 0000000100 Ref 000061 BARNABY RAE PERNA 1024 CR 7700 LUMBERCK TN 37422	 Page 0000000104 Ref 000060 DALISA ANKLEY JACKSON 1209 N FM 179 SHALLUMOCKER TN 37422	 Page 0000000098 Ref 000028 PEGGY DUNCAN JR 10401 CR 2400 LUMBERCK TN 37422
 Page 0000000099 Ref 000075 HANNAHAN PATRICK HENNING 11000 NCR 1300 SHALLUMOCKER TN 37422	 Page 0000000100 Ref 000027 JENNIFER ANDREA DALRY 11700 CR 1000 LUMBERCK TN 37422	 Page 0000000101 Ref 000024 CHRISTINA ANDREA HUNTER 10401 NCR 2400 LUMBERCK TN 37422
 Page 0000000102 Ref 000062 DALEY NICOLE DUNN 10417 CR 1000 LUMBERCK TN 37422	 Page 0000000101 Ref 000066 MICHAEL ROBERT HUFFMAN 8004 CR 4400 LUMBERCK TN 37422	 Page 0000000098 Ref 000020 NIKKI CLAYTON PERCE 1004 CR 7500 LUMBERCK TN 37422
 Page 0000000100 Ref 000070 BUCKLEY LEE HORTON 10402 FM 4070 LUMBERCK TN 37422	 Page 0000000104 Ref 000025 LARVA JEANNE PERMAN 10402 FM 40 LUMBERCK TN 37422	 Page 0000000100 Ref 000021 JEFF DANNIE HENNINGTON 8011 CR 4400 SHALLUMOCKER TN 37422
 Page 0000000102 Ref 000011 TERRY LORI HENNING 11700 CR 1000 LUMBERCK TN 37422	 Page 0000000100 Ref 000075 TERRY LORI HENNING 11700 CR 1000 SHALLUMOCKER TN 37422	 Page 0000000101 Ref 000064 CLAY LARSON DUTTON 10401 CR 7500 LUMBERCK TN 37422

APEX R&D bvba
Groeneweg 38
3001 HEVERLEE
Belgium
VAT Number BE0846210281



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00000000 00
0000000000 0000
000000
00000000 00000000

Estimate # AOP0002828
Estimate Date 16-JUL-2019
Estimate Total (EUR) 980.00

Item	Description	Unit cost	Quantity	Line total
	APEX Office Print - On Premise Gold Maintenance & Support Renewal 15-AUG-2019 through 14-AUG-2020	980.00	1	980.00
Subtotal				980.00
VAT				0.00
Estimate Total (EUR)				980.00

Reverse charge. Article 44 EU VAT Directive 2006/112/EC

Payments within 30 days. Terms of conditions: <https://www.apexrnd.be>

Bank: IBAN BE39 0016 7169 9919 - BIC GEBABEBB



Transfer Consulting BV
Stationsweg 19
4141 HB Leerdam
T 0345 - 616888
F 0345 - 616300
E info@transfer-solutions.com
www.transfer-solutions.com

TestMartijn
T.a.v. Crediteurenadministratie
Dorpstraat 1
4141HB LEERDAM

Proef

FACTUUR

Factuurdatum: 12-06-2019
Factuurnummer: 84122 (intern)
Contractnummer: C19057-V
Contactpersoon: Dhr. Martijn

Maandelijkse kosten conform opdracht C19057-V (mei 2019)

Kosten voor gebruik van product/dienst AM	€ 600,00
	€ 600,00
BTW 21%	€ 126,00
Totaal	€ 726,00

