

Your checklist for creating a better **data model**

Your data model sets out how your data is used across your entire organization. Get it right, and a chief data officer can transform themselves into a true business enabler.

This is by no means an exhaustive list, but ensuring you've considered everything below will give you a great start to a better data model.



Have you considered all of the following in the design and implementation of your data model?

Are they meeting both technical and business expectations across all your key domains? These include:

- data definitions
- metadata descriptions
- data types
- formats
- constraints
- rules
- uniqueness (e.g. Primary Keys in relational database systems)

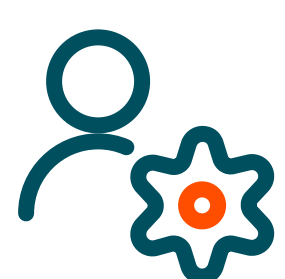


Do you have total transparency over all requirements for access rights, compliance and regulations?

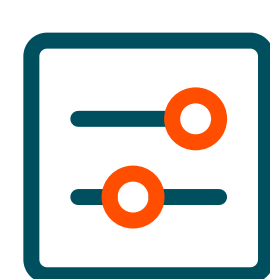
Many regulatory frameworks (such as GDPR, HIPAA, and others) must be considered for personal or sensitive data e.g. Personally Identifiable Information (PII) or medical history, with appropriate permissions and guardrails placed around access, usage, and CRUD (Create, Read, Update, Delete).



Does your model allow the end user to identify a single, unambiguous golden record, irrespective of database type (e.g., RDBMS, NoSQL, Graph)?



Do you have clearly defined roles and responsibilities, ownership, and accountability for the data model and the business owner of the data itself?

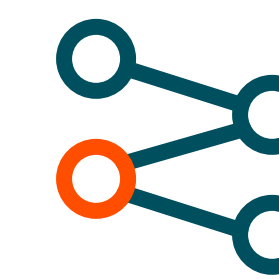


Do you have controls in place to ensure data is only shared or published to those with appropriate permissions and in the appropriate format?



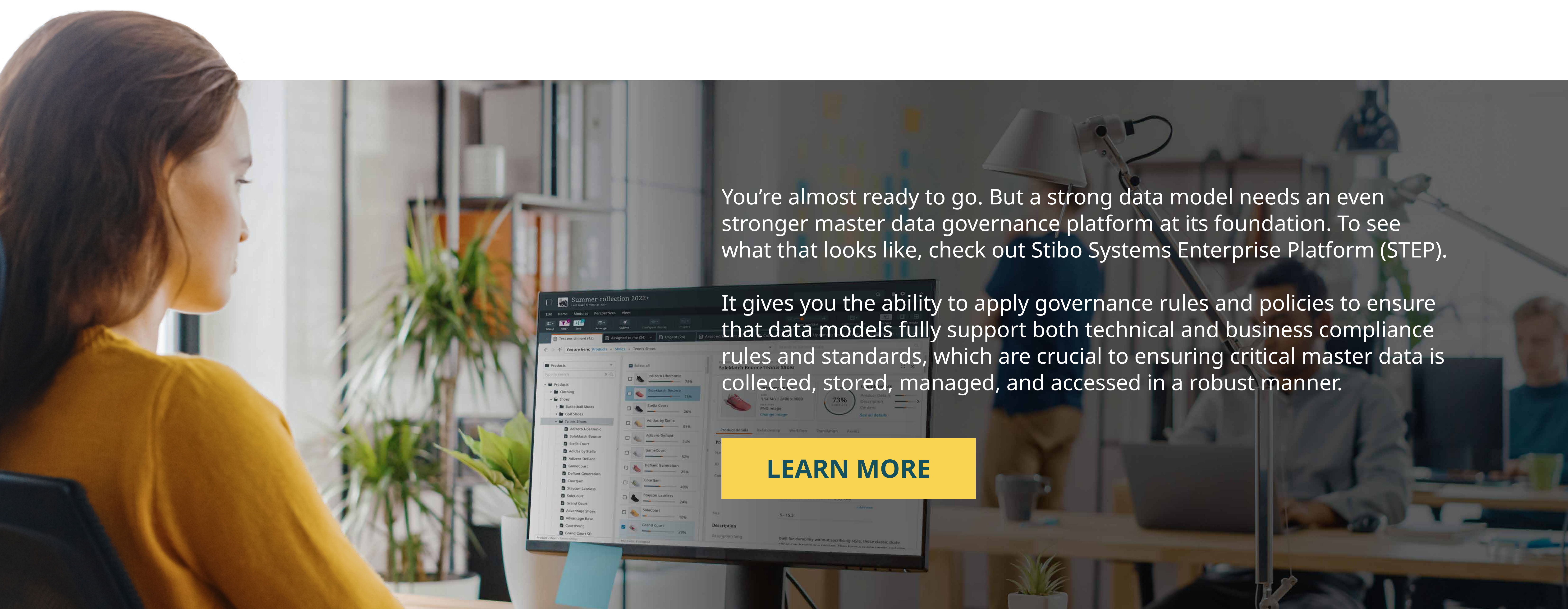
Have you established agreed business glossaries?

These define the meaning of the entities and attributes in the data model, so all users have a mutual understanding.



Does your data model accommodate the ability to 'track changes'?

This provides crucial logs and audit trails which describe 'who and how' data has been accessed and changed over time, and for what purpose.



You're almost ready to go. But a strong data model needs an even stronger master data governance platform at its foundation. To see what that looks like, check out Stibo Systems Enterprise Platform (STEP).

It gives you the ability to apply governance rules and policies to ensure that data models fully support both technical and business compliance rules and standards, which are crucial to ensuring critical master data is collected, stored, managed, and accessed in a robust manner.

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