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Schedule Hub for MS Project

G-Cloud 15 Service Definition

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1 Introducing Power Framework Schedule Hub for MS Project

Microsoft Project (“MS Project”) is a widely used planning tool, deeply embedded across many industries where professional project managers rely on its rich scheduling capabilities.

With Microsoft Project Online being retired in September 2026, organisations using MS Project face a dilemma: Project Online provided the cloud-based aggregation facility for all project plans, to support enterprise reporting, resource sharing and governance across projects. Without it, one is left with just a collection of disconnected project plans: they can be edited individually but they do not share their information of tasks, milestones, and resource demand with the enterprise.

Schedule Hub for MS Project addresses this need by offering a low-cost, easy to implement, cloud-native alternative to both Project Online and Project Server Subscription Edition (SE).

It provides a secure, governed repository for MS Project .mpp files in SharePoint Online, combined with automated extraction of schedule data into Dataverse (the database of the Power Platform). This creates a single, enterprise-grade dataset for reporting, governance, portfolio management, and future AI use cases.

Schedule Hub is designed for organisations that:

- Rely on MS Project Desktop for complex scheduling
- Require enterprise governance, reporting, and auditability
- Wish to avoid the cost and operational burden of on-premises Project Server
- Want to remain fully aligned with the Microsoft 365 and Power Platform roadmap, with the ability to join MS Project schedules to PPM solutions built with Power Apps or other platforms.



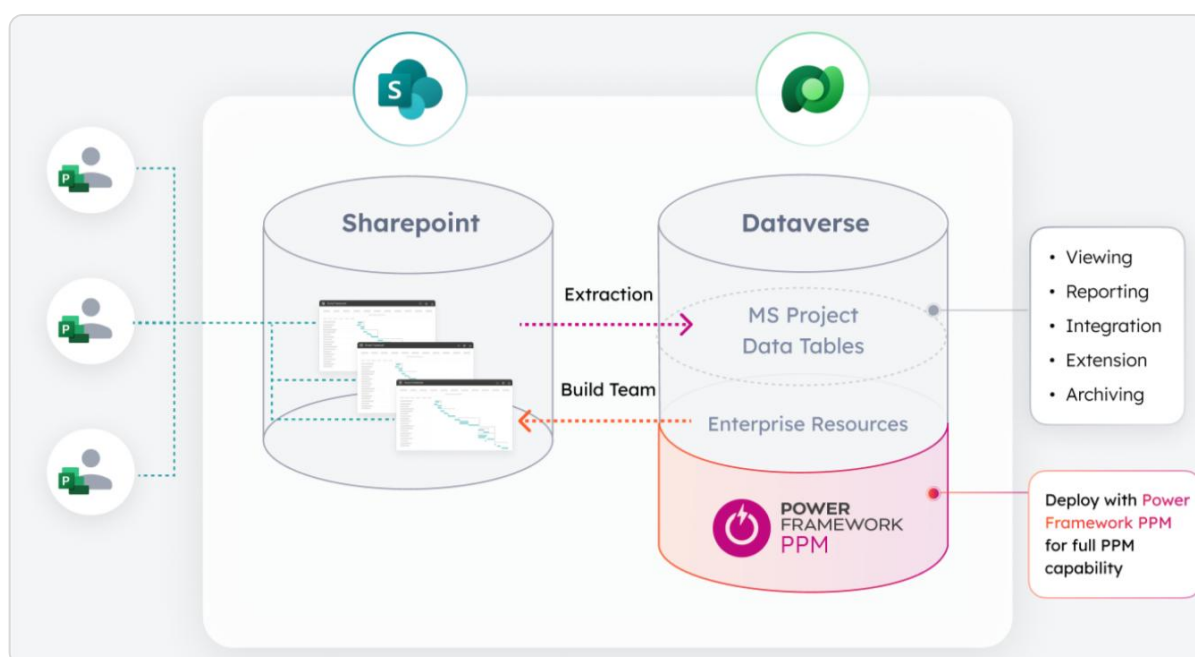
2 Solution Overview

Power Framework Schedule Hub is a schedule data management, governance, and integration solution for MS Project Desktop.

