



## Machine to Machine Communication

<http://4i.endian.com>

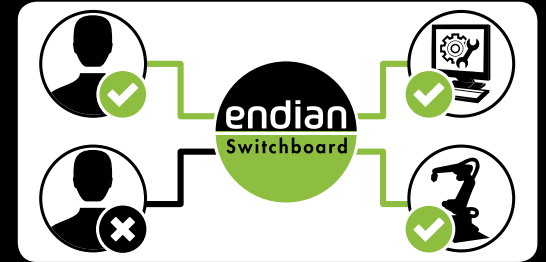


## GRANULAR and SECURE ACCESS

The **support team** needs remote access to the machines in order to maintain them. **End customers** have to consult data elaborated by the same machines from their mobile devices. And eventually, **performance analysis tools** have to be connected to the machines for monitoring purposes. **Endian Switchboard is the right solution to provide you secure rule and role based access to the machines.**

## SECURITY THROUGH OBSCURITY? NO, KEEP IT SIMPLE!

Thanks to **customized authorizations**, you can always deny access to former employees, with no worries that anyone can take along ID or passwords. In addition to that, a centre - periphery log exchange **lets you know what is going on on the network.**



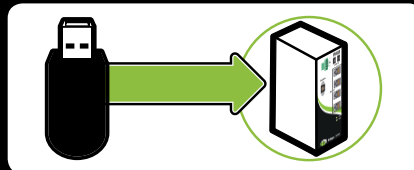
## Integrating with existing structures

Your tech team does not have deepened IT skills and is afraid to deal with a new tool? No problem, thanks to the integrated **API** you can **always access all Switchboard functionalities from your support portal.**

## SALESTIPS



## USB PROVISIONING



*We got a lot of branch offices. Should we install the gateways to connect to the Switchboard one by one?*

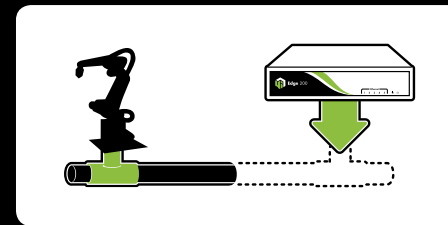
Absolutely not! By using Endian Switchboard the settings **provisioning** is easily made via USB key. The chosen parameters can be spread from the centre to the gateways with a click.

## EASY DROP IN

No problem if your company already owns endpoints from other vendors.

**Through the Switchboard you can easily manage any OpenVPN based device.**

Save time and money by integrating Endian Switchboard with heterogeneous systems!



## ...and what's more:

- **Dramatic savings** in tech support expense. With a remote and secure monitoring, management and maintenance system it is possible to decrease business trip costs **by up to 90%**
- **Endian solutions are Open Source based:** this means no hidden backdoors. Your critical data are always kept safe.



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## Gateway Provisioning Centralised Setup

Can I configure all remote gateways from a single location? Yes, by using Endian provisioning!


### How to do it?

- Open *Switchboard* > *Devices*.
- Click on *Add gateway*.
- In the *Provisioning* panel complete the form with your gateway's data.
- Click on *Add*.

## Gateway Provisioning Remote Installation

Once the configuration has been finished, applying it to the remote gateway is just a few steps away:

### How to do it?

- Open *Switchboard* > *Devices*.
- Download the configuration on a USB stick by clicking on this icon .
- Insert the USB stick on the remote gateway before its first boot.
- Boot the gateway - it will now be automatically configured and registered on Endian Network

## Applications

Applications are used to remotely connect to an endpoint. This can be achieved by defining either a URL that is opened in your browser (e.g. the endpoint's address) or a locally installed program.

### RDP Configuration Example

- Open *Switchboard* > *Applications*.
- Click on *Add application*.
- Add a name.
- Choose Program as this application's Type.
- Insert %SYSTEM\_ROOT%\Windows32\mstsc.exe as Command path.
- Insert /v:%DEVICE\_IP% as Command arguments.

### Command path Placeholders

- **%PROGRAM\_PATH%**: The default program installation directory (e.g. C:\Program Files\).
- **%SYSTEM\_DRIVE%**: Windows system drive (e.g. C:\).
- **%SYSTEM\_ROOT%**: Windows installation directory (e.g. C:\Windows\).
- **%HOME\_PATH%**: The user's home path (e.g. C:\Documents and Settings\

### Command arguments Placeholders

- **%DEVICE\_IP%**: The IP address to connect to the device.
- **%PHYSICAL\_IP%**: The device's real IP address.
- **%SERVER\_EXTERNAL\_HOST%**: The Switchboard's external address (IP address or fully qualified domain name).
- **%SERVER\_INTERNAL\_IP%**: The Switchboard's internal IP address.

## Application Profiles

You want to allow only certain Applications to be carried out on an endpoint. That's easy: Group one or more of them in an Application Profile and assign that profile to the desired endpoint!

### How to do it?

- Open *Switchboard* > *Applications* > *Profiles*.
- Click on *Add new Application Profile*.
- Insert a name, select the applications for the profile, and click on *Add*.
- Go to the endpoints' list (*Switchboard* > *Devices* > [gateway name] > *Endpoints*).
- Click in the endpoint's *Application profile* field and select the profile from the drop-down menu.

## Exclusive access

The Switchboard's managed infrastructure can be set up to grant exclusive access to each endpoint or gateway. To activate this option:

- Open *Switchboard* > *Settings*.
- From the drop-down menu *Exclusive access*, select:
  - 1. On endpoint level:** Every endpoint can be accessed by one user at a time.
  - 2. On gateway level:** Only one user at a time can access a gateway and all its connected endpoints.
  - 3. Disabled:** All users can connect to gateways and endpoints.

# TECHTIPS

