

DATA DAY OUT

Prepare & Manage Your Data with Tableau

Graeme Britz

Senior Product Manager, Data Management
Tableau

Agenda

Visually clean and shape data with Tableau Prep Builder

Operationalize data prep with Prep Conductor

 Understand data usage, communicate trusted data, and find data with Tableau Catalog

Order Number	Customer Identifer	Order Status Reque	WITH cteSource (StaffMember, EventDateTime, EventType	
201766-6300005	C00005	Complete	AS (SELECT StaffMember ,	Section 1 - Guardians by Market by Date Section 2- Contactable by Market by Date Section
201766-6300014	C00014	In Transit	CAST(EventDate AS DATETIME)	
201766-6300017	C00017	Processing	+ CAST(EventTime AS DATETIME)	ADO NET Source 1 ADO
201766-6300024	C00024	Complete	EventType ,	
201766-6300026	C00026	Complete	ROW_NUMBER() OVER (PARTITION BY	Ţ
201766-6300054	C00054	In Transit	ORDER BY EventDate, Even	Flat File Destination Flat File Destination 1
201766-6300055	C00055	Complete	FROM dbo. StaffHours	Flat File Destination
201766-6300083	C00083	Complete)	
201766-6300105	C00105	In Transit	stoCrouped (StoffMombor EventDoteTime arm)	Section 6 - Aged 18-24 Section 7 - Aged 25-34 Sectio
201766-6300106	C00106	In Transit	cteGrouped (StaffMember, EventDateTime, grp)	
201766-6300115	C00115	Complete	AS (SELECT c.StaffMember ,	ADO NET Source 5 ADO NET Source 6
201766-6300126	C00126	In Transit	c.EventDateTime ,	
201766-6300135	C00135	Complete	ROW_NUMBER() OVER (PARTITION BY C	
201766-6300138	C00138	In Transit	ORDER BY c.EventDateT	Flat File Destination 5 🔞 💛 Flat File Destination 6 🔞
201766-6300141	C00141	Complete	- 1 AS grp	
201766-6300142	C00142	In Transit	FROM cteSource AS c	Why Join - Total Answers Why Join - Answered Enjoy Malts Why Join
201766-6300144	C00144	In Transit	LEFT JOIN cteSource AS p	
201766-6300152	C00152	In Transit	ON p.StaffMember = c.StaffMember	ADO NET Source 12 ADO NET Source 13
201766-6300157	C00157	In Transit	AND p.rn = c.rn - 1	
201766-6300161	C00161	In Transit	LEFT JOIN cteSource AS n	Flat File Destination 12 🔞 Flat File Destination 13 🔞 🛶
201766-6300165	C00165	Processing	ON n.StaffMember = c.StaffMember	How Often - Total Answers How Often - Answered Every Week How Often
201766-6300171	C00171	In Transit	AND $n.rn = c.rn + 1$	now Often - Total Answers
201766-6300177	C00177	In Transit	WHERE (COALESCE(p.EventType, 'Exit') = '	ADO NET Source 15 ADO NET Source 16
201766-6300185	C00185	In Transit	AND c.EventType = 'Enter'	, 100 Hz. 50Hz 25
201766-6300187	C00187	Processing)	Flat File Destination 15 🔞 Flat File Destination 16 🚳
201766-6300191	C00191	In Transit	OR (c.EventType = 'Exit'	That he bestington to
201766-6300197	C00197	In Transit		Purchase Range - Total Answers Purchase Range - 12 Year Old Purcha
201766-6300222	C00222	Complete	AND COALESCE(n.EventType, 'Ent	
201766-6300224	C00224	In Transit	,	ADO NET Source 21 ADO NET Source 22
201766-6300225	C00225	In Transit	CELECT Chaffinanhan	
201766-6300232	C00232	In Transit	SELECT StaffMember ,	Flat File Destination 21 🔞 Flat File Destination 22 😣
201766-6300235	C00235	Complete	<pre>MIN(EventDateTime) AS EventDateTime ,</pre>	Other Whiskies - Total Answers Other Whiskies - Glenfiddich
201766-6300255	C00255	Complete	<pre>MAX(EventDateTime) AS ExitDateTime ,</pre>	Other Whiskies - Ideal Answers Other Whiskies - Ab
2017512-600416	C00416	Complete	DATEDIFF(SECOND, MIN(EventDateTime), MAX(Eve	ADO NET Squree-20 ADO NET Source-29 ADO NET Source
2017515-600416	C00416	Complete		
2017515-600417	C00417	Complete	CONVERT(CHAR(8), DATEADD(SECOND,	
2017516-600563	C00563	Complete	DATEDIFF(SECOND, MIN(EV	Flat File Destination 28 😢 Flat File Destination 29 🔞 Flat File De
2017516-600566	C00566	Complete	<pre>MAX(EventDateTime)),</pre>	
2017516-600568	C00568	Complete	'00:00:00'), 8) A	
2017516-600568	C00568	Complete	FROM cteGrouped	
2017516-600571	C00571	Complete	GROUP BY StaffMember ,	When the Glenlivet - Total Answers when the glenlivet - on my own at home when the
2017516-600596	C00596	Complete	grp / 2	ADO NET Source 37 ADO NET Source 38
2017516-600598	C00598	Complete	HAVING $COUNT(*) = 2;$	ADO NEI JOUICE 37
2017516-600611	C00611	Complete	TAVING COUNT (*) - 4,	
2017516-600621	C00621	Complete		Flat File Destination 37 😢 Flat File Destination 38 😢
2017516-600625	C00625	Complete		Flat File Destination 37 🔞 Flat File Destination 38 😢
2017516-600631	C00631	Complete		

