

*Lumel*



PowerTable  
by Lumel

# PowerTable

## Creating your First App



Microsoft Fabric

## Prerequisite

- You must have the PowerTable workload already assigned to your workspace capacity.
- For additional details, refer to the Workload Setup Guide in <https://powertable.com/getting-started/>

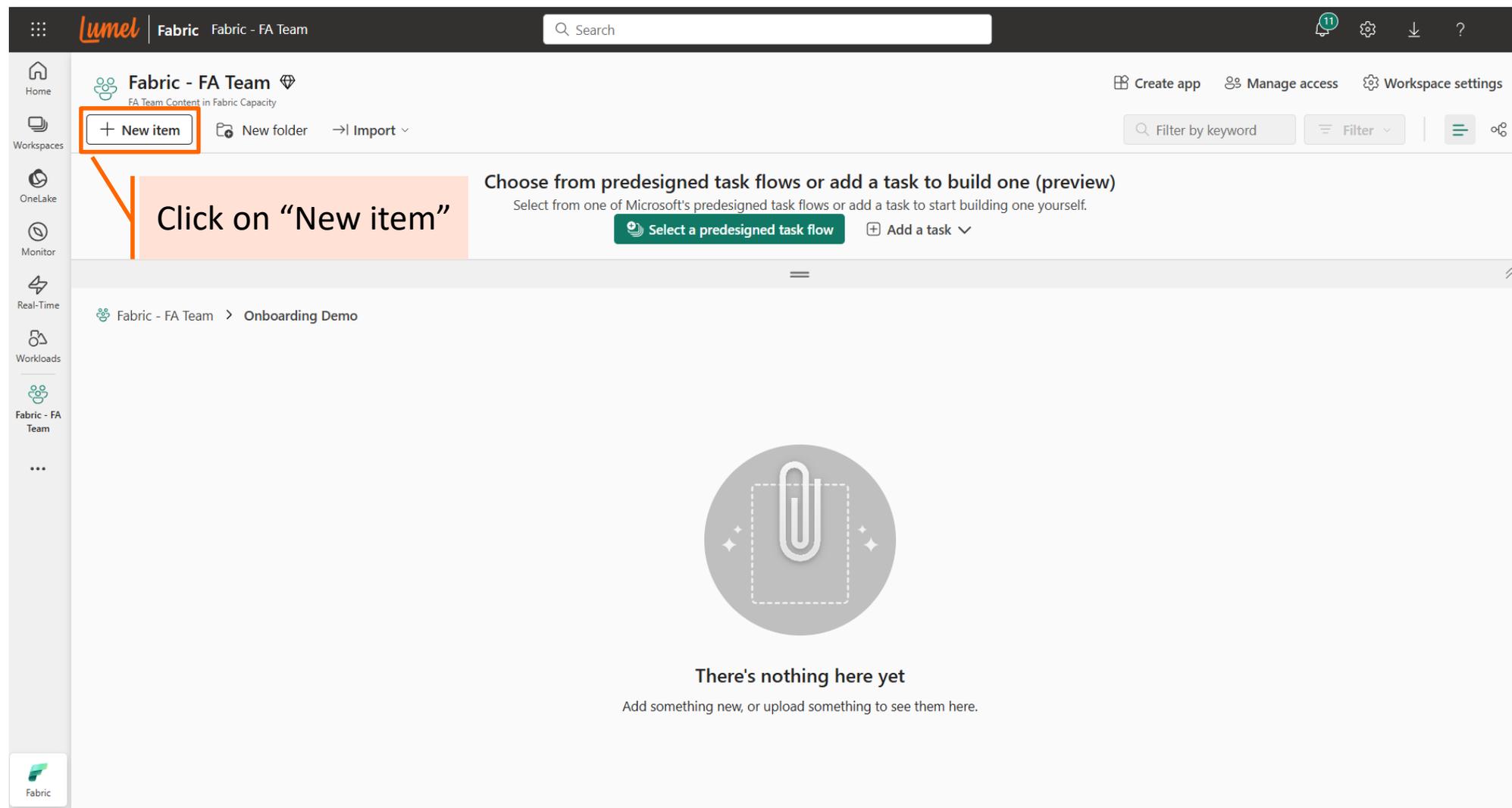
# 1. Start from Microsoft Fabric Home

The screenshot displays the Microsoft Fabric Home interface. The top navigation bar includes the Lumel logo, 'Fabric Home', a search bar, and utility icons. The left sidebar contains navigation options: Home, Workspaces (highlighted with an orange box), OneLake, Monitor, Real-Time, Workloads, Fabric Workload..., and Loading... The main content area features a 'Welcome to Fabric' header with a 'Learn more' link. Below this is a row of ten workspace templates: 'New workspace', 'General', 'Basic data analytics', 'Data analytics using a SQL ...', 'Medallion', 'Event analytics', 'Lambda', 'Sensitive data insights', 'Basic machine learning models', and 'Event medalli'. A 'Learn more about Fabric' section follows, containing five tutorial cards: 'What is Microsoft Fabric?' (with a video icon), 'Ingest data into Fabric' (with a data flow icon), 'Build a lakehouse' (with a lakehouse icon), 'Build a warehouse' (with a warehouse icon), and 'Build a...' (partially visible). A 'Show less' link is located at the bottom right of this section. The 'Quick access' section at the bottom includes buttons for 'Recent workspaces', 'Recent items', and 'Favorites', along with search and filter options.

## 2. Navigate to your workspace folder

The screenshot displays the Lumel Fabric Home interface. On the left, a vertical sidebar contains navigation options: Home, Workspaces (highlighted with an orange box), OneLake, Monitor, Real-Time, Workloads, Fabric - FA Team (highlighted with an orange box), Loading ..., and a menu icon. The main content area is titled 'Workspaces' and features a search bar. Below the search bar, a list of workspaces is shown: 'My workspace', 'Fabric - FA Team' (highlighted with an orange box), and 'Fabric Workload Tryouts'. The main area also displays a row of service tiles: Basic data analytics, Data analytics using a SQL..., Medallion, Event analytics, Lambda, Sensitive data insights, Basic machine learning models, and Event medalli. Below these are three tutorial cards: 'Ingest data into Fabric', 'Build a lakehouse', and 'Build a warehouse'. At the bottom, there is a 'Favorites' section and a 'Filter by keyword' input field.

### 3. Create a New Item



The screenshot displays the Lumel Fabric interface for the 'Fabric - FA Team' workspace. The top navigation bar includes the Lumel logo, the workspace name, a search bar, and utility icons. Below this, the workspace header shows 'Fabric - FA Team' and 'FA Team Content in Fabric Capacity'. A secondary navigation bar contains 'Create app', 'Manage access', and 'Workspace settings', along with filter options. The main content area features a prominent '+ New item' button, which is highlighted with an orange box and a callout arrow pointing to it. The callout box contains the text 'Click on "New item"'. Below the button, there are options to 'New folder' and 'Import'. The main area also displays a message: 'Choose from predesigned task flows or add a task to build one (preview)' with subtext 'Select from one of Microsoft's predesigned task flows or add a task to start building one yourself.' and buttons for 'Select a predesigned task flow' and 'Add a task'. At the bottom, a large paperclip icon is centered over a 'There's nothing here yet' message, with the instruction 'Add something new, or upload something to see them here.'

## 4. Select PowerTable

The screenshot shows the Lumel PowerTable interface. At the top, there is a search bar and navigation icons. The main area displays a 'New item' dialog box with a search filter 'Filter by item type'. The 'All items' button is selected, and the 'Others' section is highlighted. The 'PowerTable' option is highlighted in the list of items, which includes Healthcare data solutions, Retail solutions, Streaming dataflow, Streaming dataset, Sustainability solutions, and PowerTable. A callout box points to the 'PowerTable' option with the text 'Choose 'PowerTable''. Another callout box points to the 'Others' section with the text 'Scroll down to 'Others' section'.

Home  
Fabric - FA Team  
FA Team Content in Fabric Capacity  
+ New item New folder → Import

Workspaces

Choose from pre  
Select from one of

Real-Time  
Fabric - FA Team > Onboarding Demo

Workloads

Fabric - FA Team

...

Fabric

New item

☆ Favorites **All items**

Filter by item type

**Others**

Find unique or third-party provided functionality that builds on Fabric's core capabilities.

**Healthcare data solutions**  
Use advanced AI analytics to help close care gaps, generate new insights, enhance patient care, and improve outcomes.

**Retail solutions**  
With Microsoft Retail data solutions, you can manage retail data at scale to improve customer experience and drive operational efficiency across the organization.

