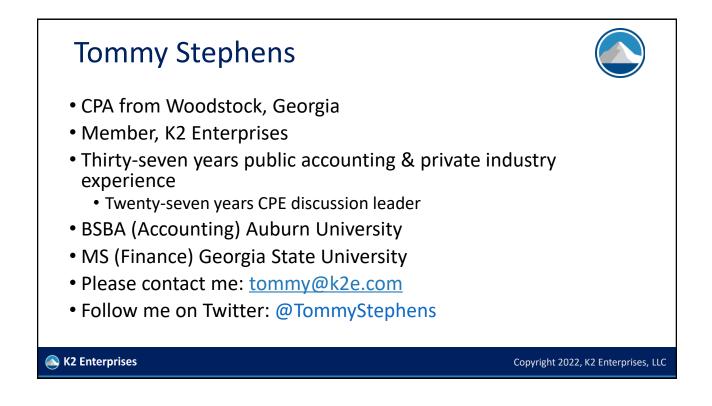


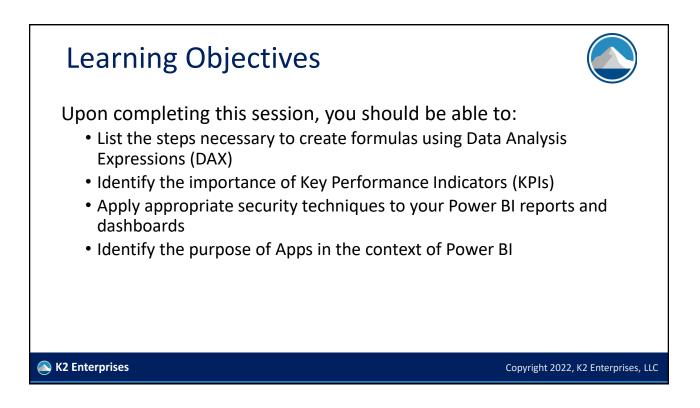
K2's Advanced Topics In Power BI





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BUT FIRST, IT'S ALWAYS ABOUT THE DATASET!

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"Fact" Tables And "Dim" Tables



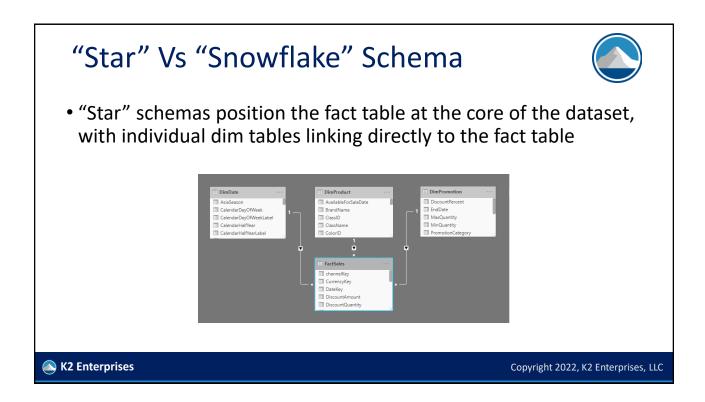
- You should seek to construct your dim tables so that they contain as few columns as necessary to accomplish you mission
- If you mix dissimilar information in the same dim table, it will become increasingly difficult to manage your data models
- Let's see the example on the following slide...

