



\*For Power Pages, you can only use Dataverse



Do you want to create relationships between multiple tables/lists?

Do you want to create a relationship to a table/list that contains more than 5000 items?

Can you re-think your architecture so that you don't need to do a lookup to a table/list with > 5000 items?

Even if the SharePoint lookup column limit is 5.000 items, it's not a good idea to have large dropdowns (UX). **SharePoint is not a relational database!**

What kind of relationship do you need?

Multiple one-to-many or many to many relationships

Will you reach more than 1.000.000 or > 2GB records in the lifetime of your solution?

Do you want ALM or AI Builder?

Dataverse for Teams might be an option

Dataverse might be an option

SharePoint List(s) might be an option (Microsoft List(s))

**SharePoint Lists (Microsoft Lists)**

- Easy to use
- Included in M365 license
- No complex relations (many-to-many)
- Limits to lookup (one-to-many relations), max 5000 item lookups
- Complex ALM: Not part of the solution package



An example of a relationship is a Support Ticket list that is linked with a Employee list

**Dataverse**

- Simple, for non-developers
- Design tables without software
- **Complex relationships**
- Management of permissions through web-interface
- Access to pre-built entities
- Simplicity of database attached to environment
  - No need to configure Azure firewall
- **ALM: Entities part of the solution package**
  - Azure DevOps (Pipelines)
  - AI Builder
- No advanced backups
- Price

**Azure SQL**

- More ways to access data, not limited to Power Automate, Power BI or Power Apps
  - Complex relationships
- Use built-in tools for backups and restoring data
  - Bulk import with SSIS
- Optimize data retrieval and join SQL tables
  - Stored procedures for complex data
- **Complex ALM: Not part of the solution package**
  - Need to be managed and maintained
  - Price

**Dataverse for Teams**

- Included in most M365 licenses
- Light version of CDS
- Complex relationships
  - No ALM (yet)
- Limited to 2GB data storage
  - Limited to 1.000.000 records
  - No AI Builder

This chart is built to help you choosing your data layer from a Power Platform point of view. However, every situation is different and all requirements need to be investigated carefully before deciding.

Dataverse for Teams environments can be upgraded to Dataverse