**Streaming dataflow**  
Combine and transform streaming data.

**Streaming dataset**  
Build visuals from real-time data.

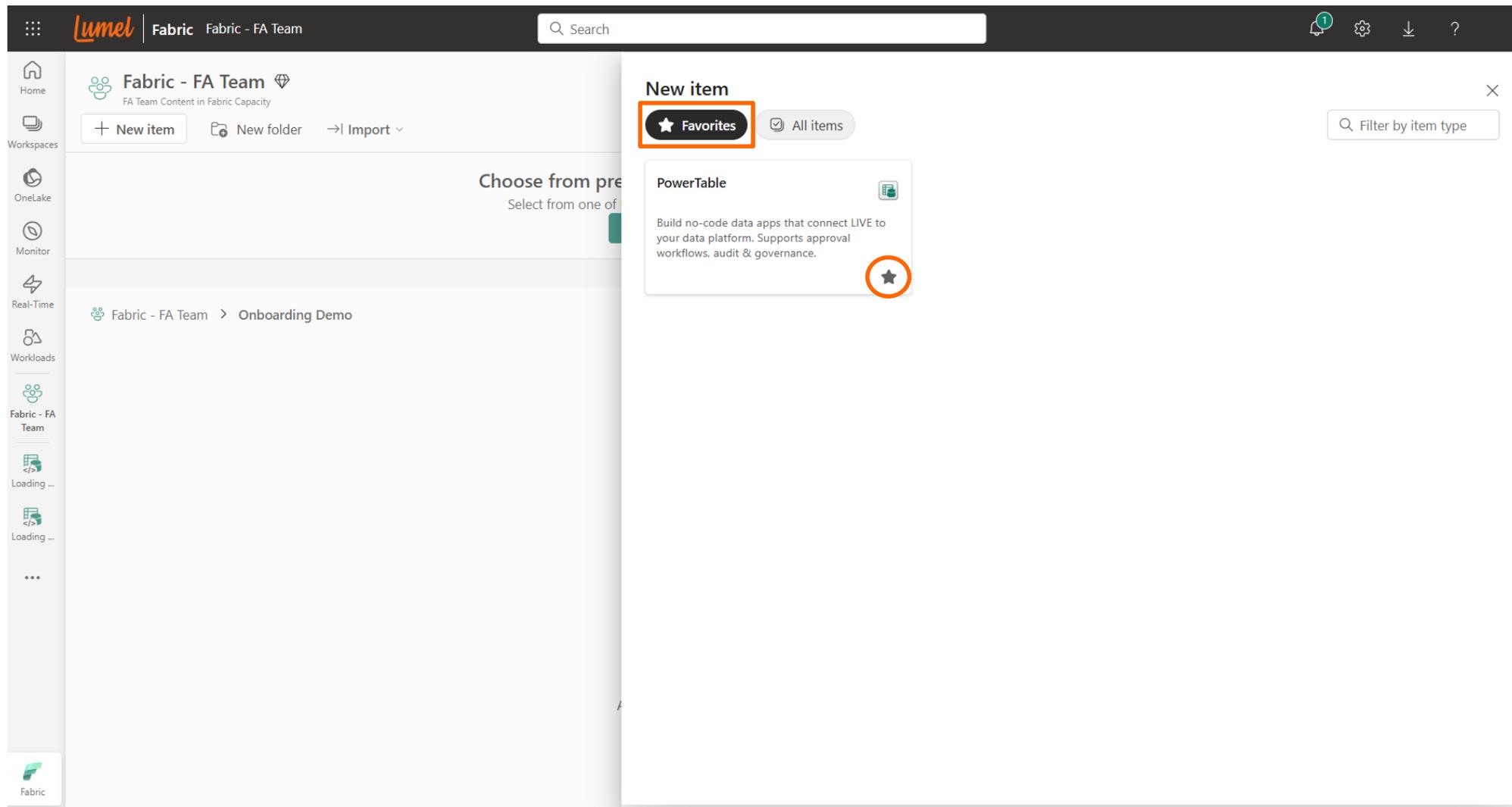
**Sustainability solutions**  
Unify and prepare disparate environmental, social, and governance (ESG) data for regulatory disclosures, actionable insights, and analytics.

**PowerTable**  
Build no-code data apps that connect LIVE to your data platform. Supports approval workflows, audit & governance.

Scroll down to 'Others' section

Choose 'PowerTable'

## 5. Add PowerTable to Favorites tab for easier access



The screenshot displays the Lumel interface for a workspace named "Fabric - FA Team". The left sidebar contains navigation options: Home, Workspaces, OneLake, Monitor, Real-Time, Workloads, Fabric - FA Team, and Fabric. The main area shows "Choose from pre" and "Select from one of". A "New item" dialog box is open, featuring a search bar "Filter by item type" and two tabs: "Favorites" (highlighted with an orange box) and "All items". The "PowerTable" item is listed in the "Favorites" tab, with a description: "Build no-code data apps that connect LIVE to your data platform. Supports approval workflows, audit & governance." The "PowerTable" item name and its star icon are both circled in orange.

## 6. Provide the name for your PowerTable app

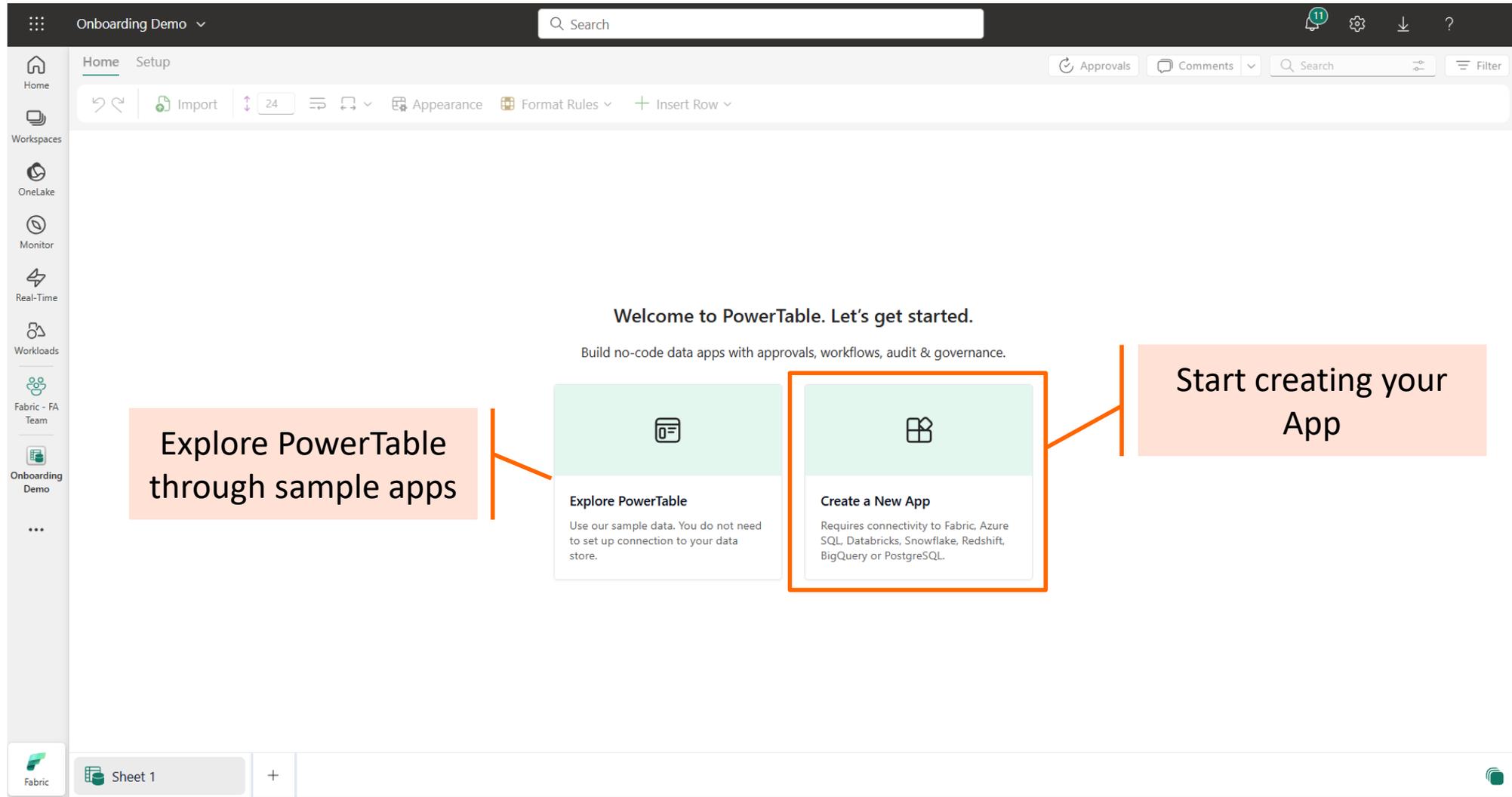
The screenshot shows the Lumel PowerTable interface. A modal dialog titled "Create PowerTable item" is open. The dialog contains the following fields:

- Display Name:** A text input field containing "Onboarding Demo".
- Description (optional):** A text area containing "PowerTable item".

At the bottom of the dialog are "Cancel" and "Create" buttons. An orange callout box on the right side of the dialog points to the "Display Name" field with the text "Enter the App name".