It operates entirely within the customer's Microsoft 365 tenant, using standard, supported Microsoft technologies. It provides a comprehensive set of capabilities that together replace the core scheduling, governance, and reporting functions of Project Online, while remaining simpler and more flexible.

Key Components

The high-level solution concept is as follows (please see section 3 below for further detail on each component):



SharePoint Cloud Repository for MS Project Plans

A central, governed repository for MS Project .mpp files in SharePoint Online, where project managers maintain their project plans using MS Project desktop.

Extraction to Dataverse

Whenever a major version of a plan is saved into the Schedule Hub SharePoint library, all its data is automatically extracted to a Dataverse database, making it available to the organisation for viewing, reporting, integration etc.



Schedule Hub App

This is a Power App that is included to view extracted project data.

Enterprise Resource Pool

The Schedule Hub App also maintains a central Enterprise Resources table, to define resources that can be shared across projects.

Power BI Data Model

Schedule data is made available via Power BI, as the 'single source of truth' for reporting at project and aggregate portfolio level. Out of the box reports are provided, as well as the ability to create ad-hoc custom reports and data extracts.

Power Framework PPM Integration

Built and deployed in Microsoft's low-code Power Platform, Schedule Hub is easily integrated with PPM solutions such as Power Framework PPM, to augment MS Project schedule data with full project portfolio management capabilities.



3 Solution Details

3.1 SharePoint Cloud Repository for MS Project Plans

Schedule Hub stores all MS Project .mpp files in a dedicated SharePoint Online document library, referred to as the *Schedule Hub library*.

Name	Modified	Modified By	Dataverse GU...	Created	Created By
Blue Yonder Airline Flight Rewards System Integration.mpp	Tuesday at 6:36 PM	Gero Renker	7442b133-adda-f011-8544-6045bd0c8fc7	Tuesday at 6:09 PM	Gero Renker
Bradford Solid Material Laser Scanning System.mpp	Yesterday at 9:27 AM	Gero Renker	f2139d86-b2d6-f011-8543-00224800dd09	December 11	Gero Renker
Clearfield Animal Tracking System.mpp	Tuesday at 6:32 PM	Gero Renker	442ea366-3cd5-f011-8544-6045bd0c8fc7	December 9	Paul Thomas
Diamond Wi-fi Communication Protocol for Trey Research.mpp	Wednesday at 4:17 ...	Paul Thomas	ba884ddd-63db-f011-8543-00224800dd09	Wednesday at 4:16 ...	Gero Renker
Next Generation Robotic Picking System.mpp	Yesterday at 10:55 ...	Paul Thomas	2b005417-00dc-f011-8544-6045bd0c8fc7	Yesterday at 10:54 ...	Gero Renker
Project Server 2016 Migration to Project Server SE.mpp	Tuesday at 8:34 PM	Gero Renker	aeb4c9fe-bbda-f011-8544-6045bd0c8fc7	Tuesday at 8:04 PM	Gero Renker
Slope Topology Mapping System.mpp	Yesterday at 10:21 ...	Paul Thomas	d6834454-fbdb-f011-8544-00224800f959	Yesterday at 10:20 ...	Gero Renker

Key characteristics:

- Centralised, cloud-based storage
- SharePoint version history (major and minor versions)
- Check-in / check-out to prevent conflicting edits
- Ability to restore previous schedule versions
- Metadata applied at file level (e.g. Project ID, Owner, Business Unit, Status)

This provides a significantly stronger governance and audit model than unmanaged file shares, while being more light-weight than Project Online.

Seamless MS Project Desktop Integration

Schedule Hub is designed around MS Project Desktop as the primary authoring tool.

Capabilities include:



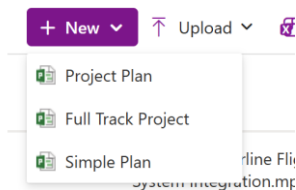
- One-click open of schedules from the Schedule Hub Power App
- Direct editing in MS Project Desktop
- Save-back to SharePoint with version control

From a Project Manager's perspective, the experience remains familiar and efficient, minimising change management and training effort.

Schedule Templates and Standardisation

Schedule Hub supports the creation of schedules from MS Project templates maintained by the enterprise.

Project Plans



Templates can include definitions of local custom fields for Tasks, which are thus replicated to other schedules.

