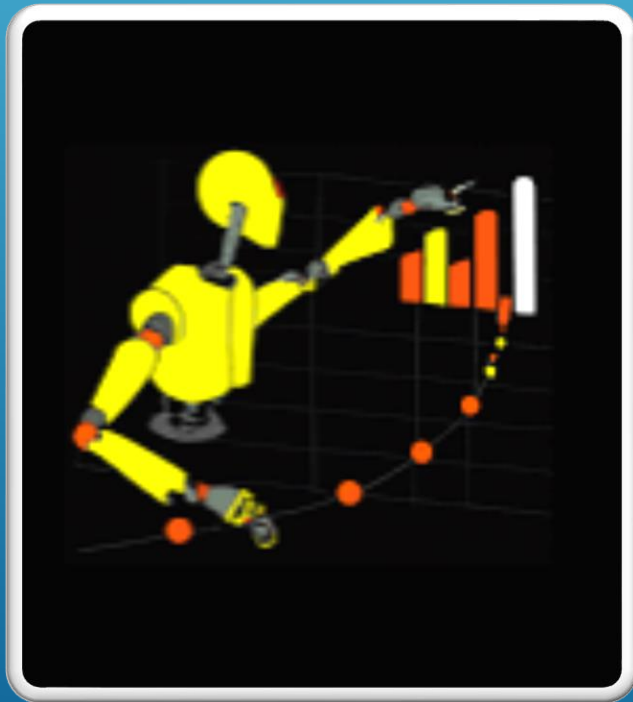


# MOVING YOUR BUSINESS INTELLIGENCE TO THE CLOUD STUMBLES AND RECONSIDERATIONS

The Management Dream



The Technical and Business Reality



# FIRST STEP MANAGEMENT REALITY CHECK UP IS YOUR ORG READY?

Question: Of the next management focuses, which is most important for a tech project:

▶ Results

▶ Trust

▶ Commitment

▶ Conflict

▶ Accountability

Show of hands as I call each one out



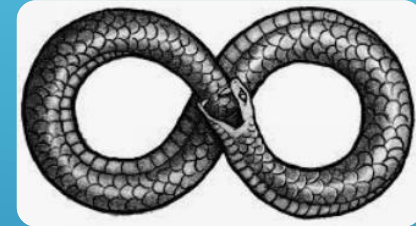
# HOW DID WE DO? WHO IS RIGHT? START AT THE FOUNDATION



