

## The smartly simple connection to everything!

The macmon REST API connects your existing and future software solutions to allow you to fully utilize macmon NAC as the central force in your network. Whether you're connecting identity stores, infrastructure components, asset management or security solutions, the macmon API offers unlimited access to macmon NAC's smart network access control and its comprehensive network overview.

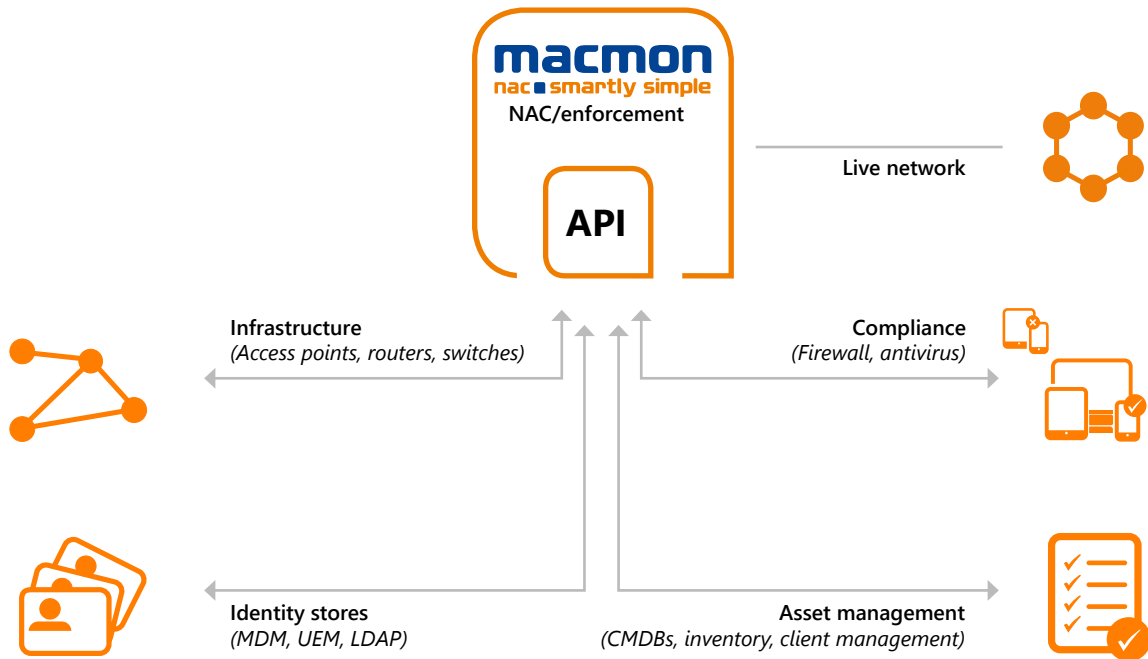
The REST API lets you do big things with just a few lines of code. The key requirement is that the solution you want to connect must be able to submit HTTPS requests to macmon NAC.

The macmon API is based on REST technology in accordance with the industry standard. JSON containers are

transmitted to an API class, which then either changes configurations in the system or outputs information. This allows data to be read, processed and returned to macmon NAC.

### What is the macmon API?

API (Application Programming Interface)



### What options does the macmon API offer?

The macmon API is accessed through a user account and is subject to role-based authorization management. You can give expanded access to certain users or create special API users for each connected application, which allows you to keep full track of all operations when

auditing changes. You can also differentiate between read and write access.

The available resources include:

- Endpoints
- Network devices
- Settings
- Manual links
- Reports
- Scalability
- DNS records
- Credentials
- And much more

All of these details can be read out and used to enrich other systems. Data from other systems can also be fed into macmon NAC in order to define specifications and reactions.

## Using the macmon API

The API allows administrators to query and control macmon NAC fully automatically. They can maintain endpoints and network devices and have access to live monitoring data. Security messages can be transmitted to macmon NAC, which enables dynamic monitoring and convenient control of the endpoints in the network.

## Bidirectional exchange

macmon NAC can also make an API call to another system based on network activity that you define. For example, if an unknown endpoint is detected in the network, macmon NAC can simultaneously send a push message to notify a log server. Information can flow in both directions, which allows macmon NAC to actively engage with all existing systems.

## Asset management systems mean less work

Are you using an asset management system to maintain your existing endpoints? The macmon API can be synchronized with your existing database. **Data does not have to be entered twice because the macmon API keeps it constantly in sync.**

## Strict monitoring of security policies

Deep packet inspection (DPI), firewalls and intrusion prevention systems (IPS) detect abnormal network traffic on a defined endpoint. macmon NAC is notified and automatically isolates the affected endpoint by moving it to a quarantine network. Once the endpoint is considered "cured," it regains its original network access and can communicate normally again. This procedure can be used for all security technologies that you use including virus scanners, behavioral analysis systems, firewalls, security incident and event management solutions, up to APT solutions.

## Setting the tone

In addition to waiting passively for information and commands and then reacting, macmon NAC is also the first system in the network to know about various incidents, allowing it to respond to them pro-actively. For example, information about uniquely identified endpoints can be actively transmitted to other systems, such as firewalls, in order to adapt their set of rules and allow or forbid communication channels.

## REST / HTTPS

For all these steps, macmon NAC supports REST technology for both incoming and outgoing information. It also offers further simplified HTTPS commands for various application scenarios to enable smart and flexible coupling to any other system.

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