

FUTURE OF TREASURY TECH

AI, API, BD, BI, DL, RPA, XML



CRAIG JEFFERY

Founder & Managing Partner, Strategic Treasurer











WHAT.

An exploration of technologies that are changing treasury.



WHEN. Thursday, March 18, 2021 2:00 PM - 3:00 PM EDT



Live Online Presentation



This presentation is provided by Strategic Treasurer to Utah AFP.



SPEAKER GET TO KNOW YOUR SUBJECT MATTER EXPERT



CRAIG JEFFERY, CCM, FLMI

Craig Jeffery formed Strategic Treasurer LLC in 2004 to provide corporate, educational and government entities direct access to comprehensive and current assistance with their treasury and financial process needs.

His 30+ years of financial and treasury experience as a practitioner and as a consultant have uniquely qualified him to help organizations craft realistic goals and achieve significant benefits quickly.



STRATEGIC TREASURER

Strategic Treasurer provides consulting, research and professional services for treasury management, security, technology and compliance. Corporate clients, banks and fintech providers throughout the world rely on their deep awareness of current practices, plans and perceptions through their annual surveys and decades of treasury experience.

With a mission to advance the practice of treasury by advising clients, assisting teams and informing the industry, Strategic Treasurer guides practitioners through real-world, missioncritical issues that organizations face today.



TOPICS OF DISCUSSION

EMERGING TECHNOLOGY TRENDS

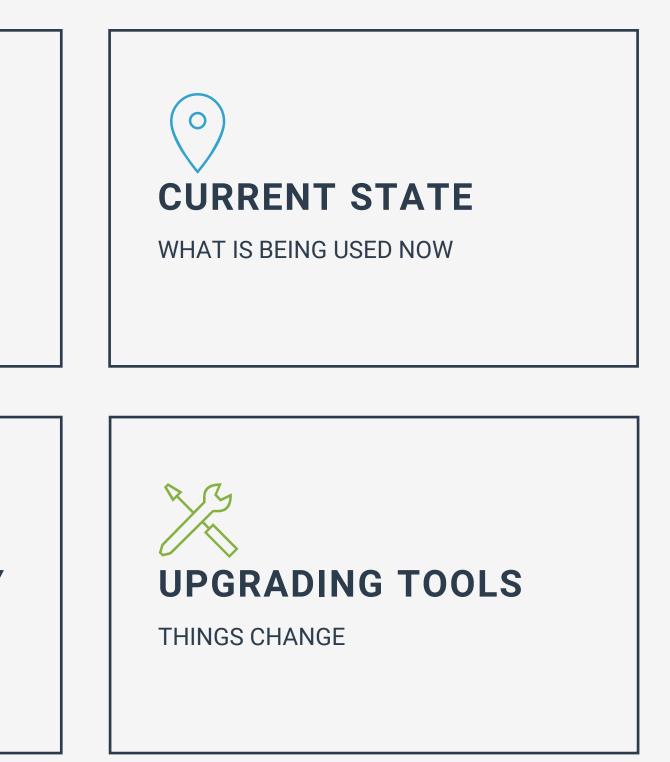


ASSOCIATED WITH NEW TECH

FUTURE OF TREASURY

LOOKING AHEAD







POLL QUESTION





CHALLENGES **NEW TECH COMES WITH NEW CONCERNS**



ALPHABET SOUP

• AI, API, BD, BI, DL, RPA, XML...



HOW TO GAIN **FACILITY OF** THE TOOLS

Acquiring the assets



WHAT AND HOW TO MONITOR

Intake and calibration







NEW TECH

WHAT IS APPROPRIATE FOR YOUR ORGANIZATION

Democratization of technology increases opportunities, but companies should not assume all these offerings are the same. They are not.

• There are dozens of categories of treasury technology and an equally diverse array of providers that service the space.

- the technology space.
- technical architecture.



New innovations including ML and AI are causing major disruption in

While many groups have yet to adopt these technologies, data shows that steady adoption is expected over the next five years.