This enables a lightweight alternative to Project Online's Enterprise Project Types (EPTs), supporting standardisation without complex configuration.

3.2 Automatic Data Extraction to Dataverse

While the individual MS Project files are managed and edited in the SharePoint repository, this does not make their data available to the enterprise. For this, Schedule Hub provides automatic extraction of schedule data into Dataverse whenever a major version of a schedule is saved.

Extracted entities include:

- Projects
- Tasks
- Milestones
- Assignments
- Resources
- Baselines
- Time-phased data
- Local custom fields



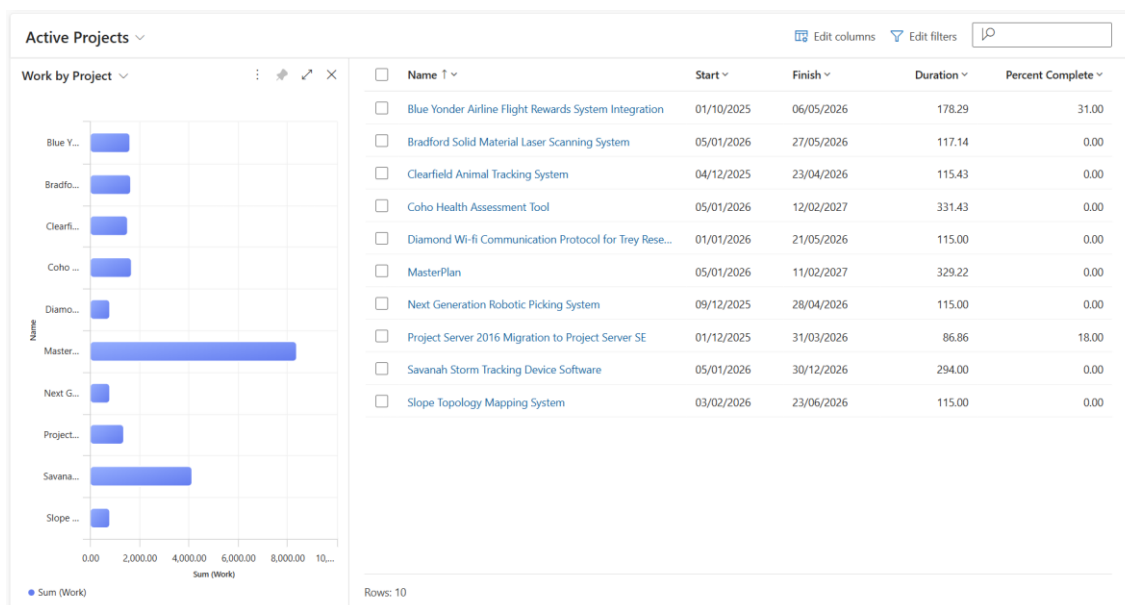
This creates a single enterprise dataset that can be used consistently to support viewing, reporting, governance, and analytics.

3.3 Schedule Hub App

A Power App is included that provides access to all extracted MS Project schedule data.