Patrick Lencioni – Read The Advantage  
then hire one of his group's consultants

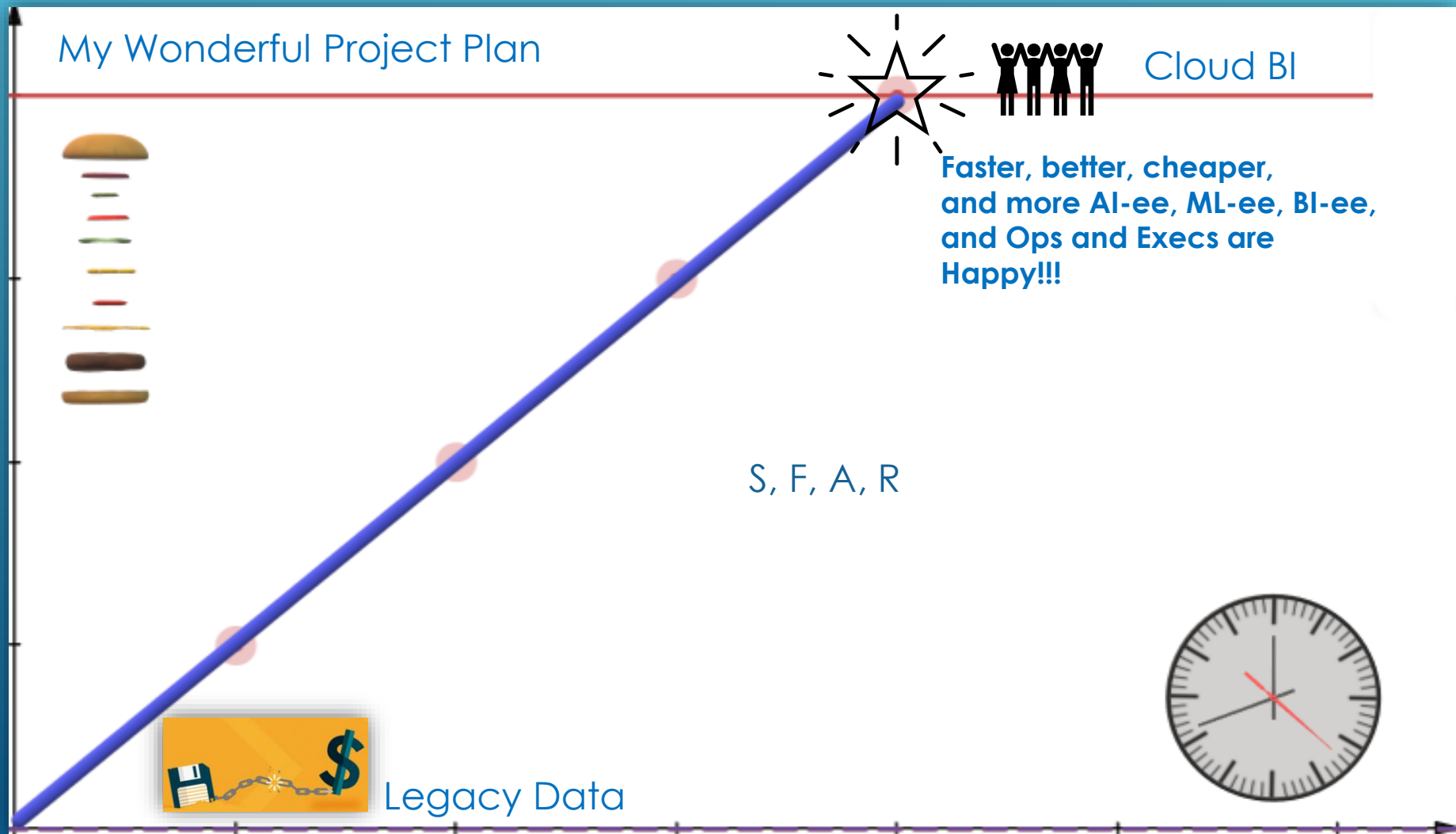


Without a solid foundation  
of trust and skill in conflict  
surfacing and  
negotiation,...