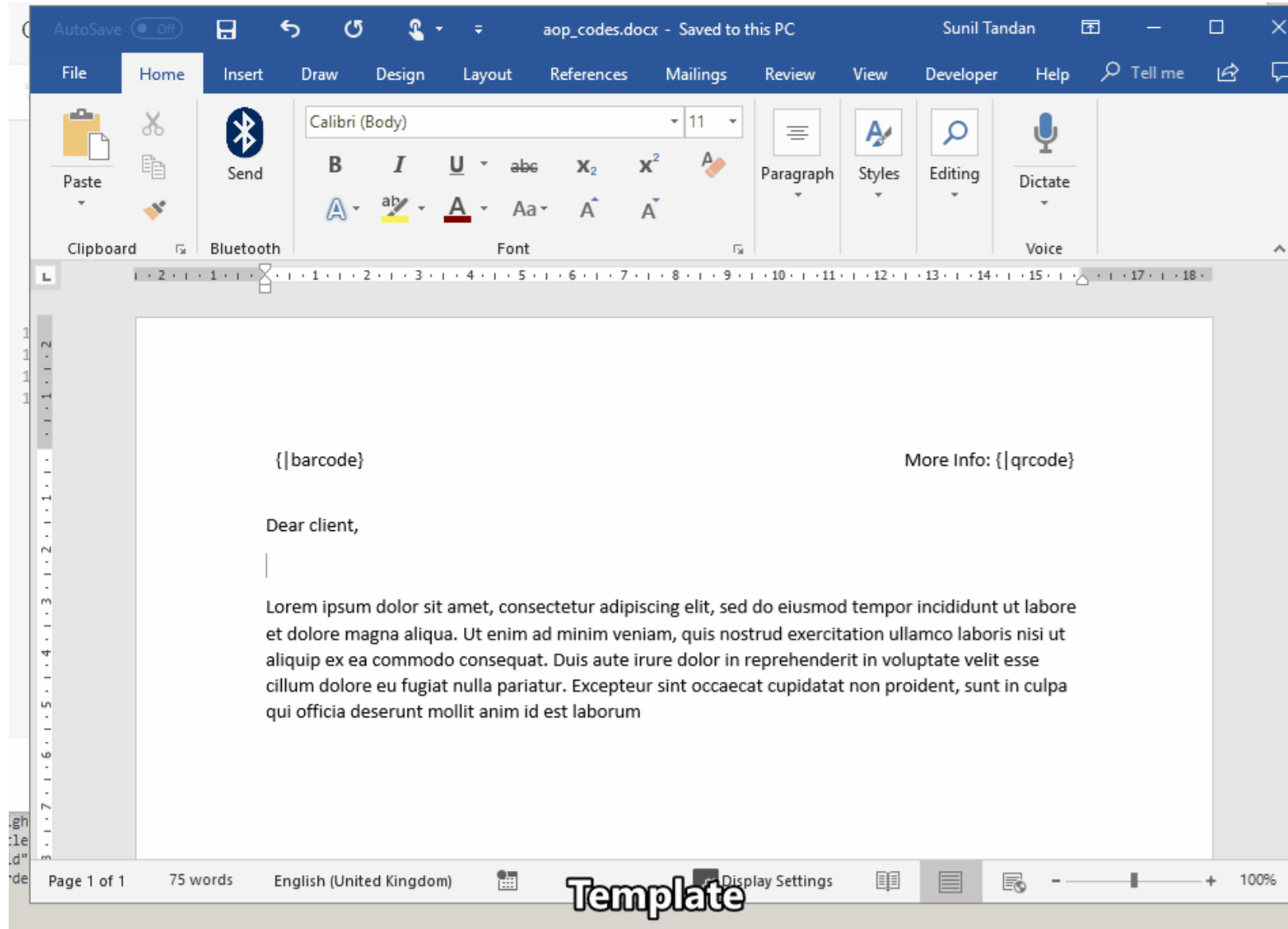
FEDERAL EMERGENCY MANAGEMENT AGENCY				
SITE SHEET				
SITE NUMBER		PW REF NO.		
{#h}{site}		{grant}		
APPLICANT			LAT.	
{applicant}			{lat}	
SITE COST				
Cost Description (Source of Cost Estimate)				
ITEM	CODE	NARRATIVE	QTY	UNIT
{#g}{#det}{det3}	{det4}	{det5}	{det6}	{det7}
			Estimated Site Total	
406 HAZARD MITIGATION PROPOSAL (SITE LEVEL)				
406 Hazard Mitigation Proposal Cost Description (Source of Cost Estimate)				
ITEM	CODE	NARRATIVE	QTY	UNIT
{#hmp}{hmp3}	{hmp4}	{hmp5}	{hmp6}	{hmp7}
			Proposed 406 HMP Site Total	
			Estimated Site Total (If 406 HMP Approved)	
Certified By:			Title:	Date:
I certify that the above information was transcribed from daily logs, vendor invoices, or other document which are available for audit.				