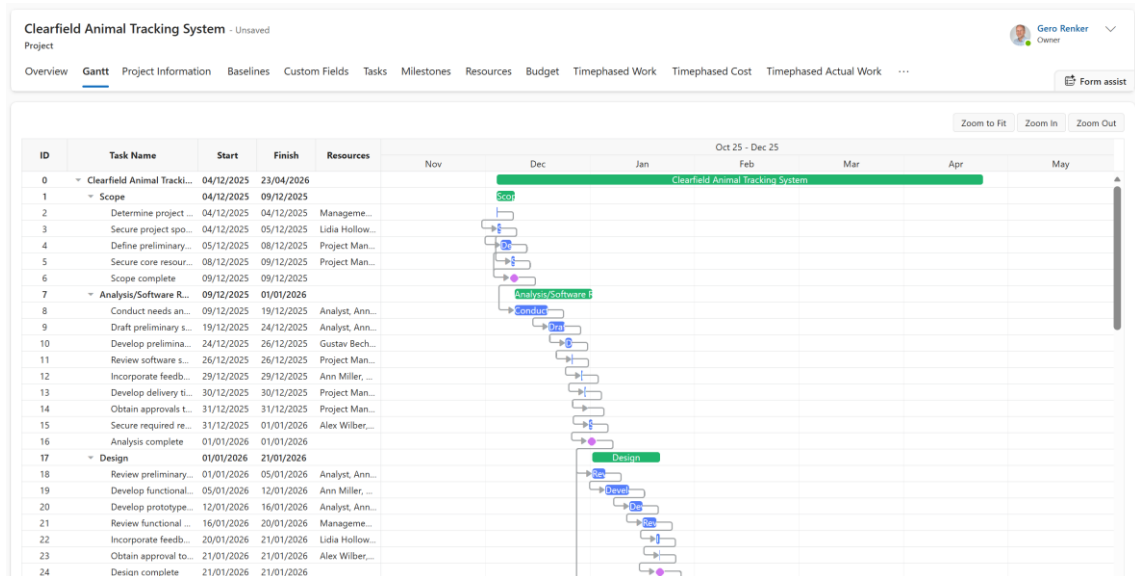
Portfolio View

The Schedule Hub app provides convenient views of all projects, allowing each project to be explored in detail.



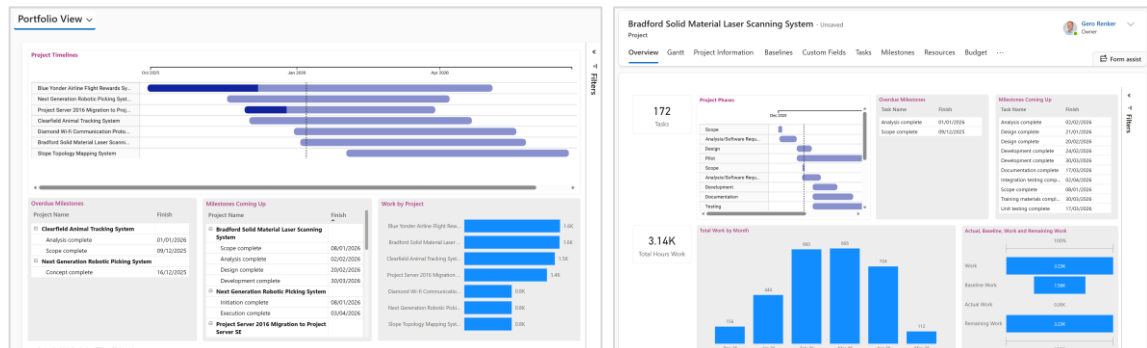
Project Plan Viewer

Within each project, the project plan can be viewed without requiring an MS Project license or potentially having unauthorised edit access to the plan:



Embedded Reports

It also features various report views at portfolio and individual project level.



Field Level Audit History Audit

For any data set, field level auditing can be activated to indicate value changes over time. With this in place, historical updates to the project can be tracked.



Project Server 2016 Migration to Project Server SE - Saved
Project

Overview Gantt Project Information Baselines Custom Fields Tasks Milestones **Audit History** ...

Form assist

Audit History

Filter on: All Fields

DELETE CHANGE HISTORY

Changed Date	Changed By	Event	Changed Field	Old Value	New Value
16/12/2025 20:35	Paul Thomas	Update	Actual Duration	16.15	15.87
			Cost	105440.00000000000	107360.0
			Cost (Base)	105440.00000000000	107360
			Percent Complete	19.00	18.00
			Remaining Cost	81760.00000000000	83680.0
			Remaining Cost (B...	81760.00000000000	83680
			Remaining Duration	70.71	70.99
			Remaining Work	1,064.00	1,088.00
			Work	1,366.00	1,390.00
16/12/2025 20:17	Paul Thomas	Update	Baseline Cost		105440.0
			Baseline Cost (Base)		105440
			Baseline Date		16/12/2025
			Baseline Duration		86.86
			Baseline Estimated...		86.86
			Baseline Estimated...		31/03/2026
			Baseline Estimated...		01/12/2025
			Baseline Finish		31/03/2026
			Baseline Start		01/12/2025
			Baseline Work		1,366.00

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3.4 Enterprise Resource Pool

Schedule Hub includes a Dataverse-based Enterprise Resources table, which acts as a central resource master.