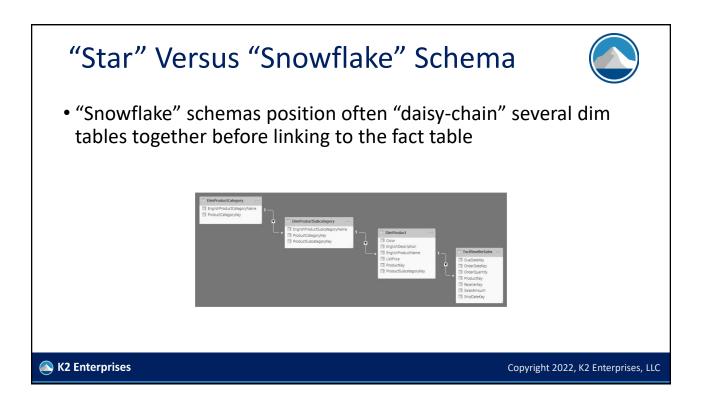
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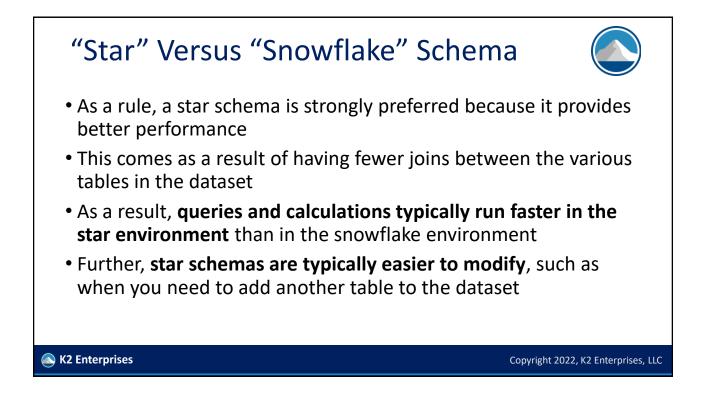
"Fact" Tables And "Dim" Tables							
Account Number	Account Name	Department ID	Department Name		Account Num	per Account Name	
6010	Advertising Expense	10	Retail			5010 Advertising Expense	
6010	Advertising Expense	20	Wholesale			5020 Amortization Expense	
6010	Advertising Expense	30	OEM			5030 Bad Debt Expense	
6010	Advertising Expense	40	Corporate		_		
6020	Amortization Expense	10	Retail		L L	epartment ID Departmen	t Name
6020	Amortization Expense	20	Wholesale			10 Retail	
6020	Amortization Expense	30	OEM			20 Wholesale	
6020	Amortization Expense	40	Corporate			30 OEM	
6030	Bad Debt Expense	10	Retail			40 Corporate	
6030	Bad Debt Expense	20	Wholesale				
6030	Bad Debt Expense	30	OEM				
6030	Bad Debt Expense	40	Corporate				

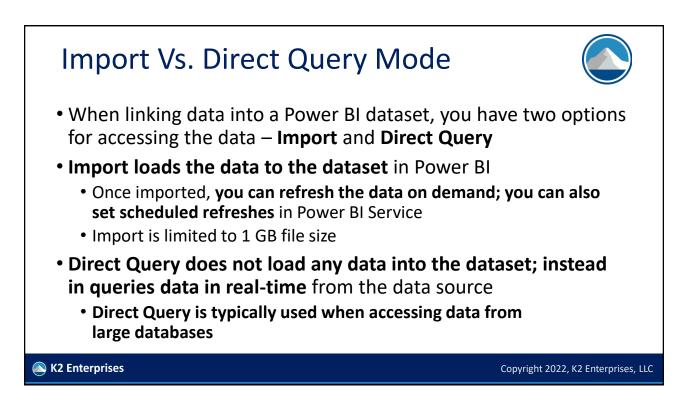
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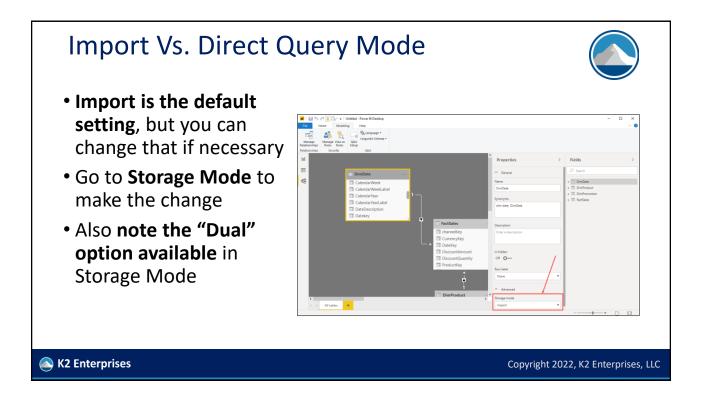
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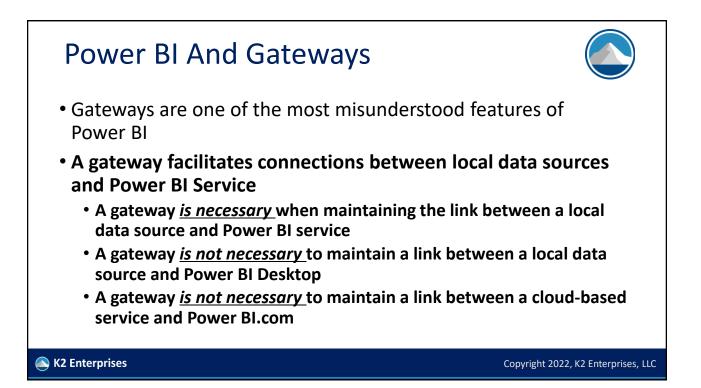


