

Developer Partner Programme



Introduction

With version 10, we have introduced Time&Space API for advanced integration with 3rd party software. The support for the API integration comes through Time&Space Developer Partner Programme, available to select 3rd party developers. The programme is based on the Developer Partner Agreement and is paid through annual membership. Time&Space Developer Partners have access to technical information and are provided with technical support necessary for API integration.

Overview

Time&Space API's provide the ultimate web based integration platform allowing software integrators and 3rd party solution developers to tap into the wealth of information available from Time&Space software suite. Two separate API's are available, one for the access control (Space API) and another one for the time & attendance (Time API).

Here are some highlights:

- ✓ **RESTful Interface**
Use standard HTTP CRUD calls which are programming language independent and the de-facto industry standard for interfacing with external applications. JSON data structures are returned to the caller.
- ✓ **Standard security**
Use HTTPS along with token based authentication to allow third party applications to operate and/or integrate with the Time & Space system.
- ✓ **Fully documented**
Both Time and Space APIs come with full documentation and HTTP call examples.
- ✓ **Standard IIS architecture**
Both APIs are classic IIS applications that can link to Time&Space database.

TIME API



The Time API provides employee related data and time calculations. The following entities are exposed:

- Employees
- Calendars
- Event definitions
- Time Categories
- Organizational Units
- Schedules

- Working Schemes
- Counters
- Calculations
- Clockings
- Job costing types
- Presence

This way, an external application can integrate with Time&Space master data and obtain exact time event data and related calculations such as a number of vacation days left, total hours worked, time balance, etc.

SPACE API



Space API on the other hand focuses on data and processes related to access control. Using this API inputs and outputs can be monitored and triggered enabling functions such as opening individual doors. The following structures are exposed:

- Alarms
- Badges
- Users
- Readers
- Profiles
- Inputs & Outputs
- Controllers
- Access events

Third party applications can subscribe to push notification from Time&Space events and alarms using **SignalR** framework (<http://signalr.net>).

End-User Licensing

API based 3rd party integration solutions require one-time end-user AIS license (Advanced Integration Services). For more information see Time&Space License Scheme.