Active Enterprise Resources

Edit columns Edit filters Filter by keyword

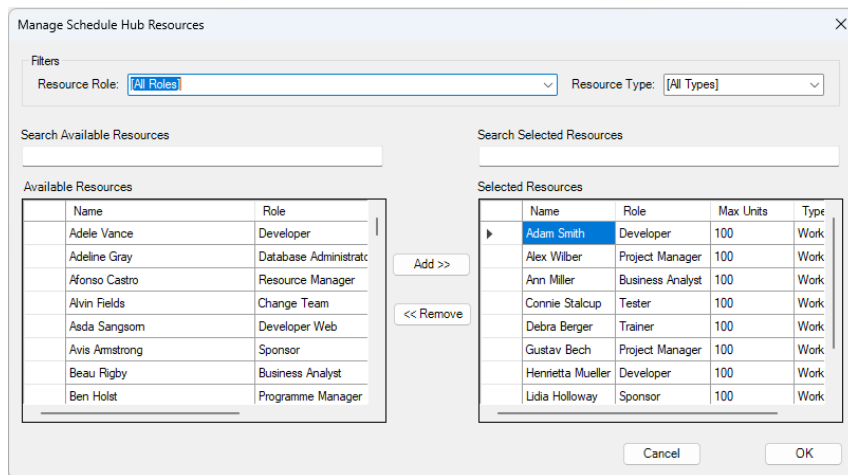
Name	Max Units	Role	Type
Adam Smith	100	Developer	Work
Adele Vance	100	Developer	Work
Adeline Gray	100	Database Administrator	Work
Afonso Castro	100	Resource Manager	Work
Alex Wilber	100	Project Manager	Work
Alvin Fields	100	Change Team	Work
Ann Miller	100	Business Analyst	Work
Asda Sangsorn	100	Developer Web	Work
Avis Armstrong	100	Sponsor	Work
Beau Rigby	100	Business Analyst	Work
Ben Holst	100	Programme Manager	Work
Caleb Word	100	Developer Web	Work

Rows: 147



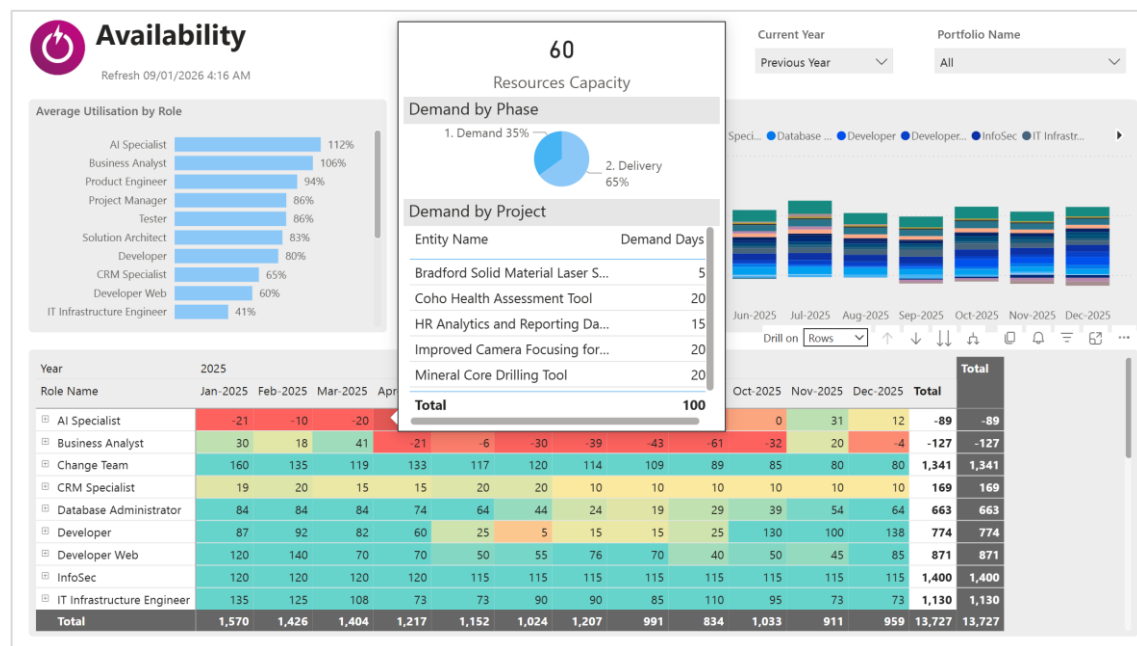
MS Project Desktop Integration

In MS Project the project manager can populate the Resource Sheet of their project with resources defined in the Enterprise Resource Pool, as the basis for tracking their utilisation across the entire project portfolio.