<

[illegible]

0000	0000	EQUIPMENT
0000	0000	MATERIAL
0000	0000	CONTRACT EQUIPMENT
0000	0000	CONTRACT COPIES
0000	0000	DIRECT ADMINISTRATION COSTS (ADMINISTRATIVE)
0000	0000	Deduct Cal-B (00000) Per 100, See 000-0000
0000	0000	Deduct Cal-B (00000) Per 100, See 000-0000
0010	0000	Deduct Cal-B (00000) Per 100, See 000-0000
0010	0000	ADDED TO BE COMPLETED
0010	0000	Paving based on contractor bid
400 HAZARD MITIGATION PROPOSAL (S)		
400 Hazard Mitigation Proposal Cost Description (Source of Cost Estimate)		
0000	0000	0000-0000
Estimate		
0000	0000	ADDED COMPLETED
0000	0000	LABOR
0000	0000	EQUIPMENT
0000	0000	MATERIAL
0000	0000	CONTRACT EQUIPMENT
0000	0000	CONTRACT COPIES
0000	0000	DIRECT ADMINISTRATION COSTS (ADMINISTRATIVE)
0000	0000	Deduct Cal-B (00000) Per 100, See 000-0000
0000	0000	Deduct Cal-B (00000) Per 100, See 000-0000
0010	0000	Deduct Cal-B (00000) Per 100, See 000-0000
0010	0000	ADDED TO BE COMPLETED
0010	0000	Paving based on contractor bid

[illegible]



Barcode and QR Code

US AMR 423 Budget Summary – 2020

Strategic Objective	Proposed projects to address gaps	New or Committed	Priority	2020 OSE (\$000s USD)
Articulate an impartial value story that secures high quality access for a clearly defined population	Development of Validated HbA1c Algorithm (Rutin Permanent)	Committed	1	\$150
	Remove 20k Non-Pharmaceutical Hb Intervention	New	1	\$100
	Sub-Total			\$250
Recognize global economic value AMR 423 across acute and chronic treatment settings (HbA1c, HbC2)	HbA1c Comparative Analysis of Efficacy and Safety Treatment Patterns and Outcomes among Medicare Beneficiaries	New	1	\$100
	Sub-Total			\$200
	Grand Total			\$1,050

{!product} {region} {product_name} Budget Summary – {year_1}

Strategic Objective	Proposed projects to address gaps	New or Committed	Priority	{year_1} OSE (\$000 USD)
{#prod_str}{strategic objective}	{=project}{project description}	{committed new}	{priority}	\${amount}{project}
	Sub-Total			\${ose}/{product}
	Grand Total			\${total}

Word File Edit View Insert Format Tools Table Window Help

aop_jet_d02

Search in Document

Home Insert Design Layout References Mailings Review View

Calibri (Body) 12 A A A A

B I U abc X₂ X²

AaBbCcDdEe Normal AaBbCcDdEe No Spacing AaBbCcDc Heading 1 AaBbCcDdEe Heading 2 AaBbC Title AaBbCcDdEe Subtitle AaBbCcDdEe Subtle Emph... AaBbCcDdEe Emphasis AaBbCcDdEe Intense Emp... AaBbCcDdEe Strong

Paste

Styles Pane

Size 62 KB

Oracle Application Express (APEX): Printing JET Charts

Here's my custom JET Chart straight from APEX by using APEX Office Print:

{%combo1_jet}

Welcome back!

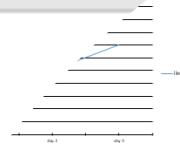
Page 1 of 2 28 Words English (US)

120%

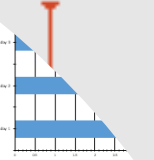
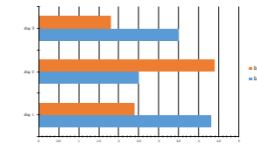
JET Charts

{!charts}
{name}

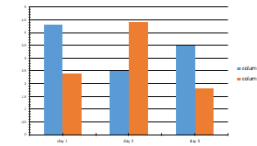
{Schart}



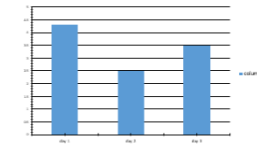
AOP Chart Example 3: Multiple bars



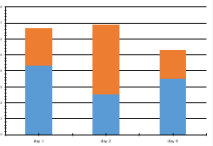
AOP Chart Example 7: Multiple columns



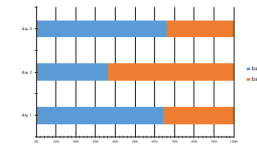
AOP Chart Example 8: Single column



AOP Chart Example 9: Column



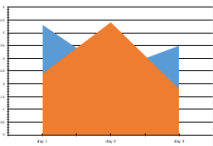
AOP Chart Example 12: Bar Stacked Percent