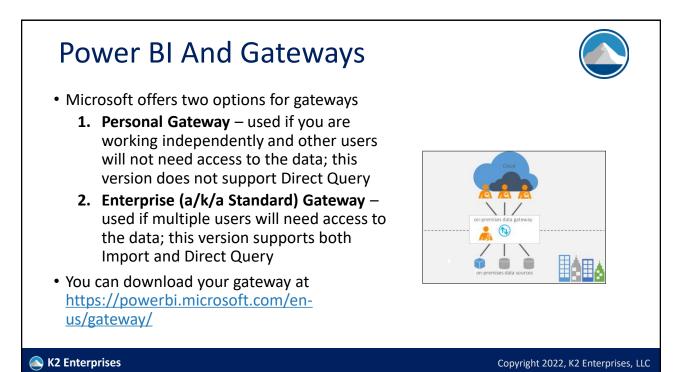




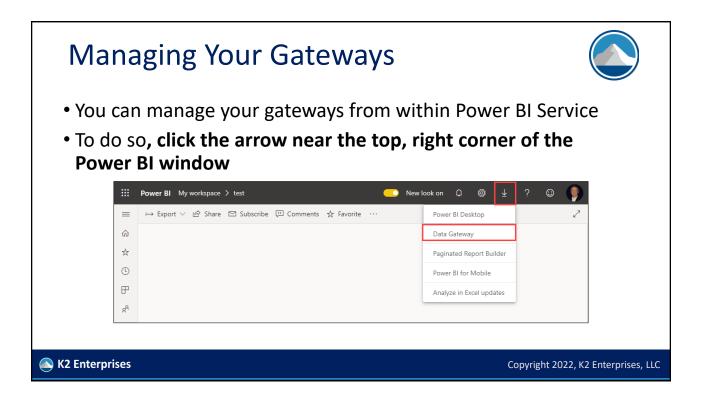


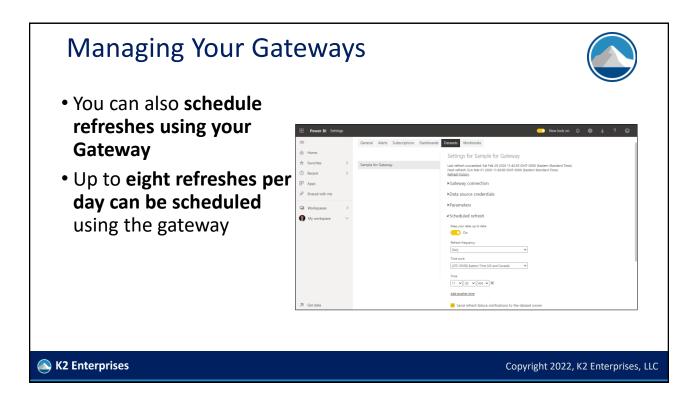


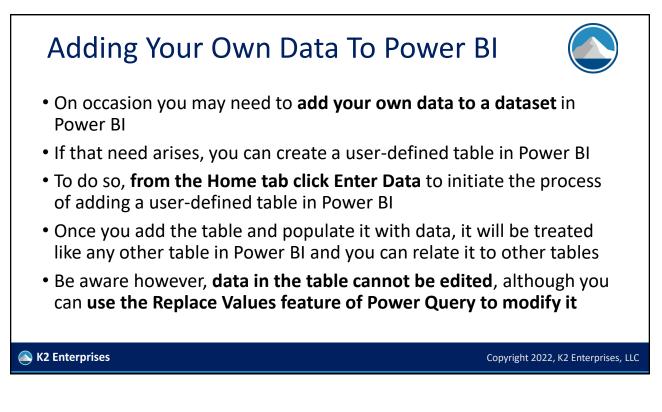












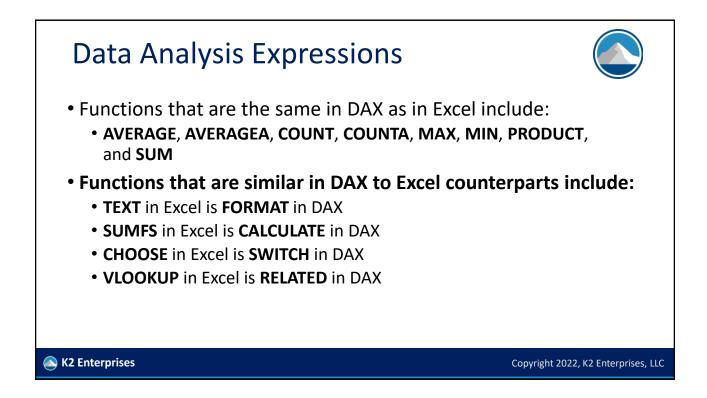


