#### Download our presentation at: aka.ms/BCandPBI



# Unlock the potential of your Business Central data: create your first Power Bl report



Chris Lindsay, Shannon Lindsay



## Meet your presenters

#### **Chris Lindsay**

**LinkedIn** 

D365 BC Consultant

Mount Evans Consulting



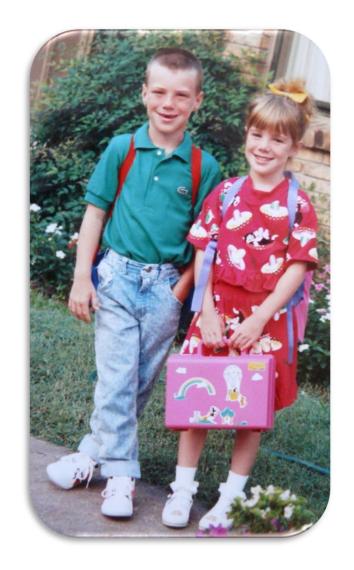
# Shannon Lindsay 🦨

aka.ms/Shannon

Senior Program Manager

Power BI | Microsoft





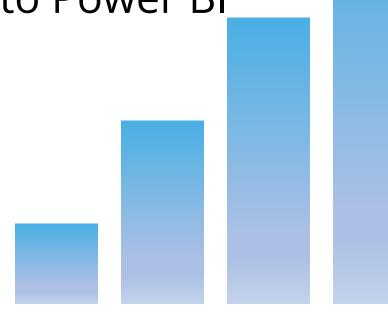




# Agenda

- Why Power BI?
- Bring Business Central data into Power BI
- Build visuals
- Share and automate
- Tips and tricks
- Resources





#### This session is not...

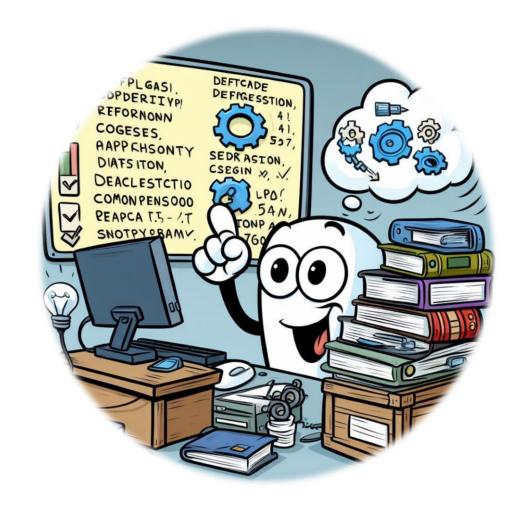
- X End-to-end Power BI training
- X Deep dive into data modeling
- X Custom API development
- X New ways to embed PBI directly into BC pages





# **BC Reporting**

- Schallenging
- **g** Requires Excel wizardry
- Ends up with disconnected data
- ISV Reporting Solutions –
   Jet or Cosmos





# With Power Bl you can:



**Connect** directly to BC (and bring in other data)



Effectively visualize your data



Share insights in BC or Power BI



Keep data up-to-date (avoid disconnected data)



**Enhance insights** with Copilot



# Power BI Ecosystem Desktop



Mobile

Web

#### **Process**

**Source data** 

**Build in Power BI** 

Distribute in PBI Service/ Mobile, or embed in BC







#### **Get started**

- Download Power BI desktop and ingest some data!
- Get data connect to BC
- Prepare data
  - Shape, transform, and clean data for analysis
  - Join and model data from multiple data sources/types