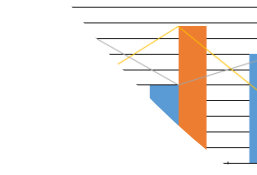
AOP Chart Example 13: Radar Chart



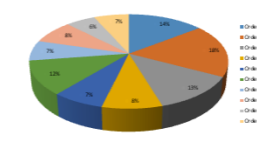
AOP Chart Example 14: Multiple

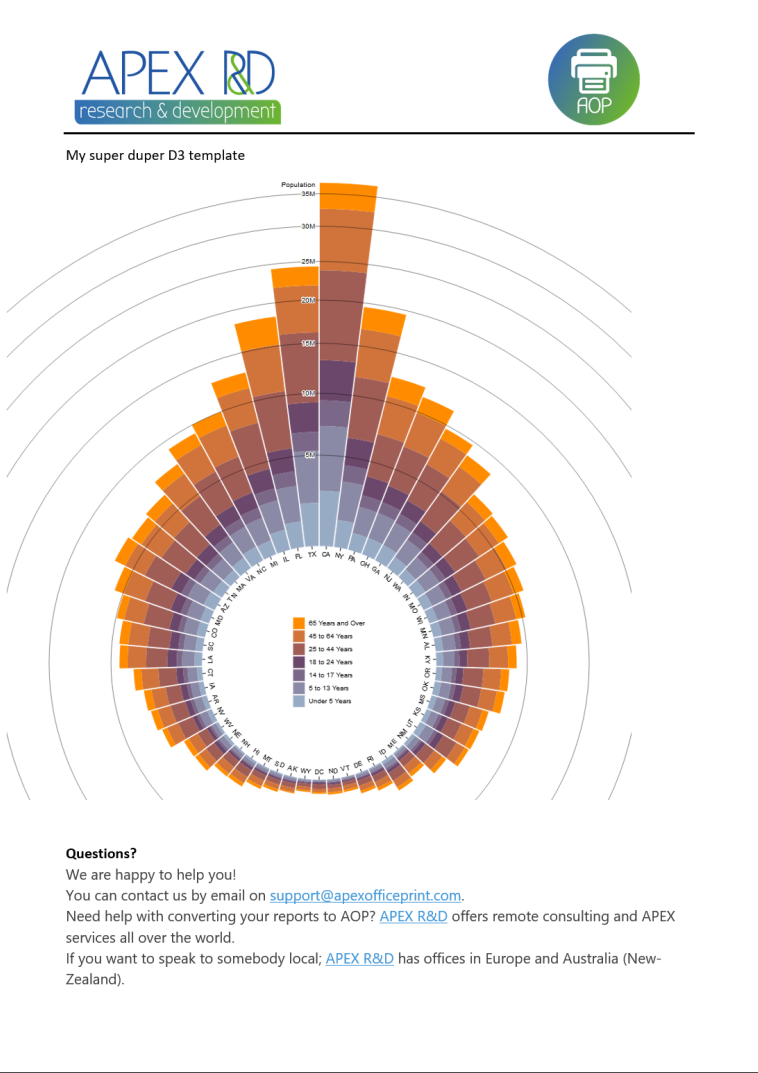
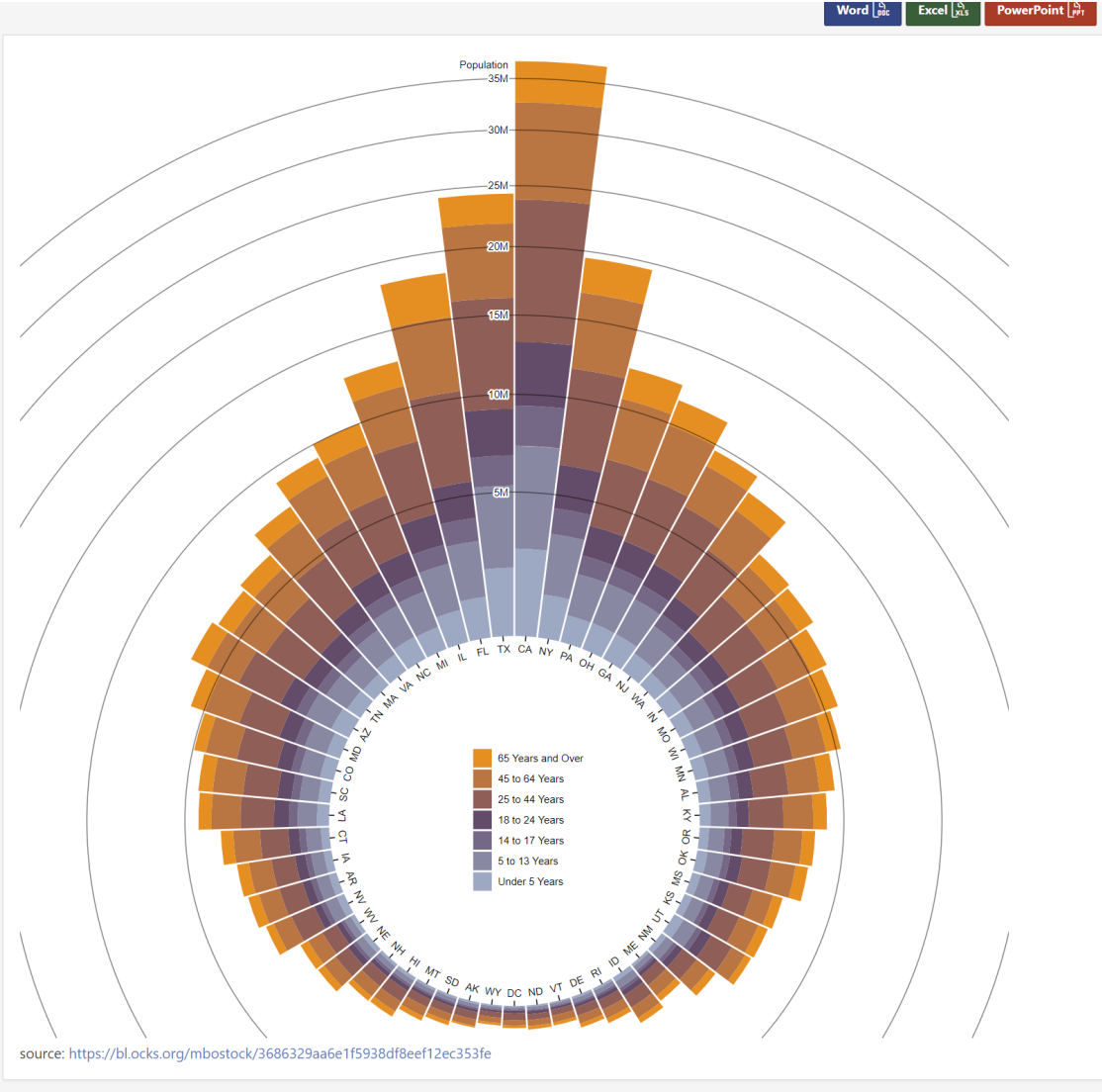