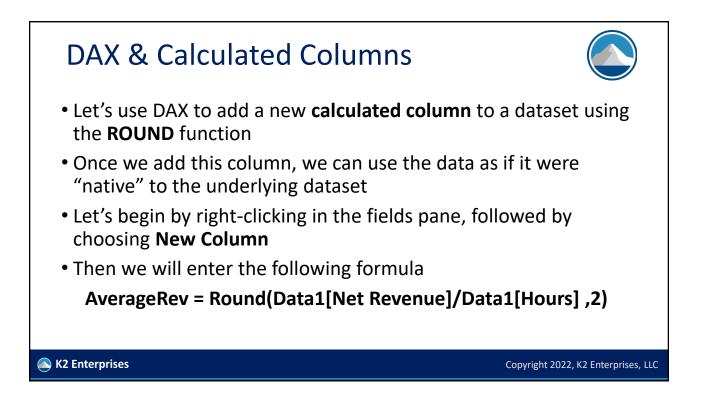
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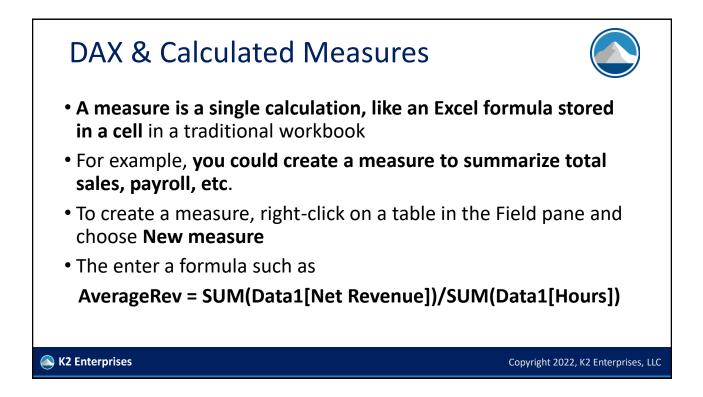
CREATING FORMULAS IN POWER BI WITH DATA ANALYSIS EXPRESSIONS

