

Agenda

- Strategy Fundamentals
 - Needs, Pains, & Drivers
 - The Data Strategy Development Effort
- The Core Components
 - Definitions and Details
 - Scorecard Attributes
 - Real World Scorecard Examples

1630-1715 – Segment #1 1715-1720 - Break 1720-1810 – Segment #2



1348944 DSFSC 22.01 Copyright © 2022. All rights reserved

Data Challenges...

"We need to be able to add data quickly. A new data source should take a few days"

"We use internal and external data. Do we even know what we have?

"With the new privacy laws (CA & NY), are we able to protect and track data usage?"

"You want me to fix the data? I don't own the data; I can't fix it."

"Everyone agrees that the business should own the data. What does that mean?"

"I have to beg, borrow, and steal data to do my job. Why isn't data sharing an obligation?

"We have to approach data differently. Reuse and economiesof-scale is the goal."

"A tool or a new platform won't fix inaccurate data. Until we have governance, we won't have the mechanisms to fix and maintain the data"



1341729

DSFSC 22.01 Copyright © 2022. All rights reserved.

What is Strategy?

A method or plan chosen to bring about a desired future, such as achievement of a goal or solution to a problem.

Business Dictionary of the control of the

a careful plan or method for achieving a particular goal usually over a long period of time

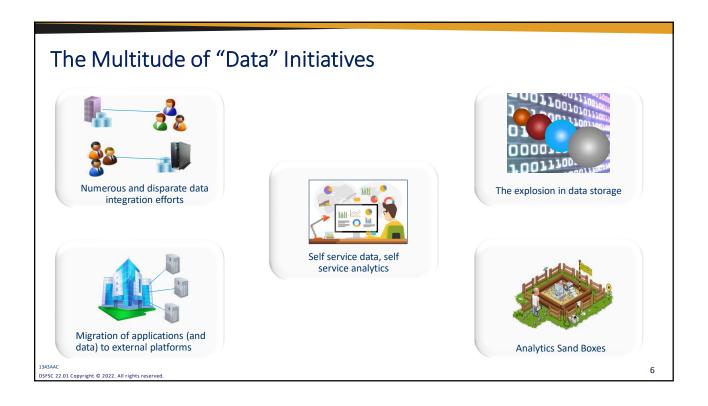


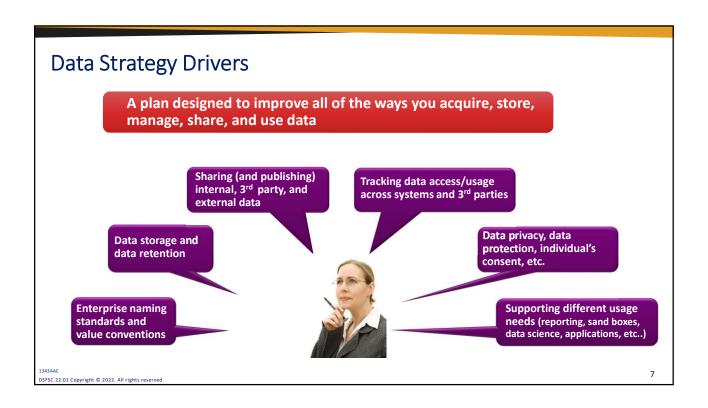
Strategy is different from vision, mission, goals, priorities, and plans. It is the result of choices on where to play and how to win, to strategy+business maximize long-term value

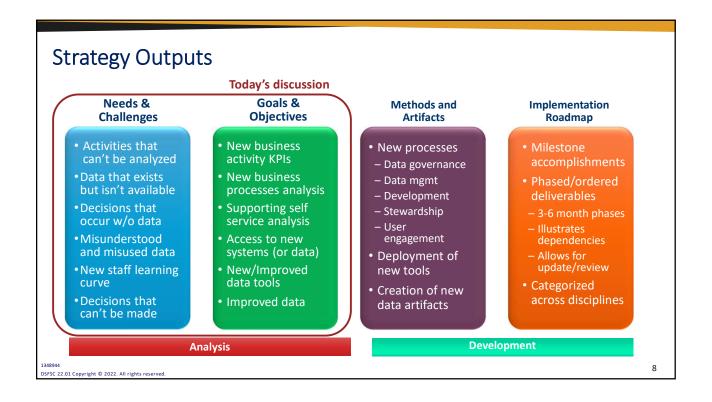
....as there is always an element of uncertainty about the future, strategy is more about a set of options ("strategic choices") than a fixed plan