AOP Chart Example 17: Combining



AOP Chart Example 18: 3D Pie







{?CALENDAR cal}

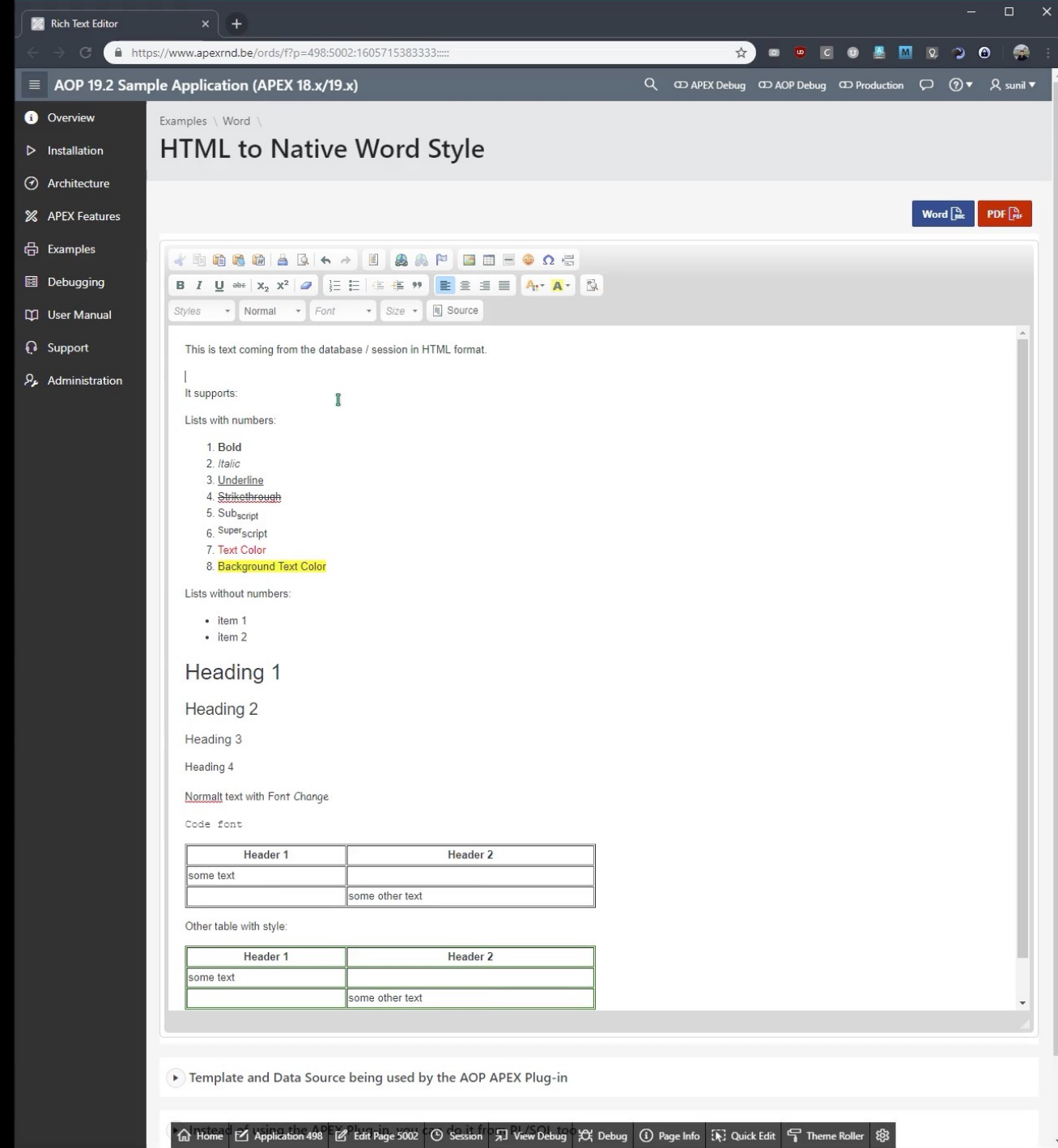
Home Varsity Athletic Events
{cal.settings[0].months}

Home Varsity Athletic Events
September 2019

September 2019

Mon	Tue	Wed	Thu	Fri	Sat	Sun
						1
2	3	4 7:00P W V Soccer vs. Quinnipiac	5	6 7:00P W V Volleyball Harvard Invitational vs. Sacred Heart	7 1:00P W V Volleyball Harvard Invitational vs. Colgate 7:00P W V Volleyball Harvard Invitational vs. URI	8 10:00A M V Water Polo Cal Lutheran 1:00P W V Soccer vs. Northwestern 2:15P M V Water Polo McKendree
9 7:00P W V Soccer vs. UMass Amherst	10	11	12 4:00P V Field Hockey vs. Stanford	13 3:00P W V Soccer vs. San Francisco	14	15
16	17 7:00P W V Volleyball vs. Boston College 7:00P W V Soccer vs. UMass Lowell	18	19	20 7:00A W V Tennis Fall Classic (BU, BC, Buffalo, UMass, Brown) 7:00A W V Tennis Fall Classic (BU, BC, Buffalo, UMass, Brown)	21 -TBA- W V Rugby vs. Dartmouth 7:00A W V Tennis Fall Classic (BU, BC, Buffalo, UMass, Brown) 7:00A W V Tennis Fall Classic (BU, BC, Buffalo, UMass, Brown) 2:00P W V Soccer vs. LIU 2:00P W V Volleyball vs. Syracuse	22 7:00A W V Tennis Fall Classic (BU, BC, Buffalo, UMass, Brown) 7:00A W V Tennis Fall Classic (BU, BC, Buffalo, UMass, Brown) 1:00P V Field Hockey vs. Maine
23 7:00P M V Soccer vs. Merrimack	24	25	26	27 7:00P V Football vs. Brown	28 2:00P W V Soccer vs. Penn 5:00P W V Volleyball vs. Dartmouth	29 2:00P V Field Hockey vs. UNH
30						

Calendar



HTML
to Word

PowerPoint Native Office Charts

https://www.apexrnd.be/ords/?p=498:5015:13365150404352:NO::AOP_MODE&cs=3hLyUEpuKSNF7eFGClF5PIF9N...