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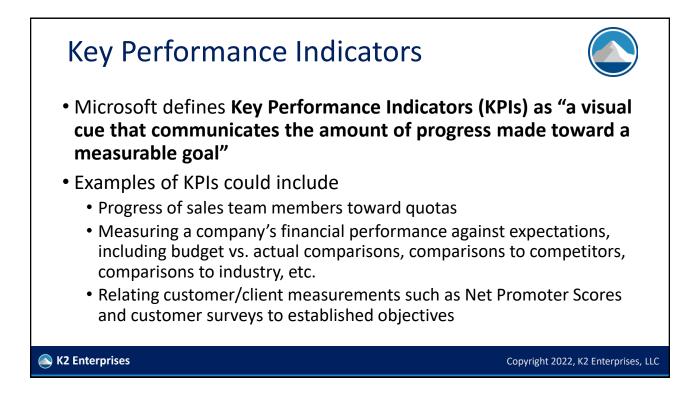
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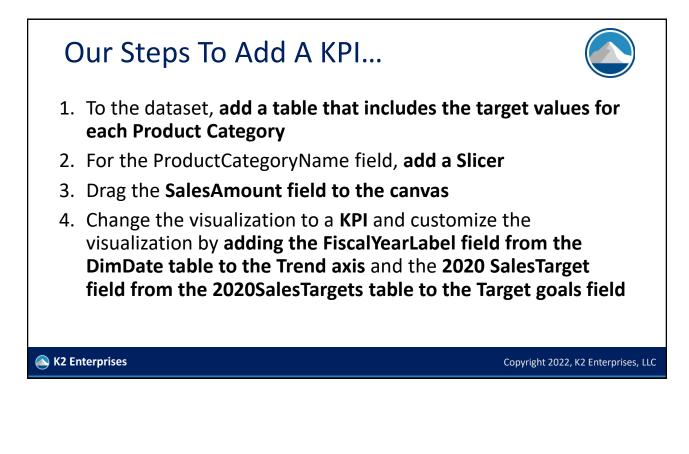




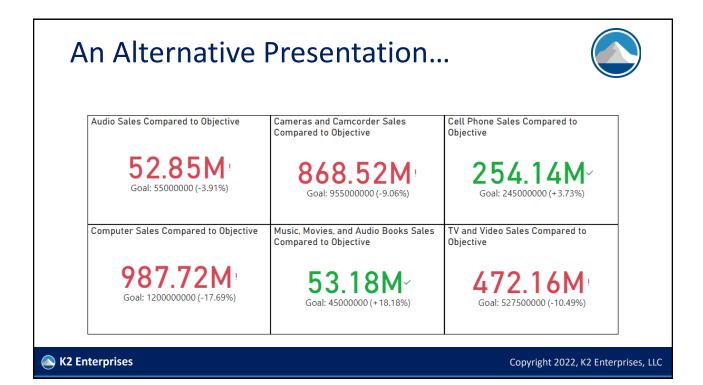
KPIs In Power BI

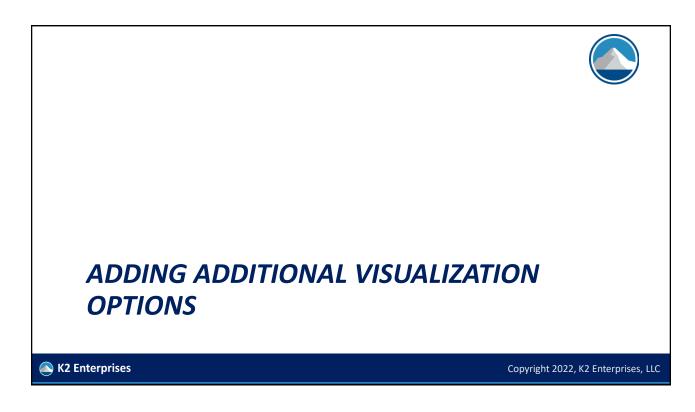
- You can add KPIs to Power BI reports and dashboards rather easily and if you know how to do this in Excel, then you are well on your way to success with KPIs in Power BI
- KPIs have three components
 - 1. A base value that represents the "actual" data
 - 2. A target value that represents the objective
 - 3. The KPI visualization that shows the comparison
- Let's create a KPI that shows progress toward meeting sales objectives, by product category...

