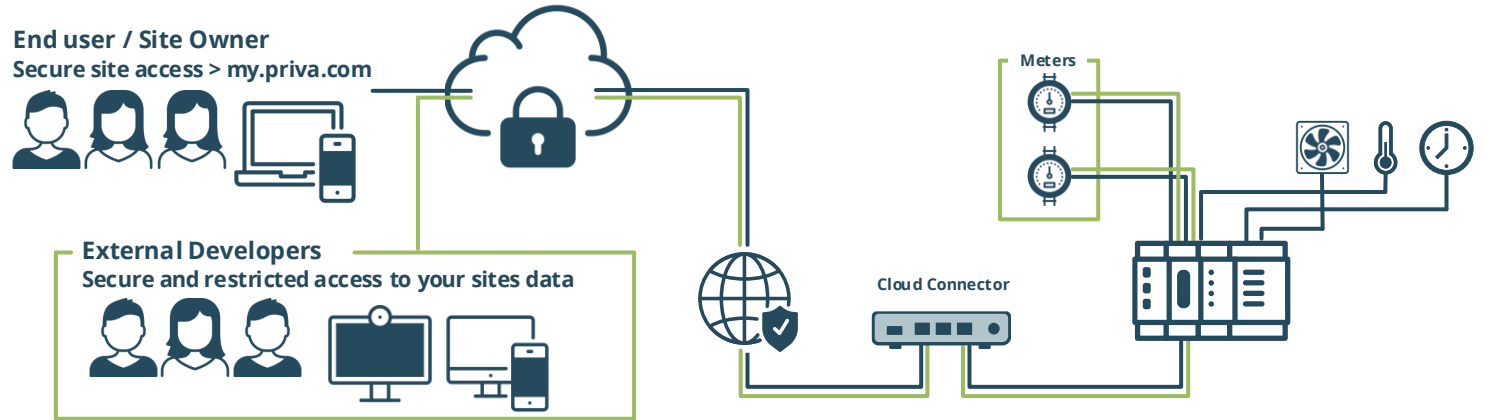# Priva API's Overview

Priva offers two API's (Application Programming Interface) that enable users to access and change controller data across the internet. This is carried out by the applications using the standard program HTTP API call with a JSON payload. Further details can be found at **https://apiportal.priva.com/**.

Priva API's are protected by Priva's OpenID Connect and OAuth 2 compliant Identity & Access Management services. This means that every API call that is made, will have a JSON Web Token as Bearer in the Authorization header of the HTTP request. The token control is in the power of the end user, via registry of the applications in Priva's Access Control App. This app is only available to users via their my.priva.com account.

End user / Site Owner
Secure site access > my.priva.com

Meters

Cloud Connector

External Developers
Secure and restricted access to your sites data

The **Historical Data API** gives access to the historical variables that are saved to the Priva Cloud. Any analogue values connected to the Priva controllers can be saved to the cloud, such as temperature, humidity, air quality, hours run. Meter values that are directly connected to the Priva controllers are also made available, including both pulse count metering or via communication protocols such as Modbus, MBus.

The **Realtime API** allows you to change values and setpoints, including time programs, alarm levels and any other variables from your project. The Realtime API Supports COV, so any value changes are updated via the Realtime API and customer event hub.

my.priva.com

Access Control

The Client secret and ID is generated or removed by the End User in Access Control. This information is then passed on to the developers, who can use these details to access the cloud.

Client secret #######
ID Generated #######

Priva Services & Apps

Er Op Hc

Priva Applications

Operator   Priva Alarms   Builduim

Priva Services

Cloud Variables

All available points can be queried

External Developer

Historical Data API   Real Time API

Client secret #######
ID Generated #######

External Developers are given the client ID and secret, that they must have to access any information. This is created by the end user and can be revoked at any time.

Client secret #######
ID Generated #######

Customer Event Hub.   Customer Applications

Customer Applications