# DataBridge for Microsoft Project

Load a Project plan into BFVZ PowerGantt in three steps

## 1. Save as XML from Project

1. Open the plan in Microsoft Project (desktop, Project 2007 or later, including Project Professional and Project Standard).
2. **File > Save As**. Pick a folder, change **Save as type** to **XML Format (*.xml)**, and save.

> Do not use the Export Wizard or an Excel export. Those depend on the field map you pick; the XML always carries every field with fixed names.

## 2. Load in Power BI

1. Double-click `BFVZ_DataBridge_MSP_v2.pbit`.
2. Paste the full path to the `.xml` into **MSP_FilePath**.
3. **DataDateOverride** (optional): blank uses the plan's Status Date (or Current Date if no status date is set).
4. **ProjectNameOverride** (optional): blank uses the plan's Title; if there is none, the single top-level summary task's name; otherwise the file name.
5. Click **Load**. An **MSP_TASKS** table appears in the Data pane.

## 3. What you get

| PowerGantt field | From Project |
|---|---|
| TaskID | Unique ID. Predecessor links in the XML reference Unique IDs, so every link resolves. The row ID you see in Project is in GridColumn1; the WBS code is in GridColumn2. |
| WBSPath / Phase | Rebuilt from Outline Numbers: `Project\Summary 1\Summary 2`. Summary tasks become the hierarchy and are not output as rows. If one top-level summary wraps the whole plan it is treated as the project and the next level down becomes Phase. |
| Rows excluded | Summary tasks, inactive tasks, blank rows, the project summary task (UID 0) |
| PredecessorList | `12FS, 15SS+2d` -- Unique ID + type + lag in working days (percent lags are treated as zero) |
| BaselineStart / BaselineFinish | Baseline (the plan's primary baseline). Blank if no baseline is saved. |

| | |
|---|---|
| PercentComplete | Project's % Complete (duration-based) |
| Resources | Flattened per task: ResourceName, ResourceDiscipline (resource Group), BudgetedWork and ActualWork in hours, ResourceCapacity (Max Units x hours per day), BudgetedCost = Cost, ActualCost |
| Extras | TotalFloat (working days), IsCritical (Project's Critical flag), ConstraintType (SNET, FNLT, MSO, MFO ...; ASAP left blank), ConstraintDate, Deadline |

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## Mapping into PowerGantt

Drag these fields into the PowerGantt wells of the same name:

- ProjectName
- Phase
- TaskName
- TaskID
- MilestoneType
- PredecessorList
- StartDate
- FinishDate
- BaselineStart
- BaselineFinish
- PercentComplete
- BaselinePercentComplete
- DataLabel
- ResourceName
- ResourceDiscipline
- BudgetedWork
- ActualWork
- ResourceCapacity
- GridColumn1
- GridColumn2
- WBSPath
- Company, OwnerPM, OwnerController, ContractorPM (blank; fill from your own data if wanted)

In the Format pane, Schedule & Layout > Hierarchy Source: choose **WBS Path** for the full tree, or leave **Project > Phase** for the two-level view.

> **BaselinePercentComplete** is computed by the bridge: where each task should be at the data date according to its baseline dates (calendar-day linear interpolation, 0 to 100). Tasks without baseline dates are left blank.

## Refreshing and reusing

- Re-export to the same file path and click **Refresh** in Power BI.
- To point at a different file: Home > Transform data > Edit Parameters.
- To add the bridge to an existing report, use the `.pq` text version: in Power Query create the parameters listed at the top of the file (Manage Parameters > New), then New Source > Blank Query > Advanced Editor, paste, Done.

## Privacy

The bridge is Power Query code only. It reads the file you point it at and nothing else. No add-ins, no services, no data leaves your machine.