

MicroWavePlugin Manual

Introduction

MicroWavePlugin is a software that receives data from a Micros POS from Oracle. This data will then be pushed in to Wisenet Wave Video management system from Hanwha Techwin.

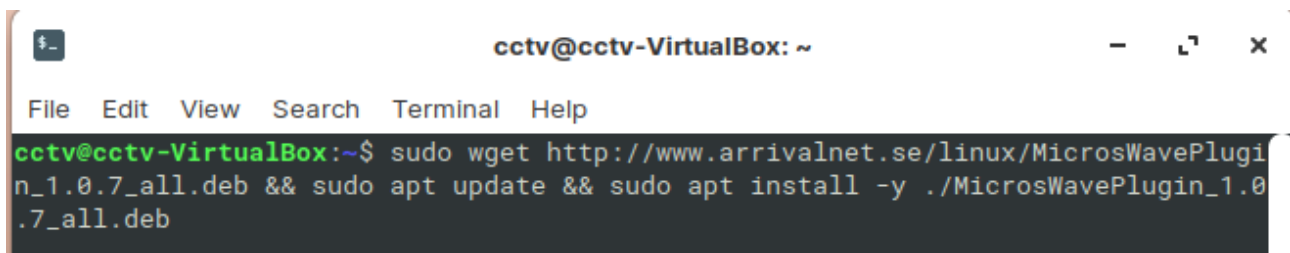
This software is compatible with Debian linux and Microsoft Windows. Recommended version is Ubuntu 18.04 LTS or Windows 10. You also need to have Wisenet Wave from Hanwha Techwin installed on the same PC as you intend to run this software on. Before installing you will also need to make sure you have a working internet connection as several files needs to be downloaded.

The software is made of two parts. One configuration tool and one service that runs in the background.

Installation

To install the application and all of its dependencies open a terminal and run the following command:

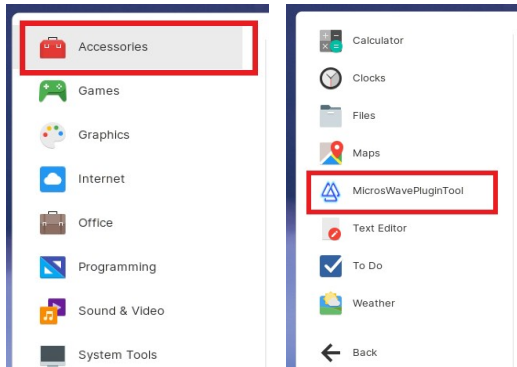
```
sudo wget http://www.arrivalnet.se/linux/MicroWavePlugin\_1.0.7\_all.deb && sudo apt update && sudo apt install -y ./MicroWavePlugin_1.0.7_all.deb
```

A screenshot of a terminal window titled 'cctv@cctv-VirtualBox: ~'. The terminal shows the command: `sudo wget http://www.arrivalnet.se/linux/MicroWavePlugin_1.0.7_all.deb && sudo apt update && sudo apt install -y ./MicroWavePlugin_1.0.7_all.deb`. The terminal output is currently empty, indicating the command has just been entered or is still running. The terminal window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'.

