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
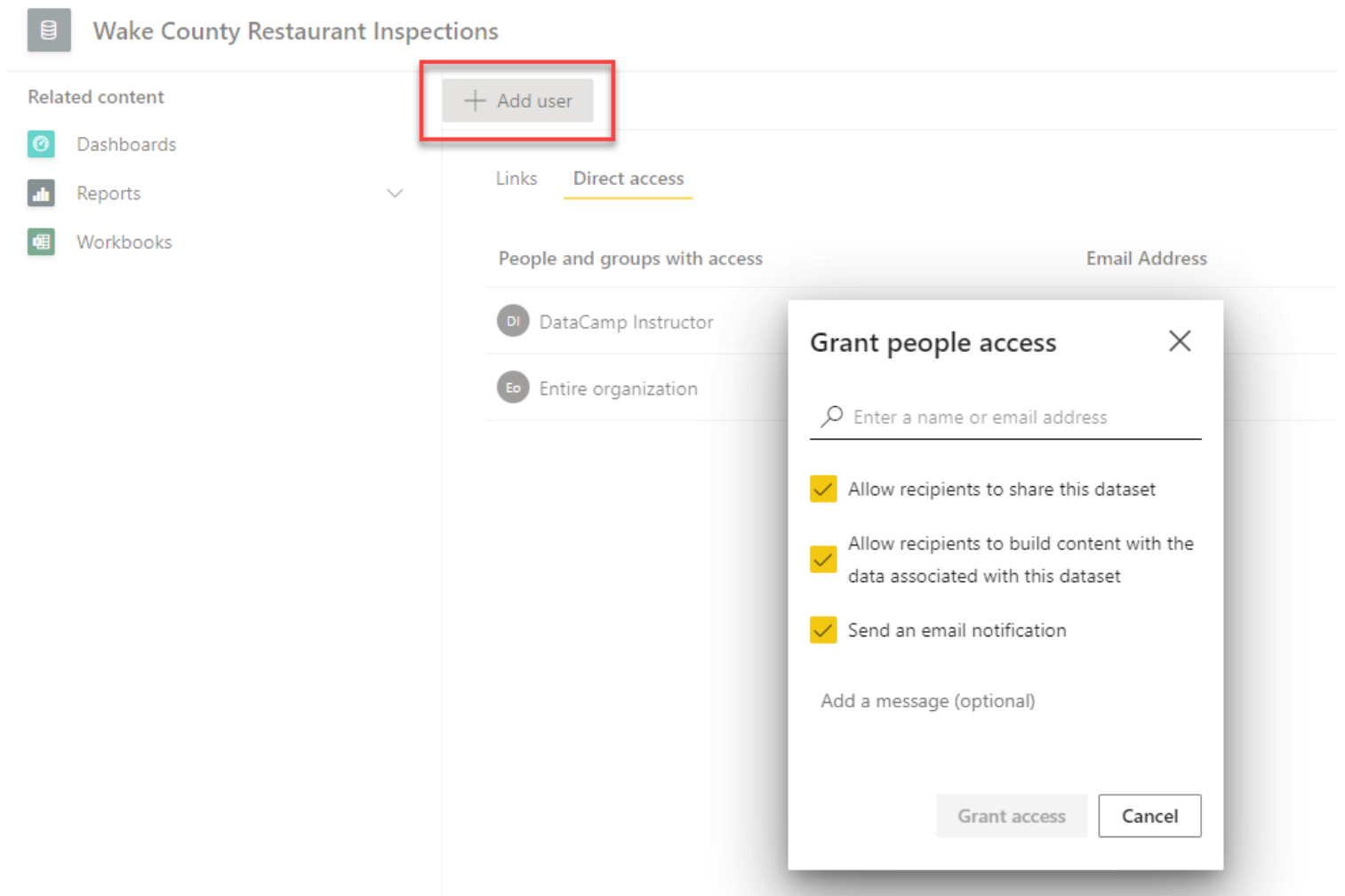
- Allow users to query using external APIs