133EF54 DSFSC 22.01 Copyright © 2022. All rights reserve

e Business Impact	
Dasiness impact	
Underlying cost drivers	Relative cost
Find	
dig, search, ask, collect, consolidate	40 %
Analyze	
develop, document, test, query, report	20 %
Validate	
review, compare, await feedback	10 %
Defend	
prepare, meet, discuss, explain, convince, justify	30 %
ight © 2022. All rights reserved.	









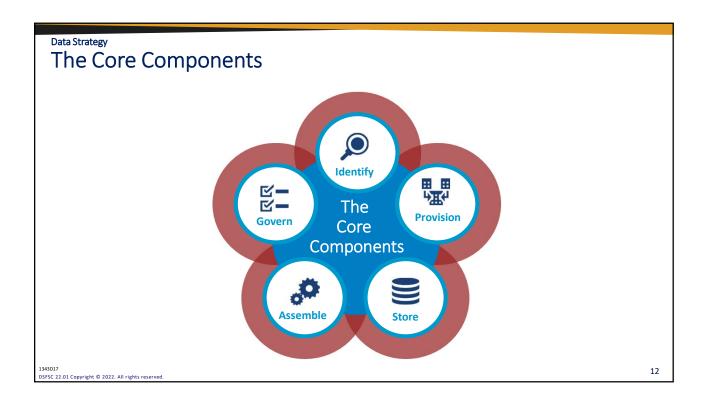
The Value of a Data Strategy...

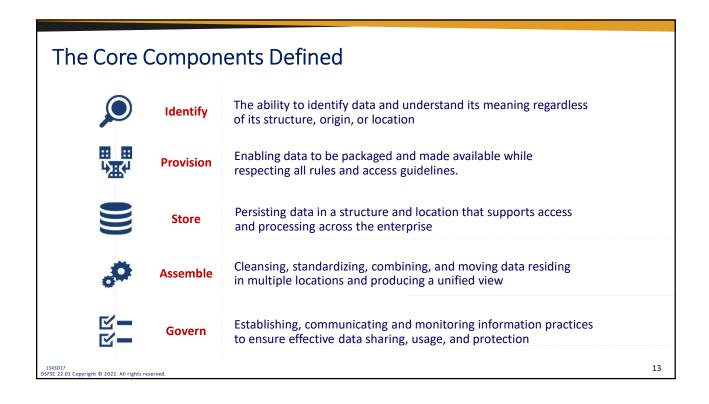
- Establishes common goals and objectives across projects
- Involves a cross-functional set of stakeholders from IT and business areas
- Allows for the creation of common methods and practices across development projects
- Provides a method for approving (or dismissing) new datacentric project requests
- Aligns developers and end users as data consumers

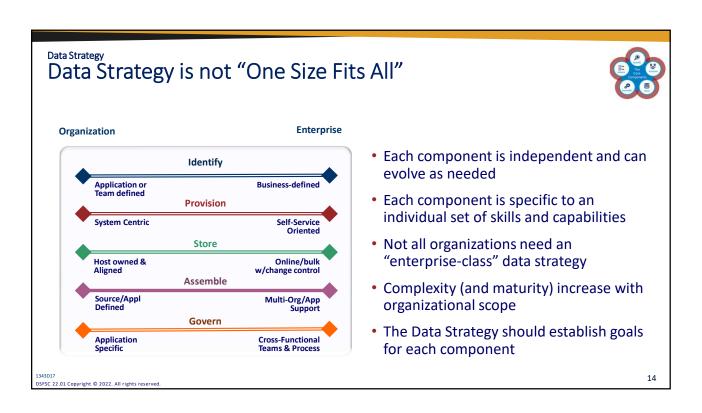
A Data Strategy serves as a common thread across initiatives

