

# Securing datasets in Power BI Service

DEPLOYING AND MAINTAINING ASSETS IN POWER BI



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# Dataset permissions

## Read

- Allow users to access reports which read data from the dataset
- Does NOT allow users to find content which uses a dataset
- Does NOT support external API queries

## Reshare

- Allow users to share dataset contents with other users
- Can grant Read, Reshare, or Build permissions to other users

## Build

- Allow users to build new content from a dataset
- Allow users to find content which uses a dataset
- Allow users to query using external APIs

## Write

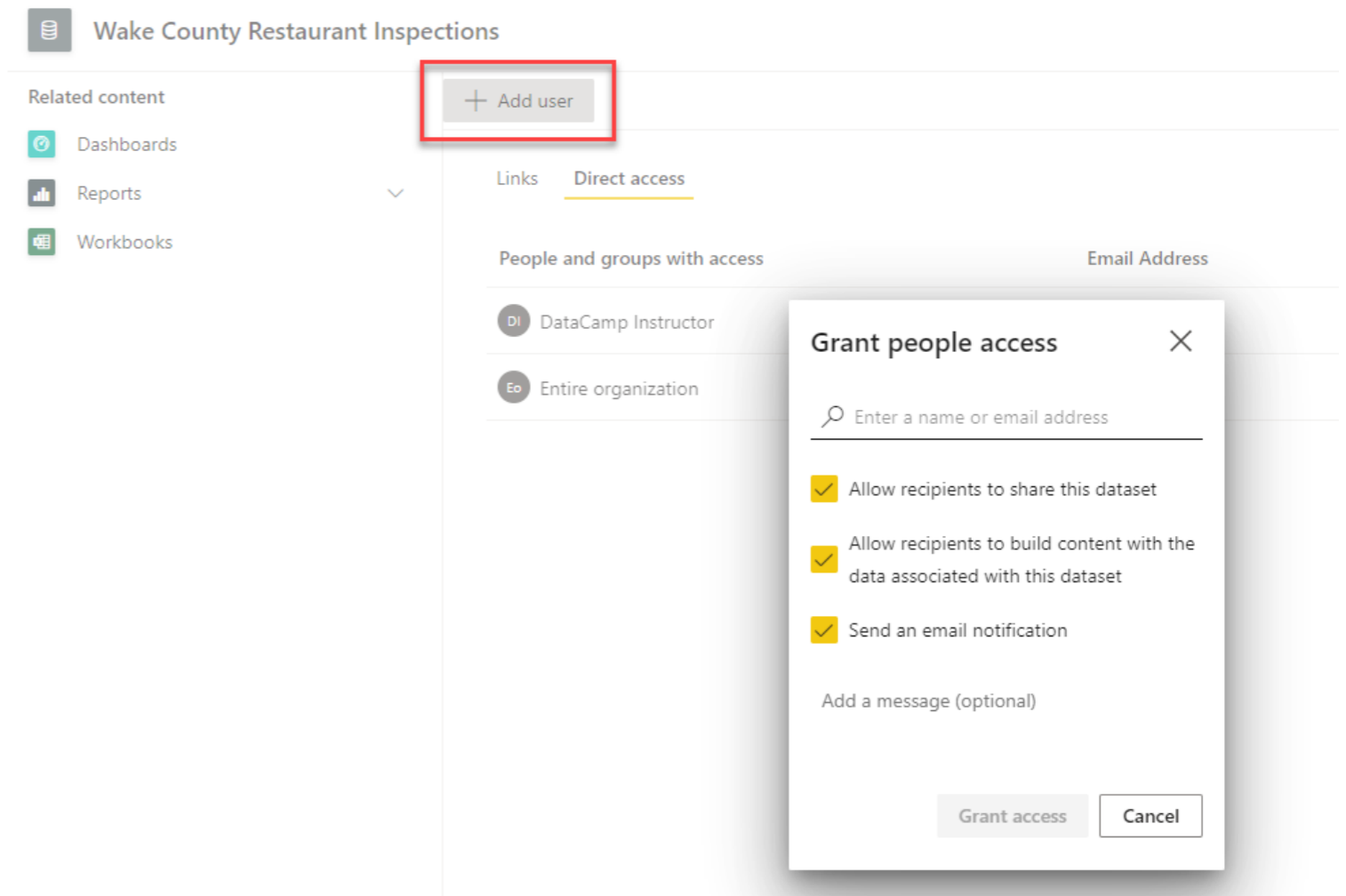
- Allow users to view and modify dataset metadata

# Datasets and workspace roles

	Admin	Member	Contributor	Viewer
Read	Yes	Yes	Yes	Yes
Build	Yes	Yes	Yes	No
Write	Yes	Yes	Yes	No
Reshare	Yes	Yes	No	No