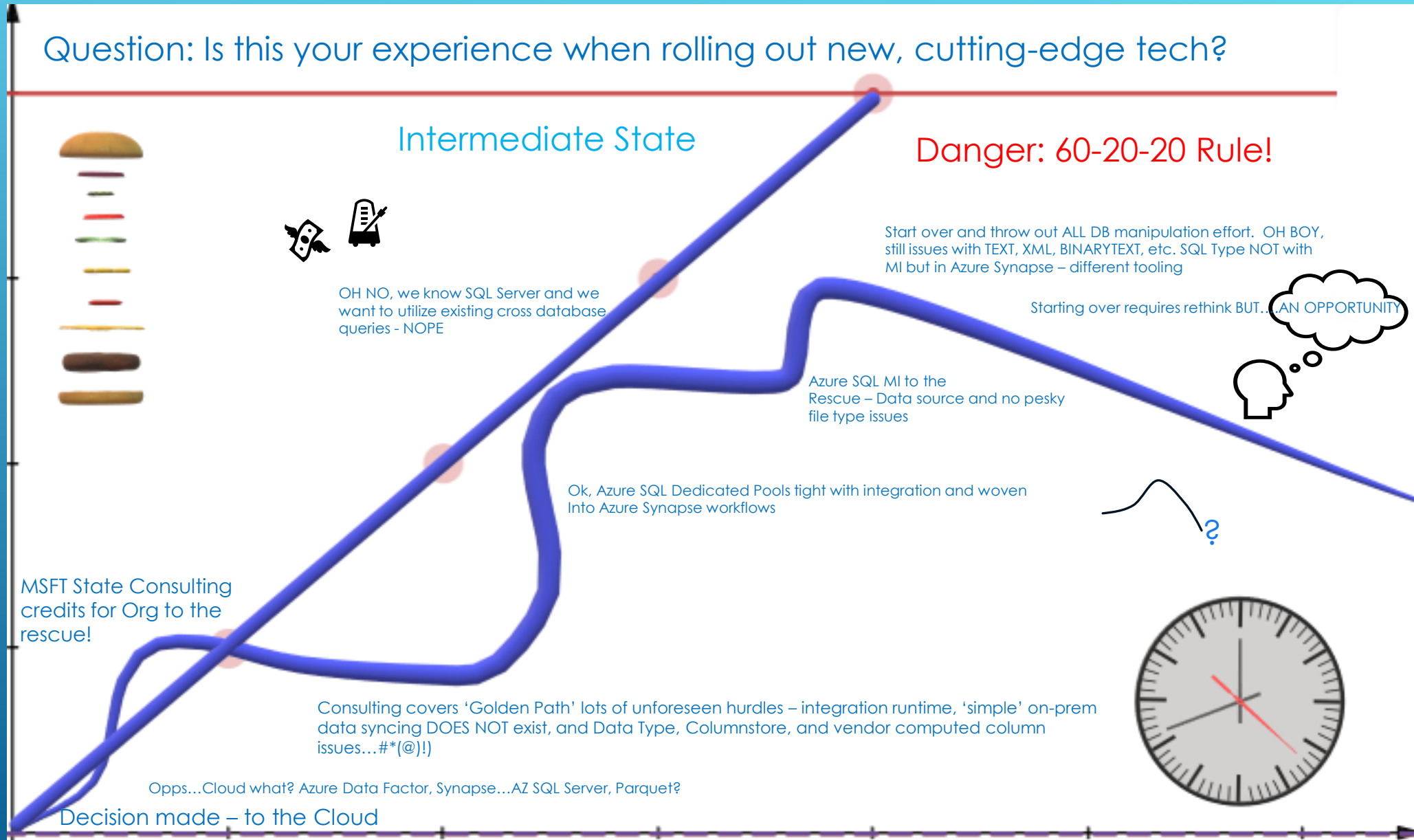


# SET THE RIGHT EXPECTATION

QUESTION: IS THIS A PROPER NEW TECH PROJECT CURVE?