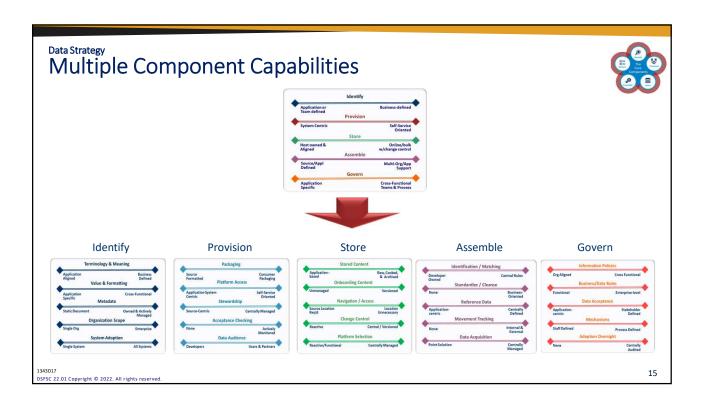
1337BBE DSFSC 22.01 Copyright © 2022. All rights reserved

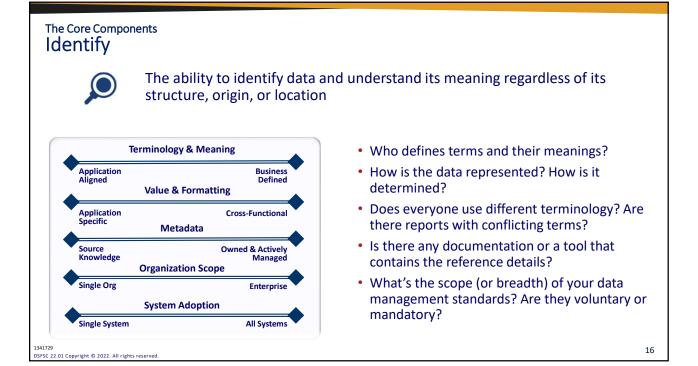


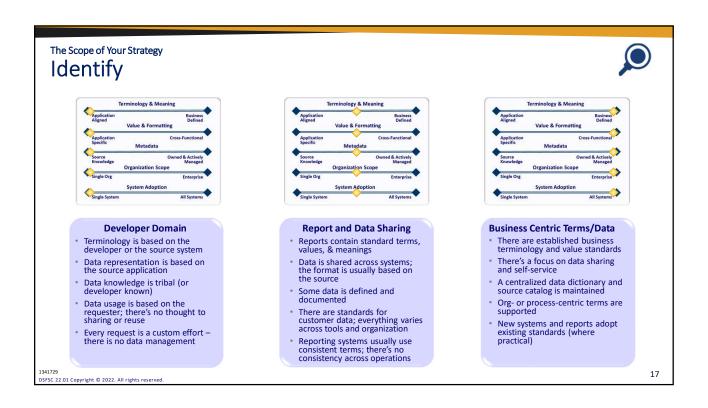


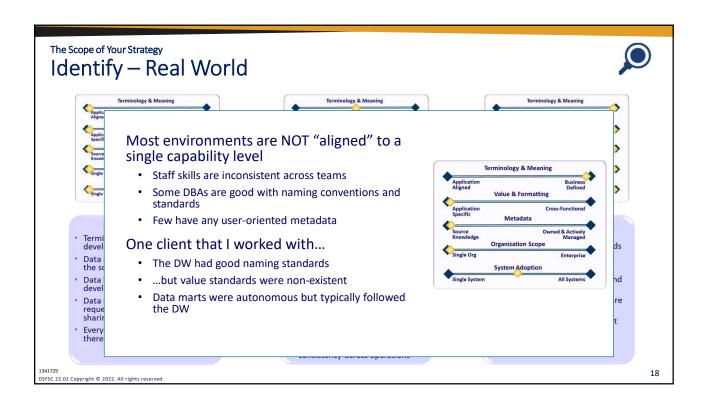


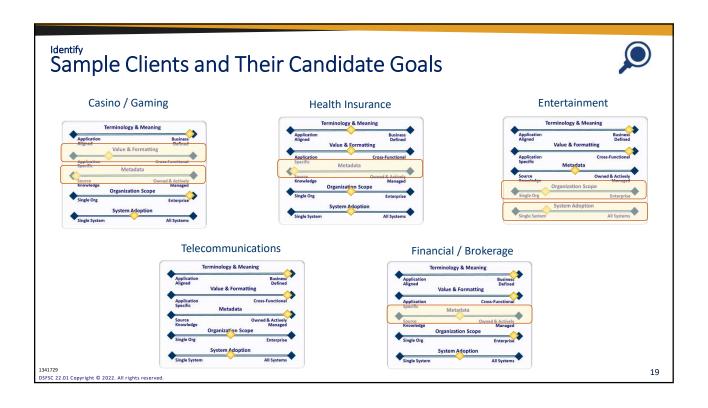


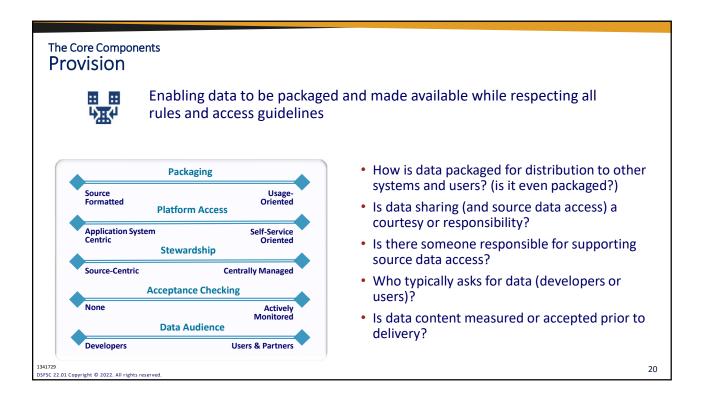


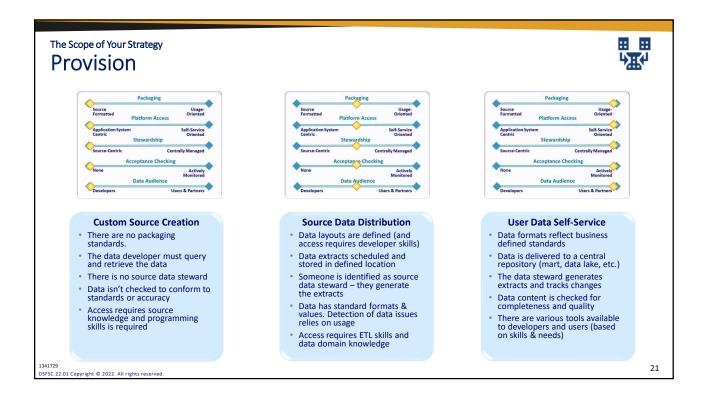








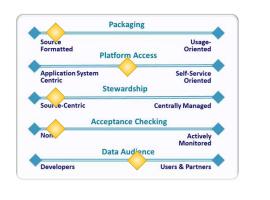




Example #1: Data Provisioning

We have a DW and several data marts. We receive data from systems nightly.

- Source extracts are created using a vendor utility.
 The files change at least once a year (due to SW upgrades)
- The DW is supported by a central team; each DM is supported differently
- We receive external data from a few providers.
 Everyone manages it individually
- If users want new data, they are dependent on developers for the DM and DW.
- Lots of users load data onto their own systems and analyze with Excel (and other tools).
- If we have problems with data it's usually found by users after it's been loaded (or not loaded)

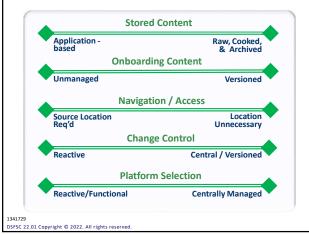


1348944 DSFSC 22.01 Copyright © 2022. All rights reserved.

The Core Components Store



Persisting data in a structure and location that supports access and processing across the enterprise



- Is there a central copy of data to share, or does each system maintain its own copy?
- How do you determine available data assets (how does someone find it)?
- How do you share or store an internally created data set?
- How do you hear if a source generated data set changes (layout, format, etc.) ?
- Who decides where the data is stored (last month? Last year? Last 5 years)?

