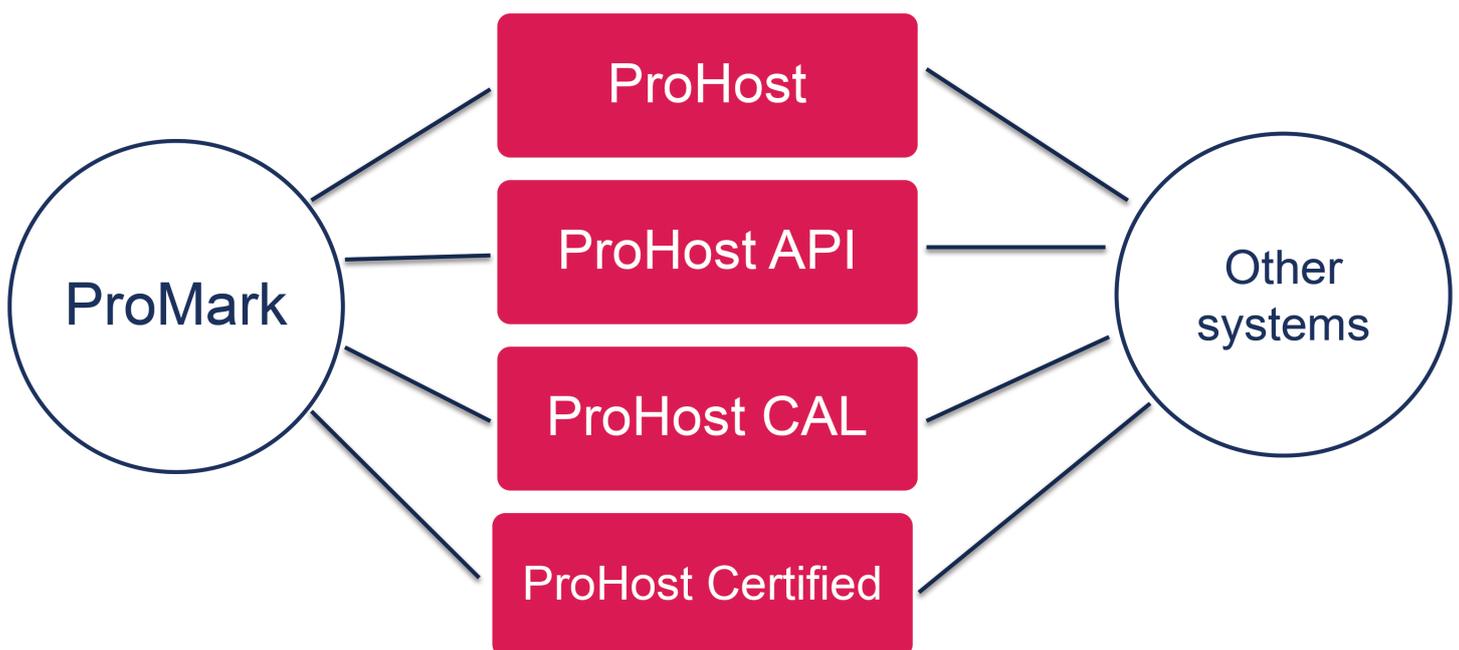# ProMark integration options

ADVANCED OPTIONS FOR INTEGRATION WITH PROMARK VIA PROHOST

ProMark offers a number of integration options, from the very simple to the most modern and advanced kinds with e.g. API control, ensuring a smooth integration between ProMark and other business systems. The setup can both integrate data, business logic, user interfaces and security with e.g. common login via single sign-on.

Get an overview of the various options that can match every business need and IT architecture.

ProMark

ProHost

ProHost API

ProHost CAL

ProHost Certified

Other systems

ProMark integration options

INTEGRATION INCREASES EFFICIENCY IN THE TOTAL INFORMATION SYSTEM

INTEGRATION WITH PROMARK VIA PROHOST MODULES

ProMark is a unique Workforce Management tool for the collection, presentation and distribution of payroll and production related data. By integrating with other business systems such as HR, payroll and ERP systems using relevant technologies, ProHost enrichs the other systems with data and thus increases the efficiency in the total information system considerably.

INTEGRATION FOR PUBLIC SYSTEMS

At the same time, ProMark can integrate with Microsoft Outlook (Exchange or O365) or with public systems, improving the reporting processes.

MANAGEMENT TOOL

Active management information is a question of what goes on this very minute. With current information, you get a management tool that provides overview and allows for fast reaction, control and correction.

INCREASES THE VALUE OF YOUR DATA

In other words, ProMark makes it possible to increase the relevance and credibility of:

- Attendance data
- Absence data
- Planning data
- Production data
- Project data
- Stock data and
- Cost data

– at every level.

