

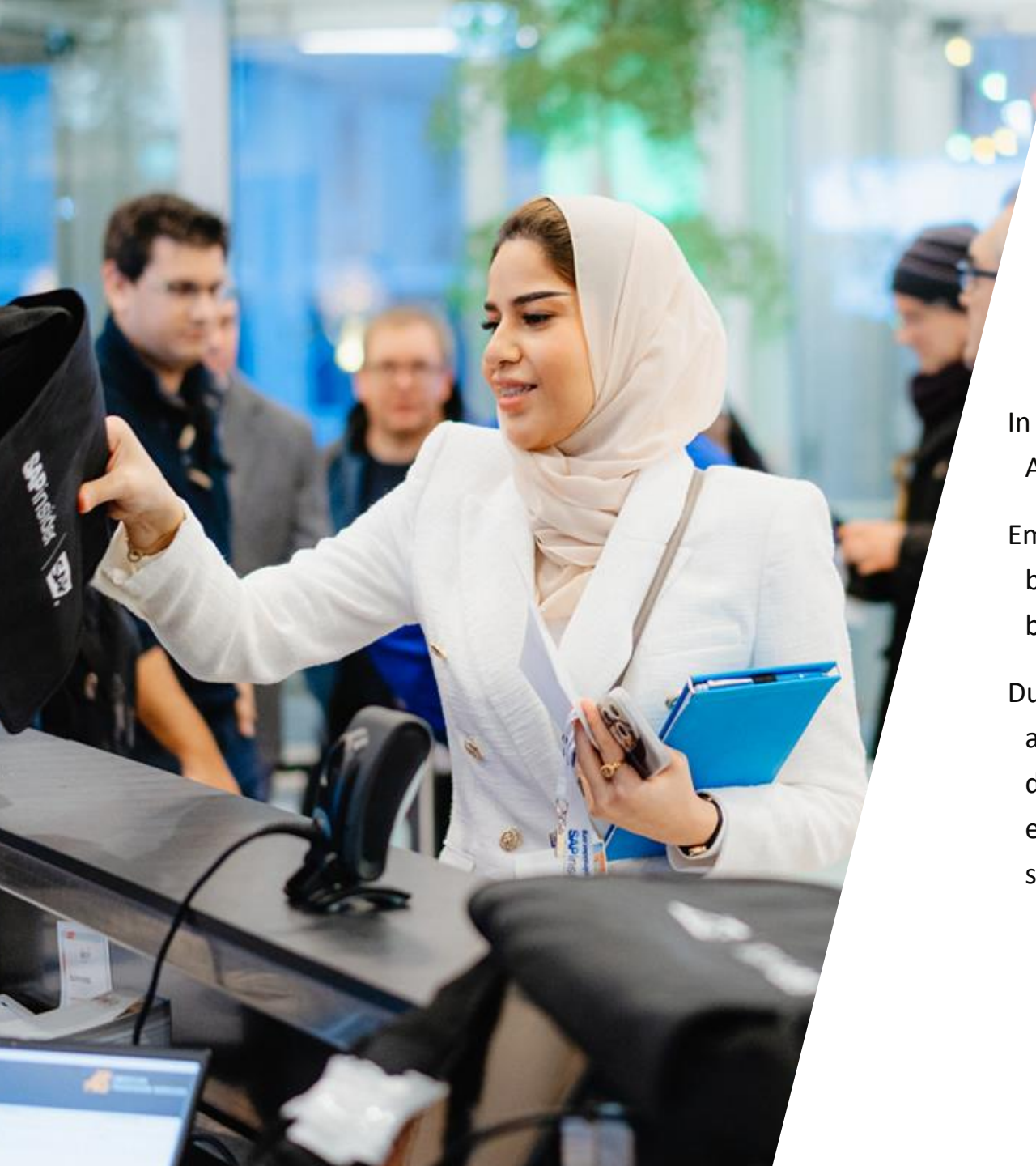
Training Lab: SAP Analytics Cloud: Advanced Reporting using App Designer

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Las Vegas

2024

SAPinsider



In This Session

In this Lab, we will cover some basics of SAP Analytics Cloud - Analytical Application Designer to jump start your report creation.

Empowering end users with the tools to customize reports effortlessly eliminates bottlenecks and reduces the number of requests to IT or report specialist to build new reports.

During this session, we will guide you through the process of implementing advanced reporting options, including checkboxes, interactive text boxes, dynamic filters, and other functionalities. Elevate your report-building experience by leveraging the extensive library of assets offered in the Optimized story view.