AOP 19.2 Sample Application (APEX 18.x/19.x)

Overview

Installation

Architecture

APEX Features

Examples

Debugging

User Manual

Support

Administration

Examples \ PowerPoint \

Native Office Charts

PowerPoint

AOP is able to generate native office charts that you can further manipulate by opening the output unlike JET charts where a screenshot is taken. It is also possible to dynamically change the layout of the chart. The default options for the native charts are as follows:

```
defaultOptions = {
  width: 5486400 / 9525, // width of the chart
  height: 3200400 / 9525, // height of the chart
  grid: true, // if a grid should be shown
  border: true, // if a border should be shown
  title: false,
  legend: {
    showLegend: true, // if the legend should be shown
    position: 'r' // 'l' for left, 'r' right, 'b' bottom, 't' top
  },
  axis: {
    x: {
      orientation: 'minMax', // or "maxMin"
      min: undefined, // a specific number
      max: undefined, // a specific number
      type: undefined, // or "date"
      date: { //date options
        format: 'unix',
        code: 'mm/yy',
        unit: 'months',
        step: '1'
      },
    },
    showValues: true //options to disable showing the values in axis
  },
  y: {
    orientation: 'minMax',
    mix: undefined,
    max: undefined,
    showValues: true // options to disable showing the values in axis
  },
  y2: { //If using multiple charts and axis on the right side
    orientation: 'minMax',
    mix: undefined,
    max: undefined,
    showValues: true // options to disable showing the values in axis
  }
}
```

It is also possible to generate multiple series chart. More info can be found on page 5004 . The tag used in Word, Excel and Powerpoint are the same and the structure is the same to generate native office charts.

Column Chart

{ \$column_chart }

Bar Chart

{ \$bar_chart }

1

2

Home

Application 498

Edit Page 5015

Session

View Debug

Debug

Page Info

Quick Edit

Theme Roller

Template and Data Types

Examples \

Template and Data Types

Word

URL
https://docs.google.com/document/d/1aGyfC9-nthwDQ4kVWgl3afNa1eLjJL-iiByDXX1ool/edit?usp=sharing

Different Template Types

AOP Template	AOP Template: will generate a Word document with a starting template based on the data (JSON) that is submitted. Documentation is also added on the next page(s) that describe the functions AOP will understand.
Static Application Files	Enter the filename of the file uploaded to your Shared Components > Static Application Files e.g. aop_template_d01.docx
Static Workspace Files	Enter the filename of the file uploaded to your Shared Components > Static Workspace Files e.g. aop_template_d01.docx
SQL	Query that returns two columns: template_type and file (in this order) - template_type: docx,xlsx,pptx - file: blob column
PL/SQL Function (returning SQL)	Enter a PL/SQL procedure that returns a select statement with two columns: template_type and file (in this order) - template_type: docx, xlsx, pptx, html, md - file: blob column Note that you can use bind variables e.g. :PXX_ITEM.
PL/SQL Function (returning JSON)	Return JSON object with following format: <pre>{ "file": "clob base 64 data", "template_type": "docx,xlsx,pptx"}</pre>
Filename (with path relative to AO...	Enter the path and filename of the template which is stored on the same server AOP is running at.
URL (call from DB)	Enter the url to your template in docx, xlsx or pptx. e.g. http://apexofficeprint.com/templates/aop_template_d01.docx This call is done from the database, so the database server needs to have access to the url.
URL (call from AOP)	Enter the url to your template in docx, xlsx or pptx. e.g. https://www.apexofficeprint.com/templates/aop_template_d01.docx This call is done from AOP, so the AOP server needs to have access to the url.

AOP URL Template Source

Search Google or type a URL

Google

Search Google or type a URL

VRT NWS

Facebook

YouTube

Editor

Editor

Engadget

Slashdot

Application Exp...