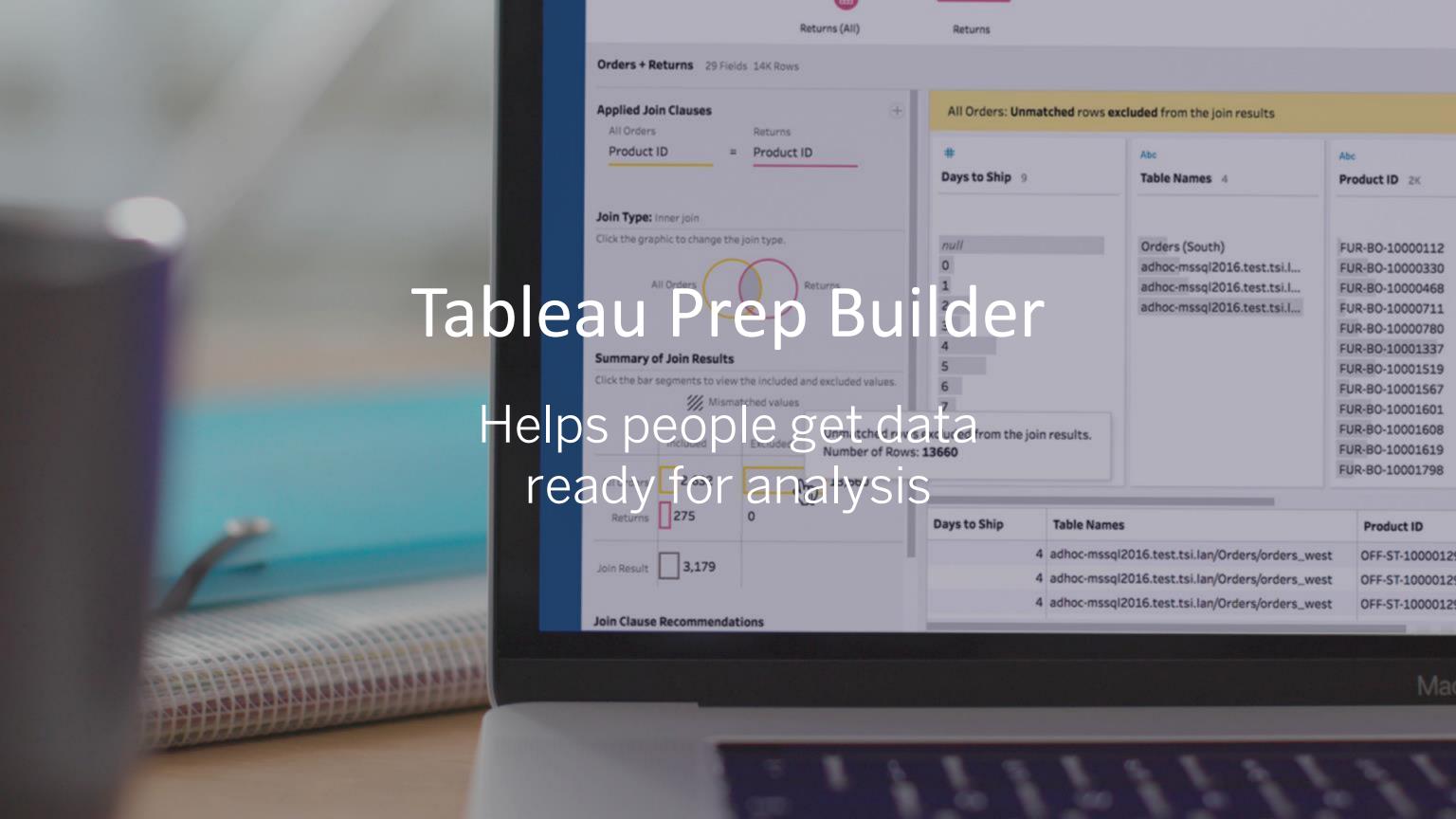