Resource Utilisation Reporting

This concept of sharing resources is the basis for portfolio level utilisation reporting, highlighting over- or under-allocation of resources by role or individually.

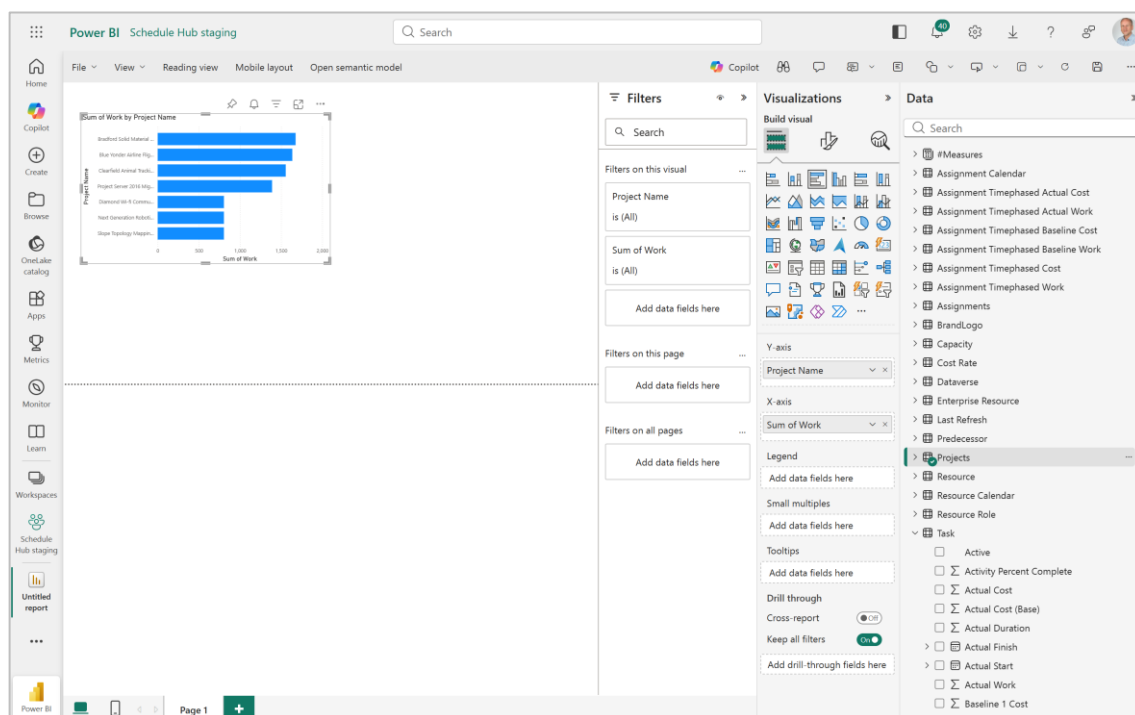




3.5 Power BI Data Model

All MS Project schedule data collated by Schedule Hub is made available for reporting and analytics via a Power BI data model.

As well as being the foundation for supplied out-of-the-box reporting, it facilitates ad-hoc report creation via the Power BI report builder experience:



The data supports reporting at individual project level as well as aggregation of all projects (i.e. portfolio level), for analytics such as:

- Work (actual, remaining, completed, baseline, etc.)
- Cost (budget, forecast, actual, remaining, baseline, time phased etc.)
- Tasks (outstanding, late, timeline reporting)
- Milestones (e.g. late, upcoming)
- Assignments (by resource, status, baseline, time phased etc.)
- Resource utilisation (e.g. overallocated resources, remaining capacity, by role etc.)
- Project portfolio timelines



4 Extending and Integrating for Full PPM Capability

Schedule Hub's focus is on MS Project schedule data. It does not provide full PPM capabilities, such as RAID logs, project status, lifecycle management, document management etc.

