

ProAPI Installation and Set Up Guide

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1. Introduction

ProAPI enables the secure connection between The on-premise version of ProSolution and other SaaS based OneAdvanced products.

Current integrations available that utilise ProAPI are:

- MIS (ProSolution) and Financials
- MIS (ProSolution) and LMS Onboarding

2. Pre-Requisites

2.1 Versions

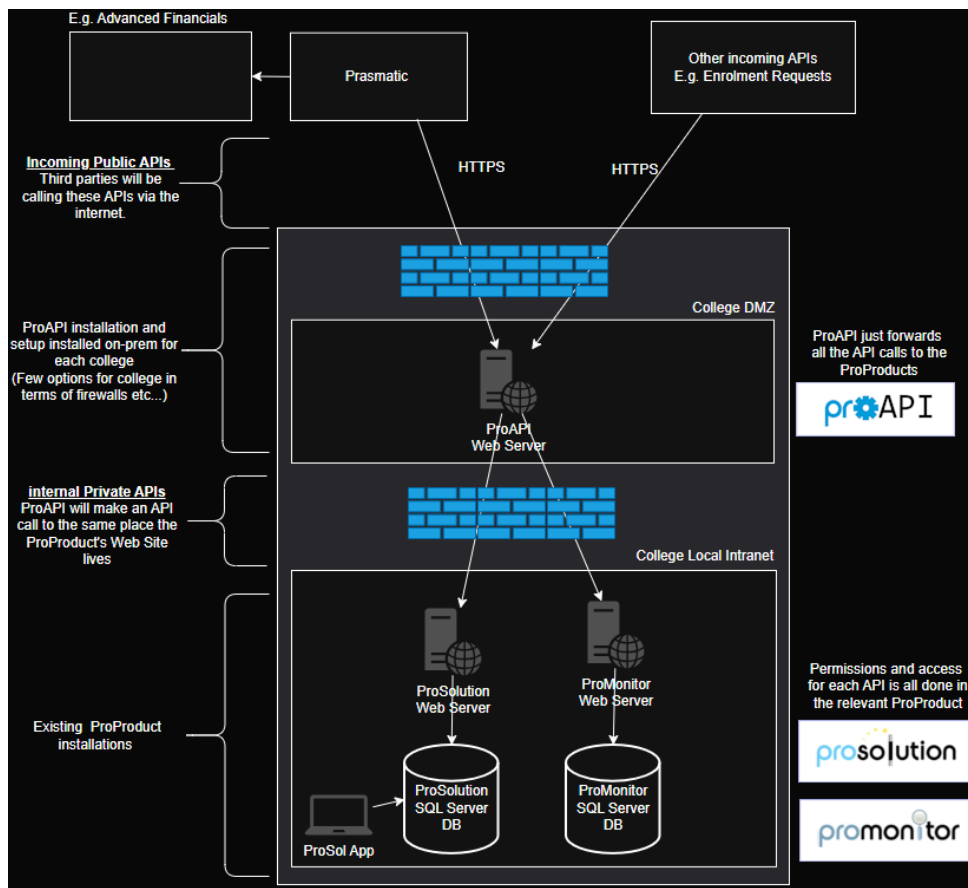
The following version of ProAPI needs to be installed:

- ProAPI version 25.2.0 or later

2.2. ProAPI Setup

2.2.1. General Information

ProAPI needs to be installed in IIS (Internal Information Server). This IIS installation will need to be in a place that will allow ProAPI to make further API calls to the existing ProSolution internal web application which will be on a separate IIS server.