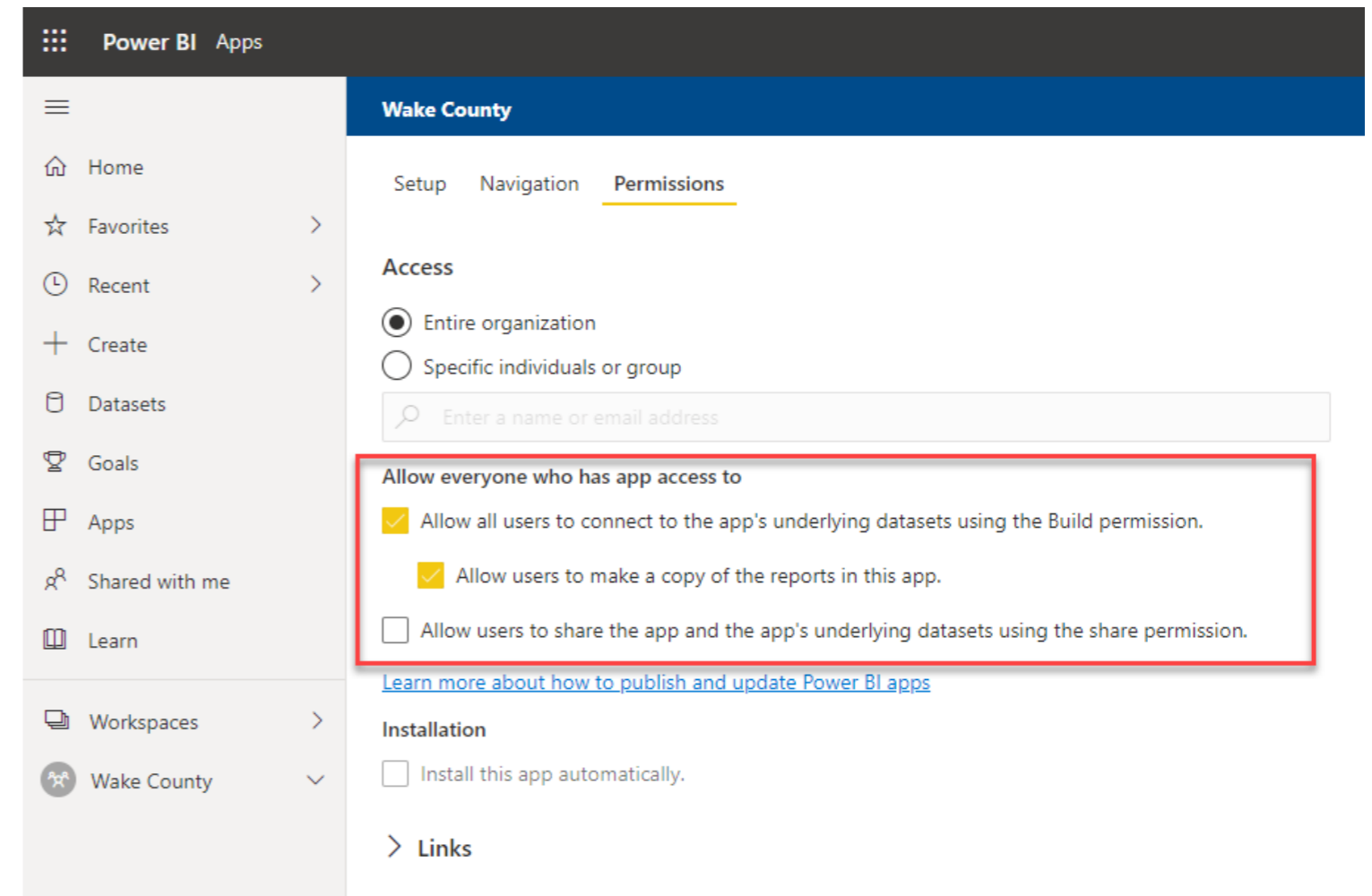
# Ways to obtain dataset permissions

- Directly grant dataset permissions to a user or group



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- Grant permissions to an app and let the user get the app



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- Directly grant dataset permissions to a user or group
- Grant permissions to an app and let the user get the app
- Share a link to a report