Built and deployed in the Microsoft's low code Power Platform, it is easily extended to add data content or integrate with existing PPM solutions such as Power Framework PPM

4.1 Independent by Design

Schedule Hub is intentionally designed as an independent application. It can be deployed as a standalone solution, and exposes its data model through Dataverse for easy integration

This allows customers to:

- Integrate Schedule Hub with their own PPM solution
- Build custom Power Apps or Power BI reports
- Adopt Schedule Hub incrementally without large platform changes

4.2 Optional Integration with Power Framework PPM

When deployed with Power Framework PPM, Schedule Hub provides a first-class, tightly integrated experience:

- Both applications are installed into the same Power Platform environment
- Dataverse tables can be shared or linked directly
- Project records, milestones, governance data, and schedules remain fully aligned
- Schedule Hub acts as the MS Project connector layer for Power Framework PPM

This integration is optional but provides significant value for customers seeking a complete



5 Support Service Definition

The support service for Power Framework Schedule Hub for MS Project is designed to give you full peace of mind. It is provided by the Power Framework support team and will be the first point of call for any query or issue relating to the solution.

Service Scope

The support service covers your specific configuration of the Power Framework app and reporting features, to provide solution fixes where required.

It also covers advice on any functionality queries relating to the solution, best practice usage or anything else you want to throw at us. It is essential in avoiding user frustration and supporting full adoption.

This will include the following:

- Unlimited support calls (subject to fair use)
- Logged by email with our helpdesk 24 x 7
- Assistance will be provided remotely (support does not cover onsite consulting)
- Active during normal business hours
- Implemented as 2nd or 3rd line support (specific client representatives nominated/authorised to raise calls with Program Framework, e.g. PMO members)

Exclusions

The support service excludes:

- Solution configuration or development
- Onsite consulting
- Application user training
- Support for Microsoft Cloud platform issues unless they cause malfunction of Planner Premium solutions features
- Support for issues resulting from customer-made changes to the application, workflows, or reports unless expressly commissioned and implemented by Power Framework. We reserve the right to assess whether a reported issue arises from such changes and may offer support on a time-and-materials basis to resolve them.



Microsoft Cloud Platform Issues

Power Framework is deployed within your own Microsoft cloud tenant, using services in the Power Platform and storing its data in Dataverse, the Power Platform database. Your Microsoft Cloud services are assured by your own Microsoft technical support.

Microsoft Cloud platform issues may cause Power Framework solution features to malfunction. These will be diagnosed by our support team but may require escalation to Microsoft. Our support team can assist your own IT team with raising the Microsoft support request and compiling the evidence.

Client Internal First Line Support

Our standard support service is implemented as 2nd or 3rd line support. Clients will nominate a group of internal staff who will provide first line support and validate any requests prior to escalating to the Power Framework helpdesk.

These authorised individuals will be registered with the Power Framework helpdesk and requests from any other individuals will not be accepted.

This is to ensure that due process is followed, client in-house expertise is built up and can be applied where possible, and support requests can be tracked effectively.

Submitting and Tracking Support Requests

Requests are submitted via email or directly in our online service desk portal, where they can also be tracked and reviewed (detailed instructions will be supplied).