Write

- Allow users to view and modify dataset metadata

Datasets and workspace roles

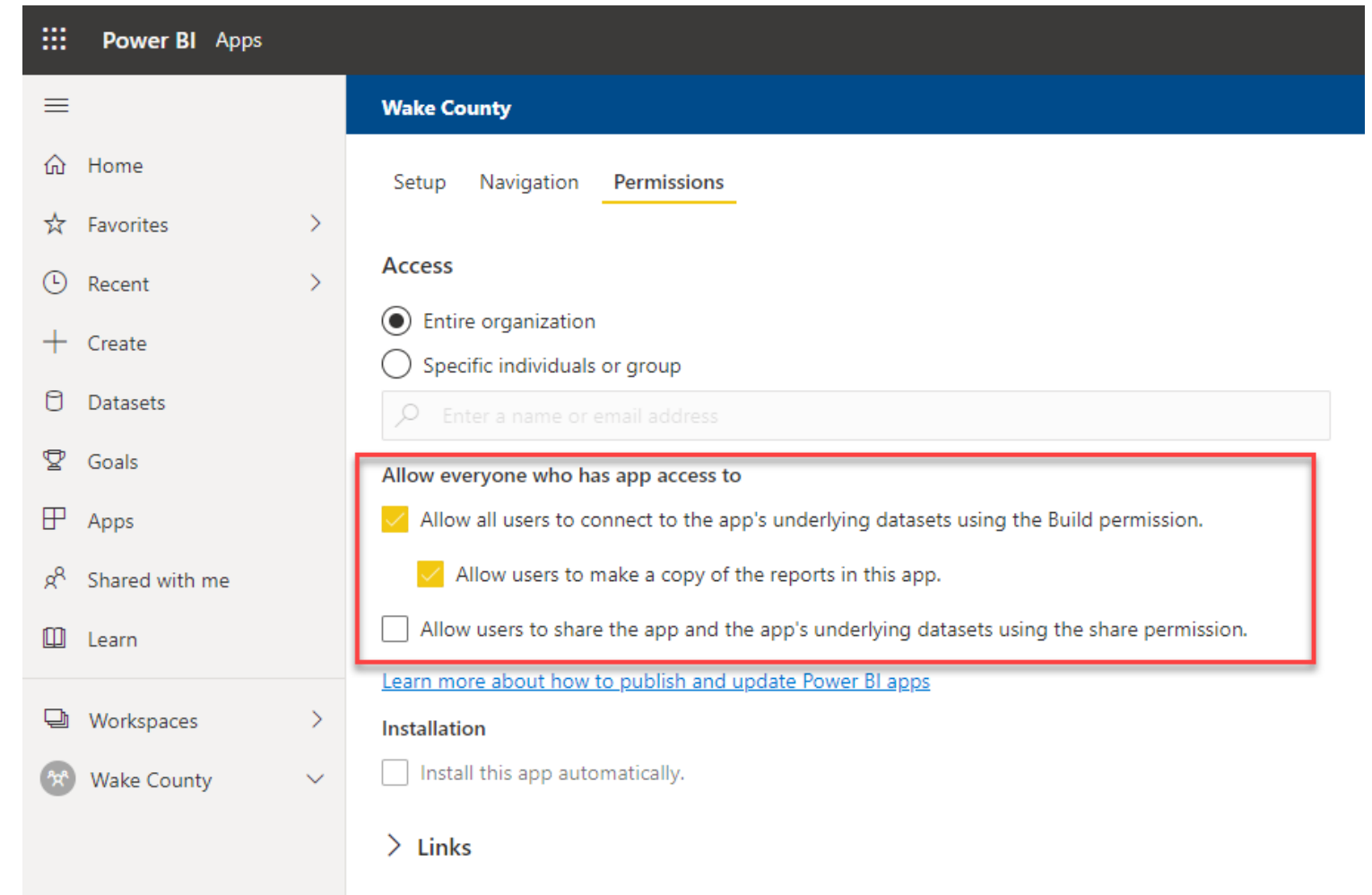|	Admin	Member	Contributor	Viewer
Read	Yes	Yes	Yes	Yes
Build	Yes	Yes	Yes	No
Write	Yes	Yes	Yes	No
Reshare	Yes	Yes	No	No