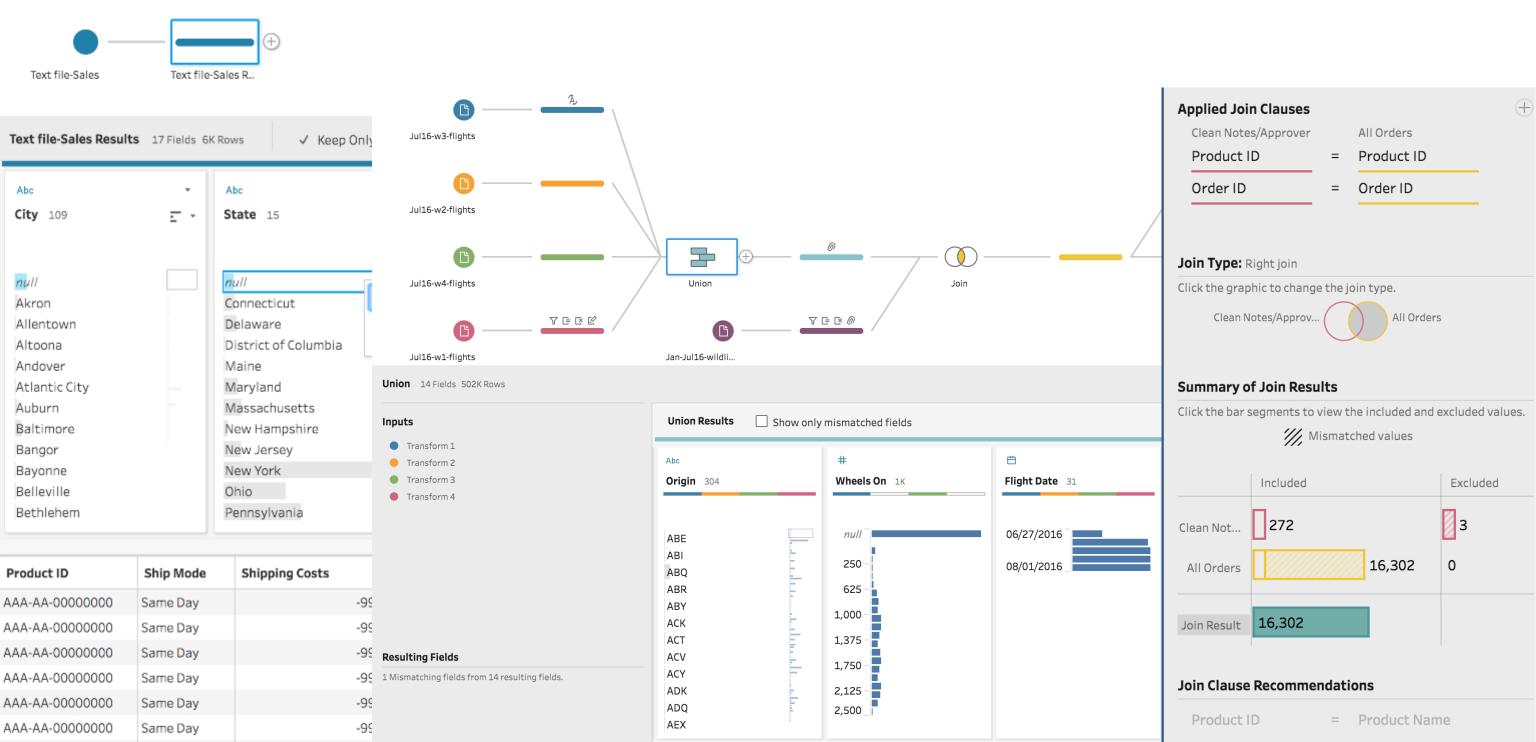