Corporates must begin future-proofing by establishing a modern

ROBOTIC PROCESS AUTOMATION

BLOB / DATA LAKE

DISTRIBUTED LEDGER



THE CURRENT STATE **OF TREASURY TECH**

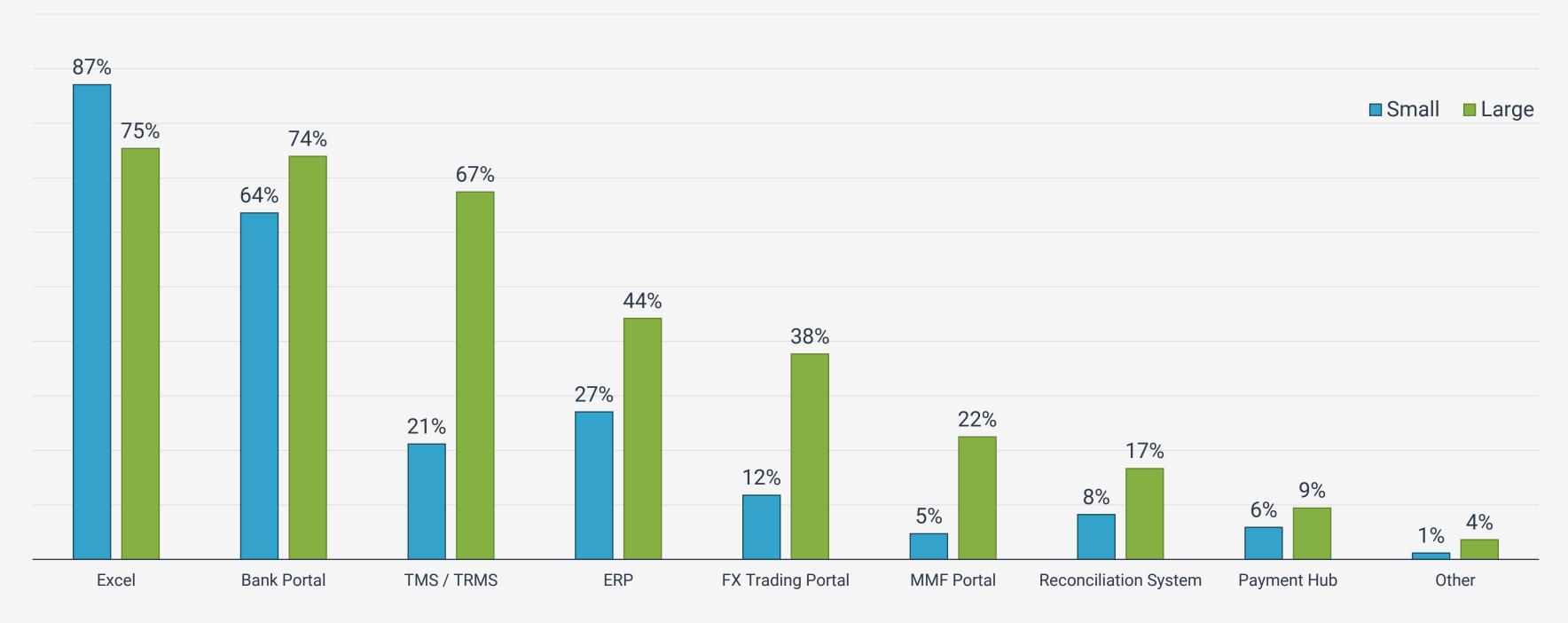
A LOOK AT THE TECHNOLOGY SOLUTIONS LANDSCAPE



Across both small and large firms, Excel spreadsheets and bank portals are the most widely leveraged tools for managing treasury activity.



While a notable portion of large firms utilize a TMS or ERP for treasury, very few small firms do so. Aside from bank portals and Excel, there is significant deviation between small and large firms regarding their technology use.