What We'll Cover

- Introductions
- What is Application Designer?
- Dynamic Cross Tab Application
- New Hire Application
- Hand-On Training
- Wrap-Up



Introductions

- Presenter and Support Introductions

Presenter and Supporters



- **Evgueni Kovalenko**
Sr Consultant



- **Jhanvi Patel**
Principal Solutions
Advisor



- **Dan Skiendziel**
Sr Director and
Client Partner



SimpleFi Solutions Website



What is Application Designer?

- Application Designer Overview

SAP Analytics Cloud – Application Designer

The Analytics Designer offers a software development environment, empowering developers to enhance a few elements of an existing Story or outright build an entirely custom experience to the users, while ensuring an existing process is followed.

Through the Scripting functionalities, the App Designer can help you improve visualizations, control interactions, and tap into SAC native functionalities via scripts.

The screenshot displays the SAP Analytics Cloud Application Designer interface. The top bar shows the 'Planifit' logo and the title 'New Employee App - End File'. The left sidebar contains a navigation menu with sections like 'Assets', 'Story', 'Global Settings', 'Navigation', 'Filter Panel', 'Bookmarks', 'Pages', 'Scripting', 'Script Variables', 'Script Objects', and 'SO'. The main workspace is divided into two panels. The left panel, titled 'Add New Employee Form', contains a form with fields for 'Employee ID', 'Position', 'Country', 'Region', 'Entity', 'Cost Center', 'Car Allowance', 'Cell Allowance', 'Start Month', 'End Month', and 'Headcount'. The right panel, titled 'Comp_SAPInsider', displays a table with columns 'Comp_EE', 'Comp_CtryRegion', and 'Comp_Entity'. The table contains data for various employees, including Maria Edwards, Jason Mayer, Joseph Kaufman, Brandon Mckenzie, Tom Lee, Katherine Conrad, Jasmine Burlington, David Ho, and Georgia Lee. A 'Styling' panel is open on the right, showing options for 'Page', 'Generic Properties', 'Canvas', 'Grid', and 'Canvas Size'.

Comp_EE	Comp_CtryRegion	Comp_Entity
▼ Total Employees	> Total Location	> BestRun Corporation
Maria Edwards	> Total Location	> BestRun Corporation
Jason Mayer	> Total Location	> BestRun Corporation
Joseph Kaufman	> Total Location	> BestRun Corporation
Brandon Mckenzie	> Total Location	> BestRun Corporation
Tom Lee	> Total Location	> BestRun Corporation
Katherine Conrad	> Total Location	> BestRun Corporation
Jasmine Burlington	> Total Location	> BestRun Corporation
David Ho	> Total Location	> BestRun Corporation
Georgia Lee	> Total Location	> BestRun Corporation

Hands on Exercise

Dynamic Cross Tab Application



Dynamic Cross Tab Application

A cross tab application is the perfect tool for users that would like a simple slice and dice cross-tab without the need to know how to use a data analyzer or technical knowledge of how to build stories in SAC.