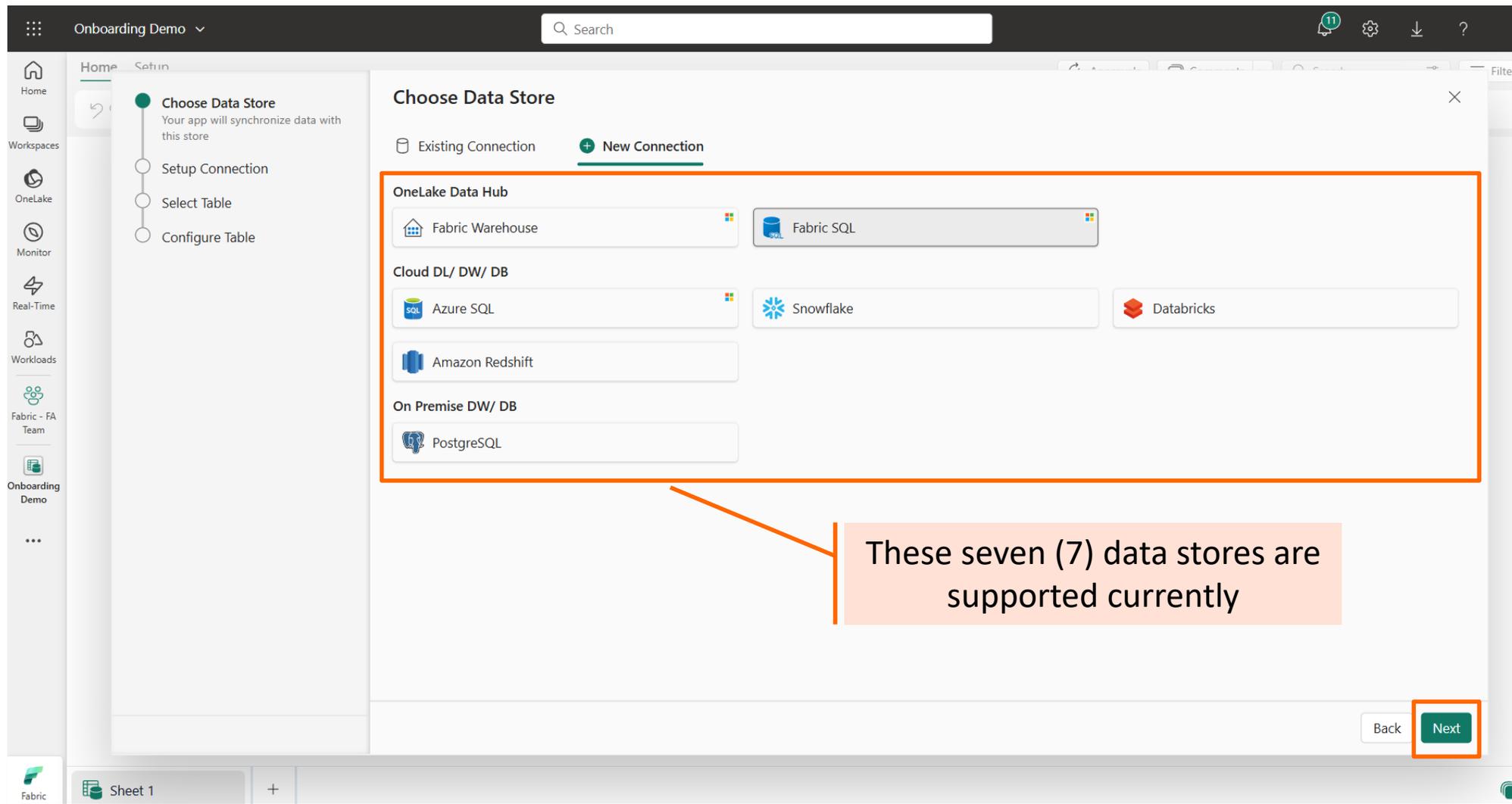
The background interface shows the "Fabric - FA Team" workspace with a search bar and navigation options like "Create app", "Manage access", and "Workspace settings".

# 7. PowerTable Launch Screen



We'll focus now on creating your first app

## 8a. Create a New Connection to your data store



The screenshot displays the 'Choose Data Store' dialog box in the PowerTable application. The dialog is titled 'Choose Data Store' and has a search bar at the top. It features two tabs: 'Existing Connection' and 'New Connection', with the 'New Connection' tab selected. The 'New Connection' tab lists seven data store options, which are highlighted by an orange box:

- OneLake Data Hub
  - Fabric Warehouse
  - Fabric SQL
- Cloud DL/ DW/ DB
  - Azure SQL
  - Snowflake
  - Databricks
- Amazon Redshift
- On Premise DW/ DB
  - PostgreSQL

An orange callout box points to these seven options with the text: "These seven (7) data stores are supported currently". At the bottom right of the dialog, the 'Next' button is highlighted with an orange box, while the 'Back' button is not.

If you already have a connection setup, skip to step #9

## 8b. Provide connection details

**Setup Connection**

Connection  
Fabric SQL

Connection Type \*  
 My Credentials  Service Principal

Use Test Connection

Connection Name \*  
Fabric SQL Demo

Workspace  
Fabric Workload Tryouts

Database \*  
Fabric SQL

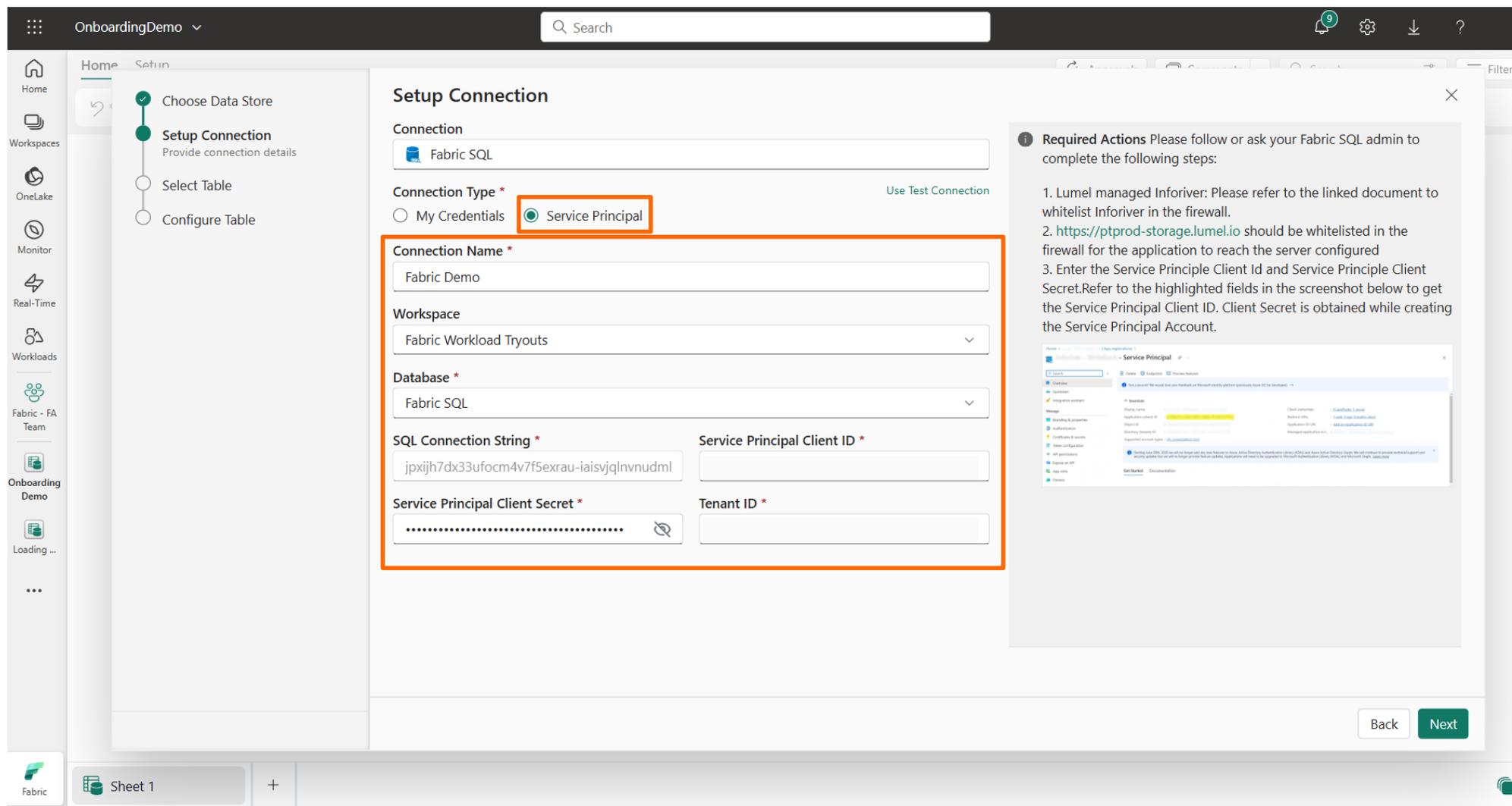
**Required Actions** Please follow or ask your Fabric SQL admin to complete the following steps:

1. Enter an unique connection name.
2. Select the workspace and the database from the list of options available and click on Save Connection.

Back Next

Two options for connection type – your Credentials OR Service Principal

# 8b. Provide connection details (using Service Principal)



**Setup Connection**

Connection: Fabric SQL

Connection Type \*  My Credentials  Service Principal [Use Test Connection](#)

Connection Name \* Fabric Demo

Workspace Fabric Workload Tryouts

Database \* Fabric SQL

SQL Connection String \* jpxijh7dx33ufocm4v7f5exrau-iaisvjqlnvudml

Service Principal Client ID \* [Empty]

Service Principal Client Secret \* [Masked]

Tenant ID \* [Empty]

**Required Actions** Please follow or ask your Fabric SQL admin to complete the following steps:

1. Lumel managed Inforiver: Please refer to the linked document to whitelist Inforiver in the firewall.
2. <https://ptprod-storage.lumel.io> should be whitelisted in the firewall for the application to reach the server configured
3. Enter the Service Principle Client Id and Service Principle Client Secret. Refer to the highlighted fields in the screenshot below to get the Service Principal Client ID. Client Secret is obtained while creating the Service Principal Account.