# How to get data out of BC

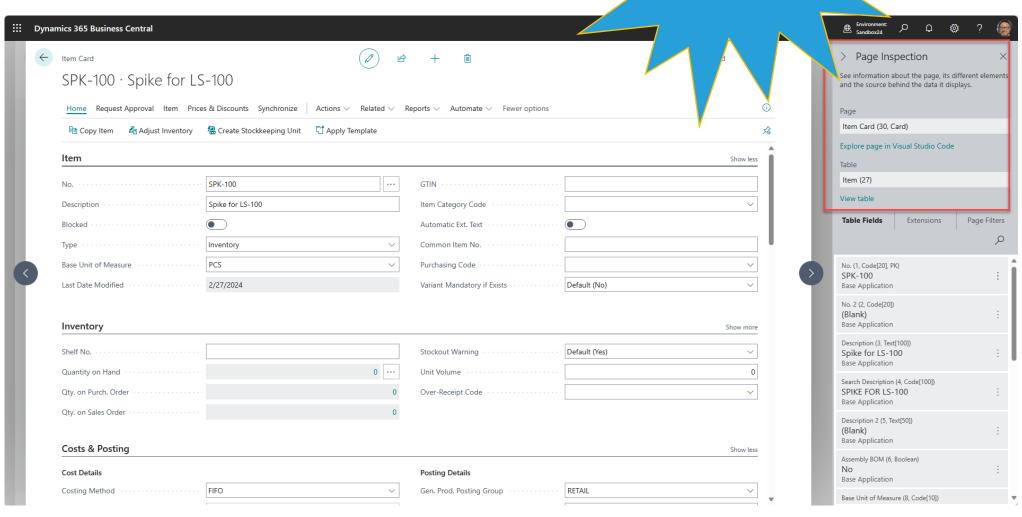
- APIs (standard or custom)
- OData v4 URL
- If data isn't available in Web Services out of the box, you need to configure this in BC