File Edit Tools Display { } 🔍 ↺ ↻ ⌂ ⌕ < 2 / 2 > 🔄

Instructions Canvas

Any by Any App

Measures

Set Selected Remove All Set All

☒ Gross Margin Plan

☒ Original Sales Price Plan

☒ Quantity sold Plan

Dimensions

Columns Remove

☐ Account

Rows Remove

☐ Product_3e315003an

Available Fields

Add Row Add Column

☐ Currency

☐ Time

☐ Location

☐ Sales Manager

Product

☒ Product

☒ All

☐ Apple Juice

☒ Best Selling

☒ Medium-Selling

BestRun_Advanced

in Thousand

Account	Gross Margin Plan	Original Sales Price Plan	Quantity sold Plan	Gross Margin	Original Sales Price	Quantity sold	Gross Margin abs Dev	Gross Margin % Dev	Original Sales Price abs Dev	Original Sales Price % Dev	Quantity sold abs Dev	Quantity sold % Dev
Product												
Best Selling	\$113,940	\$649,016	\$76,290	\$117,686	\$632,223	\$73,304	\$3,746	3.29%	-\$16,793	0	-\$2,986.25	-3.91%
Coca-Cola	\$3,156	\$6,445	\$2,804	\$2,461	\$7,067	\$2,623	-\$696	-22.05%	\$622	0	-\$180.78	-6.45%
Orange with pulp	\$107,432	\$629,239	\$69,273	\$112,059	\$612,050	\$66,240	\$4,627	4.31%	-\$17,189	0	-\$3,033.26	-4.38%
Mango Juice	\$380	\$2,268	\$687	\$483	\$2,037	\$642	\$103	27.24%	-\$231	0	-\$44.79	-6.52%
Pineapple Juice	\$1,960	\$7,524	\$2,355	\$1,893	\$7,588	\$2,657	-\$67	-3.41%	\$64	0	\$301.64	12.81%
Strawberry Juice	\$1,012	\$3,540	\$1,171	\$790	\$3,481	\$1,142	-\$222	-21.95%	-\$59	0	-\$29.06	-2.48%
Medium-Selling	\$10,600	\$58,392	\$9,359	\$11,049	\$57,800	\$9,644	\$449	4.24%	-\$592	0	\$285.18	3.05%
Orange no pulp	\$626	\$3,252	\$1,025	\$637	\$3,388	\$920	\$11	1.76%	\$137	0	-\$104.59	-10.21%
Apple Cider	\$6,877	\$34,679	\$3,477	\$6,699	\$35,558	\$3,551	-\$178	-2.59%	\$879	0	\$73.74	2.12%
Pomegranate	\$2,942	\$19,539	\$4,602	\$3,565	\$17,888	\$4,924	\$622	21.15%	-\$1,652	0	\$322.28	7.00%
Coconut Water	\$154	\$921	\$255	\$148	\$965	\$248	-\$6	-3.98%	\$44	0	-\$6.25	-2.46%
Worse Products	\$13,482	\$71,650	\$23,235	\$15,700	\$67,209	\$20,724	\$2,218	16.45%	-\$4,440	0	-\$2,510.71	-10.81%
Lemonade	\$7,182	\$34,904	\$10,384	\$7,283	\$31,350	\$9,106	\$101	1.41%	-\$3,554	0	-\$1,277.61	-12.30%
Watermelon Juice	\$3,215	\$20,984	\$6,127	\$3,310	\$19,651	\$5,408	\$95	2.95%	-\$1,333	0	-\$719.03	-11.74%
Pepsi	\$3,085	\$15,761	\$6,725	\$5,107	\$16,209	\$6,210	\$2,022	65.55%	\$447	0	-\$514.07	-7.64%

Hands-On Exercise

New Hires Application



New Hire Application

The New Hire app is a nice addition to your HR Planning Process that help planners efficiently add new position and assumptions related to those new positions. The app can also leverage properties of various dimension and allow to build logic on them.

The status quo would be to manually create master data by an admin and adding New Hires one by one, while ensuring that the table in place is built well enough to support a business scenario.

Menu icon

SAP

Stories

End File - SimpleFi SAP Insider ...

Star icon

Close icon

File

Edit

Tools

Display

Publish Data

Page_1

1 / 1

Add New Employee

Employee ID

999000000

Position

P0101 A1 - General...