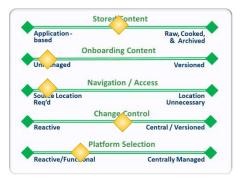
23

The Scope of Your Strategy Store **Application-Centric** Application/System Sharing **Usage Oriented** Data is stored in raw and ready-to-· Data formats and layouts reflect Data layout is based on source; source application. Changes are common (and unexpected) the format is consistent use format and documented External data exists but it's External data is documented like all There's no documentation or detail of acquired data available via word-of-mouth sources and made available Source data is available via extracts (with developer skills and location knowledge) Source data is available via a data lake or extract that is documented Data access requires developer skills, permission, and knowledge · Data change control is a production Source changes are common but production profiling jobs identify those issues Source data changes are common, frequent, and a surprise Source and business data is documented and centrally managed Data storage is based on developer discretion. Historical data exists in a DW; source content is managed by individual systems SFSC 22.01 Copyright © 2022. All rights reserved

Example #2: Storage

We have a diverse set of analytical capabilities and a large number of servers / data marts supporting these diverse needs.

- If developers want data they request an extract.
 We have hundreds of custom source extracts
- Each analytics team is responsible for their own budget. Some have premise systems, others use the cloud. Everyone will be in cloud over the next 18-24 months
- We have production change control but it doesn't include impact to extracts or data
- Because of our budgeting process, all analytical apps are silos. IT manages HW/SW platforms and cloud, but there is not resource sharing



348944

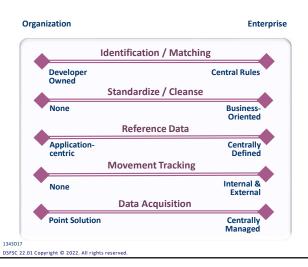
DSFSC 22.01 Copyright © 2022. All rights reserved