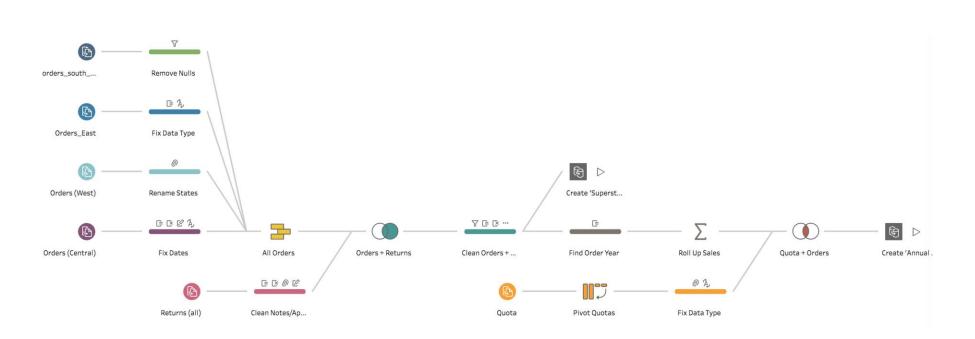
Tableau Prep Design Principles

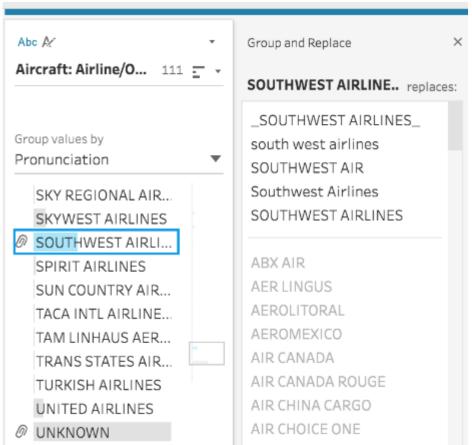
Visual & Direct



Smart

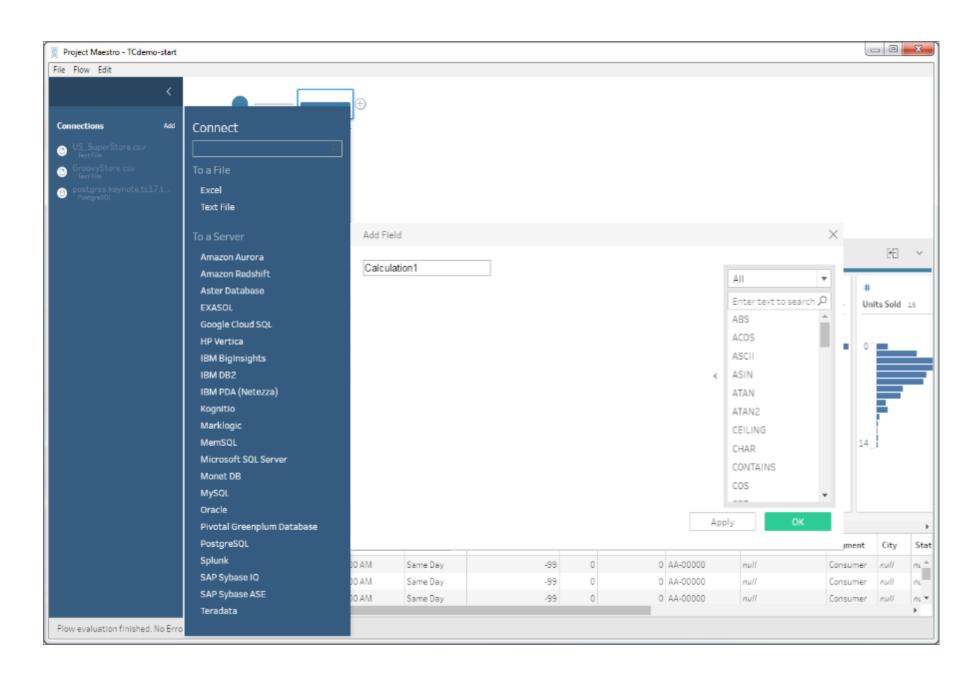
Add algorithms to augment human intelligence







Integrated

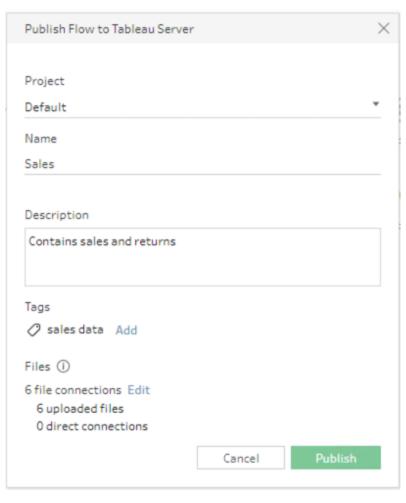


- Open in Tableau
- Common Tableau Platform
- Publish to Tableau (curation, recommendations)

