DATA CONSTELLATIONS:
Connecting the Dots in Federal Cloud

Seeing Stars

82% of Feds **agree** the amount of streaming data their agency manages is on the rise

Top contributors:

#1 Applications in the cloud

#2 Network control systems

#3 Mobile devices

Black Hole

While nearly all respondents say they're increasingly focused on the importance of data and **85%** agree the ability to draw insights from streaming data is the key to modern decision-making,

Just 53% have a formal strategy for streaming data and **less than a third (31%)** are fully confident in their ability to democratize data originating from a variety of sources

Data Eclipse

Top streaming data management challenges:

#1 Security concerns

#2 The overwhelming volume of data

#3 Reliance on legacy infrastructure

Additionally:

66% struggle with onboarding new data sources into the cloud

And **77%** say their agency's cloud data analytics solution(s) require coding knowledge
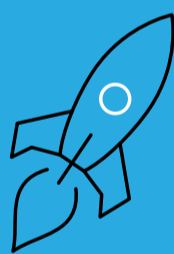
Shine a Light

Still, **89%** are taking steps to better manage streaming data

Most common steps:

#1 Setting consistent data polices for different workloads — **45%**

#2 Developing custom software to handle data movement — **40%**

#3 Replicating governance polices across data sets — **36%**

Championing the Skies

88% want more real-time capture and analysis of data sources

And, nearly all see benefits in adopting effective streaming data solutions:

53% Ability to analyze high volume data

52% Increased data management controls

47% Enhanced data security

46% Predictive and prescriptive analytics

43% Increased scalability of data integration

Going forward, how would you like to use real-time insights from streaming data to advance your agency's mission?

"To improve analytics and efficiency, and streamline reporting"

"To provide critical visibility into failing sensors"

"[For] information exchange at the edge... processing information in real-time using AI algorithms"

Cloudera helps agencies effectively manage real-time data streaming with the right tools to ingest, curate, and analyze data for key insights and actionable intelligence while providing unified security and Edge to Enterprise governance.

To learn more, visit:
https://www.cloudera.com/products/cdf.html

MeriTalk, in partnership with Cloudera, surveyed 150 Federal IT managers in May 2020 to examine streaming data within agencies.*

*100% of respondents were familiar with their agency's use of or plans for data management in cloud environments