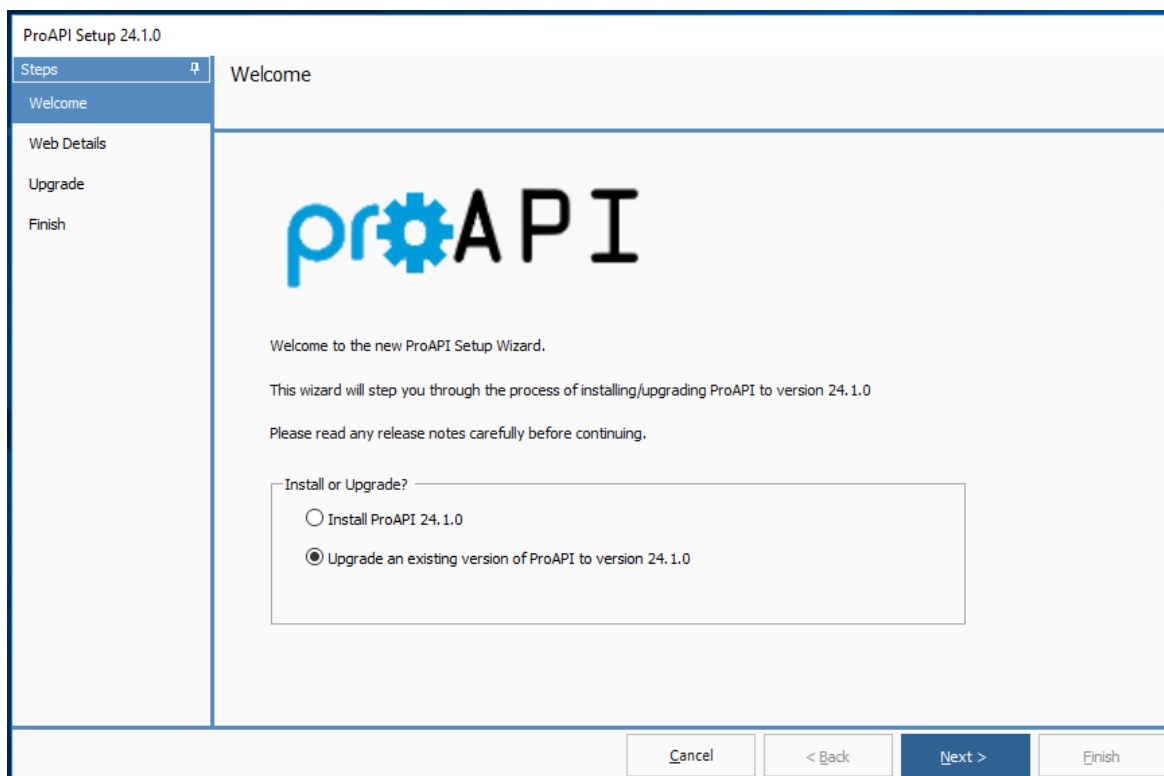


The diagram above shows the recommended setup and use of firewalls so that, although incoming API calls can come to ProAPI, no external access will be given to the ProSolution internal web site.

2.2.2. ProAPI Installation

On installation of ProAPI, the setup wizard guides the user through the steps.

- On the first step of the installation wizard, the user should select to install ProAPI. On subsequent releases of ProAPI the upgrade option should be selected.



- On the second step of the setup wizard enter the details of the location where ProAPI will be hosted. The ProAPI folder **will not** be created automatically when installed so the user must create this whilst installing to ensure existing files in other folders are not overwritten.

- After entering the details, the user should click on Next and the installation/upgrade will start.
- Once completed the user should click on Finish.

2.2.3 ProAPI Settings

Once installed, a single config file requires editing in ProAPI to enable ProAPI to connect to MIS (ProSolution).

The config file can be found in the root folder of the ProAPI installation. The config file is named **"AppSettings.ProSuite.config"**.

ProAPI is designed for future use with other Pro products. The settings in the config file need to be edited for the appropriate product.

- Under the ProSolution node, edit the highlighted line to include the API address URL of your instance of ProSolution Web.

```
<ProSuiteSettings CORSOrigins="*">
```

```
<ProSolution APIAddress="https://yourservername/ProSolution/" />
</ProSuiteSettings>
```

If for example <https://yourservername/ProSolution/Pages/Home/Home.aspx> is your home page URL then the address to add to this config would be <https://yourservername/ProSolution/>.

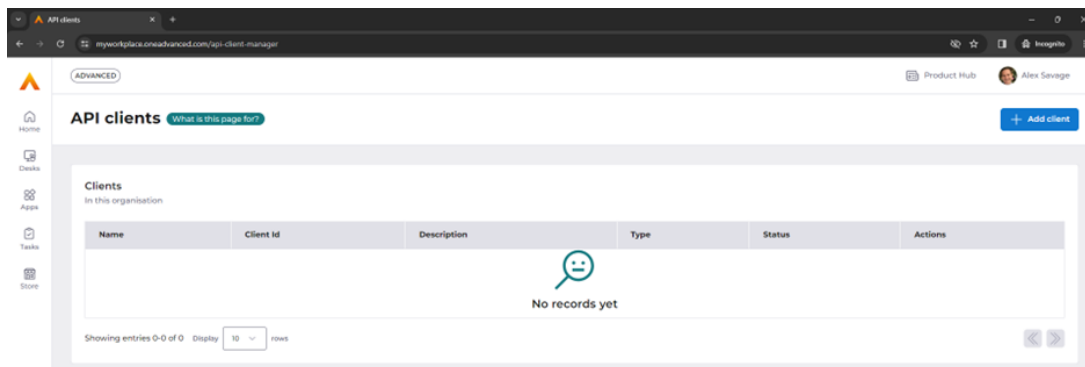
2.2.3 ProAPI Credentials

Once the config file has been updated, the API credentials need to be set up and accessed to enable connection.