Service Principal Configuration Screenshot:

Property	Value
Client name	Client name
Application Client ID	[Highlighted]
App ID	[Highlighted]
Application Secret	[Highlighted]
Application Secret Key	[Highlighted]

Buttons: Back, Next

## 9. You do not need to create a new connection if you already have one

The screenshot shows the 'Choose Data Store' interface in PowerTable. The left sidebar contains navigation options: Home, Workspaces, OneLake, Monitor, Real-Time, Workloads, Fabric - FA Team, and Onboarding Demo. The main area is titled 'Choose Data Store' and includes a search bar and a 'Filter' dropdown. Below the title, there are two tabs: 'Existing Connection' (highlighted with an orange box) and 'New Connection'. Underneath, there are three filter buttons: 'Recently Used', 'All', 'Shared Connections', and 'Private Connections'. A list of connections is displayed, with the first one being 'Demo\_OB' (Account: jpxjih7dx33ufocm4v7f5extrau-iaisvjqlnvnudmhh67i6wqfjoe..., Database: Fabric SQL). An orange arrow points from a text box to this connection card. At the bottom right, there are 'Back' and 'Next' buttons, with the 'Next' button highlighted by an orange box.

Connections can be created by you or provisioned by the admin

# 10. Table Options

After settling on existing vs. new connection, the focus now shifts to the data table

**Select Table** Connect to an already-existing DB table

Select Table

- Existing Table**  
Data already exists in the database
- New Table**  
Import data and create a new table

Schema \*

Table Name \*

Import Data

- Upload Excel/CSV
- Connect To Semantic Model
- Enter Data Manually

Upload File

Click or drop files here  
Only .xlsx or .csv files can be uploaded

Back Next

...or create a new DB table from the App

## Connecting to an existing database table

# 11a. Table Options – Selecting an Existing Table

The screenshot shows the 'Select Table' dialog box in the PowerTable interface. The dialog has a title bar with a search bar and a close button. The main content area is divided into two sections: 'Existing Table' and 'New Table'. The 'Existing Table' section is highlighted with an orange box and contains the text 'Existing Table' and 'Data already exists in the database'. The 'New Table' section contains the text 'New Table' and 'Import data and create a new table'. Below these sections are two dropdown menus: 'Schema \*' and 'Table Name \*'. The 'Schema \*' dropdown is set to 'FA\_Team' and the 'Table Name \*' dropdown is set to 'OB\_Products'. An orange box highlights these two dropdowns, with an orange arrow pointing to a text box that says 'Select schema and choose an existing table'. At the bottom right of the dialog, there are two buttons: 'Back' and 'Next'. The 'Next' button is highlighted with an orange box.

# 11b. Configure Existing Table

**Configure Table**

Columns (11)

Column *	Input Type *	Data Type *	Primary Key *	Mandatory	Identity Column *	Length *	Default Value	Display Name	Scale
# ProductKey	INT	# Number	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			Enter Value	
# ProductSubcategory	INT	# Number	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			Enter Value	
T ProductSKU	VARCHAR	T Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	255		Enter Value	
T ProductName	VARCHAR	T Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	255		Enter Value	
T ModelName	VARCHAR	T Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	255		Enter Value	
T ProductDescription	VARCHAR	T Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	255		Enter Value	

Enable support for Slowly Changing Dimensions (SCD) - Type 2   
SCD configuration cannot be changed once done. [Learn more](#)

Back **Finish**

Most of the properties are read-only as the table already exists in the database

**Create a new database table (and upload data from Excel/CSV file)**

# 12a. Table Options – Create a New Table

The screenshot shows the 'Select Table' dialog in the PowerTable interface. The 'New Table' option is selected and highlighted with an orange border. Below this, the 'Schema' dropdown is set to 'FA\_Team' and the 'Table Name' field contains 'Products\_OB'. An orange arrow points from this area to a text box on the right.

**You can also create a new table in the database from within Fabric**

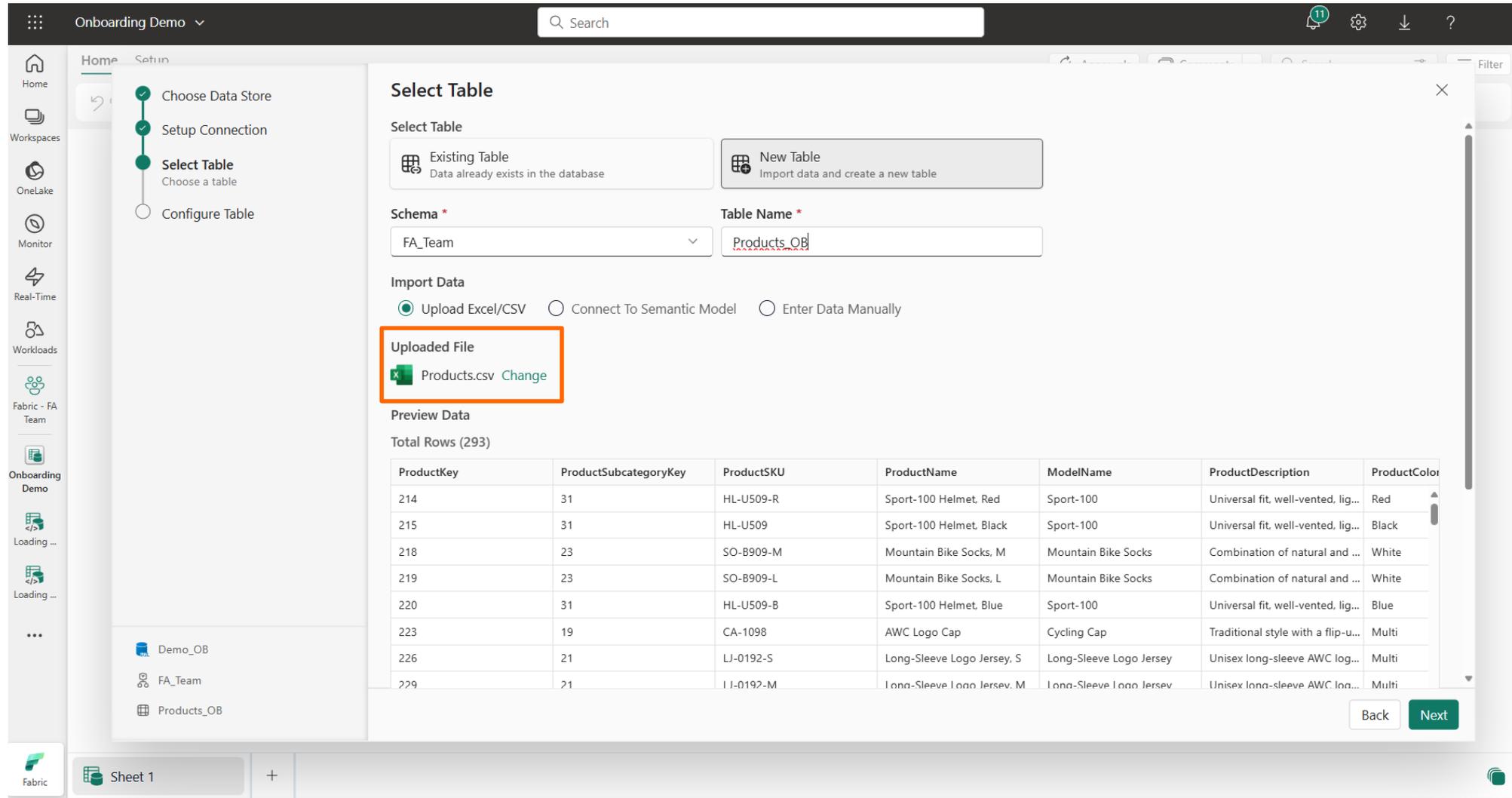
## 12b. Create a New Table – Import Options

The screenshot displays the 'Select Table' configuration interface. It features two main options: 'Existing Table' (Data already exists in the database) and 'New Table' (Import data and create a new table). Under the 'New Table' option, there are three radio buttons for 'Import Data': 'Upload Excel/CSV' (selected), 'Connect To Semantic Model', and 'Enter Data Manually'. Below these is a dashed box for 'Upload File' with a file icon and the text 'Click or drop files here' and 'Only .xlsx or .csv files can be uploaded'. The 'Schema' is set to 'FA\_Team' and the 'Table Name' is 'Products\_OB'. A sidebar on the left shows the onboarding steps: 'Choose Data Store', 'Setup Connection', 'Select Table', and 'Configure Table'. The 'Select Table' step is currently active.

There are three options for uploading data into the new table.

You can import data from a file, connect to a semantic model, or type in data manually.