ONE SYSTEM CANNOT SUPPORT EVERYTHING!

Often, a solution based on only one system will force the company to compromise one or more critical business goals. A solution of efficient and well-integrated systems provides a much more flexible and effective support of the company's business processes.

OVERVIEW OF STANDARD INTEGRATIONS

PAYROLL & HR SYSTEMS

4Human	Mindkey	Sympa
Aditro Lön & HR	MoorePay Payroll & HR	Talentsoft
Agda Lön	MR-Løn/KMD	Visma DataLøn
Epos-løn & HR	Multisoft	Visma HR-plus
Flex HRM Payroll	Personec Lön & HR	Visma HR-plus maps
Formula Lønn & Personal	POL Lön	Visma Løn
Hogia Lön	Sage Payroll & HR	Visma.net Payroll
HRM Software Lön & HR	SnowdropKCS	Visma SPCS
Huldt & Lillevik	SAP HCM	Workday
Kontek Lön	SAP SuccessFactors	
Lessor løn	SAP Payroll	

ProMark integration options

ERP SYSTEMS

Agresso UBW

ASPECT/4

Concorde XAL

IFS Applications

Infor ERP LN

Infor M3

Jeeves

Microsoft Dynamics:

- 365 Business Central
- 365 Finance
- 365 Supply Chain Management
- AX
- NAV

Multi+

Oracle ERP

SAP Business One

SAP ERP

Visma Business

Visma.net

TELEPHONE SYSTEMS

CAX

Trio Present (TCP/IP)

TECHNOLOGIES

File exchange:

- Comma-separated – fixed length
- XML
- IDocs (for SAP)

Database/table exchange:

- Oracle
- MS SQL
- Progress

Services (SOA):

- Windows Communication Foundation (WCF)
- MS Outlook/Office365
- SAP .Net Connector
- OData driver
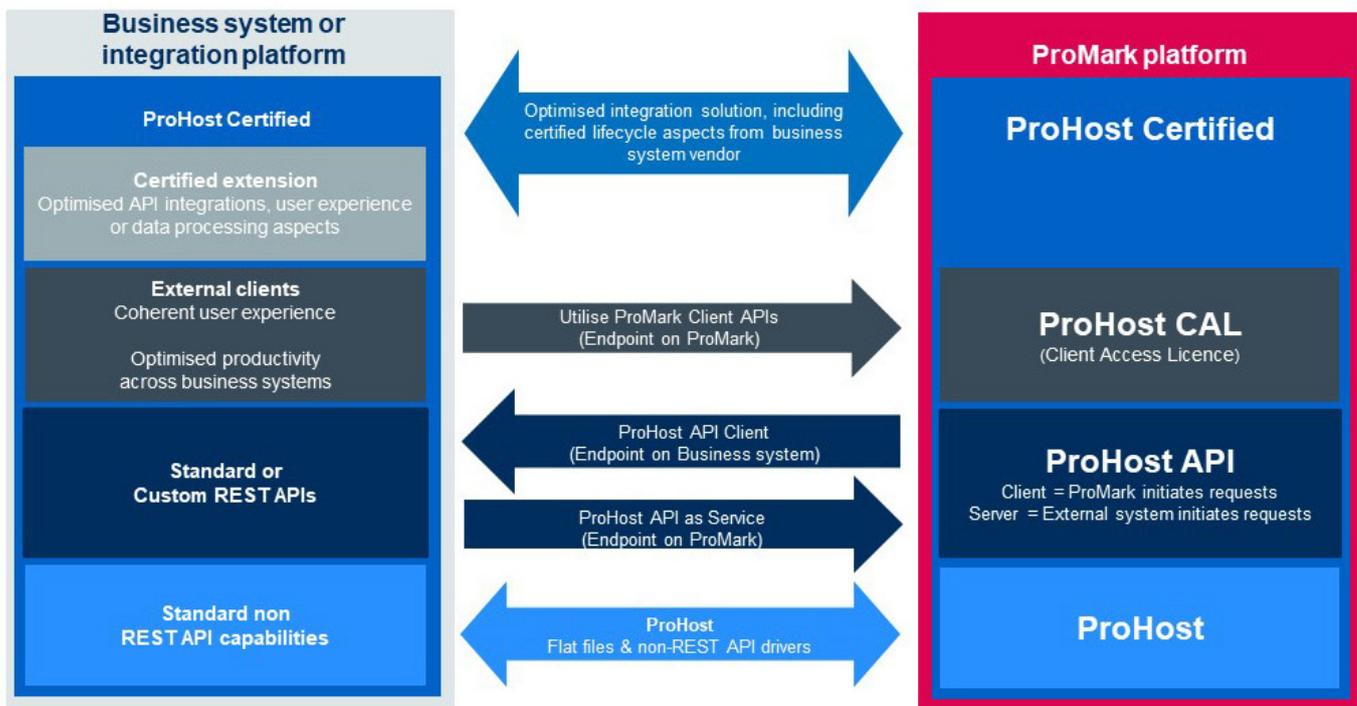- REST APIs