Cost Center Selection

Country

Region

Entity

Cost Center

Input Parameters

Car Allowance

☐

Cell Allowance

☐

Start Month

1

End Month

0

Headcount

1

Planning Period for records: 2023 Period 1

Create New Employee

Comp_SAPInsider

Table Information

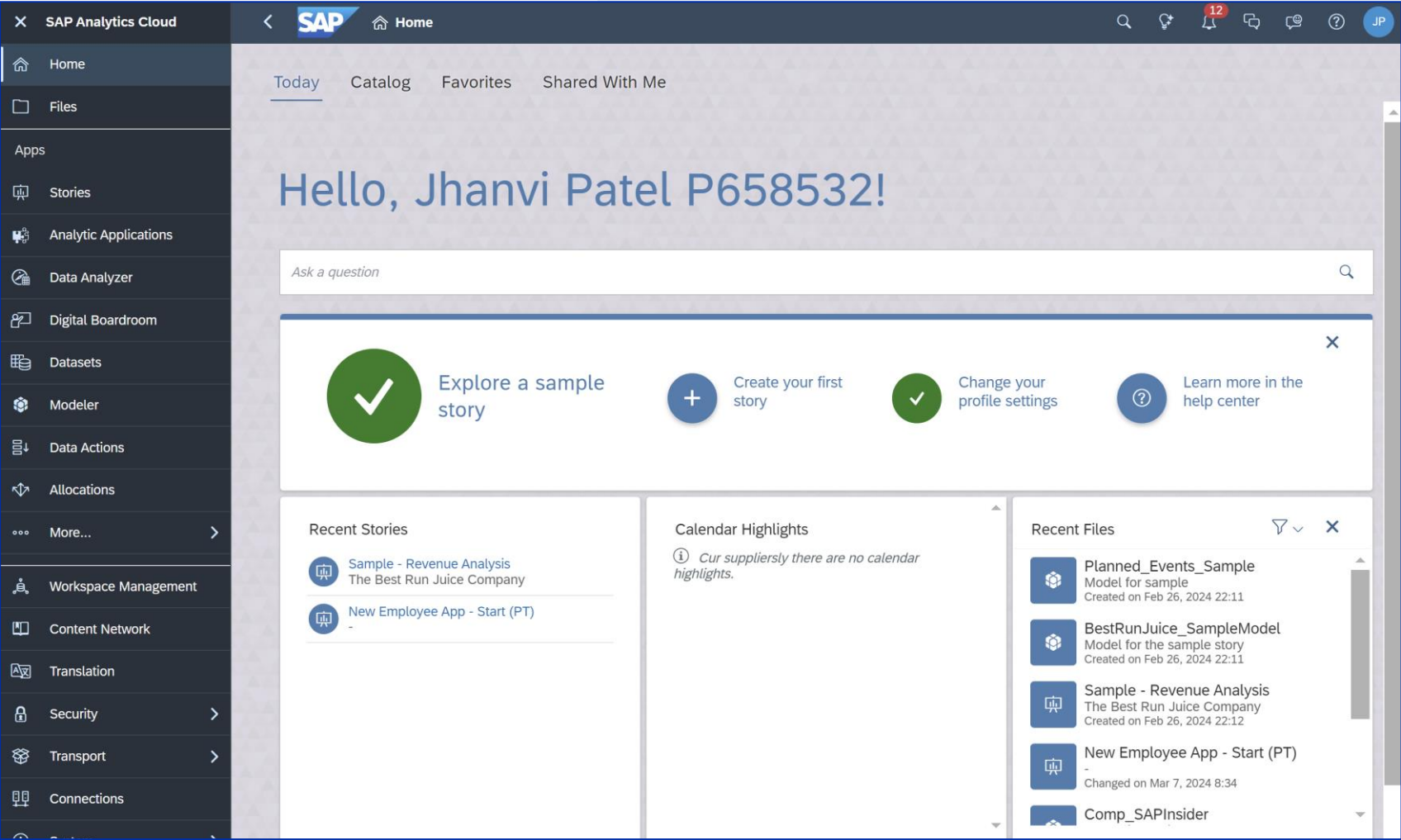
			Measures	Value	
			Version	Plan	
			Date	Jan (2023)	
	Comp_Act		Car Allowance	Cell phone	FTE sys ca
Comp_EE	Comp_CtryRegion	Comp_Entity			
▼ Total Employees	> Total Location	> BestRun Corporation	–	–	54.00000
King, Peter	> Total Location	> BestRun Corporation	–	–	1.00000
Hornaday, Ann	> Total Location	> BestRun Corporation	–	–	1.00000
Simers, TJ	> Total Location	> BestRun Corporation	–	–	1.00000
Duncan, Jean	> Total Location	> BestRun Corporation	–	–	1.00000
Finebaum, Paul	> Total Location	> BestRun Corporation	–	–	1.00000
Lawrence, Ryan	> Total Location	> BestRun Corporation	–	–	1.00000
Poole, Jessica	▼ Total Location	▼ BestRun Corporation	–	–	1.00000
		▼ North America	–	–	1.00000
		East US	–	–	1.00000

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Demonstration & Hands-On Exercises

Time to log on to your SAC space



Wrap Up

- Where to Find More Information
- Key Points to Take Home

Where to Find More Information

https://help.sap.com/docs/SAP_ANALYTICS_CLOUD

After exploring this main SAP Analytics Cloud page, follow the link in “*Welcome to the SAP Analytics Cloud Help*” to go straight to the Help Topics.

<https://d.dam.sap.com/a/3Y16uka>

Developer Handbook

<https://help.sap.com/doc/958d4c11261f42e992e8d01a4c0dde25/release/en-US/index.html>

API Guide

Key Points to Take Home

- SAC offers an environment that helps to enhance your current stories, facilitate to adapt your processes
- Key Features and capabilities:
 - Access to data and master data of a model
 - Can write back into the model (data & master data)
 - Ability to build tables dynamically
 - Ability to store reusable scripts
 - Leverage one dimension to filter another one

Thank you! Any Questions?

Evgueni Kovalenko

Sr Consultant Planning, Analytics &
Consolidations



Please remember to complete
your session evaluation.

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