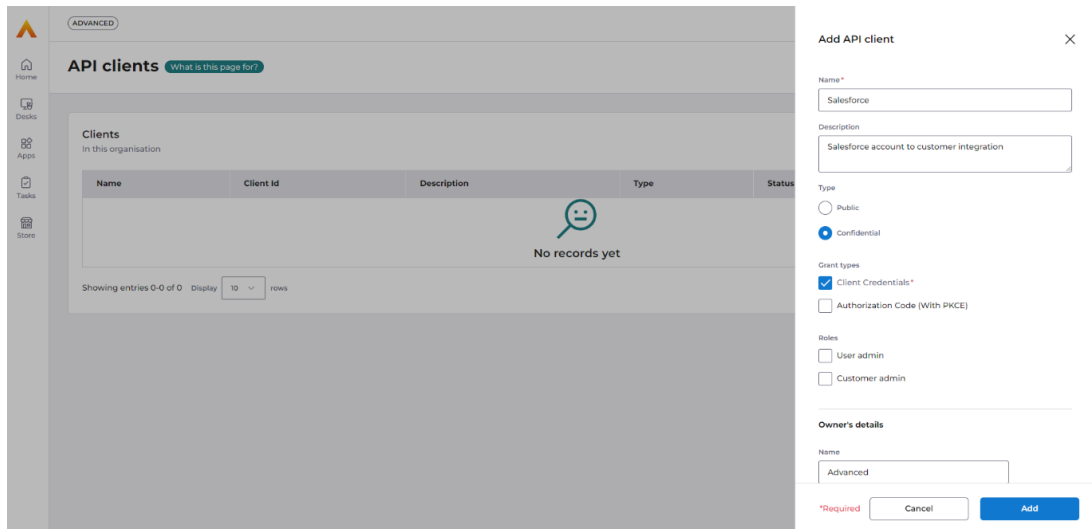
These credentials will be the same credentials used for any integrations where ProAPI is utilised.

To obtain the credentials the following steps should be taken:

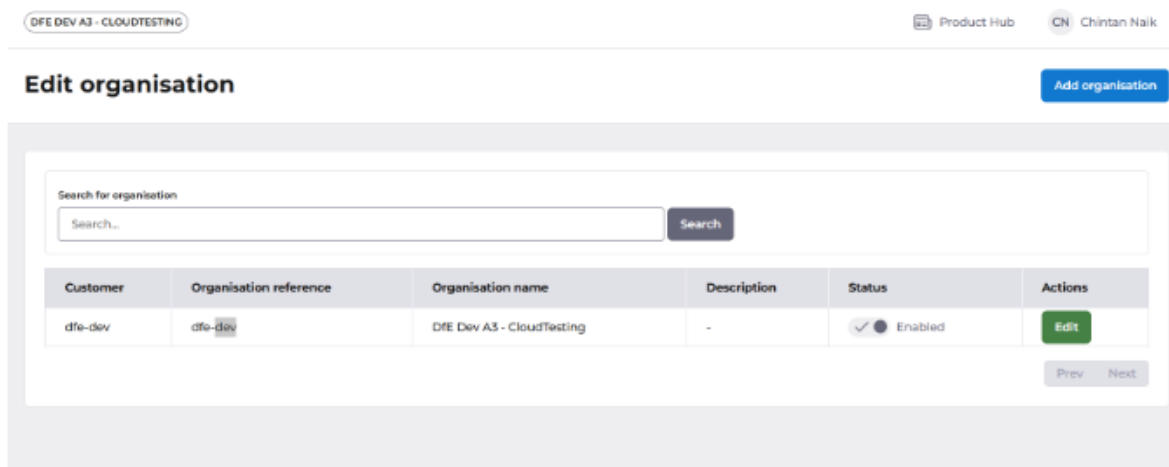
- Log into MyWorkplace with the admin credentials that would have been provided to you via the URL: <https://MyWorkplace.Oneadvanced.com>
- Navigate to **Apps** → **Integrations** → **API Clients**
- Click on the **+ Add Client** button



- Complete the following fields:
 - **Name**
 - **Type** (select Confidential)
 - **Grant types** (Client Credentials)
 - **Owner email** (Any user from the associated organisation (e.g., a college admin))
- Click **Add**



- Save the **Client Secret** somewhere safe as it will not be possible to retrieve it later. This is as important as a password so should be handled with the same level of security.
- Copy the **Client Id**
- Navigate to **Apps** → **System Settings** → **Organisation**
- A list of Organisations will be displayed