Standard Response Times

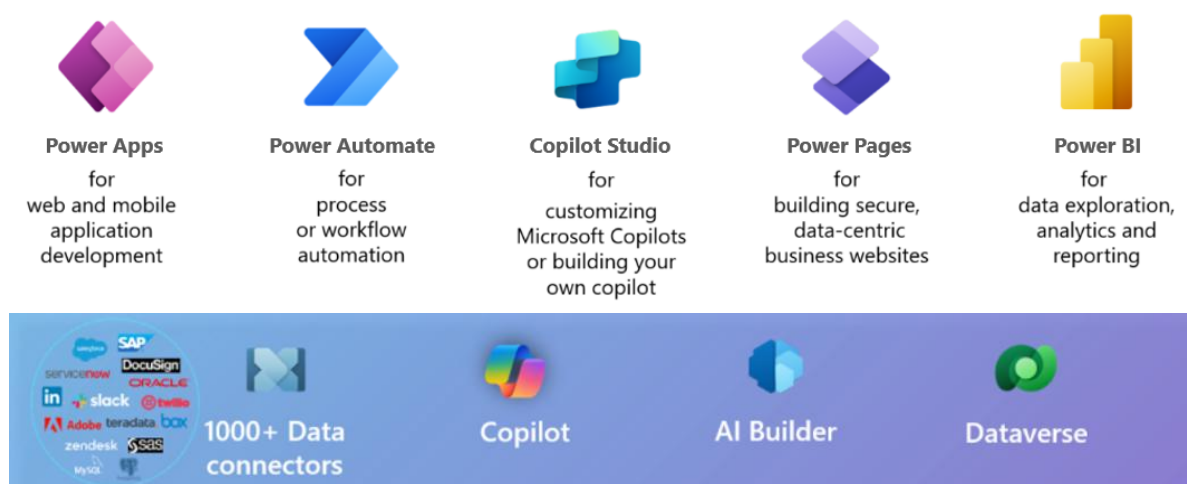
The following table indicates the maximum time periods for a Power Framework support analyst to commence work on a support request received. These are associated with the severity level assigned by the client:

Severity Level	Functionality Loss	Users Impacted	Response Time
1	Major	Many or All	4 Business Hours
2	Minor	Few or None	16 Business Hours
3	None	Any	4 Business Days



6 Appendix: Introducing the Microsoft Power Platform

The Microsoft Power Platform is a suite of cloud-based tools designed to create, manage, and analyse data-driven applications across multiple devices. Key services in the platform include:



Power Framework Schedule Hub for MS Project is created with Power Apps and stores its data in **Dataverse**. It is deployed in your own cloud tenant rather than being hosted by a 3rd party vendor. It inherits the many benefits of the platform such as:

- **Microsoft Cloud-Native** – Protects your investment in Microsoft cloud, the platform that is already securely accessed by your users and adopted for daily collaboration.
- **Low-Code/Pro-Code Flexibility** – While the platform enables rapid development with low-code tools, it also supports extensibility through pro-code capabilities (e.g., Power Automate, Azure Functions, and Dataverse APIs).
- **Secure and Compliant** – Microsoft Dataverse provides enterprise-grade security, including role-based access control (RBAC), data loss prevention (DLP) policies, and compliance with industry standards (ISO, GDPR, SOC, etc.).
- **Seamless Integration** – The Power Platform natively integrates with Microsoft 365, Dynamics 365, Azure, and other third-party services via prebuilt connectors and APIs, reducing the need for custom development.
- **Scalable and Maintainable Architecture** – The use of Dataverse ensures a scalable, structured data model with relational database capabilities, advanced query performance, and support for large datasets.



- **Automated Workflows & AI Capabilities** – Power Automate allows for process automation across systems, and AI Builder and Copilot provide embedded AI-driven insights.
- **Extensible & Customizable** – Organisations can tailor the solution with Power Apps, Power Automate, custom connectors, or embedded Power BI reports while maintaining a standard deployment approach.
- **Governance & Lifecycle Management** – The platform can support robust ALM (Application Lifecycle Management) with DevOps capabilities via solutions, environments, and source control integration with GitHub/Azure DevOps.

Environments

The application is deployed in a **Power Platform environment**. An environment is a logical container that isolates and manages apps, data, and resources within the Power Platform. It serves as the foundation for governance, security, and application lifecycle management (ALM). Key Characteristics of a Power Platform Environment include:

- **Data and App Isolation** – Each environment is a separate space that contains its own Dataverse database, apps, flows, and resources, ensuring separation between development, testing, and production.
- **Security & Access Control** – Environments support role-based access control (RBAC) and security groups, allowing administrators to define who can build, modify, or access apps and data.
- **Application Lifecycle Management (ALM)** – Environments facilitate structured solution management, allowing us to develop and deploy our applications across Dev, Pre-Prod/Test, and Production environments using solutions and pipelines.
- **Geographic & Compliance Considerations** – Organisations can choose environment regions to comply with data residency requirements and optimize performance based on user location.

All environments benefit from built-in [business continuity](#) and [backup](#) features of the Power Platform.