25

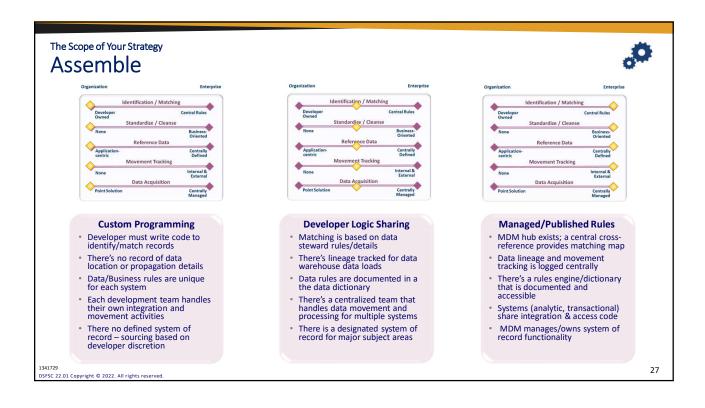
The Core Components Assemble

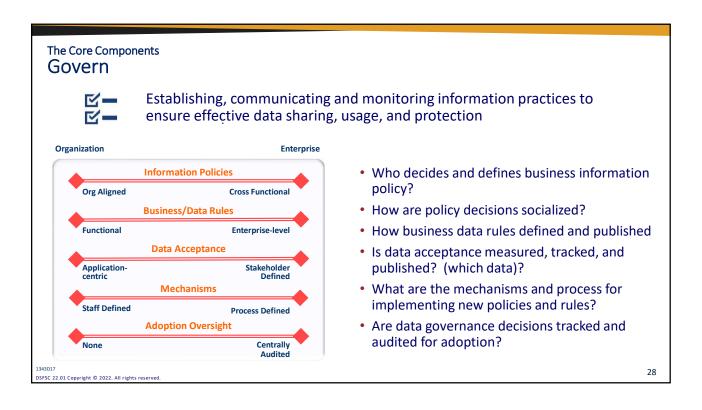


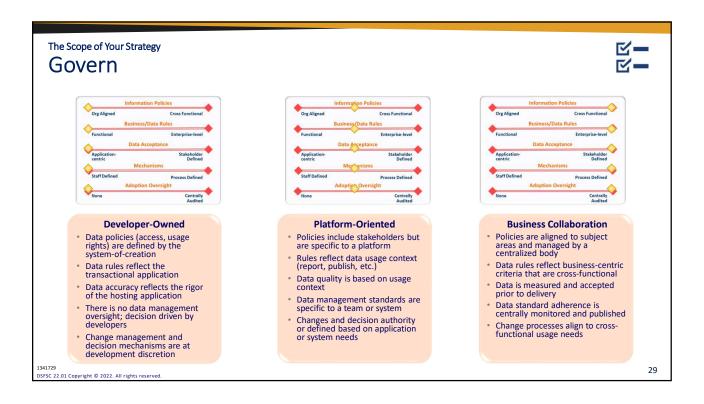
Cleansing, standardizing, combining, and moving data residing in multiple locations and producing a unified view



- How do developers determine the match logic across different data sources?
- Which elements should be retained from which source after integration?
- Will the data be standardized and/or cleansed?
 If so, how?
- What is the source of reference data?
- Is there any tracking of data source movement within your company? Outside your company?



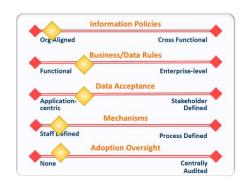




Example #3: Governance

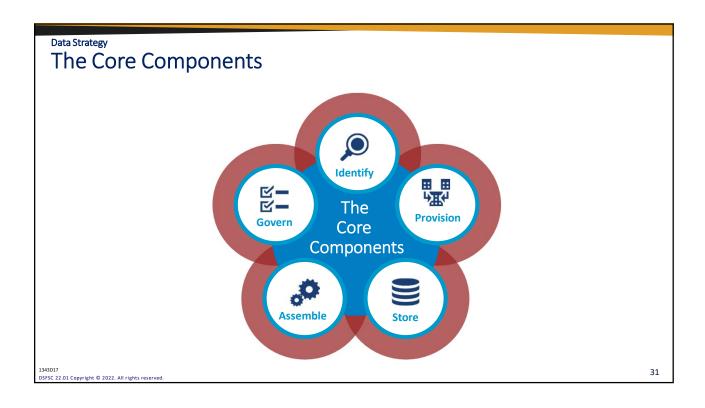
We have a data governance program. It's a "bottom-up" program that's focused on data standards and data quality.

- Our DG team has built a data glossary and established terminology and value recommendations
- The DW follows DG recommendations. No IT system is required to follow the standards
- We have a lot of consumer data (incl. non-US consumers. We're in the midst of implementing a new data privacy and protection initiative
- We don't have a single/central information policy authority. There are lots of rules and they are managed by individual orgs (legal, HR, etc.)
- There's nothing in place to measure the adoption and use of standards or rules



30

1348944 DSFSC 22.01 Copyright © 2022. All rights reserved



What We're Telling Folks...

A Data Strategy isn't a "once and done" activity

- It's an an ongoing program that identifies and refines deliverables on a regular basis
- Must include goals (with a business benefit) that are measurable
- Addressing changing business needs is the norm
- The Scorecard is used to target short and long term investment
 - It's not a pass/fail grading tool; it helps identifies strengths and needs
 - The goal is not perfection. The goal is improved productivity
- A Initial Data Strategy shouldn't include everything
 - "A plan designed to improve all of the ways you acquire, store, manage, share, and use data"
 - Focus on the components where investment is practical

1348944 DSFSC 22.01 Copyright © 2022. All rights reserved.