Signature Karante Kara



The Fi	nished KPI		
	ProductCategoryName (Blank) Audio Cameras and Camcorders Cell phones Computers Music, Movies and Audio Books TV and Video	Sales Compared to Objective 254.14M Goal: 245000000 (+3.73%)	
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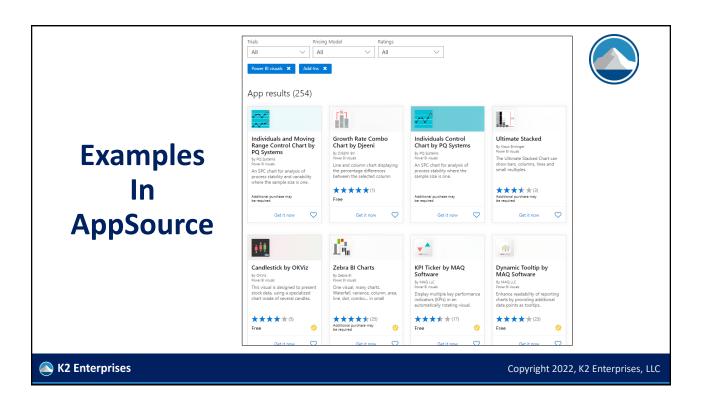




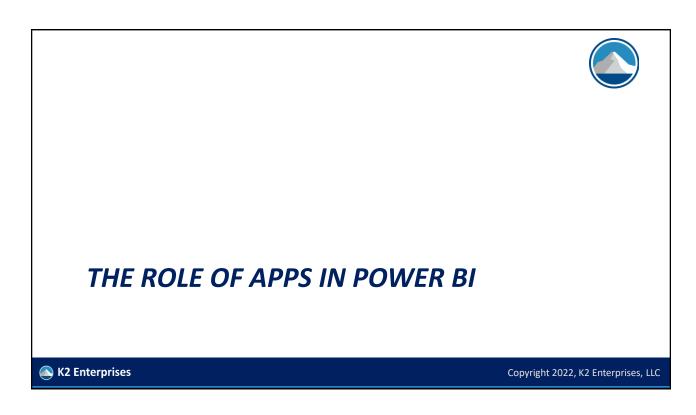
What If You Want More Choices Power BI offers approximately 25 visualization choices natively However, if you have a need for a visualization that in the asdelivered environment, you can go to Microsoft's AppSource and download custom visualizations Some of these are free, some are "freemium," and some are for purchase

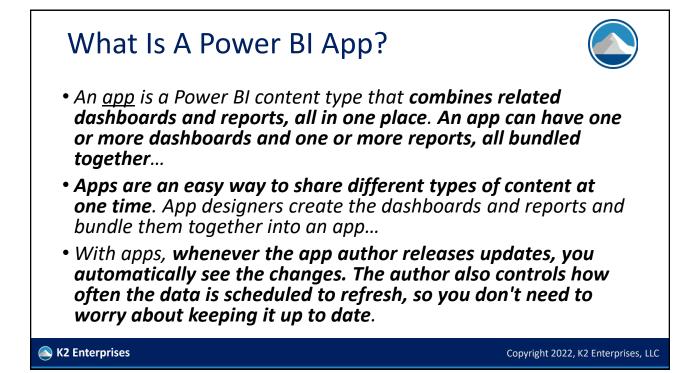
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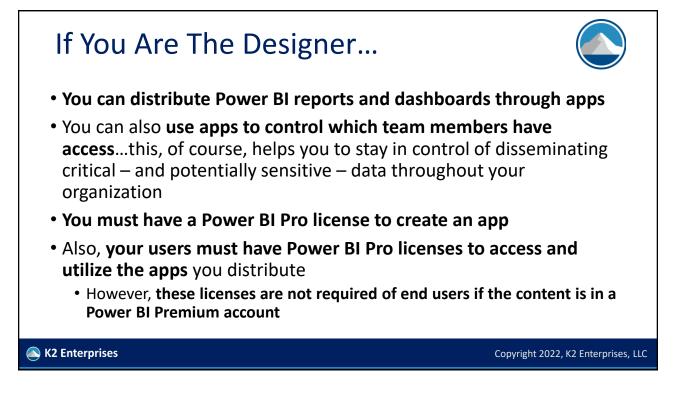
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Back to report RECENT, PREVIOUS AND STATUS BY NAME		$\forall \dots \forall$ Filters $\diamond >$	Visualizations >	Fields >
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Inventory Turnover Current Ratio	Quick Ratio	Name is (All)		∽
3.87 🔺 0.06 2.37 🔺 0.20	1.25 🔺 0.04	Previous	🕀 🐺 🗥 📖 🕒 🛄	Σ ChangePerc
		is (All)		□ ∑ ChangeValue ✓ Name
		Recent		Σ Previous
		is (All)		Σ Recent Σ Status
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			Name $\checkmark imes$	
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		Add data fields here	Previous $\checkmark imes$	
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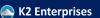