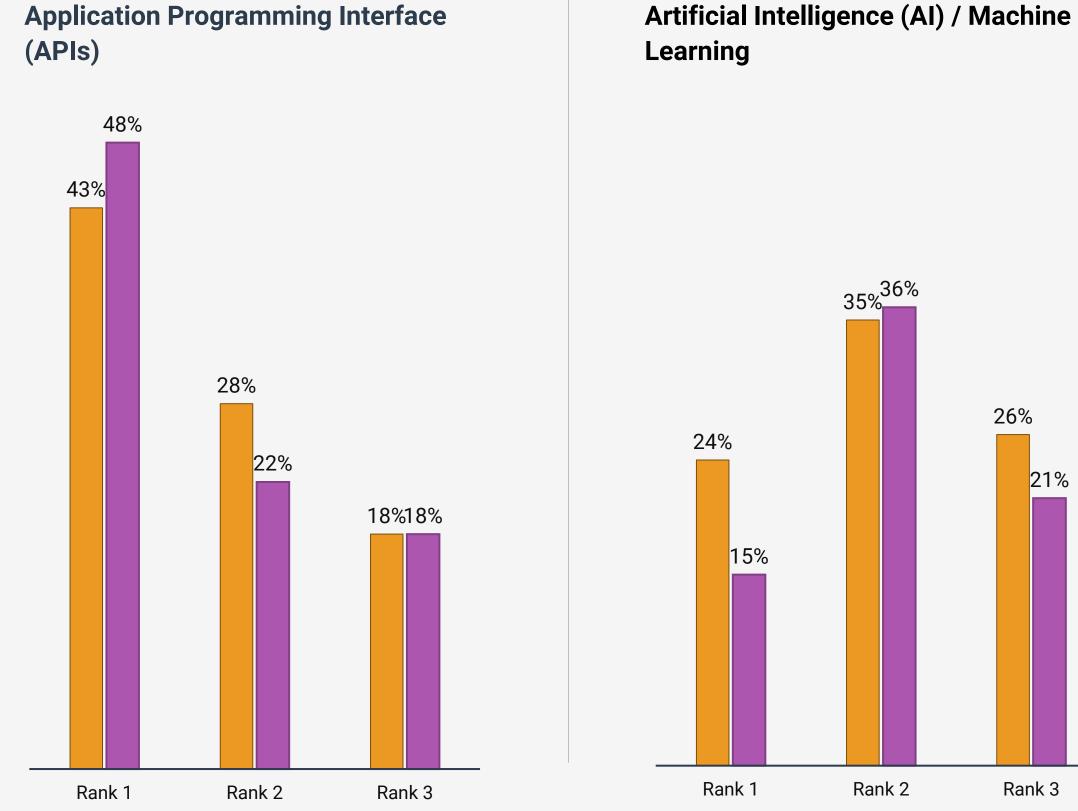
Excel & Bank Portals Lead the Way

TMS / ERP Options



TECH USE TREASURY – A PRACTICAL GROUP

Please rank the following technologies or services in the order that you believe they will impact B2B payments over the next 2-3 \gg years:

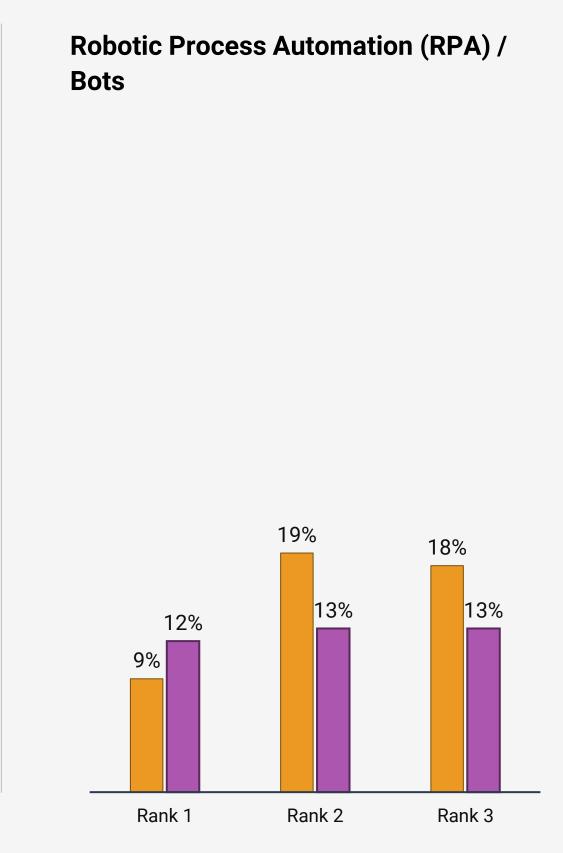


2020 2019

26%

21%

Rank 3





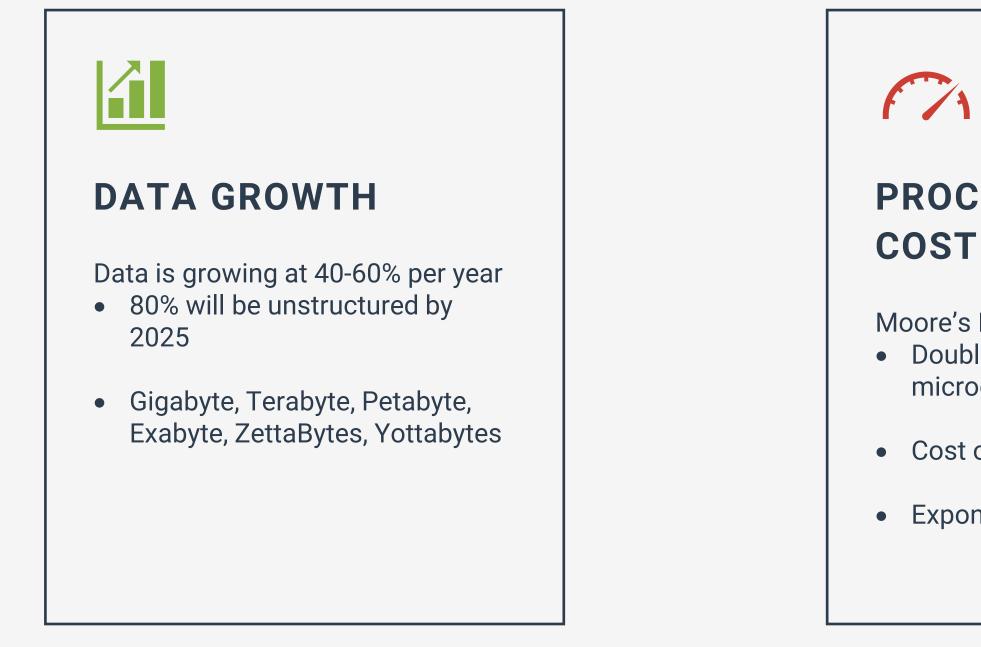
POLL QUESTION

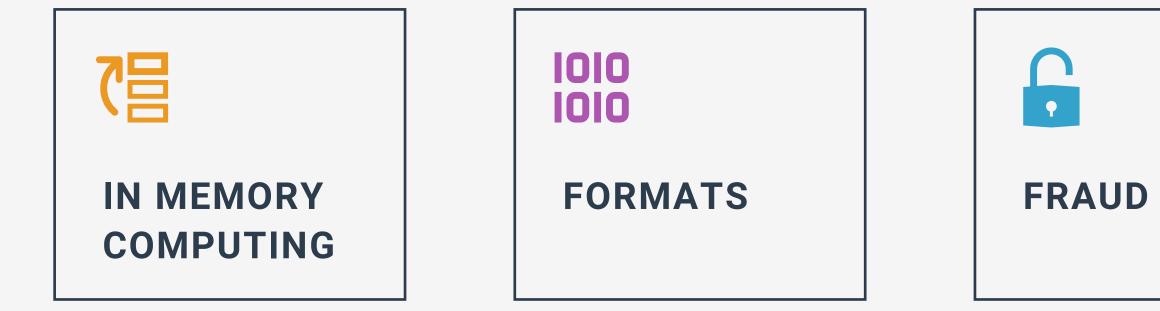




BIG ISSUES

TECH TO THE RESCUE OR IS TECH THE SOURCE?