INTEGRATION OPTIONS

FOUR DIFFERENT INTEGRATION SOLUTIONS

The ProHost modules cover all modern way of integrating systems, from the very simple to the most modern and advanced, ensuring your personal data according to the GDPR. You can choose between four different integration modules depending on your need and IT environment:

- **ProHost**: The well-known integration with e.g. file exchange between Pro-Mark and each individual business system according to a specific format and with the use of specific drivers

- **ProHost API**: Integration with standard or tailored REST APIs, where ProMark acts either as client or server. The modern integration between systems communicating securely including login between systems

ProMark integration options

- **ProHost CAL** (Client Access Licence): ProMark client APIs are used to get access to ProMark's business logic and data, allowing the company to build their own apps or a consistent user interface for all systems

- **ProHost Certified:** Certified applications purchased via Microsoft or SAP's app centers, where the API integration is optimised, the user interface matches, documentation is online, and the system is continuously updated according to the current version of the supplier's system

**SIMPLE INTEGRATION
E.G. VIA FILE EXCHANGE**

PROHOST

ProHost is ProMark's well-known integration module, offering a wide range of standard integrations to known systems via simple file exchange as well as by using various drivers such as ERP, payroll and HR driver or drivers for Microsoft Outlook (Exchange or O365).

The methods are functioning well individually and have been proven over a long period of time. They are fast and easy to implement, can be configured as needed and are easy to customize afterwards.

This type of integration is easy to implement, but as the number of integrations increase and the integrations must be adjusted according to changes in other systems, complexity increases which gives greater risk of complications and operational disruptions. At the same time, there may be an uncertainty in storing files somewhere where they need to be captured by other systems – with subsequent risks in relation to the GDPR and personal data.

ProMark integration options

THE MODERN STANDARD

PROHOST API

ProHost API provides great flexibility and high security in the integration. The API integration standardises the exchange of data, allowing systems to communicate via modern standards – sending requests and responses that contain all relevant data to be placed correctly in both systems.

API is the most modern standard used by the large eco systems.

Depending on the customer's need, ProHost can act as:
• REST API server and
• REST API client

This type of integration handles both public and private APIs, and the security is high due to the direct communication between the systems. In addition, it is easy to overview and manage volume and cost.

FOR THE CUSTOMER'S OWN CONFIGURATION OF USER INTERFACES

PROHOST CAL

CAL stands for Client Access Licence, and means that you as a customer can get access to ProMark's business logic and data. Thus, you can develop your own apps or user interfaces which communicate directly with the ProMark server by using the same APIs the ProMark clients.

Thus, you can build user interfaces to give your employees a consistent user experience for all their systems, e.g. in your own portal or intranet, while utilizing ProMark's advanced functions and logic. And you can build role-based apps and user interfaces to the employees.

Data is exchanged in real time and the module supports SSL and OAuth2, where the user is verified through logging into another system.

ALWAYS UPDATED, CERTIFIED INTEGRATIONS WITH E.G. MICROSOFT AND SAP

PROHOST CERTIFIED

This is the controlled and structured approach to integration with high security. With ProHost Certified, you will get a complete solution with built-in integration, as we have developed a ProMark solution directly to SAP and Microsoft in their app stores which is continuously maintained and updated at the cadence required in these solutions. Thus, ProMark acts as a natural extension of these business systems.

ProHost Certified also allows you to exploit our other integration solutions if you need different integration methods for different systems; an all-in-one solution.

Official documentation, data and setup templates and optimised REST APIs are included in the solution.

ProMark integration options

	PROHOST	PROHOST API	PROHOST CAL	PROHOST CERTIFIED
DATA EXCHANGE	File transfer CSV file driver or specific system driver	ProHost data transfer via REST APIs. ProMark as server or client	ProMark client REST APIs ProMark as server	Package solution combining integration aspects incl. extensions in external system
DATA FORMAT	Simple and supporting legacy systems	Modern, secure standard format (JSON)	Modern, secure standard format (JSON)	Modern solution continuously maintained according to app store requirements
DATA MAPPING	Configuration, but requires location for data exchange	Configuration – direct communication between systems	Configuration/coding – direct communication between systems	Configuration – updated according to external system version
COUPLING	Loosely coupled	Loosely coupled	Tightly coupled	Tightly coupled
SECURITY	Security for files in transit must be managed	High. Secured with e.g. SSL for https communication	High. Secured with e.g. SSL for https communication	High, according to app store requirements
AUTHENTICATION	According to rights for transit area	OAuth2, basic or formbased	OAuth2, basic or formbased	OAuth2
INTEGRATION STYLE	Data	Data	Security (single sign-on), logic and data	Security (single sign-on), logic and data
STRATEGY	Simple. Point-to-point or middleware	Service-oriented. Point-to-point or middleware	Service-oriented and consistent user experience	Service and certified cloud solution-oriented

Detailed information about the various integration options with more technical details can be found in product sheet for each module.