# THE RIGHT EXPECTATION PLAN FOR SOMETHING 'NEW'

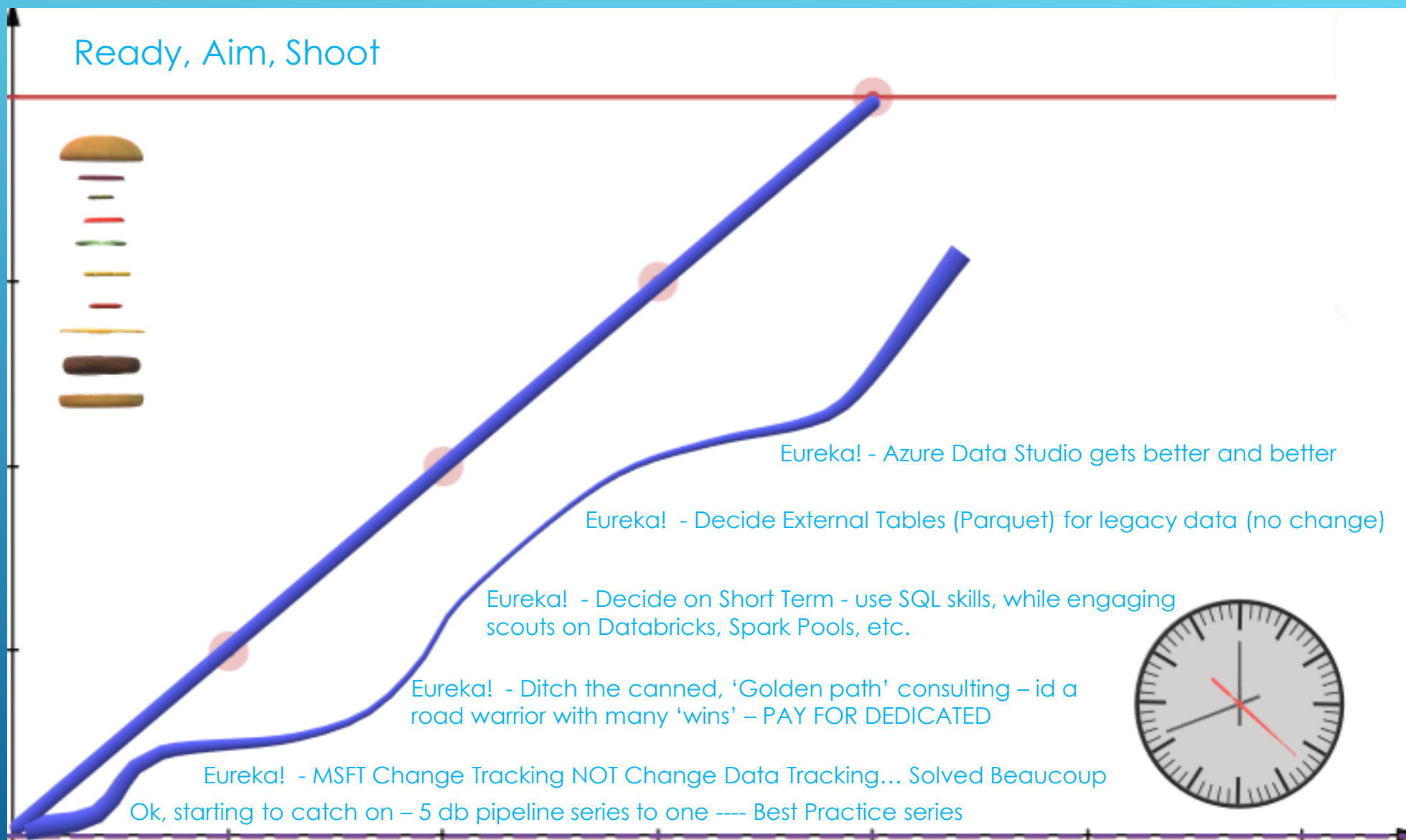


# PROJECT REBOOT – THINK – READY – AIM - FIRE



MSFTers:  
Jimmy Dobbins  
Expert: Data, Azure, trench warfare exp on data projects, national MSFT trainer

Danny Olson  
Expert: Power BI



# MICROSOFT IS A GREAT COMPANY (YES, WARTS AND ALL)



MSFTer: Thembi 'Support ANGEL' Fulse  
Customer Success Account Manager  
(aka Customer Advocate)

- ▶ We are Warty as well.
- ▶ Play to our angels and mitigate our devils.
- ▶ Microsoft pushes the 'Golden Path' and their documentation and clarity of purpose is sometimes lacking **but** they have great products and they have upped their service and support game.
- ▶ Same for us – we say 'Move to the Cloud' but what do we mean? We say 'new' **but** we really want the same old bird with slightly newer feathers – gain with no pain.



Forget BIG data,  
data science (unless you  
are lucky – on staff already)

# READY – AIM – SHOOT – FIRE RELOAD DOZENS OF TIMES

## READY

- ▶ Know your move to the Cloud data sources – Legacy, Docs (3.5 TB), Operational (live OLTP databases (look for the problems – no primary keys, Text, XML, Composites, etc.)
- ▶ Agree on your 'Real Time' Cloud data need
- ▶ What are the first targets – Dashboards for execs or Ops (remember real time?)
- ▶ Agree to agree that the data is wholly deficient in all aspects – correctness, agreement, standardization,....
- ▶ Determine your required data nomenclature - NODs (for court business), NIEMS 3.0 (interfacing computers)
- ▶ Skill assessment of current technical staff AND business staff (skilled Pivoteers or SUMmers from Excel's Ribbon (good place to insert a skilled vendor)
- ▶ Find your business DOMAIN experts (you want them close and committed) – not the loudest voice in a department but real, validate knowledge with backbone for some heavy lifting.