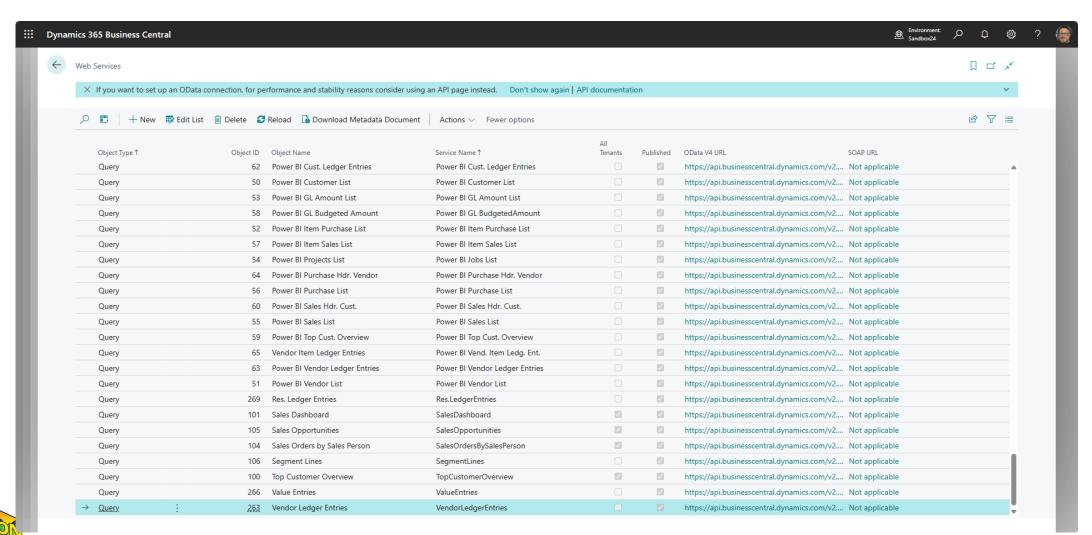
#### Find tables in BC

CTRL + ALT + F1





#### **Expose your BC Tables**



#### **Custom API Creation**

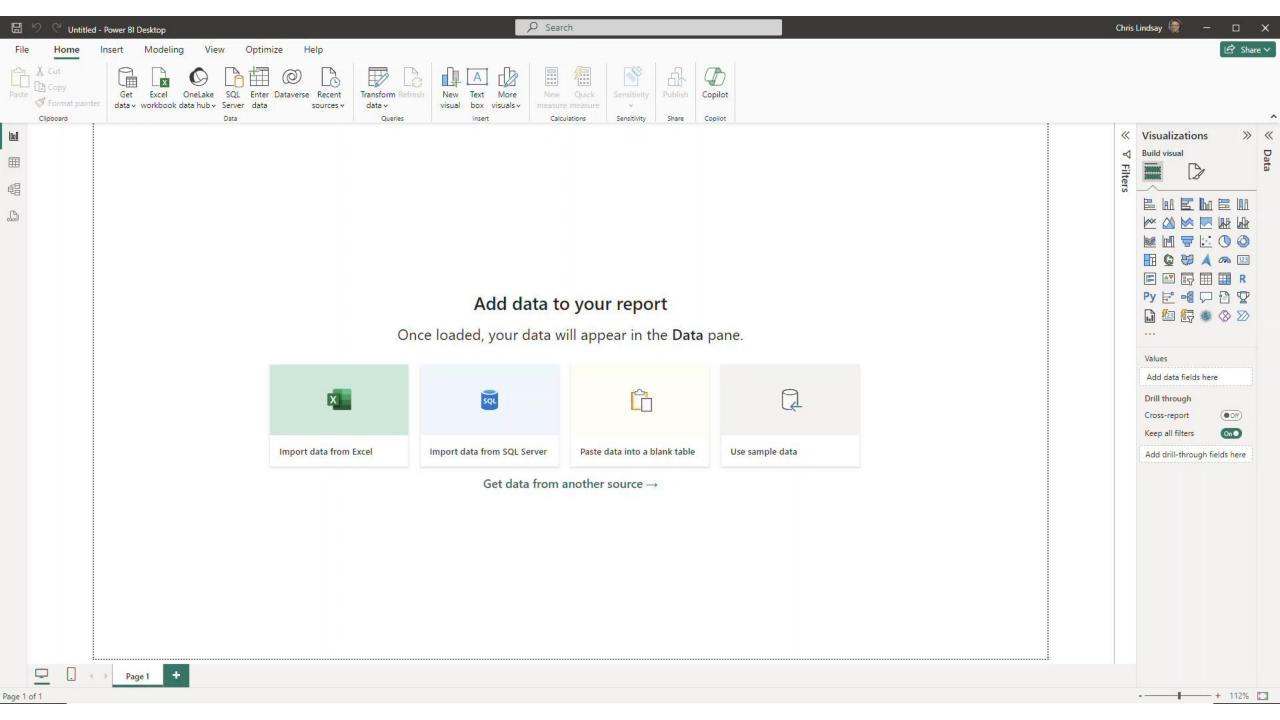
- Simple Object Designer
- Have a dev do it