THE VALUE OF INTEGRATION WITH PROMARK

VALUABLE AND CURRENT INFORMATION

By integrating with ProMark, you get flexible opportunities to enrich other systems with all the data gathered in ProMark.

LESS MANUAL ROUTINES AND ERRORS IN TRANSFER OF DATA

By tying the company's systems together, valuable and current information is available when and where it is needed – without any risk of human errors and delays. At the same time, it eliminates a number of administrative routines in payroll calculation, production planning, purchase, logistics, inventory, sales, management etc.
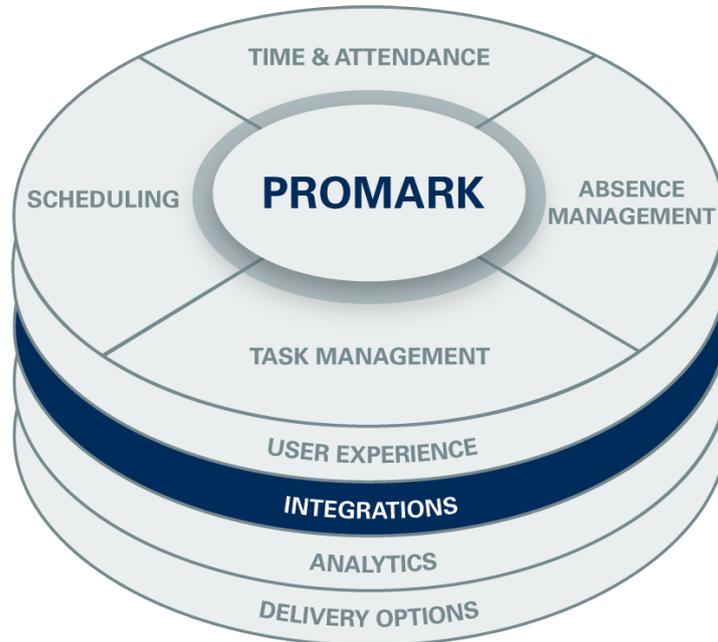
ACTIVE MANAGEMENT INFORMATION

ProMark connects the modern business solutions (ERP) with the real world, and provides active management information about what happens this very minute. This allows you to focus on the most important matters and to adjust plans immediately when unexpected incidents, on a solid and factual basis.

BENEFITS ALL BUSINESS PROCESSES

With the right information available in the right systems, you get very flexible and efficient support of the company's business processes.

PROMARK WORKFORCE MANAGEMENT

ProMark integrations are handled in the ProHost modules according to customer needs. ProMark Workforce Management helps manage companies' largest and most valuable and strategic resource the workforce.
Contact us at +44 808 23 44 786 for more information about all opportunities or go to www.mark-info.co.uk.

TIME AND ATTENDANCE
Accurate registration of working hours and absence validated against collective and local agreements Forlovetcreates the correct payroll basis

ABSENCE MANAGEMENT
Advanced handling of accrual, use and transfer of holiday. Sickness management with distribution on the right accounts and workflows for follow-up and overview

TASK MANAGEMENT
Registration of employee activities (job, project and process) refines ERP data for follow-up on deliveries and costs

SCHEDULING
Rostering and employee scheduling for effective use of company resources – even in case of deviations

USER EXPERIENCE
Web portal, mobile app and terminals for registration, overview and approvals

INTEGRATIONS
Modern, secure API-based integrations for payroll, HR and ERP ensure exchange of important data and user experiences

ANALYTICS
Reports and Business Intelligence for analysis of data from all parts of ProMark for fact-based decisions and increased efficiency

DELIVERY OPTIONS
Standard public cloud, private cloud or on-premise according to customer requirements

2021-08

MARK INFORMATION

Mark Information is an innovative software company offering Workforce Management solutions from offices in Denmark, Sweden, Norway, United Kingdom and Romania. Mark Information's Workforce Management solution ProMark enables customers to optimise productivity and generate savings through scheduling the right resources, at the right time, for the right job and ensures that resources are remunerated correctly in the most effective way. Mark Information services global corporations and has more than 1000 installations and 300,000 users. Read more at www.mark-info.co.uk.