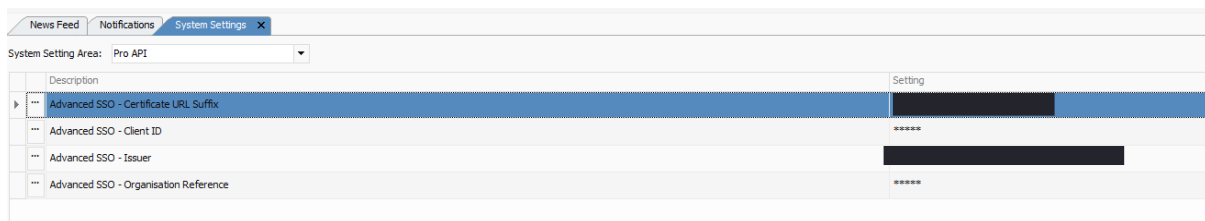


- Create a new organisation if one has not yet been created.
- Copy the generated **Organisation reference**

2.2.4 ProAPI System Settings

ProSolution now contains new system settings to store the ProAPI credentials.

The system settings can be found under Maintenance > System > System Settings in a new system setting area of Pro API.



Description	Setting
Advanced SSO - Certificate URL Suffix	[Redacted]
Advanced SSO - Client ID	*****
Advanced SSO - Issuer	[Redacted]
Advanced SSO - Organisation Reference	*****

- Edit the system setting **Advanced SSO – Certificate URL Suffix**. This is a fixed value and should be:
/protocol/openid-connect/certs
- Edit the system setting **Advanced SSO – Client ID**. This should be the Client ID copied from MyWorkplace in section 2.2.3 of this user guide.
- Edit the system setting Advanced SSO – Issuer. This is a fixed value and should be:
For Staging: <https://dev.identity.oneadvanced.io/auth/realms/>
For Production: <https://identity.oneadvanced.com/auth/realms/>
- Edit the system setting Advanced SSO – Organisation Reference. This should be the Organisation reference copied from MyWorkplace in section 2.23 of this user guide.

6. Document Control

Version History

Date	Version	Issued by	Changes
30/04/2026	1	Laura Coles	
18/05/2026	2	Laura Coles	Added Appendix for ProAPI Authentication failure

Document Review History

Version	Name	Title/Organisation

Document Approval

Date	Version	Name	Title/Organisation	Approval record

Document Hierarchy

Parent Document	Name	Location
Child Document(s)	Name	Location

Appendix

ProAPI Authentication (LDAP) fails with 401 Unauthorized error

When ProSolution Web is configured with Windows Authentication (LDAP / Active Directory):

- Browser access works 
- ProAPI → ProSolution API calls fail with 401 Unauthorized 

This occurs due to authentication delegation (double-hop) limitations.

Resolution

Create a secondary instance of ProSolution Web configured with:

- Anonymous Authentication
- Forms Authentication

This instance will be used only for ProAPI communication

1. Copy Existing ProSolution Website

Locate your current ProSolution folder, for example:

C:\Advanced\ProSolution

Create a copy:

C:\Advanced\ProSolution_API

2. Create a new Application in IIS

- Open IIS Manager
- Right-click on the Default Website
- Select **Add Application**

Ideally the secondary website should be hosted in local network and accessible to ProAPI internally only.

- Configure:
 - **Alias:** api (or ProSolution_API)
 - **Physical Path:** C:\Advanced\ProSolution_API

3. Configure Authentication

Navigate to:

IIS > New Application > Authentication

Set:

- Anonymous Authentication > Enabled
- Forms Authentication > Enabled
- Windows Authentication > Disabled

4. Verify Authentication Configuration (IIS vs web.config)

In the copied application folder, check the web.config file for authentication settings:

```
<system.web>

<authentication mode="Forms" />

</system.web>
```

If there is any mismatch, update the web.config to enable Forms authentication, as shown above.

5. Update ProAPI Configuration

Navigate to the ProAPI installation folder

Locate and open the file: **AppSettings.ProSuite.config**

Find and update following configuration entry to point to the newly created application:

```
<ProSolution APIAddress="https://mysite.com/ProSolution_API/" />
```

6. Validate End-to-End

ProAPI → New Application → Success 

7. Deployment Consideration:

This is a duplicated application. Any updates must be applied to:

- Main ProSolution site
- API application copy

8. Final Outcome

- End users > Main ProSolution (Windows Authentication)
- ProAPI > Secondary application (Forms)

Both function independently without authentication conflicts.



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