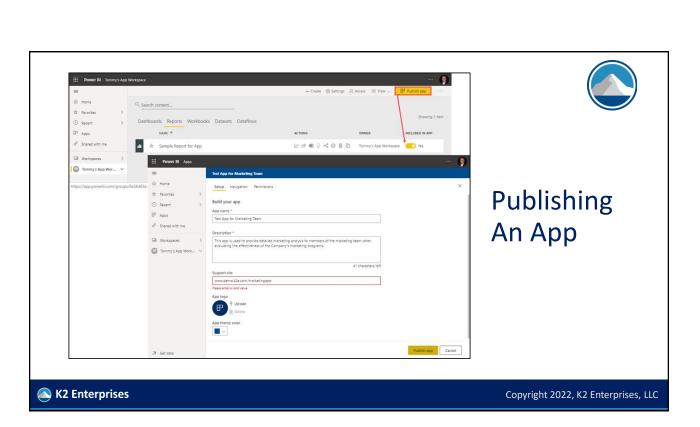




If You Are The Designer...

- To create an app, you must first create an app workspace
- You can add other users to your app workspace
- You can also address security issues in the app workspace





ngs $\,$ Access $\,\equiv\,$ View $\,$ $\,$

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My workspace

Q. Search

Workspaces

Budget

K2 Enterprises Tea

K2 Projects

😡 K2 US Manag

😰 Test Group

Test Workspace
 Tommy's App Workspace
 Widget Manufacturing

😡 K2 US/Canada Mana

Office 365 Teaching

A Home

A Favorites

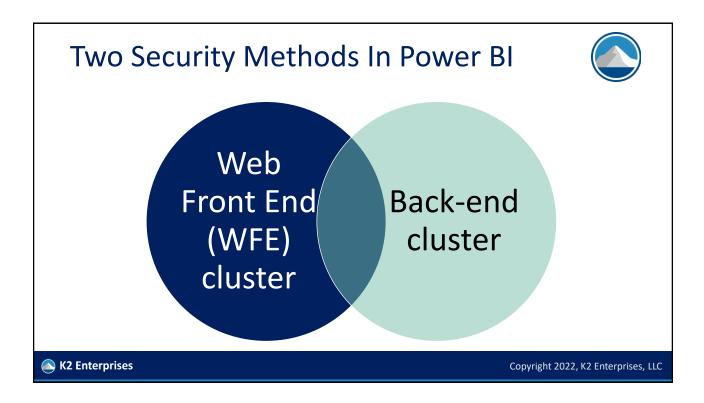
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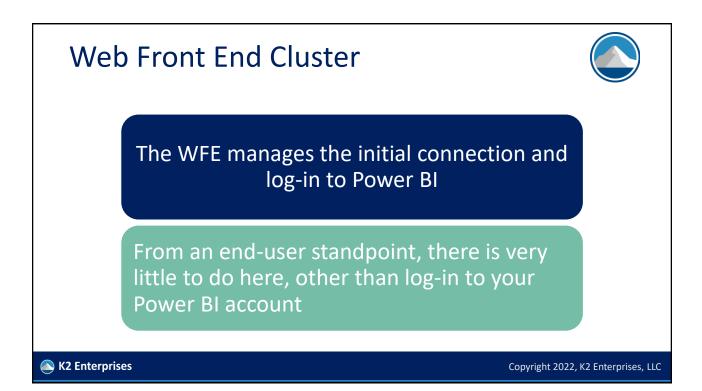
x^R Shared with me