Learn how to do it yourself







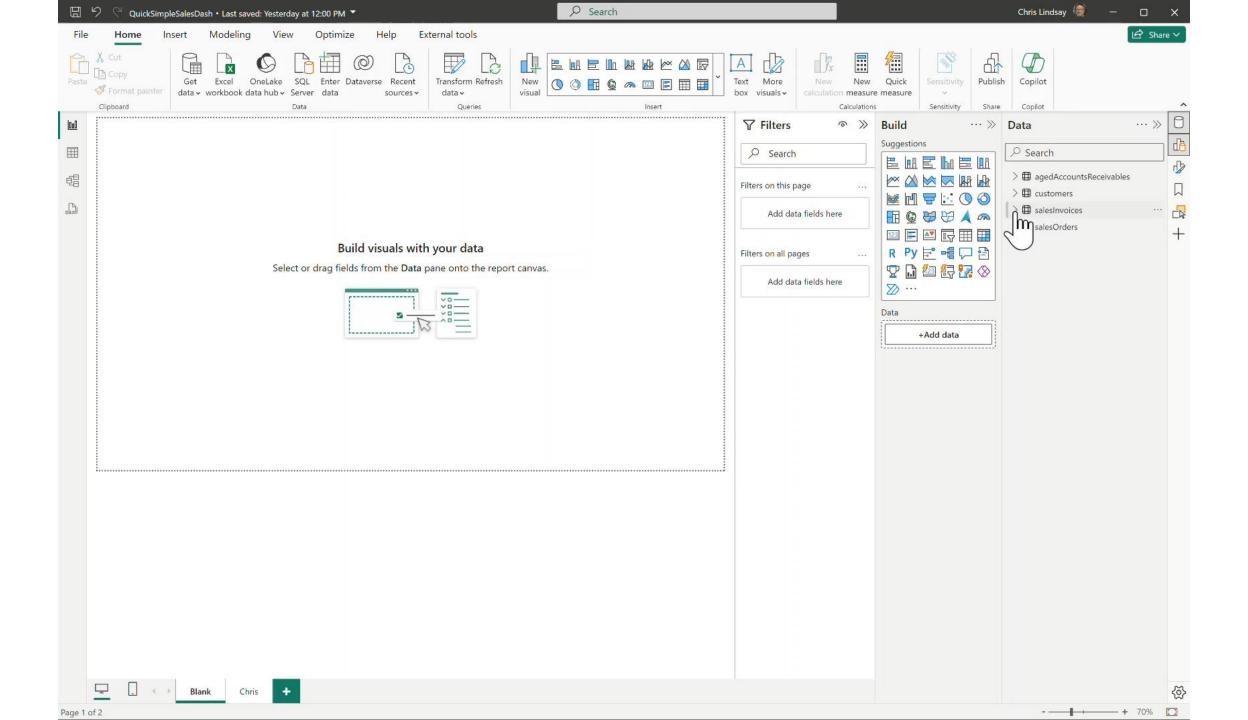


## **Get data AND transform**

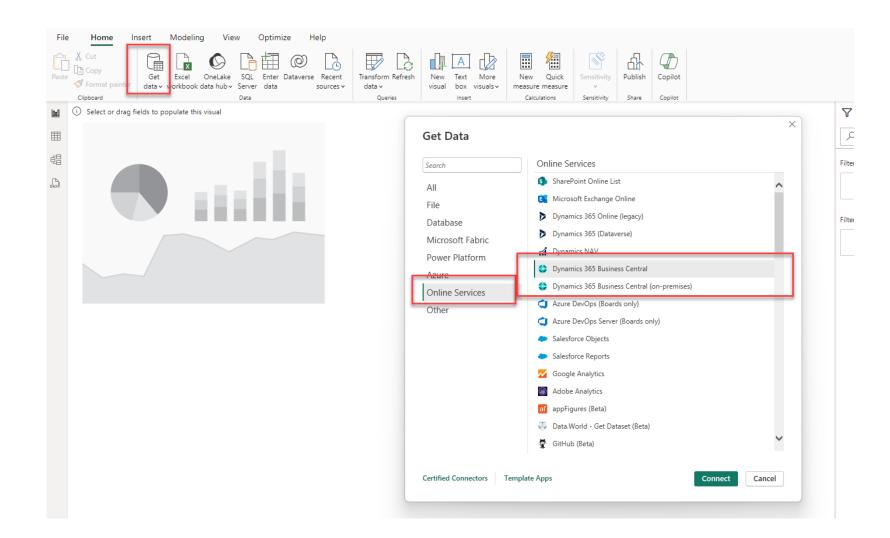
- Transforming data is important!
- Makes data more manageable to build visuals
- Improves report performance