PROCESSING SPEED &

Moore's Law • Doubling of transistors on microchips every 2 years

• Cost of computers is halved

• Exponential growth





UPGRADING OUR TOOLS

THE GAME HAS CHANGED



CHESS MASTER

DEEP BLUE

- 1996: Lost to Gary Kasparov out of six games
- 1997: Upgraded, beat Gary Kasparov 3.5 to 2.5
- Alleged cheating Deep Blue was dismantled

STOCKFISH

- 2014, 2016, 2018: Various versions
- Historical game inventory
- Massive computing power
- Open source

ALPHAZERO

- 2017: 9 hours of training and no access to historical chess games
- Plays Stockfish 72 draws, 28 wins, 0 losses
- 4 hours of learning estimated to have a higher ELO than Stockfish



TOP GUN

ALPHADOGFIGHT TRIAL

August 2020: AI system managed victory over a top U.S. Air Force fighter pilot

The human opponent was "shot down" five times in a row by the AI drone

The system was developed for a competition between 8 AI companies and went from concept to reality in just over a year

Not a perfect comparison: AI had a significant advantage over the human pilot

The human pilot was forced to fight on the computer's terms, not vice versa

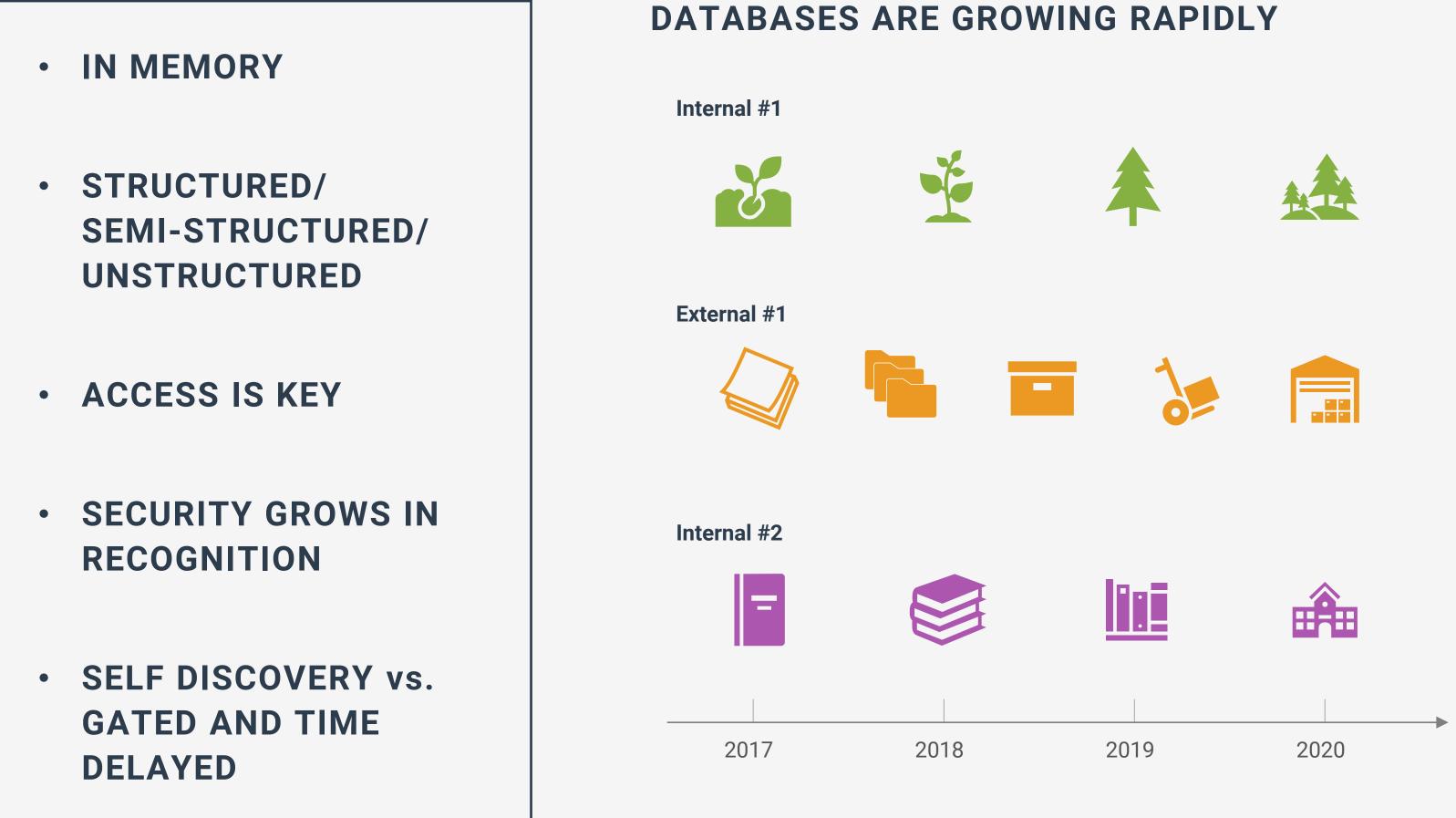
Events were heavily scripted with companies being provided that before the contest