# 12b (i). Import Data from Excel/CSV



**Select Table**

Select Table

Existing Table  
Data already exists in the database

New Table  
Import data and create a new table

Schema \*  
FA\_Team

Table Name \*  
Products\_OB

Import Data

Upload Excel/CSV  Connect To Semantic Model  Enter Data Manually

Uploaded File

Products.csv Change

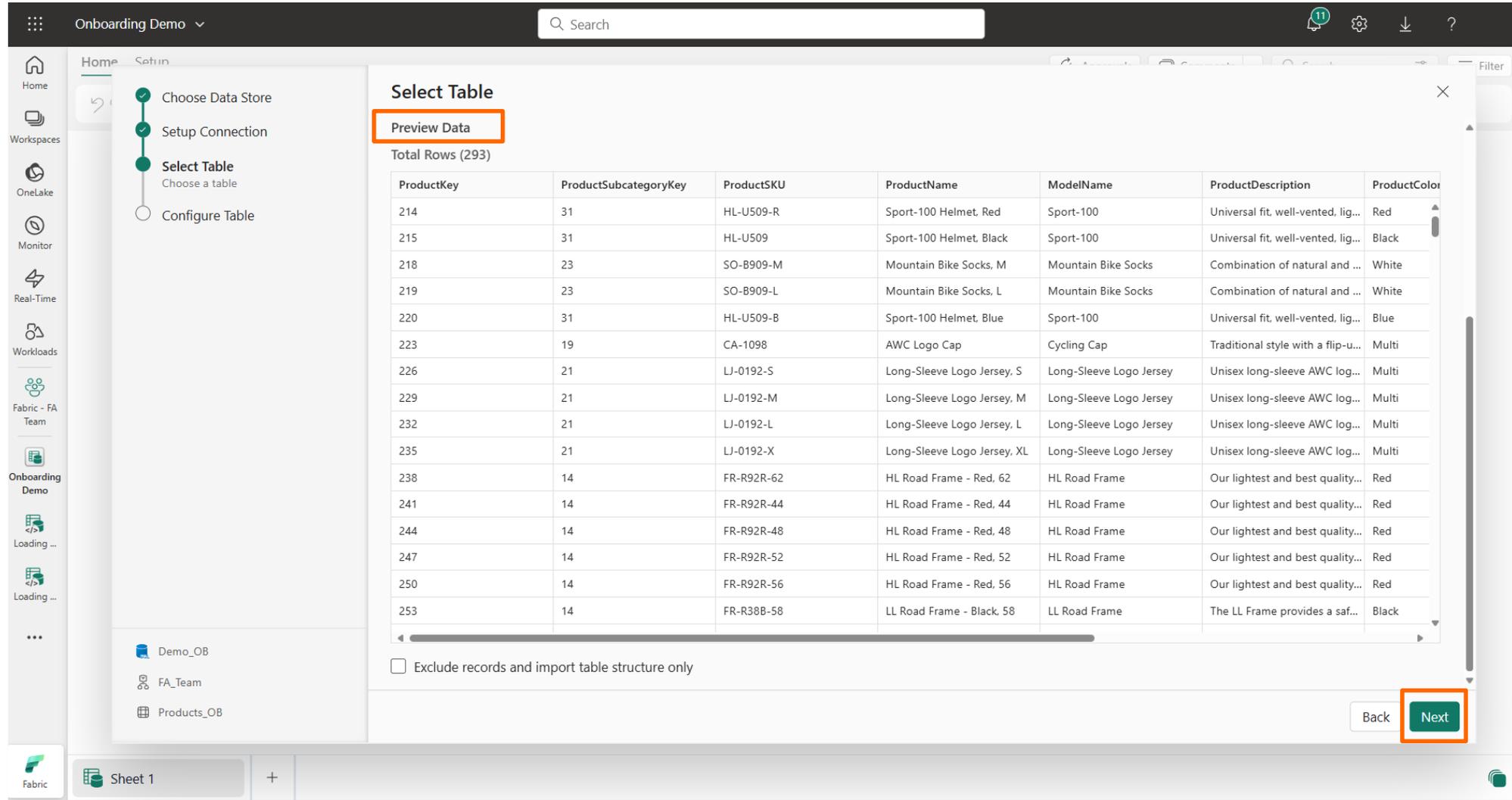
Preview Data

Total Rows (293)

ProductKey	ProductSubcategoryKey	ProductSKU	ProductName	ModelName	ProductDescription	ProductColor
214	31	HL-U509-R	Sport-100 Helmet, Red	Sport-100	Universal fit, well-vented, lig...	Red
215	31	HL-U509	Sport-100 Helmet, Black	Sport-100	Universal fit, well-vented, lig...	Black
218	23	SO-B909-M	Mountain Bike Socks, M	Mountain Bike Socks	Combination of natural and ...	White
219	23	SO-B909-L	Mountain Bike Socks, L	Mountain Bike Socks	Combination of natural and ...	White
220	31	HL-U509-B	Sport-100 Helmet, Blue	Sport-100	Universal fit, well-vented, lig...	Blue
223	19	CA-1098	AWC Logo Cap	Cycling Cap	Traditional style with a flip-u...	Multi
226	21	LJ-0192-S	Long-Sleeve Logo Jersey, S	Long-Sleeve Logo Jersey	Unisex long-sleeve AWC log...	Multi
229	21	LJ-0192-M	Long-Sleeve Logo Jersey, M	Long-Sleeve Logo Jersey	Unisex long-sleeve AWC log...	Multi

Back Next

# 12b (i).Preview imported Data



The screenshot shows the PowerTable interface during the onboarding process. The 'Select Table' dialog is open, and the 'Preview Data' step is highlighted. The table below shows a preview of the imported data.

ProductKey	ProductSubcategoryKey	ProductSKU	ProductName	ModelName	ProductDescription	ProductColor
214	31	HL-U509-R	Sport-100 Helmet, Red	Sport-100	Universal fit, well-vented, lig...	Red
215	31	HL-U509	Sport-100 Helmet, Black	Sport-100	Universal fit, well-vented, lig...	Black
218	23	SO-B909-M	Mountain Bike Socks, M	Mountain Bike Socks	Combination of natural and ...	White
219	23	SO-B909-L	Mountain Bike Socks, L	Mountain Bike Socks	Combination of natural and ...	White
220	31	HL-U509-B	Sport-100 Helmet, Blue	Sport-100	Universal fit, well-vented, lig...	Blue
223	19	CA-1098	AWC Logo Cap	Cycling Cap	Traditional style with a flip-u...	Multi
226	21	LJ-0192-S	Long-Sleeve Logo Jersey, S	Long-Sleeve Logo Jersey	Unisex long-sleeve AWC log...	Multi
229	21	LJ-0192-M	Long-Sleeve Logo Jersey, M	Long-Sleeve Logo Jersey	Unisex long-sleeve AWC log...	Multi
232	21	LJ-0192-L	Long-Sleeve Logo Jersey, L	Long-Sleeve Logo Jersey	Unisex long-sleeve AWC log...	Multi
235	21	LJ-0192-X	Long-Sleeve Logo Jersey, XL	Long-Sleeve Logo Jersey	Unisex long-sleeve AWC log...	Multi
238	14	FR-R92R-62	HL Road Frame - Red, 62	HL Road Frame	Our lightest and best quality...	Red
241	14	FR-R92R-44	HL Road Frame - Red, 44	HL Road Frame	Our lightest and best quality...	Red
244	14	FR-R92R-48	HL Road Frame - Red, 48	HL Road Frame	Our lightest and best quality...	Red
247	14	FR-R92R-52	HL Road Frame - Red, 52	HL Road Frame	Our lightest and best quality...	Red
250	14	FR-R92R-56	HL Road Frame - Red, 56	HL Road Frame	Our lightest and best quality...	Red
253	14	FR-R38B-58	LL Road Frame - Black, 58	LL Road Frame	The LL Frame provides a saf...	Black

Exclude records and import table structure only

Back **Next**

# 12b (i).Configure Table

The screenshot shows the 'Configure Table' interface in PowerTable. The main area displays a table with 11 columns. The columns are:

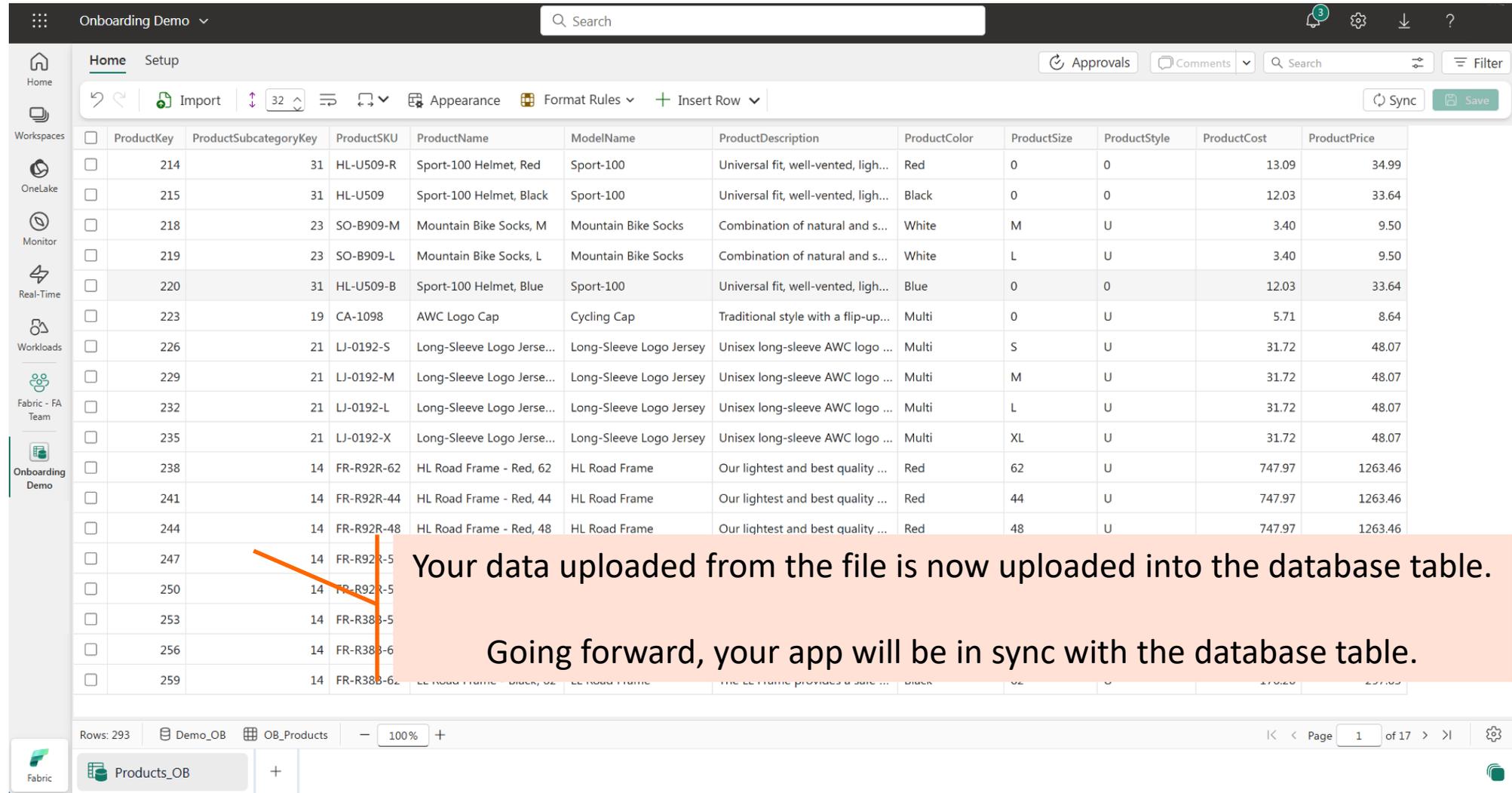
Column *	Input Type *	Data Type *	Primary Key * ⓘ	Mandatory	Identity Column * ⓘ	Length * ⓘ	Default Value	Display Name	Scale	Action
# ProductKey	INT	# Number	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Enter		Enter Value		
# ProductSubcategory	Search	# Number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Enter	Enter Value	Enter Value		
T ProductSKU	VARCHAR	.00 Decimal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		
T ProductName	NVARCHAR	Check Box	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		
T ModelName	CHAR	T Text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		
T ProductDescription	INT	T Text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		