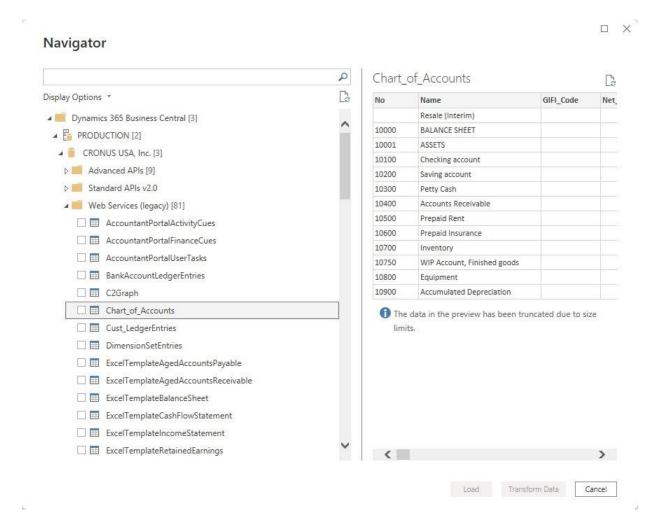


# Get your data...





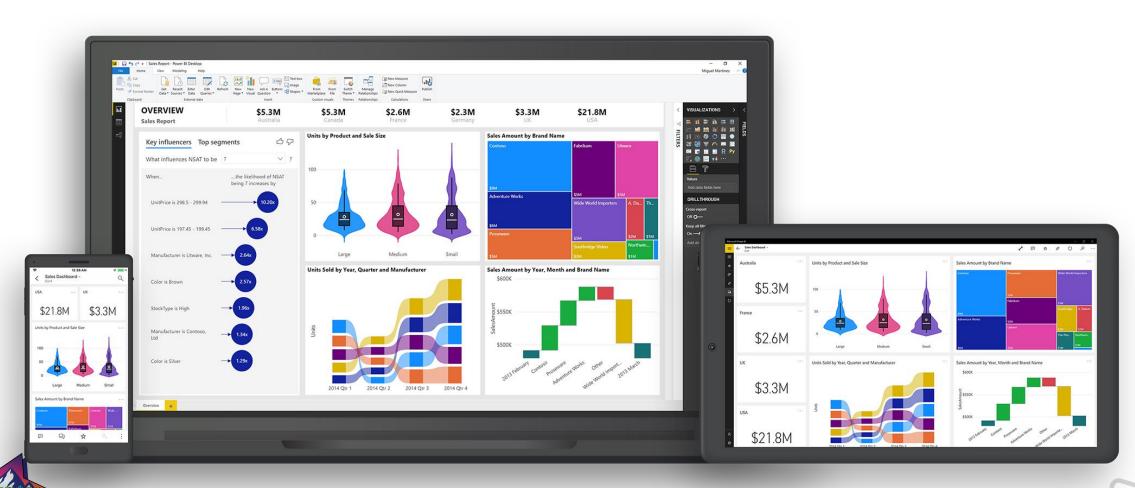
#### **Select tables**







# Visualize your data



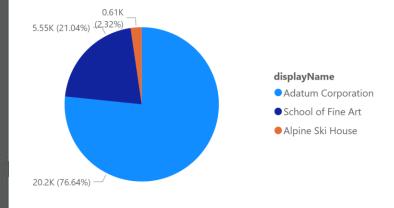


aged As Of Date display Name	Tuesday, May 14, 20 Sum of balanceDue	24 Sum of period1Amount	Sum of period2Amount	Sum of period3Amount
	70,023.84	5,121.69	25,273.81	39,628.34
Adatum Corporation	0.00	0.00	0.00	0.00
Alpine Ski House	4,316.92	0.00	4,316.92	0.00
Relectoud	8,836.80	3,081.84	0.00	5,754.96
School of Fine Art	53,833.52	2,039.85	19,944.69	31,848.98
Trey Research	3,036.60	0.00	1,012.20	2,024.40
Total	140,047.68	10,243.38	50,547.62	79,256.68

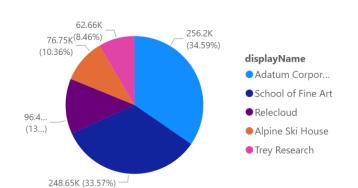
TOTAL A/R

140.05K

#### SALES ORDERS BY CUSTOMER by displayName



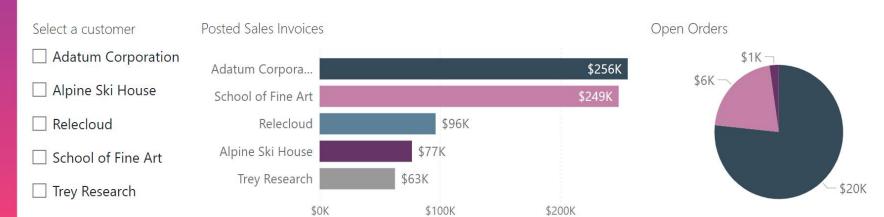
#### SALES INVOICES BY CUSTOMER by displayName