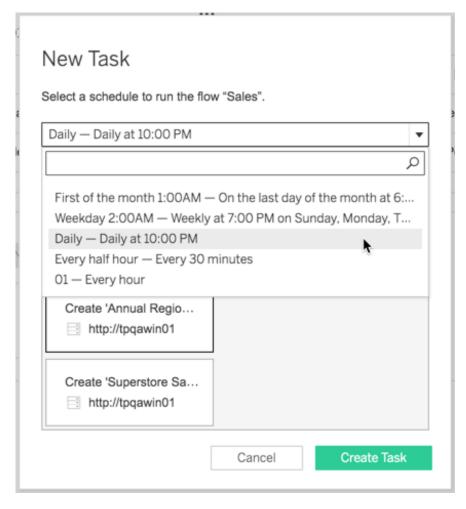


Operationalize with Prep Conductor

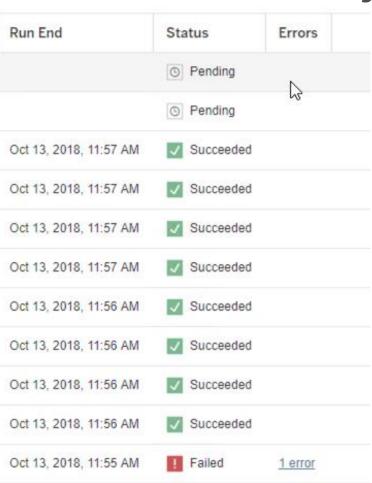
Publish Flows



Schedule Refreshes

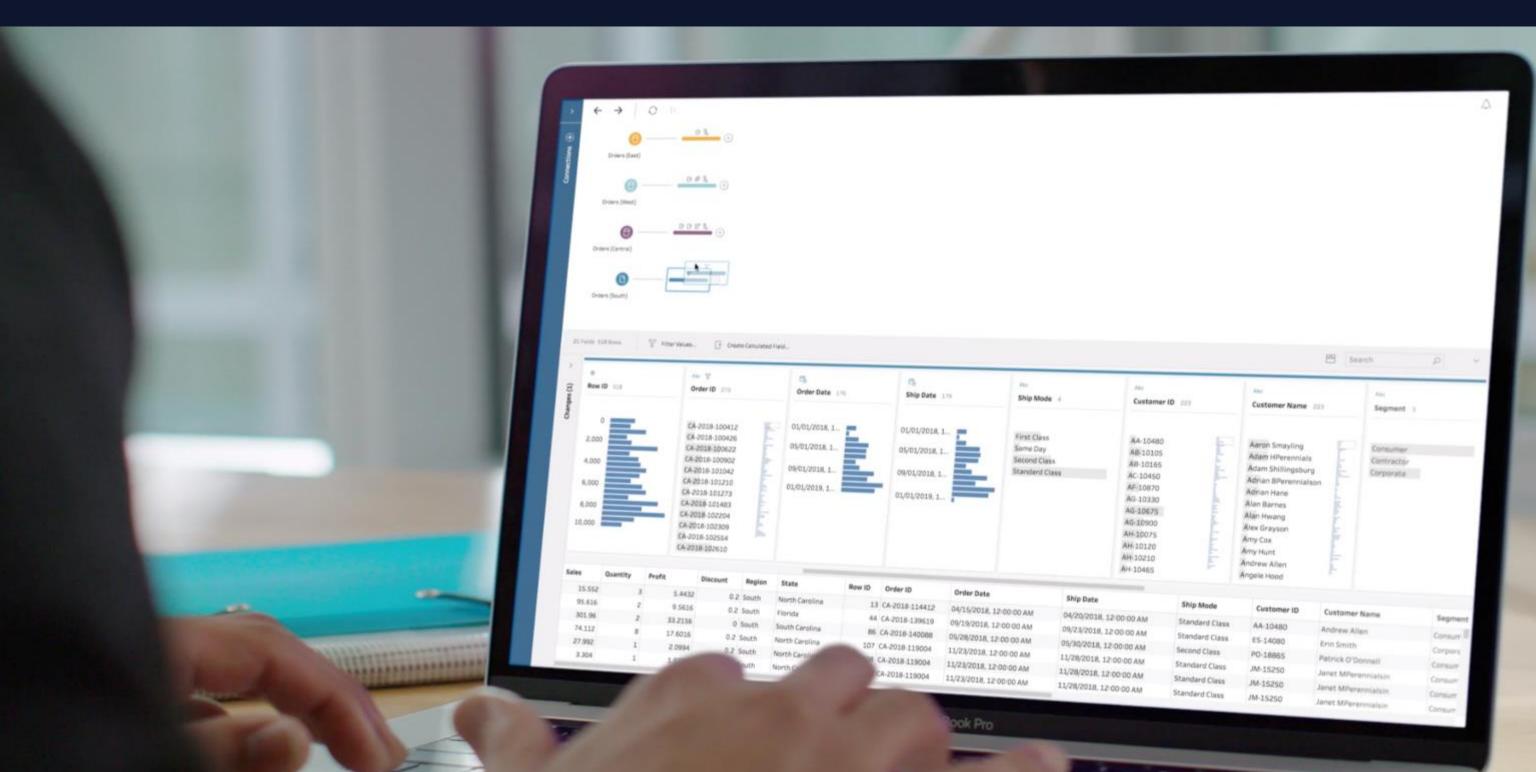


Alerts & See History





Demo



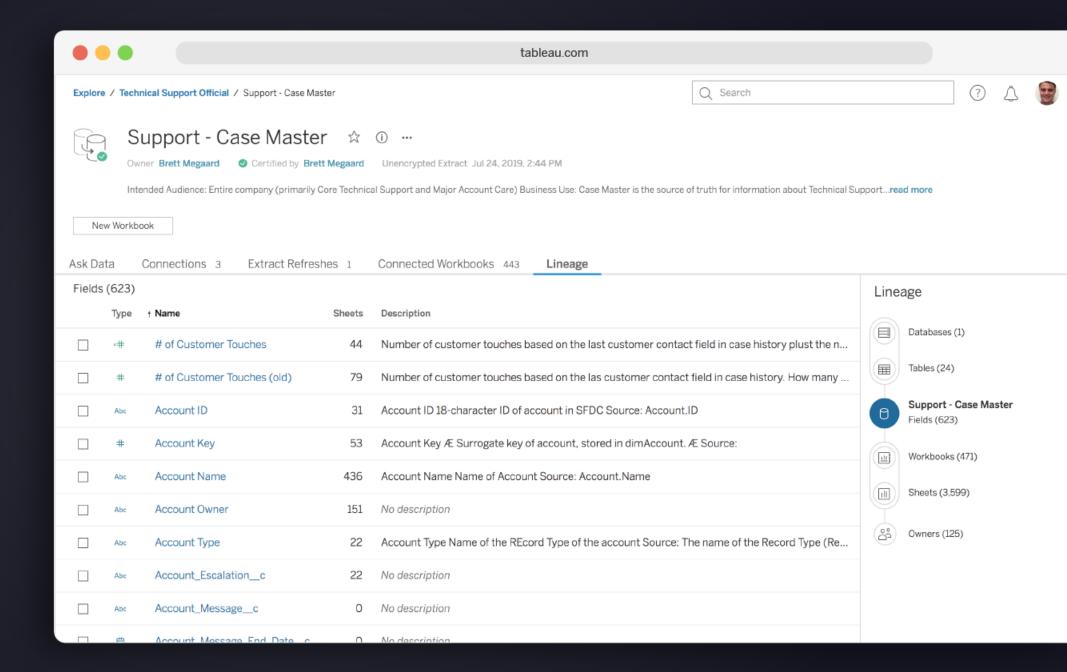
Visibility

Trust

Discovery

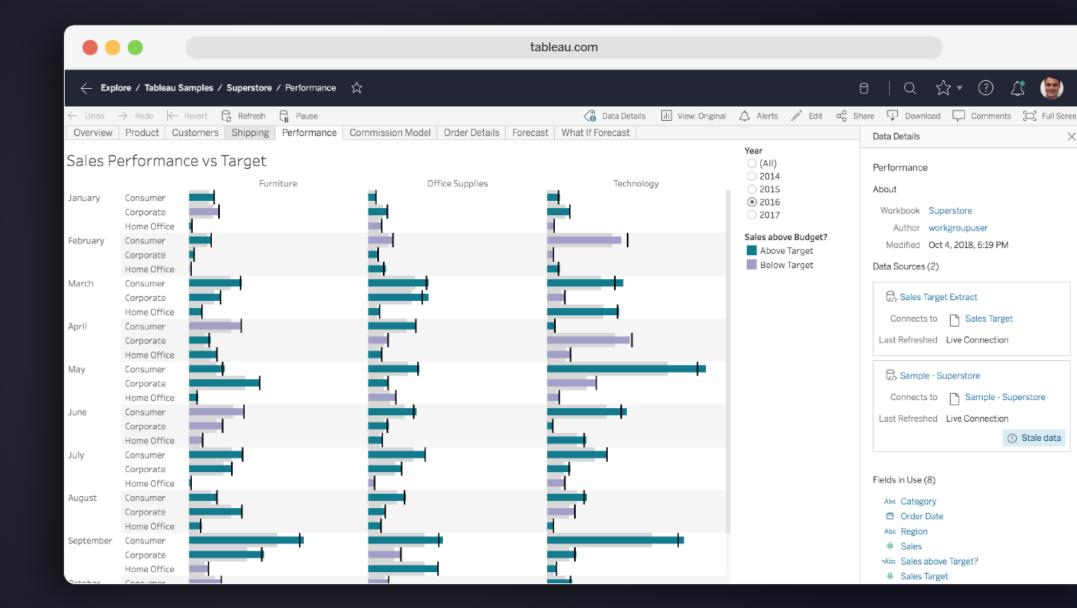
Extensibility

Visibility



Visibility

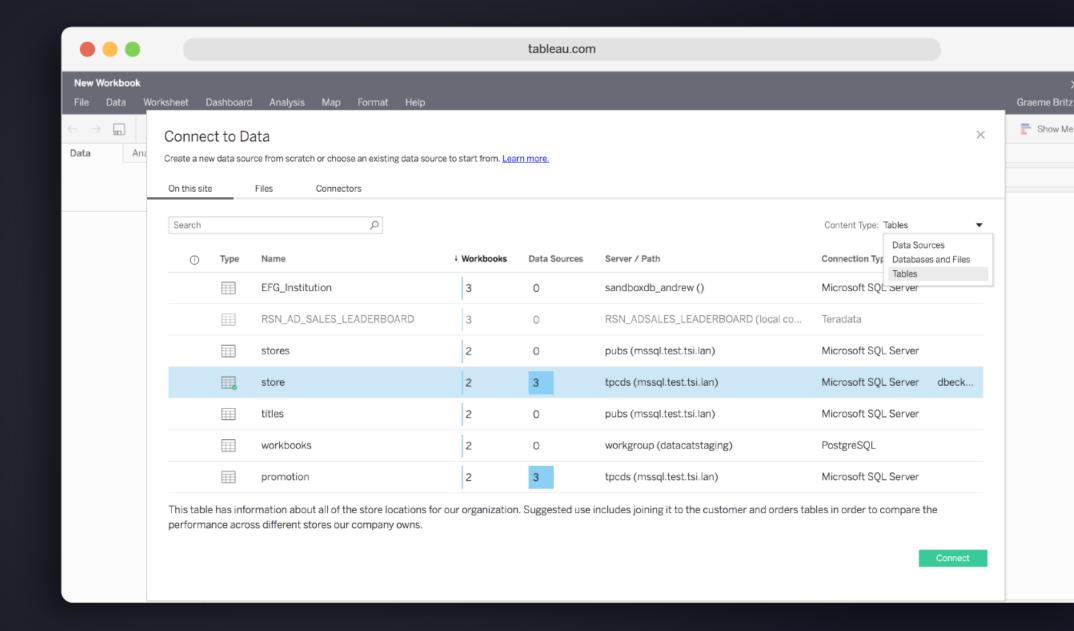
Trust



Visibility

Trust

Discovery



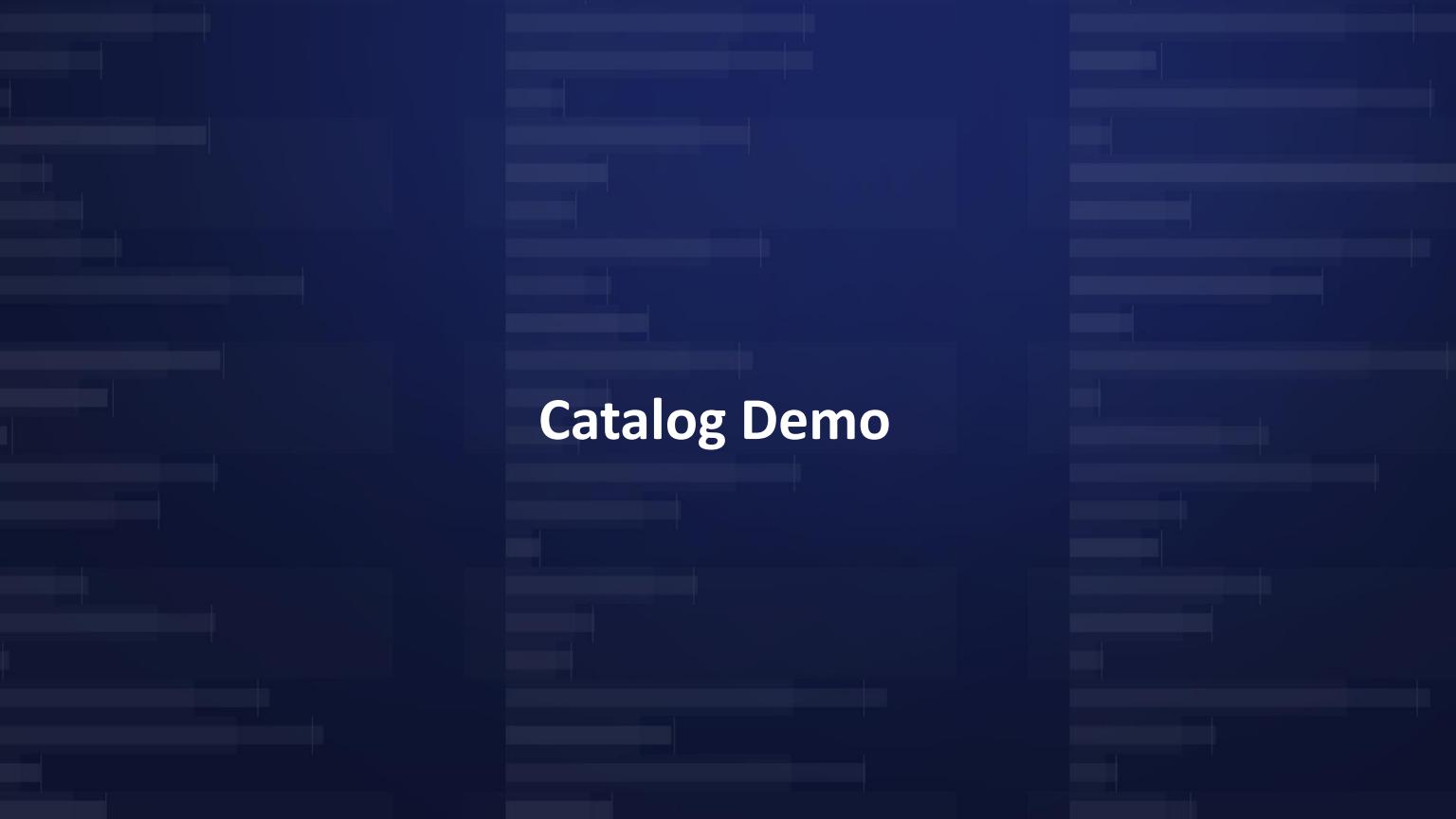
Visibility

Trust

Discovery

Extensibility

```
GraphiQL
                         Prettify History
                                                                                                                               databaseTables
                                                                                                                                                      DatabaseTable
                                                                                                                               Q Search DatabaseTable...
1 - {
       databaseTables {
                                                        "data": {
                                                                                                                               table that is contained in a database
         downstreamSheetsConnection {
                                                          "databaseTables": [
           totalCount
           nodes {
                                                               "downstreamSheetsConnection": {
                                                                                                                               IMPLEMENTS
                                                                "totalCount": 17,
                                                                "nodes": [ 🚗 ]