The 'Input Type' dropdown menu is open, showing the following options: INT, VARCHAR, NVARCHAR, CHAR, INT (selected), BIGINT, DECIMAL, FLOAT, DATE, and DATETIME.

Annotations in the image include:

- An orange box around the '+ Add Column' button with the text: "Additional columns can be inserted".
- An orange box around the 'Input Type' dropdown menu with the text: "Specify the database table field types".
- An orange box around the 'Finish' button.

# Your PowerTable app is ready!



The screenshot displays the PowerTable application interface. At the top, there is a navigation bar with 'Onboarding Demo' and a search bar. Below this is a toolbar with various icons for navigation and actions like 'Import', 'Appearance', 'Format Rules', and 'Insert Row'. The main area is a data table with columns: ProductKey, ProductSubcategoryKey, ProductSKU, ProductName, ModelName, ProductDescription, ProductColor, ProductSize, ProductStyle, ProductCost, and ProductPrice. The table contains 17 rows of product data. A text box with an orange background and a red arrow pointing to the table contains the following text:

Your data uploaded from the file is now uploaded into the database table.  
Going forward, your app will be in sync with the database table.

At the bottom of the interface, there is a status bar showing 'Rows: 293', 'Demo\_OB', 'OB\_Products', a zoom level of '100%', and a page indicator 'Page 1 of 17'. The bottom left corner shows the 'Fabric' logo and a 'Products\_OB' tab.

**Create a new database table (and upload data from semantic model)**

## 12 b (ii).Connect to Semantic Model

The screenshot shows the 'Select Table' dialog box in the PowerTable interface. The dialog is titled 'Select Table' and has a close button (X) in the top right corner. It contains the following elements:

- Select Table:** Two buttons: 'Existing Table' (Data already exists in the database) and 'New Table' (Import data and create a new table).
- Schema \*:** A dropdown menu with 'dbo' selected.
- Table Name \*:** A text input field containing 'Adventure Works Demd'.
- Import Data:** Three radio buttons: 'Upload Excel/CSV', 'Connect To Semantic Model' (which is selected and highlighted with an orange box), and 'Enter Data Manually'.
- Semantic model source integration:** A message: 'Pro-license capacity workspaces are not supported. Please make sure to select workspace of premium capacity.'
- Workspace \*:** A dropdown menu with 'Fabric - FA Team' selected.
- Semantic Model \*:** A dropdown menu with 'Adventure Works Report' selected.
- Navigation:** 'Back' and 'Next' buttons at the bottom right. The 'Next' button is highlighted with an orange box.

An orange callout box with a pointer to the 'Workspace' and 'Semantic Model' dropdowns contains the text: 'Select the workspace and choose the Semantic Model'.

## 12 b (ii). Assign Fields and Values

**Assign Data** Schedule Refresh

Lineage: Fabric - FA Team > Adventure Works Report

ProductName	ProductDescription
All-Purpose Bike Stand	Perfect all-purpose bike stand for working on your bike at home. Quick-adjust...
AWC Logo Cap	Traditional style with a flip-up brim; one-size fits all.
Bike Wash - Dissolver	Washes off the toughest road grime; dissolves grease, environmentally safe.
Cable Lock	
Chain	
Classic V...	
Classic V...	
Classic V...	
Fender Set - Mountain	Clip-on fenders fit most mountain bikes.
Front Brakes	All-weather brake pads; provides superior stopping by applying more surface...
Front Derailleur	Wide-link design.
Full-Finger Gloves, L	Synthetic palm, flexible knuckles, breathable mesh upper. Worn by the AWC t...
Full-Finger Gloves, M	Synthetic palm, flexible knuckles, breathable mesh upper. Worn by the AWC t...
Full-Finger Gloves, S	Synthetic palm, flexible knuckles, breathable mesh upper. Worn by the AWC t...
Half-Finger Gloves, L	Full padding, improved finger flex, durable palm, adjustable closure...

First 50 rows shown in preview Total Row Count : 293

**Data Mapping**

**Assign Filter**

**Fields**

- ProductName
- ProductDescription
- ProductSKU
- ProductColor
- ProductStyle

**Values**

- Sum of ProductPrice

**Semantic Model**

Data

- Calendar Lookup
- Customer Lookup
- Customer Metric Selection
- Measure Table
- Price Adjustment (%)
- Product Categories Lookup
- Product Lookup
  - Discount Price
  - ModelName
  - Price point
  - ProductColor
  - ProductCost
  - ProductDescription
  - ProductKey
  - ProductName
  - ProductPrice
  - ProductSKU

Back **Next**

Assign fields and values from the explorer pane on the right

# 12 b (ii).Filter Options

The screenshot shows the PowerTable interface in the 'Configure Semantic Model' stage. A table lists product names and descriptions. A 'Filter' dialog box is open, showing 'Data Mapping' with 'Filter' selected. The dialog has sections for 'Basic filtering' and 'Advanced filtering'. A text box with an orange background and black text says 'Filter data from semantic model using basic or advanced filters', with an orange arrow pointing to the 'Filter' dialog.

ProductName	ProductDescription
All-Purpose Bike Stand	Perfect all-purpose bike stand for working on your bike at home. Quick-adjustable, environmentally safe.
AWC Logo Cap	Traditional style with a flip-up brim; one-size fits all.
Bike Wash - Disinfectant	Includes disinfectant, environmentally safe.
Cable Lock	Includes disinfectant, environmentally safe.
Chain	Includes disinfectant, environmentally safe.
Classic Vest, S	Light-weight, wind-resistant, packs to fit into a pocket.
Fender Set - Mountain	Clip-on fenders fit most mountain bikes.
Front Brakes	All-weather brake pads; provides superior stopping by applying more surface area.
Front Derailleur	Wide-link design.
Full-Finger Gloves, L	Synthetic palm, flexible knuckles, breathable mesh upper. Worn by the AWC team.
Full-Finger Gloves, M	Synthetic palm, flexible knuckles, breathable mesh upper. Worn by the AWC team.
Full-Finger Gloves, S	Synthetic palm, flexible knuckles, breathable mesh upper. Worn by the AWC team.
Half-Finger Gloves, L	Full padding, improved finger flex, durable palm, adjustable closure.

Filters on this visual

- ProductName is (All)
  - Filter type
  - Basic filtering
  - Advanced filtering
    - All-Purpose Bik...
    - AWC Logo Cap
    - Bike Wash - Dis...
    - Cable Lock
    - Chain
- ProductDescription is (All)
- ProductSKU is (All)
- ProductColor is (All)

Semantic Model

- Product Categories Lo...
- Product Lookup
  - Discount Price
  - ModelName
  - Price point
  - ProductColor
  - ProductCost
  - ProductDescription
  - ProductKey
  - ProductName
  - ProductPrice
  - ProductSKU
  - ProductStyle
  - SKU Category
  - SKU Type
- Product Metric Selecti...
- Product Subcategorie...
- Returns Data

Back Next

# 12 b (ii).Basic Filtering

**Configure Semantic Model**

Assign Data | Schedule Refresh

Lineage: Fabric - FA Team > Adventure Works Report

ProductName	ProductDescription
All-Purpose Bike Stand	Perfect all-purpose bike stand for working on your bike at home. Quick-adjusting clamp

**Data Mapping**

Assign **Filter**

Filters on this visual

**ProductName** is All-Purpose Bike Stand

Filter type: Basic filtering

All-Purpose Bik...

AWC Logo Cap

Bike Wash - Dis...