Pilot had to use VR goggles and nonstandard equipment



BIG DATA · BI · ANALYTICS

REQUIRES A NEW PLAN FOR DATA ORGANIZATION







DATA STORAGE

BLOB & DATA LAKE

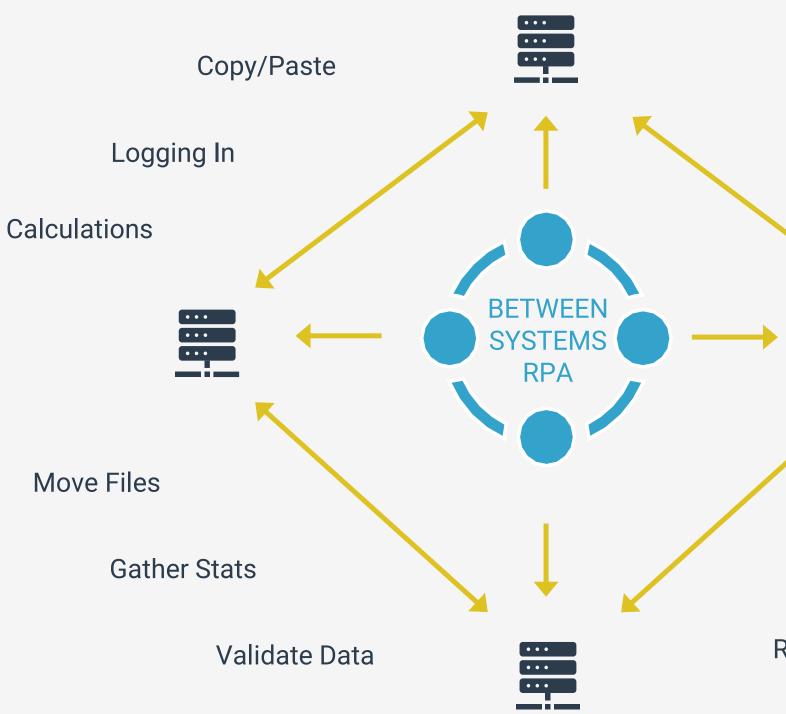






ROBOTIC PROCESS AUTOMATION (RPA) WHAT CAN IT DO?

- Branding Between Systems
- Automate Tasks Across
 Environments



- UIPath
- Blue Prism

Forms Correction

Screen Scraping

Logic Roles/Steps



Move Folders

Extracting Data/Structure

Rewrite to Database



POLL QUESTION





FORMAT XML **EXTENSIBLE MARKUP LANGUAGE**

OLD STYLE ——

This file illustrates Version 2 transmission formats. 01,122099999,123456789,040621,0200,1,65,,2/ 02,031001234,122099999,1,040620,2359,,2/ 03,0123456789,,010,+4350000,,,040,2830000,,/ 88,072,1020000,,,074,500000,,/ 16,,115,450000,8,100000,200000,150000,,,/ 49,9150000,4/ 03,9876543210,,010,-500000,,,100,1000000,,,400,20000 88,500000,,,110,1000000,,,072,500000,,,074,500000,,,04 88,-1500000,/ 16,115,500000,S,,200000,300000,,,LOCK BOX NO.687 49,400000,5/ 98,13150000,2,11/ 02,053003456,122099999,1,040620,2359,,2/ 03,4589761203,,010,10000000,,,040,5000000,,,074,4000 88,400,50000000,,,100,60000000,,,110,20000000,,,072,1 16,218,2000000,V,040622,,SP4738,YRC065321/ 88, PROCEEDS OF LETTER OF CREDIT FROM THE 16,195,1000000,1,../ 49,18000000,6/ 98,18000000,1,8/ 02,071207890,122099999,1,040620,2359,,2/ 03,0975312468,,010,500000,,,190,70000000,4,0,110/ 88,7000000,15,D,3,0,2000000,1,3000000,3,2000000 49,140500000,3/ 98,140500000,1,5/ 02,071207890,122099999,3,040620,2359,,2/ 03,7890654321,,010,800000,...040,6000000,...110,500000 88,4,/ 49,11800000,3/ 98,11800000,1,5/ 99,345450000,4,31/