#### displayName

- (Blank)
- ☐ Adatum Corporation
- ☐ Alpine Ski House
- Relectoud
- ☐ School of Fine Art
- ☐ Trey Research

#### Cronus Inc - Posted Invoices, Open Orders, and A/R



Customer	Balance due	30 days	60 days	90 days
Adatum Corporation	0.00	0.00	0.00	0.00
Alpine Ski House	4,316.92	0.00	4,316.92	0.00
Relectoud	8,836.80	3,081.84	0.00	5,754.96
School of Fine Art	53,833.52	2,039.85	19,944.69	31,848.98
Trey Research	3,036.60	0.00	1,012.20	2,024.40
Total	70,023.84	5,121.69	25,273.81	39,628.34









# **Sharing Your Masterpiece**

- Publish your report!
- To keep data updated, set up automated refreshes in Power BI
- Reports are consumed in the service (powerbi.com) or in BC



## Select how users will access



Business Central

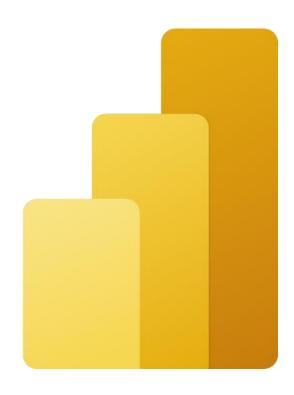


Power BI



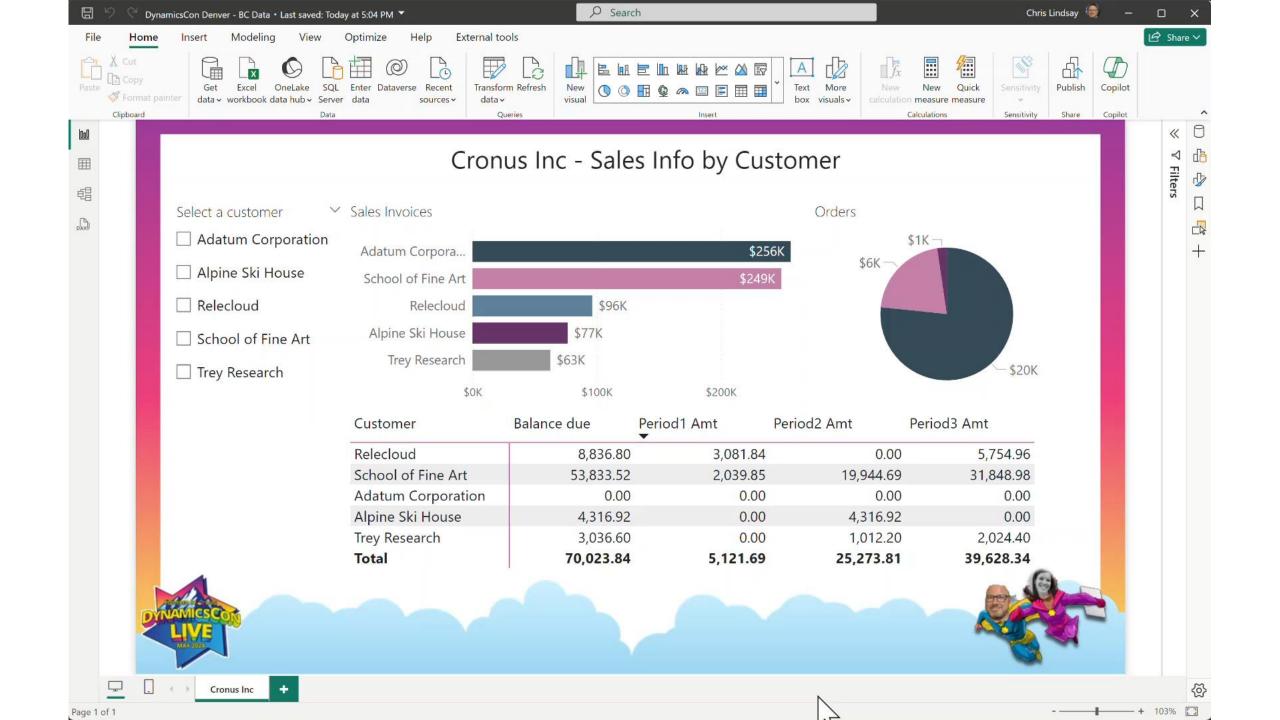
# Licensing

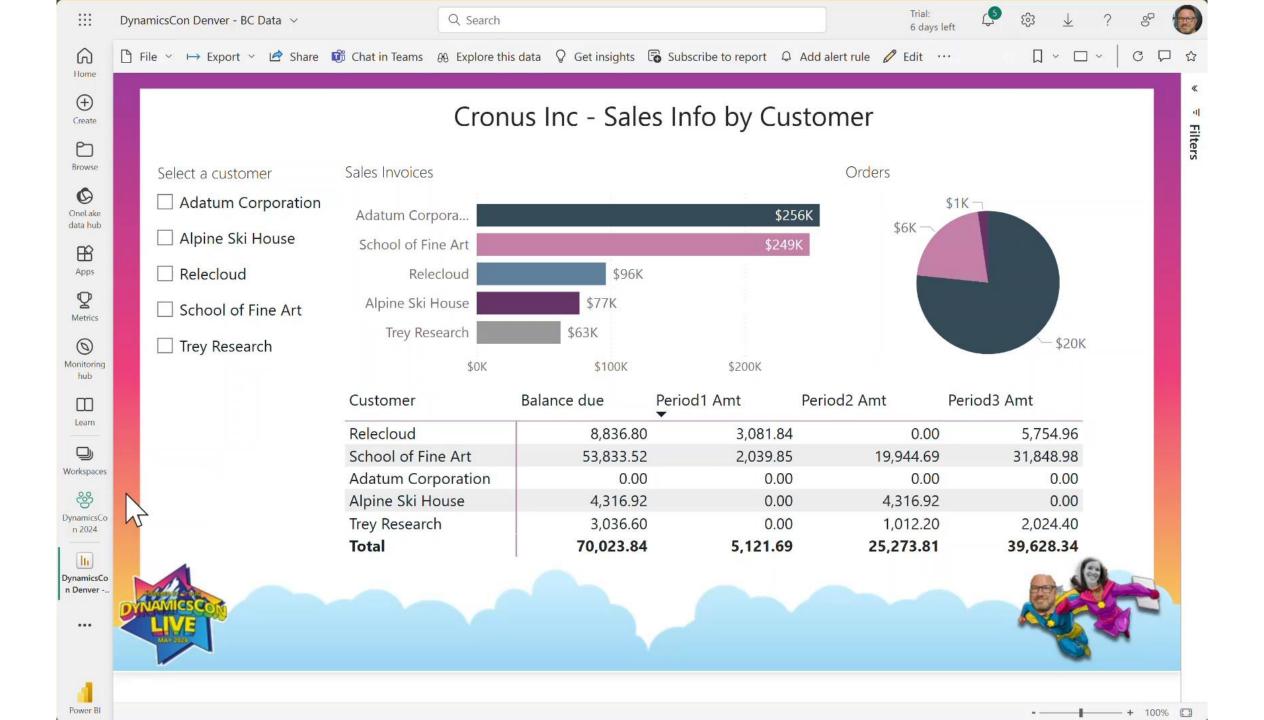
- Get started for free today!
  - Office 365 is the base
- Power BI Pro
- Power BI Premium / Fabric
- Power BI Embedded