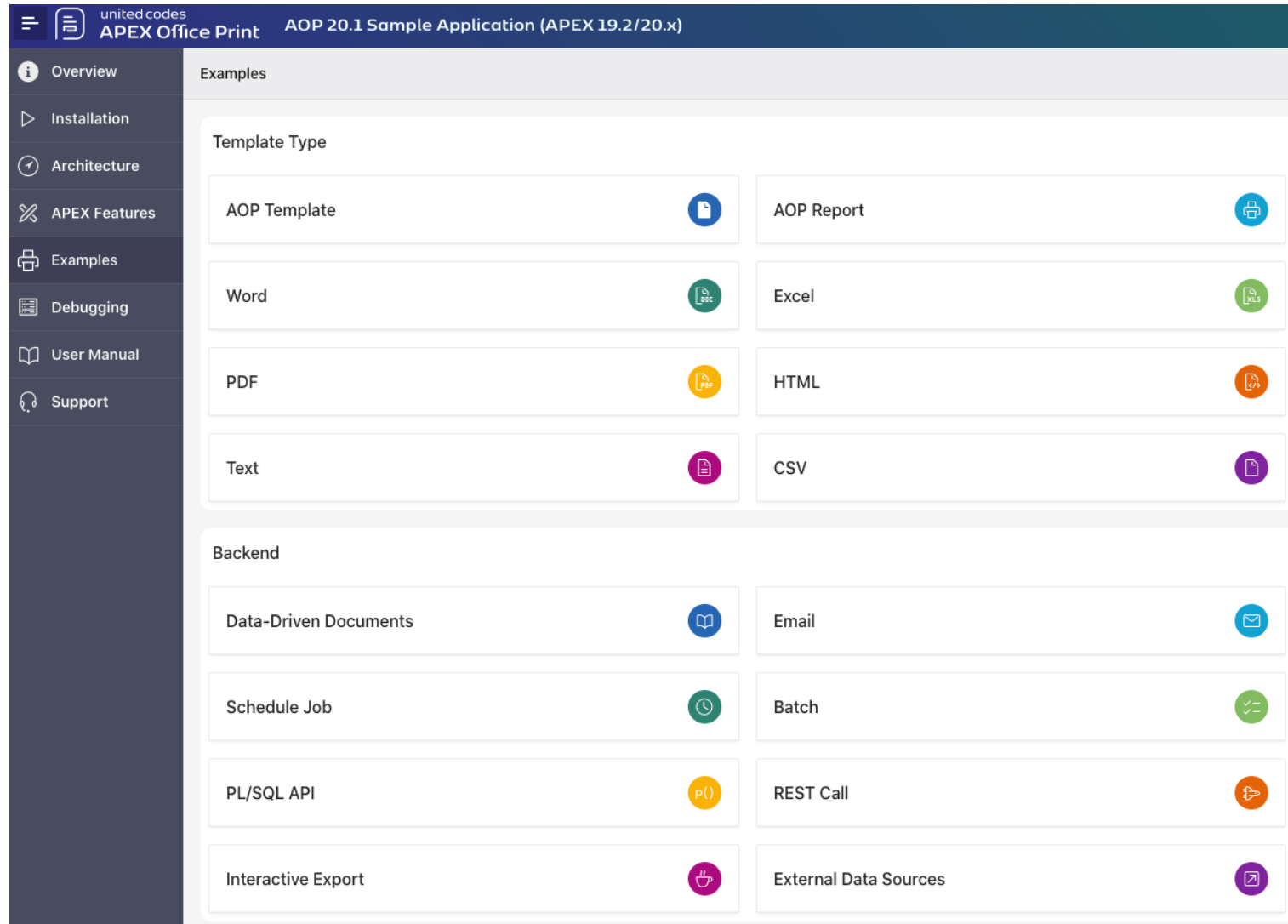
APEX Office Pri...

Add shortcut

URL as Template

AOP Sample Application

- Download to install in your own workspace or use the online version apexofficeprint.com
- Hundreds of examples
- It's an APEX application – install it and look behind the scenes how things are done



AOP Server Web Editor



APEX Office Print
Web Editor v21.1

Documentation

Logging

Drop exported JSON

Drop your JSON here

Composer

Load sampleClear

Files / Templates	Data	Check JSON
-------------------	------	------------

Drag in all required files

Prepend files

Drop your prepend files here
Supported file types: pdf, docx, docm, xlsx, pptx, pptm, html, md, txt, gif, jpeg, jpg, png, svg, webp, bmp, msbmq

Template

Add HTMLAdd Markdown

Drop your template here
Supported file types: docx, docm, xlsx, pptx, pptm, html, md, txt, csv

Subtemplates

Drop your subtemplates here
Supported file types: docx

Append files

Drop your append files here
Supported file types: pdf, docx, docm, xlsx, pptx, pptm, html, md, txt, gif, jpeg, jpg, png, svg, webp, bmp, msbmq

File cache

Temporarily store files here to drag them to the left later

Drop your templates or other files here

Output

PDF (pdf)Server URL (or empty for webeditor url)

Process

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Questions?



APEX Office Print