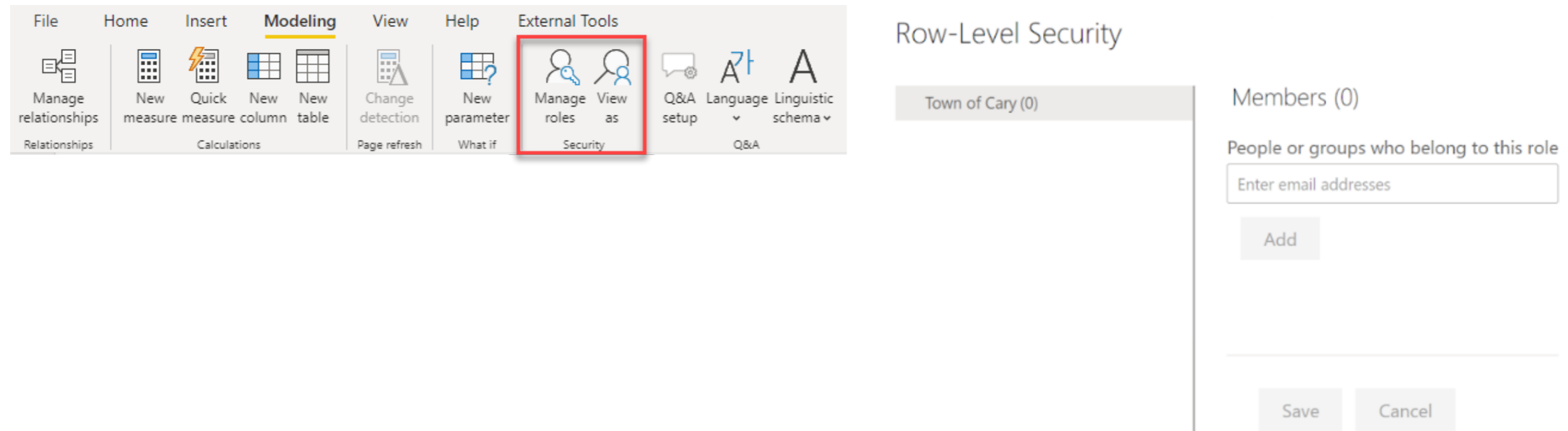
The screenshot displays the Power BI interface for the 'Wake County' workspace. At the top, there's a header with the workspace name and a '+ New' button. Below this, a tab bar shows 'All', 'Content', and 'Datasets + dataflows'. A table lists the content:

	Name	Type	Owner	Refreshed	Next refresh
	Wake County Restaurant Inspections	Report			
	Wake County Restaurant Inspections	Dataset			

Overlaid on the right is a 'Send link' dialog box for the 'Wake County Restaurant Inspections' report. It asks 'Who would you like the link to work for?' and offers three options: 'People in your organization' (selected with a checkmark), 'People with existing access', and 'Specific people'. Below these is a 'Settings' section with two checkboxes: 'Allow recipients to share this report' (checked) and 'Allow recipients to build content with the data associated with this report' (unchecked). The dialog has 'Apply' and 'Cancel' buttons at the bottom.

# Row-level security (RLS)

- Restrict data access for given users
- Create filters to show or hide specific rows based on the current user's access rights
- Filters defined for **roles**
- Use Power BI Desktop to define roles
- Use Power BI Service to assign users and groups to roles



# Row-level security limitations

- Performance will be slower due to additional processing requirements
- Users with dataset Write permissions will see all data--in practice, row-level security is limited to Viewers

# Sensitivity labels

- Guard sensitive content against unauthorized data access and leakage
- Sensitivity labels with encryption settings may affect access to content in Power BI Desktop
- Power BI admins can block export of sensitive data
- Sensitivity labels may change--people with the ability to set sensitivity labels may change them
- All changes are tracked in the Power BI audit log

## Settings for Wake County Rest...

Change default visual interaction from cross highlighting to cross filtering.



### Export data

Choose the type of data you allow your end users to export.

Summarized data and data with current layout



### Sensitivity label

Classify the sensitivity of this report content. [Learn more](#)

(None)



(None)

Public

Personal

Confidential

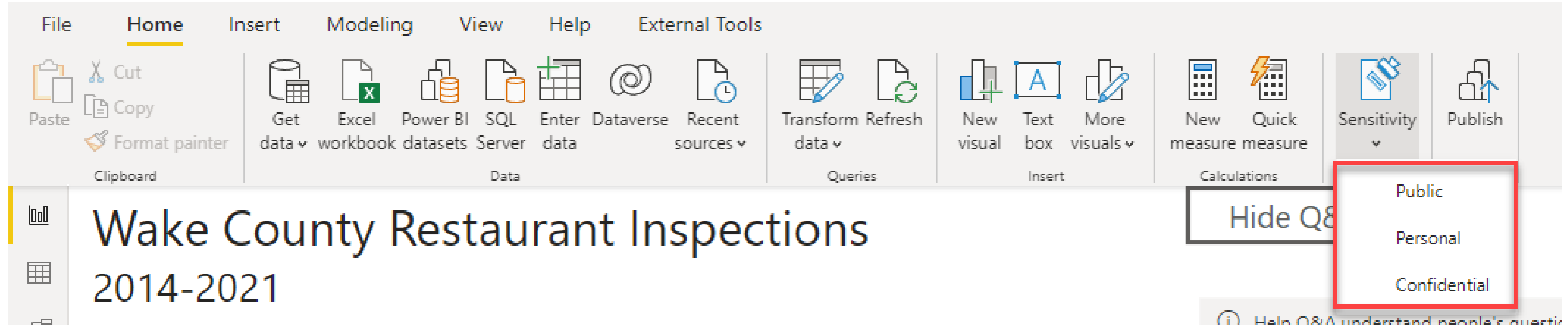
☐ Apply this label to the report's downstream content

[Learn more](#)

[See the downstream items in lineage view](#)

# To set sensitivity labels

- Sensitivity labels must be set up in the Microsoft 365 Compliance Center
- Sensitivity labeling must be enabled for the organization
- Must be logged in
- Must have Power BI Pro or Premium Per User license
- Must have edit permissions on the content you wish to label



# Let's practice!

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# Manage dataset permissions

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**Full Name**  
Instructor

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# Apply sensitivity labels

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