Ways to obtain dataset permissions

- Directly grant dataset permissions to a user or group

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- Share a link to a report

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
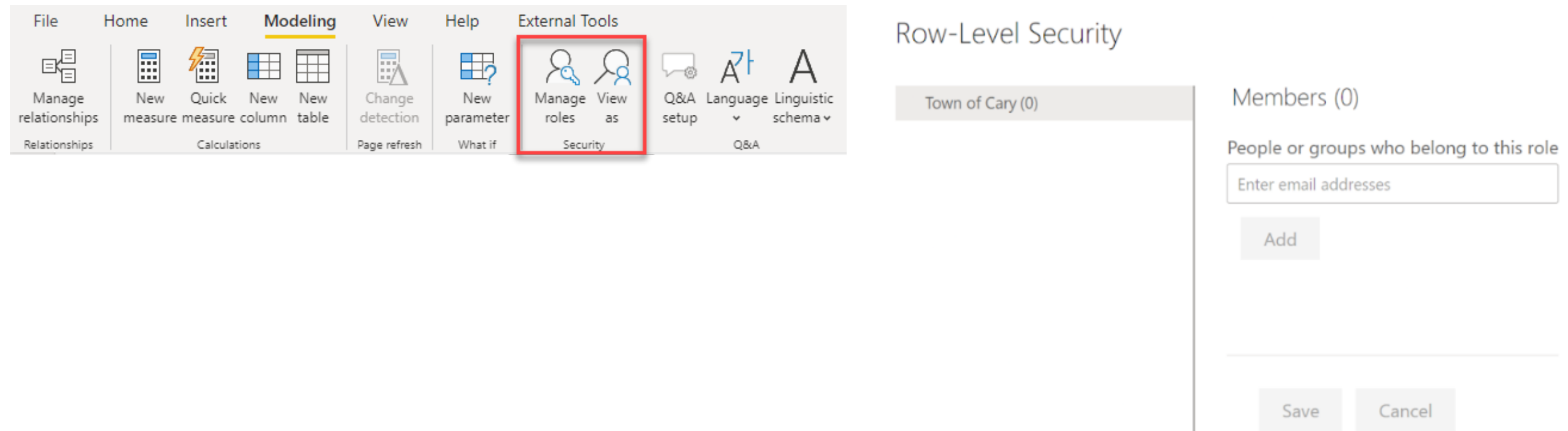
Row-level security limitations

- 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

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
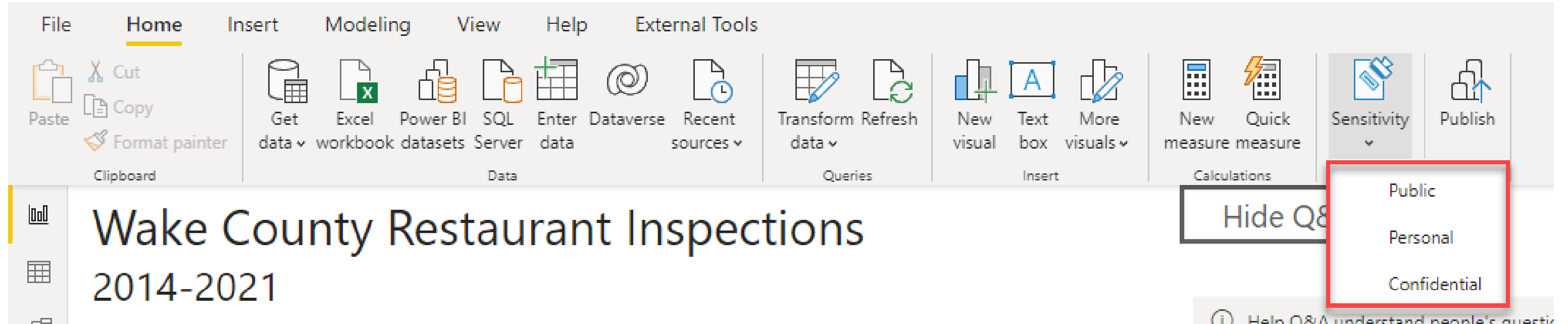
Let's practice!

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Manage dataset permissions

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Full Name
Instructor

Let's practice!

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Apply sensitivity labels

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