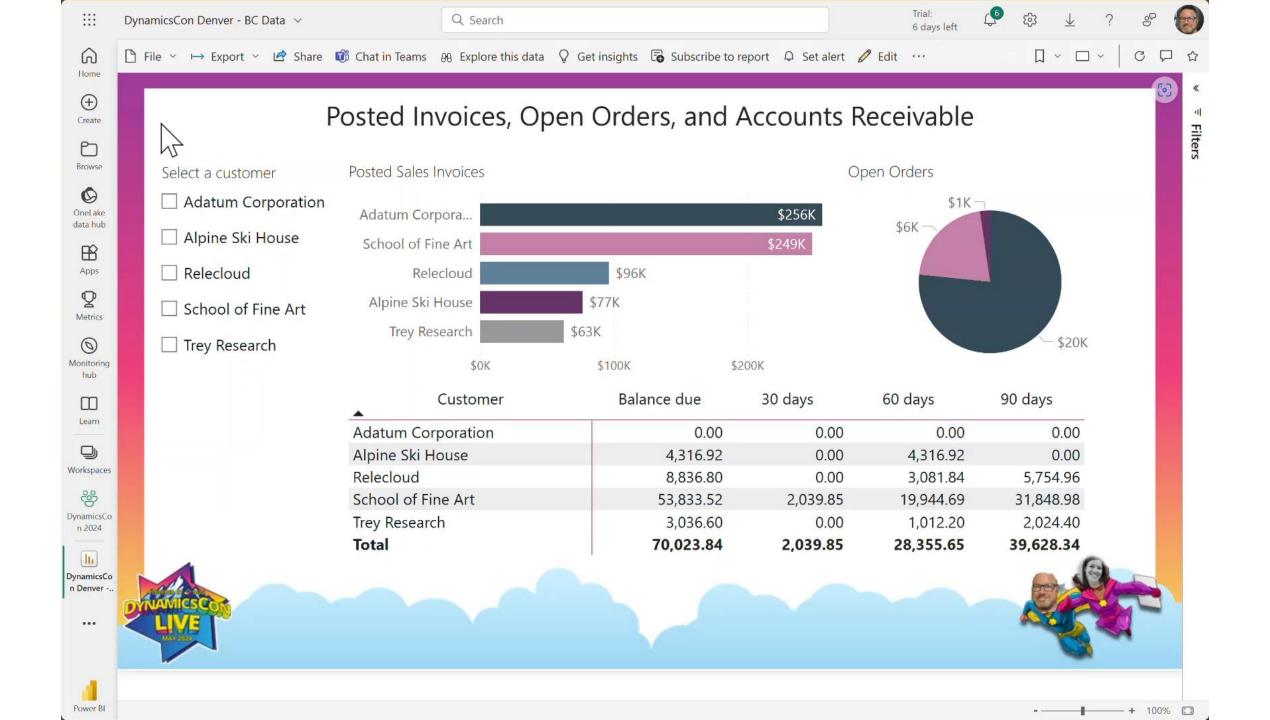














# Keys to success

- Understand the business need first; and map out what you want to create before opening anything!
- Understand the basics
- Understand the tables
- CTRL + ALT + F1 in BC is your friend
- The best way to LEARN is to BUILD



# Tips and tricks

- Process:
  - Start with business process and end-user requirements
  - Ensure your devs have support (not everyone is a Power BI dev!)
  - Use the rest of the Power Platform
    - Power Apps for quick data collection, Power Automate for process automation
  - Train your end users! Power BI is not intuitive

# Tips and tricks

- When you're building:
  - Keep it simple!
    - # visuals on the page
    - custom visuals
    - clean data model
    - reuse measures
  - Incorporate data viz best practices
  - Turn gridlines on



## Resources

- Sample Power BI Report
- Microsoft Learn for Power BI
- Steven Renders <u>video</u> and <u>templates</u>
- Power BI training fundamentals of data modeling and DAX