CHASUS33 940 MIDLGB22 :20:123456 :25:123-304958 :28C:123/1 :60F:C090123USD395212311,71 :61:090123C50000000,NTRFNONREF//8951234 ORDER BK OF NYC WESTERN CASH RESERVE :61:090126C5700000,NFEX036960//8954321 :61:090127C200000,NDIVNONREF//8846543 :86:DIVIDEND LORAL CORP PREFERRED STOCK 1ST QUARTER 2009 :62F:C090123USD451112311,71 :64:C090123USD445212311,71 :65:C090126USD450912311,71 :65:C090127USD451112311,71 :86:PRIME RATE AS OF TODAY 11 PCT

BAI

MT940



CAMT (XML)







Would you buy a bag phone today?





Flexibility – Enriched Data



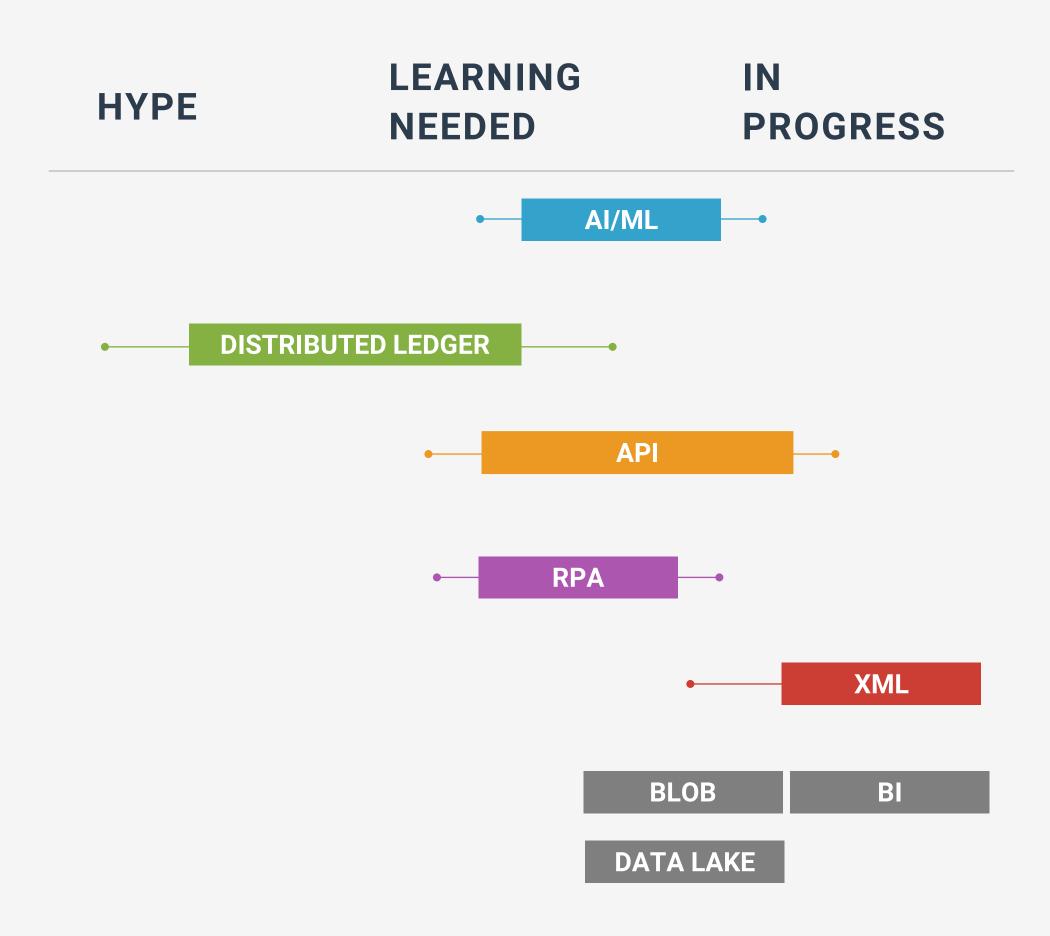
What should you require?