                                                                                                                               Table
8
9
                                                               "downstreamWorkbooksConnection": {
                                                                                                                               Warnable
10 -
         downstreamWorkbooksConnection {
                                                                "totalCount": 5,
11
           totalCount
                                                                 "nodes": [
12
           nodes {
                                                                                                                               FIELDS
13
             id
                                                                     "id": "09379ea1-b9b4-296d-8c4f-b595a5d14822"
14
                                                                                                                               id: ID!
15
16
                                                                     "id": "ab826b5b-30e6-6bc3-a52d-47ddf02bde4a"
                                                                                                                               Unique identifier used by the metadata API. Not...
17 -
         downstreamFlowsConnection {
18
                                                                                                                               vizportalld: String!
           totalCount
19
           nodes {
                                                                     "id": "ad305dfe-7457-62d6-60cc-55e31dc99b03"
                                                                                                                               Vizportal ID of this table, for use in client-to-ser...
20
             name
21
22
23
                                                                                                                               luid: String!
                                                                     "id": "d2c90de1-481c-8e3a-95b9-555d0d0cba0e"
                                                                                                                               Locally unique identifier used for the REST API ...
24 -
         downstreamDatasourcesConnection {
25
           totalCount
                                                                     "id": "d9766356-52e4-20bb-c23c-17ab5494db44"
                                                                                                                               name: String
26
           nodes {
                                                                                                                               Name shown in server and desktop clients
27
             name
28
                                                                                                                               isEmbedded: Boolean
29
30
31
32
                                                               "downstreamFlowsConnection": {
                                                                "totalCount": 0,
                                                                                                                               True if this table is embedded in Tableau content
                                                                "nodes": []
                                                                                                                               schema: String
                                                               "downstreamDatasourcesConnection": {
                                                                                                                               Name of table schema
                                                                "totalCount": 2,
                                                                "nodes": [
                                                                                                                               fullName: String
                                                                     "name": "SuperStore Orders (Master)"
                                                                                                                               Fully qualified table name
                                                                                                                               description: String
                                                                      "name": "Global SuperStore"
                                                                                                                               User modifiable description of this table
                                                                                                                               contact: TableauUser
                                                                                                                               Contact for this table
                                                               "downstreamSheetsConnection": {
                                                                                                                               isCertified: Boolean
                                                                "totalCount": 10,
                                                                                                                                True if this database table has been marked as ...
                                                                "nodes":
```



Questions?