Cable Lock

Chain

**ProductDescription** is (All)

**ProductSKU** is (All)

**ProductColor**

**Semantic Model**

Data

- Product Categories Lo...
- Product Lookup
- Discount Price
- ModelName
- Price point
- ProductColor
- ProductCost
- ProductDescription
- ProductKey
- ProductName
- ProductPrice
- ProductSKU
- ProductStyle
- SKU Category
- SKU Type
- Product Metric Selecti...
- Product Subcategorie...
- Returns Data

Back Next

First 1 rows shown in preview | Total Row Count : 1

Basic filtering: Choose from a list of values

# 12 b (ii).Advanced Filtering

The screenshot shows the 'Configure Semantic Model' interface in PowerTable. The main area displays a table with columns 'ProductName', 'ProductDescription', and 'Pro'. The table contains three rows: 'Cable Lock', 'Front Brakes', and 'Rear Brakes'. The 'Cable Lock' row is highlighted, and its description is 'Wraps to fit front and rear tires, carrier and 2 keys included.' The 'Front Brakes' row has a description of 'All-weather brake pads; provides superior stopping by applying more surface to the rim.' The 'Rear Brakes' row has a description of '0'. The 'Filter' configuration panel on the right shows a filter rule for 'ProductName' with the condition 'contains "Cable Lock" or co...'. The filter type is set to 'Advanced filtering', and the filter logic is set to 'Or'. The filter value is 'Cable Lock' and 'Brakes'. The 'Data Mapping' section shows 'Assign Filter' and 'Filters on this visual'. The 'Semantic Model' section shows a list of data sources including 'Calendar Lookup', 'Customer Lookup', 'Customer Metric Selection', 'Measure Table', 'Price Adjustment (%)', 'Product Categories Lookup', 'Product Lookup', 'Product Metric Selection', 'Product Subcategories Lo...', 'Returns Data', 'Sales Data', and 'Territory Lookup'. The 'Data' section shows 'Test', 'dbo', and 'Adventure Works Demo'. The 'Total Row Count' is 3. The interface includes a search bar, navigation icons, and a 'Next' button.

ProductName	ProductDescription	Pro
Cable Lock	Wraps to fit front and rear tires, carrier and 2 keys included.	LO-
Front Brakes	All-weather brake pads; provides superior stopping by applying more surface to the rim.	FB-
Rear Brakes	0	RB-

Advanced filtering:  
using rules & conditions

# 12 b (ii).Schedule Refresh

The screenshot shows the 'Configure Semantic Model' dialog box in the PowerTable application. The 'Schedule Refresh' tab is selected and highlighted with an orange box. A toggle switch for 'Do you want to periodically sync the model?' is turned on and also highlighted with an orange box. Below this, a large orange-bordered box contains the following configuration options:

- Frequency:** Radio buttons for Daily, Weekly (selected), and Monthly.
- Once every \*:** A text input field containing '1' followed by 'Weekly(s)'.
- Days:** A row of buttons for days of the week: Mon, Tue, Wed, Thu, Fri, Sat (selected), Sun.
- Scheduled Duration \*:** A date range picker showing 'Mar 31, 2025 - Apr 28, 2025'.
- Skip Holidays:** A dropdown menu with the text 'Select skip holidays'.
- Scheduled Time \*:** Time input fields showing '11 : 50 PM'.
- Time Zone \*:** A dropdown menu showing '(UTC+05:30) Chennai, Kolkata, Mumbai, N...'.

An orange arrow points from the bottom of the configuration box to a callout box on the right. The callout box contains the text: 'You may opt to periodically refresh data from the semantic model'. At the bottom right of the dialog, the 'Next' button is highlighted with an orange box, while the 'Back' button is not.

# 12 b (ii).Configure Table

The screenshot shows the 'Configure Table' interface in PowerTable. The left sidebar contains a navigation menu with the following items: Home, Workspaces, OneLake, Monitor, Real-Time, Workloads, Fabric - FA Team, and test123. The main content area is titled 'Configure Table' and features a progress indicator with four steps: 'Choose Data Store', 'Select Table', 'Map Data', and 'Configure Table' (which is currently active). Below the progress indicator, there is a table configuration section titled 'Columns (6)'. This section includes a table with the following columns: Column, Data Type, Input Type, Primary Key, Mandatory, Identity Column, Length, Default Value, Display Name, Scale, and Action. The table contains six rows of data. Below the table, there is a toggle for 'Enable support for Slowly Changing Dimensions (SCD) - Type 2' which is currently turned off. At the bottom right of the configuration area, there are 'Back' and 'Finish' buttons. The 'Finish' button is highlighted with an orange box. The top of the interface includes a search bar and several utility icons.

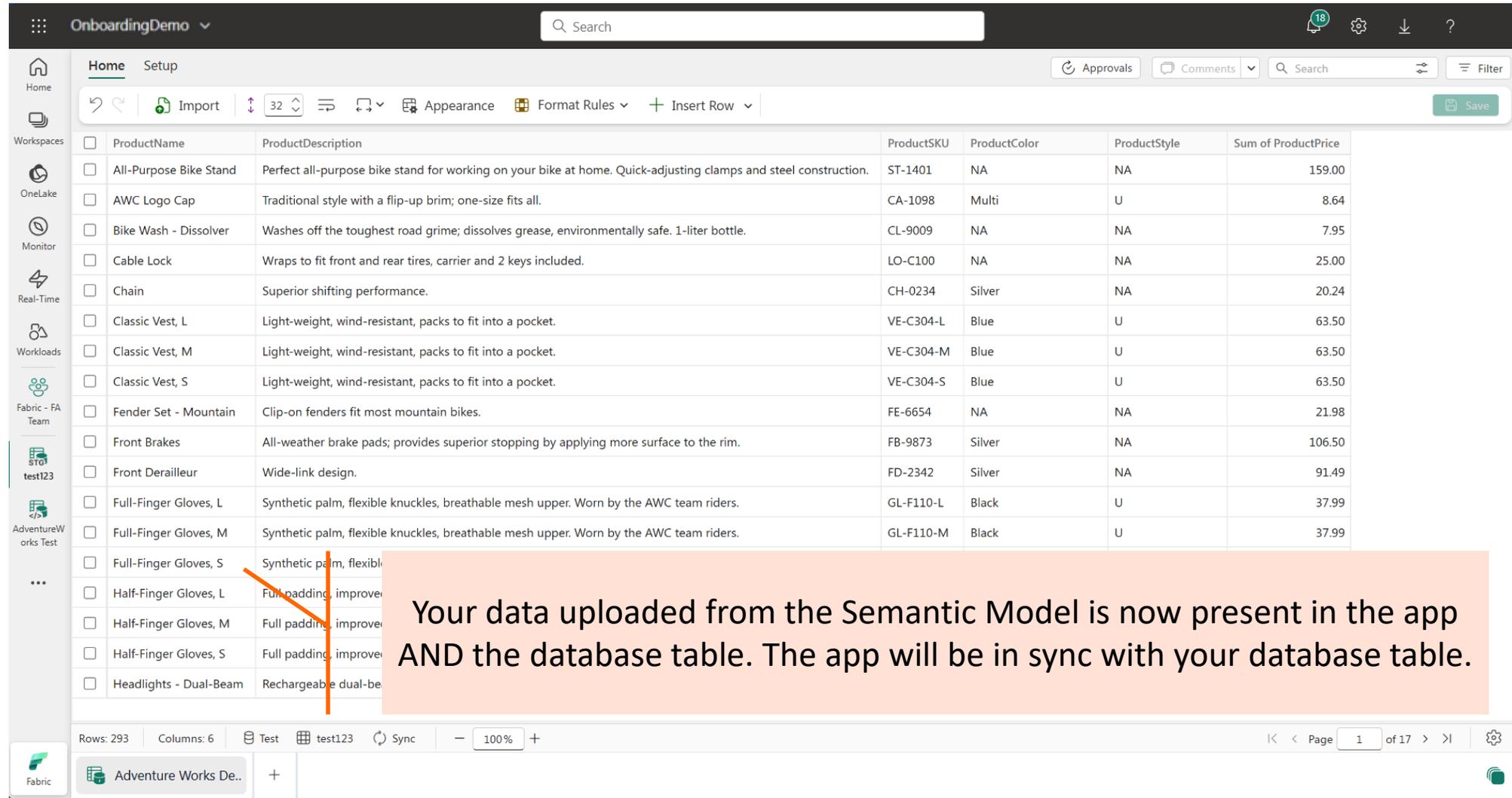
Column *	Data Type *	Input Type *	Primary Key *	Mandatory	Identity Column *	Length *	Default Value	Display Name	Scale	Action
T ProductName	VARCHAR	T Text	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		
T ProductDescription	VARCHAR	T Text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		
T ProductSKU	VARCHAR	T Text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		
T ProductColor	VARCHAR	T Text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		
T ProductStyle	VARCHAR	T Text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		
.00 Sum of ProductPrice	DECIMAL	.00 Decimal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Enter Value	Enter Value	2	

Enable support for Slowly Changing Dimensions (SCD) - Type 2

SCD configuration cannot be changed once done. [Learn more](#)

Back Finish

# Your PowerTable app is ready!



The screenshot displays the PowerTable app interface. At the top, there is a navigation bar with a search bar and a notification icon. Below this is a sidebar with navigation options like Home, Workspaces, OneLake, Monitor, Real-Time, Workloads, Fabric - FA Team, test123, and Adventure Works Test. The main area shows a table with columns: ProductName, ProductDescription, ProductSKU, ProductColor, ProductStyle, and Sum of ProductPrice. The table contains 18 rows of product data. A text box is overlaid on the table with the text: "Your data uploaded from the Semantic Model is now present in the app AND the database table. The app will be in sync with your database table." The bottom of the interface shows a status bar with "Rows: 293", "Columns: 6", "Test", "test123", "Sync", "100%", and "Page 1 of 17".