# READY – AIM – SHOOT – FIRE RELOAD DOZENS OF TIMES



We are In GCC, if you are too  
VALIDATE that MSFT supports  
your AIM in the GCC

## AIM

- ▶ Choose a main vendor – we chose MSFT because we are standardized on MSFT infrastructure and online tools (O365, Power BI, SQL Server, ...)
- ▶ How to get live data to the replication, integration, ...
- ▶ What are your realistic business drivers – dashboards and user data/info marts AND/OR Linear Algebra, regression analysis, performing A/B testing, sampling to check warehouse inventory, predicting service demand previous performance, and forecasting staffing needs from historical trends. BE REALISTIC (staff, data quality, exec expectation management...)
- ▶ Then, in consultation with proven MSFT tech experts – pick a tech that fits your business goals and map out the 20,000 foot plan.
- ▶ ID the tech – small swing Azure Data Factory, medium swing Azure Data Factory or the massive swing Azure Fabric (unified data into OneLake ecosystem).
- ▶ !!!! PARQUET !!!!

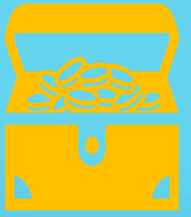
# READY – AIM – SHOOT – FIRE RELOAD DOZENS OF TIMES

## SHOOT

- ▶ Assemble team – domains, IT Infrastructure, dev/tech
- ▶ Establish leadership in each team group
- ▶ Establish overall leadership (not a committee) – where the buck stops
- ▶ Address the knowledge/skill gap – tech AND business
- ▶ Establish the change and communication process
- ▶ ID an Executive Champion - Lucifer
- ▶ Assemble your vendor team within MSFT
- ▶ Share your plan, warts, strengths and insecurities
- ▶ Pay attention to the 'you don't want to do that' advise
- ▶ Budget for purchasing MSFT expertise - \$300 - \$450 an hour
- ▶ Don't expect the vendor to do the heavy lifting BUT guidance, course correction and expert instruction is invaluable
- ▶ !!!KEY!!! Don't forget Source Code Control – GIT Hub Enterprise

FIRE

# READY – AIM – SHOOT – FIRE RELOAD DOZENS OF TIMES



MSFTers

Remember: There is not one path but dozens – when to get on and when to get off



All Things Synapse, Pipeline, Data Strategy,  
Training: Jimmy Dobbins

All Things Azure Architecture and AI/ML  
especially around documents: Nic Trajkovic

All Things Power BI Service and Desktop (not  
Power BI Server): Danni Olson

All Things Git-Hub Enterprise - Sean MacDonald

All Things 'Buy an Engineer', 'Commit a  
Service/Training, ...': Nick Sabo

All Things Azure Networking, Security, Configuring: Jon  
Huber

All Things MSFT Support, Org Training and Sanity Checker:  
Thembi Fulse


All Things Azure and Org Management: Brandon Brin and  
Jenna Reedy

**Finally – Don't Forget – Low Code/No Code  
Business Focus Tooling – the best of the best**

**All Thing Power (Pages, Apps, Automate, Dataverse: John  
Parker**

**The Very Best for Last: State/Gov Expert: Mae Edwards**

# LET'S TAKE A LOOK AROUND:

- ▶ Power BI and CourTools: [Power BI SERVICE](#)
  - ▶ Power BI and OPS Reporting: [Power BI SERVER](#)
  - ▶ Azure Synapse (the backend): [Synapse](#)
  - ▶ Self-hosted Integration Runtime: [Self-Hosted Integration Runtime](#)
  - ▶ Super functionality and small footprint: [Change Tracking](#)
  - ▶ Azure – SSIS Integration: [Azure SSIS Integration](#)
- 

- ▶ RECOMMENDATION – Read and CONSUME the CSP DGPG

**Data Data Governance Policy Guide Policy Guide**

Decorative white lines consisting of several parallel diagonal strokes in the bottom right corner of the slide.

**THANKS FOR ALL YOU DO TO MAKE AMERICA GREAT  
BY LEADING AND MANAGING IT'S GOVT WELL!**

Thanks for listening!

Contact: Jim Smith  
[james.w.smith@vermont.gov](mailto:james.w.smith@vermont.gov)

Final Note: Going to the Cloud by putting a server in the Cloud is not Cloud – Native.