Banks? Tech Providers? Positioning



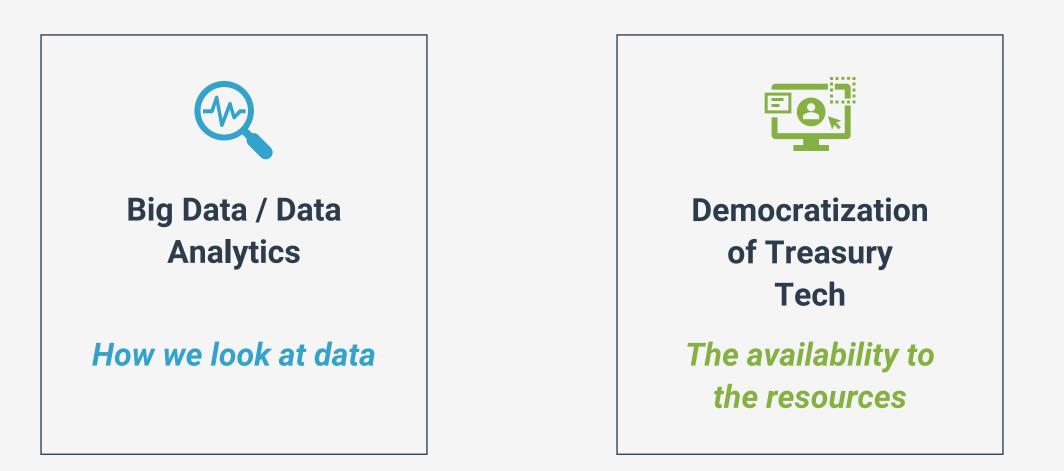
POSITION IN TREASURY



- Example/deploy in system
- Monitor
- Check in/tech vendor
- Assign person
- Primary option going forward
- Learn
- Replace reporting
- Leverage BI resources in firm



WHAT IS THE IMPACT TO US? DATA, PEOPLE AND OUR TECHNOLOGY STACK





Leads to Different Views of the Tech Stack of Finance

- Accounting
- Treasury
- AP/AR

Having access to what they want to know, when they want to know it



People Who Can Use the **New Tools**

Growing the team's ability



POLL QUESTION





KEY TAKEAWAYS



INVENTORY THE OPPORTUNITIES

- What is on your \bullet radar?
- What are others looking at?
- What are others \bullet using? Piloting?



PRIORITIZE

- How do the various \bullet opportunities stack up (vapor vs. real)?
- What is more \bullet important?
- Do you have the \bullet capacity to test or adopt?



PLAN

ullet

•

- a learning organization
- Identifying timeframes, approach to achieve your objectives.

Creating a plan to learn – or become

responsibilities and



PROGRESS

- Monitoring and • calibrating relevant technology developments
- Advancing your • team's learning and facility with tools
- Adopting and ulletexpanding the payoff



LET'S CONNECT

DON'T LET THE LEARNING END HERE... CONTACT US WITH ANY FUTURE QUESTIONS

Thank you for your interest in this presentation and for allowing us to support you in your professional development. Strategic Treasurer and our partners believe in the value of continued education and are committed to providing quality resources that keep you well informed.



STRATEGIC TREASURER

Craig Jeffery, Founder & Managing Partner

- ⊠ <u>craig@strategictreasurer.com</u>
- <u>https://www.linkedin.com/in/strategictreasurer/</u>

Join the Treasury Group on LinkedIn and connect with 7,000+ treasury professionals. https://www.linkedin.com/groups/4221375/

SHARE YOUR THOUGHTS