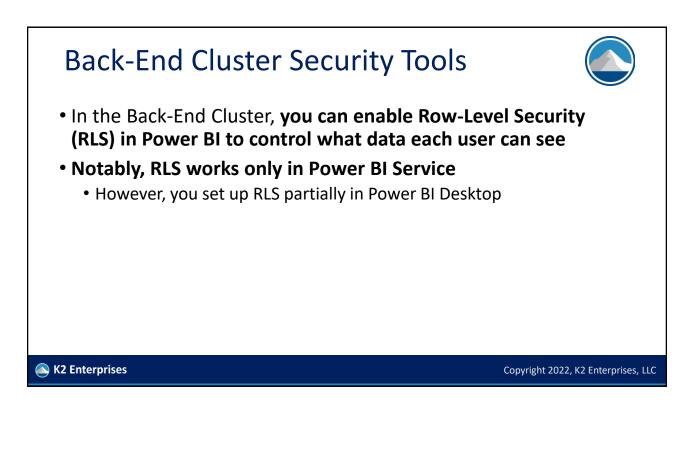
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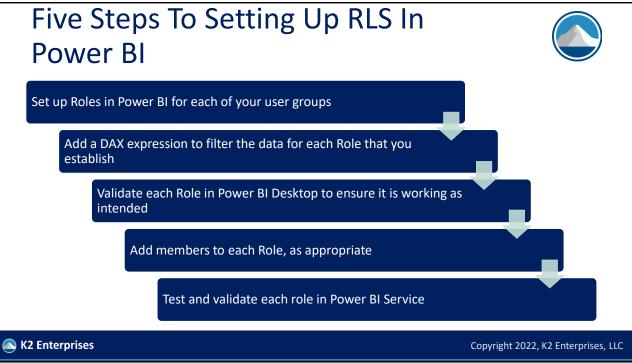
🗷 Get data

Tommy's App \









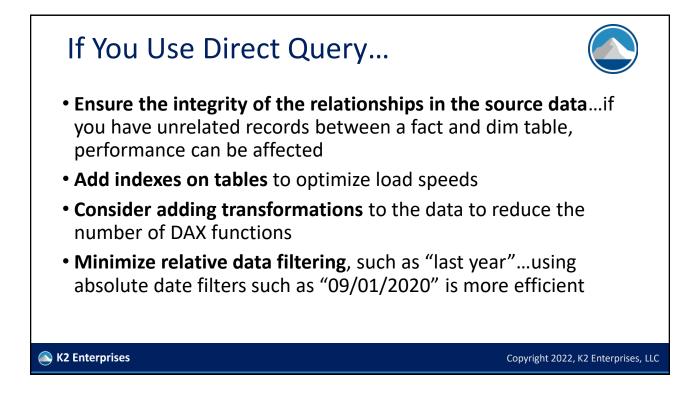


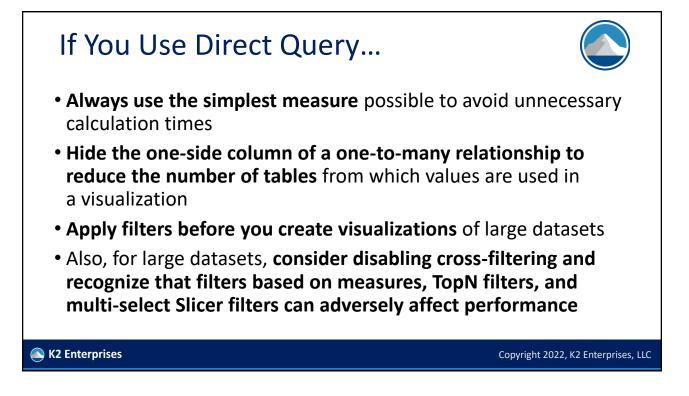
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IMPROVING PERFORMANCE IN POWER BI REPORTS AND DASHBOARDS

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Summary



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- Creating simple reports and dashboards in Power BI is easy!
- However, adding layers of sophistication and security to reports and dashboards is where many users stumble
- That need not be the case!
- As you've seen in this session, you can easily address many of the advanced issues surrounding Power BI and get past some of the stumbling blocks of the past
- This is where you'll begin to realize the largest ROI on your Power BI investment and efforts!

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