ProductName	ProductDescription	ProductSKU	ProductColor	ProductStyle	Sum of ProductPrice
All-Purpose Bike Stand	Perfect all-purpose bike stand for working on your bike at home. Quick-adjusting clamps and steel construction.	ST-1401	NA	NA	159.00
AWC Logo Cap	Traditional style with a flip-up brim; one-size fits all.	CA-1098	Multi	U	8.64
Bike Wash - Dissolver	Washes off the toughest road grime; dissolves grease, environmentally safe. 1-liter bottle.	CL-9009	NA	NA	7.95
Cable Lock	Wraps to fit front and rear tires, carrier and 2 keys included.	LO-C100	NA	NA	25.00
Chain	Superior shifting performance.	CH-0234	Silver	NA	20.24
Classic Vest, L	Light-weight, wind-resistant, packs to fit into a pocket.	VE-C304-L	Blue	U	63.50
Classic Vest, M	Light-weight, wind-resistant, packs to fit into a pocket.	VE-C304-M	Blue	U	63.50
Classic Vest, S	Light-weight, wind-resistant, packs to fit into a pocket.	VE-C304-S	Blue	U	63.50
Fender Set - Mountain	Clip-on fenders fit most mountain bikes.	FE-6654	NA	NA	21.98
Front Brakes	All-weather brake pads; provides superior stopping by applying more surface to the rim.	FB-9873	Silver	NA	106.50
Front Derailleur	Wide-link design.	FD-2342	Silver	NA	91.49
Full-Finger Gloves, L	Synthetic palm, flexible knuckles, breathable mesh upper. Worn by the AWC team riders.	GL-F110-L	Black	U	37.99
Full-Finger Gloves, M	Synthetic palm, flexible knuckles, breathable mesh upper. Worn by the AWC team riders.	GL-F110-M	Black	U	37.99
Full-Finger Gloves, S	Synthetic palm, flexible knuckles, breathable mesh upper. Worn by the AWC team riders.	GL-F110-S	Black	U	37.99
Half-Finger Gloves, L	Full padding, improved grip.	GL-F110-L	Black	U	37.99
Half-Finger Gloves, M	Full padding, improved grip.	GL-F110-M	Black	U	37.99
Half-Finger Gloves, S	Full padding, improved grip.	GL-F110-S	Black	U	37.99
Headlights - Dual-Beam	Rechargeable dual-beam headlights.	HL-1234	Black	U	120.00

**Create a new database table (and enter data manually)**

# 12b (iii).Enter Data Manually

The screenshot shows the 'Select Table' dialog box in the PowerTable interface. The dialog is titled 'Select Table' and has a close button (X) in the top right corner. It contains the following elements:

- Select Table:** Two buttons: 'Existing Table' (Data already exists in the database) and 'New Table' (Import data and create a new table).
- Schema \*:** A dropdown menu with 'FA\_Team' selected.
- Table Name \*:** A text input field containing 'OB Demo'.
- Import Data:** Three radio button options: 'Upload Excel/CSV', 'Connect To Semantic Model', and 'Enter Data Manually' (which is selected and highlighted with an orange box).
- Navigation:** 'Back' and 'Next' buttons at the bottom right, with the 'Next' button highlighted by an orange box.

An orange arrow points from the 'Enter Data Manually' radio button to a larger orange box containing the text: 'You can enter data manually'.

# 12b (iii).Configure Table

**Configure Table**

Columns (4) + Add Column

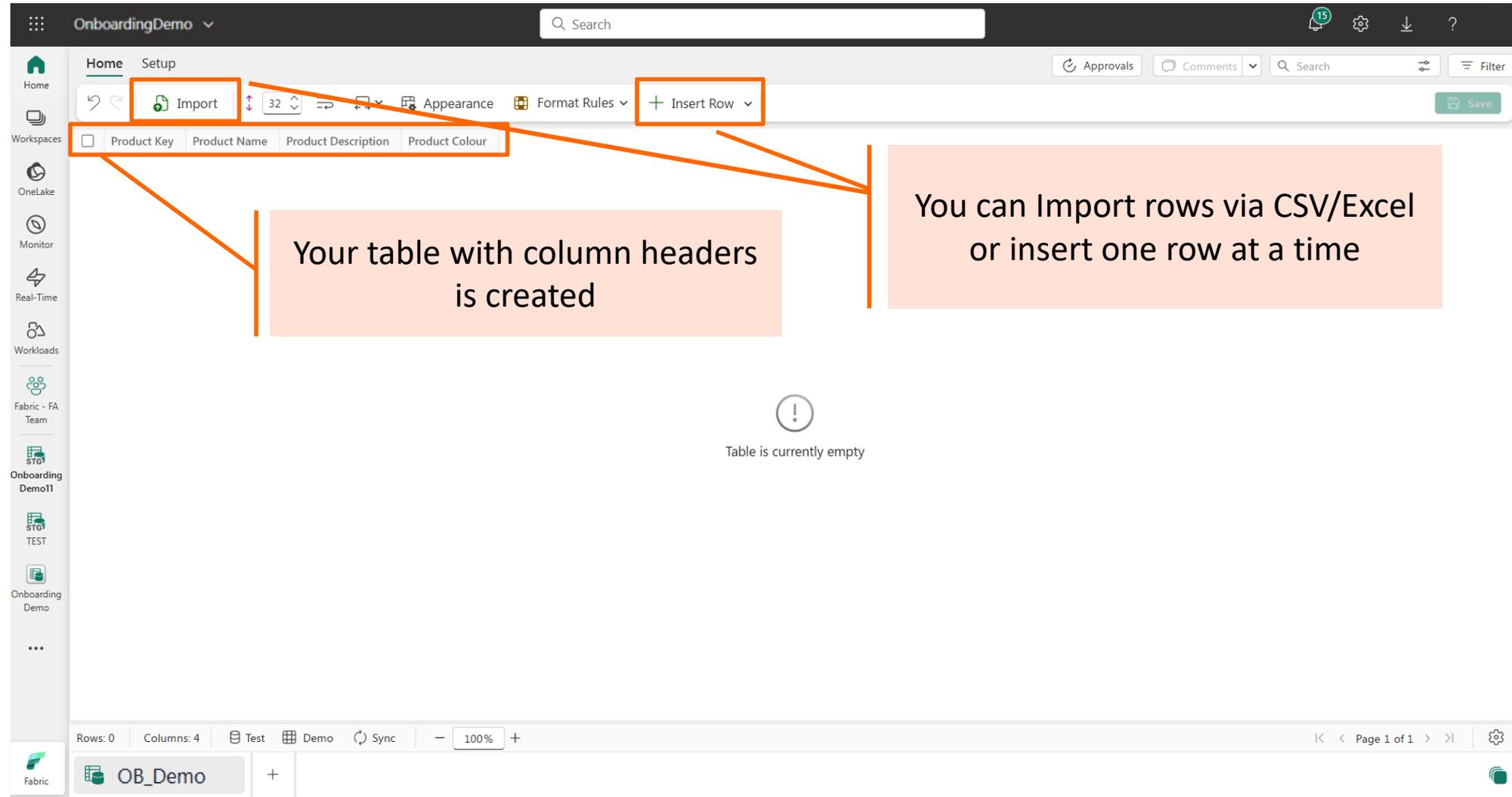
Column *	Input Type *	Data Type *	Primary Key * <sup>ⓘ</sup>	Mandatory	Identity Column * <sup>ⓘ</sup>	Length * <sup>ⓘ</sup>	Default Value	Display Name	Scale	Action
T Product Key	VARCHAR	# Number	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	255		Enter Value		
T Product Name	VARCHAR	T Text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		
T Product Description	VARCHAR	# Number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		
T Product Colour	VARCHAR	.00 Decimal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	255	Enter Value	Enter Value		

Enable support for Slowly Changing Dimensions  <sup>ⓘ</sup>  
SCD configuration cannot be changed once done.

Back **Finish**

Add new columns and configure properties

# Your PowerTable app is ready!



The screenshot displays the PowerTable application interface. At the top, there is a navigation bar with 'OnboardingDemo' and a search bar. Below this, a toolbar contains an 'Import' button (highlighted with an orange box), a '32' dropdown, 'Appearance', 'Format Rules', and an '+ Insert Row' button (also highlighted with an orange box). The main workspace shows a table with four columns: 'Product Key', 'Product Name', 'Product Description', and 'Product Colour' (all highlighted with an orange box). A central message reads 'Table is currently empty'. Two callout boxes with orange borders provide instructions: 'Your table with column headers is created' points to the column headers, and 'You can Import rows via CSV/Excel or insert one row at a time' points to the 'Import' and '+ Insert Row' buttons. The bottom status bar shows 'Rows: 0', 'Columns: 4', and 'Page 1 of 1'.

## Resources

- Get Started: <https://powertable.com/getting-started/>
- Questions/Help: <https://community.powertable.com>
- Documentation: <https://docs.powertable.com>
- Our website: [www.powertable.com](http://www.powertable.com)



# Thank you!

[www.powertable.com](http://www.powertable.com)