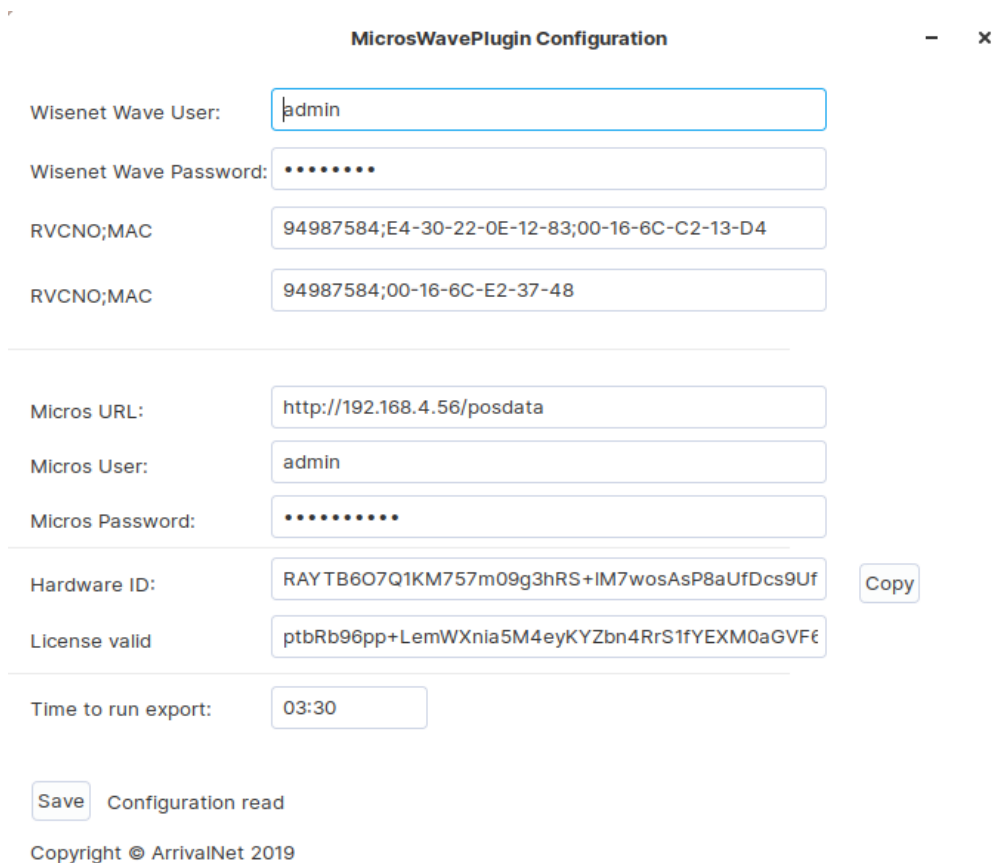
Depending on your installation this can take a while so please be patient and let it run until finished.

Configuration

When installation is done the service is started automatically and the configuration tool can be found under the Accessories menu:



Configuration tool looks like this:



Fill in the Wisenet Wave login details to the Wave server installed on the same PC. The user need to have user rights to create bookmarks.

In the RVCNO;MAC textboxes you will need to fill in the department number from

Micros POS and the MAC address of the cameras divided by semi-colon sign ; you want to associate with the department, depending on your license you have the possibility to use two departments on the same Wave server.

The department number can be found in the Micros POS System and camera MAC can be found in the Wisenet Wave VMS System.

Micros URL is where you fill in the URL to the Micros POS system where you can download a file with the last 24 hours of transactions in JSON format (see JSON format later in this manual). If needed you can also give username and password to get the data.

Time to run export is the time of the day the export will be done from Micros and sent to Wisenet Wave as bookmarks, time should have the format HH:MM (For example 03:30)

Licensing

In the configuration tool you can also find the Hardware ID needed to get a license. You can order the license from a authorized reseller found on www.arrivalnet.se Send the hardware ID with the order, when it is processed you will get a license code and you need to paste that into the License textbox and press Save. If the license is valid you will get a message next to the License textbox.

Operation

After configuration is done the software will get transactions from the Micros POS system at 03:30AM, or the time you set in the configuration, every day and create a bookmark in Wisenet Wave with the following information:

Headline is created from Receipt number and name

Description is created from Department name, Computer name, receipt total sum

Additional data as tag has the information if the receipt has no end date.

In Wisenet Wave you can now see bookmarks and search for example receipt number or any other information added to the bookmark.

Links

Here are some useful links to the manufacturers of the software mentioned in this manual

www.arrivalnet.se

www.oracle.com/industries/food-beverage/

www.wavevms.com

Technical information

Example of JSON data with three receipts exported from the Micros system:

```
[{"rvc_no":"5019010","rvc_name":"AMS Point  
Arr.,"computername":"NOOSLKS060","chk_num":3437,"chk_open_date_time":"20191  
209T173753","chk_clsd_date_time":"20191209T173800","chk_name":"John  
","chk_open":"F","sub_ttl":32,"amt_due_ttl":0},{"rvc_no":"5019011","rvc_name":"AMS  
Point  
Arr.,"computername":"NOOSLKS060","chk_num":3438,"chk_open_date_time":"20191  
209T173944","chk_clsd_date_time":"20191209T174018","chk_name":"Adam  
","chk_open":"F","sub_ttl":74,"amt_due_ttl":0},{"rvc_no":"5019010","rvc_name":"AMS  
Point  
Arr.,"computername":"NOOSLKS060","chk_num":3439,"chk_open_date_time":"20191  
209T174030","chk_clsd_date_time":"20191209T174037","chk_name":"John  
","chk_open":"F","sub_ttl":69,"amt_due_ttl":0}]
```

