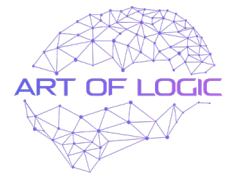
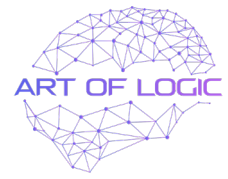


ANT MICRO SERVER QUICK START GUIDE



ANT MICRO SERVER:

Package Includes:	<ul style="list-style-type: none">• Power Supply• Mounting Plate• Ant Micro Server Unit
Requirements for Initial Set-up:	<ul style="list-style-type: none">• Ethernet connection with internet• Monitor with HDMI connection & cable (if setting up using OS)• Keyboard and Mouse (if setting up using OS)• A computer running NX Witness client
Note:	<p>After the initial setup of the unit, only an ethernet cable to the local network with a internet connectivity*</p> <p>*Internet connectivity required for Object Detection license validation and for NX Witness Cloud</p> <p>*The AOL ANT unit is not to be used in remote CCTV “spot” monitor scenarios, only as a NX headless server</p>



CONTENTS PAGE:

CONTENT:	ITEM:
Initial Set-up of Ant Micro Server	
Overview of Desktop Environment	
Login Screen (<i>set up via attached monitor</i>)	<ul style="list-style-type: none">• <i>Change OS Password</i>
Change Time Zone	
Admin Webpage (<i>set up via webpage</i>)	<ul style="list-style-type: none">• <i>Set Static IP Address</i>• <i>Reboot Unit</i>
Set-up Nx Witness Server (via Nx Witness Client on a PC/Laptop)	<ul style="list-style-type: none">• <i>Set Password</i>• <i>Set Name</i>• <i>Attach Nx Licence Key</i>
Set-up AOL Object Tracking Detection	<ul style="list-style-type: none">• <i>Main Plugin Settings</i>• <i>Attach AOL Plugin settings overview</i>• <i>Optimizing settings</i>• <i>Selectable Objects</i>
Camera Plugin Settings	<ul style="list-style-type: none">• <i>Camera Plugin Overview and Setup</i>
Notification Setup Example	<ul style="list-style-type: none">• <i>Objects Tab</i>• <i>Notification Type</i>
Fine Tuning Settings	<ul style="list-style-type: none">• <i>Confidence Level</i>

INITIAL SET UP OF ANT MICRO SERVER – VIA LOCAL LAN OR VIA ATTACHED SCREEN

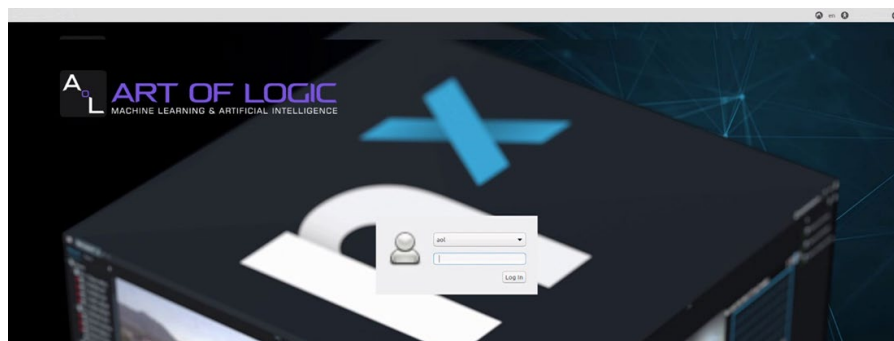
You can either set the ANT up via a web browser or by directly connecting a monitor, keyboard, and mouse to the unit, if you want to set it up via browser, find the section below titled “ADMIN WEBPAGE”.

You can use **NX Witness Client** to find the IP Address of the unit if you are connected to the same local network with DHCP server.

Type <https://add.ant.ip.address:9090> or follow the next section to continue with screen, keyboard, and mouse setup.

INITIAL SET UP OF ANT MICRO SERVER – LOGIN SCREEN

Log into OS



The default password is “aol”, this password will need to be changed to keep the system secure.

Steps 1 & 2 – enter “aol” as the password for the first two prompts

1. Enter the default password aol and press enter
2. Enter the default password aol and press enter once more

Steps 3 & 4 – enter your new password in for the last two prompts

3. Enter a new secure password and press enter
4. Enter a new secure password and press enter to confirm

You have now set a new password for the Operating System on the Art of Logic ANT.

Please keep reference of this password, it is a separate password to the NX Witness system and is required for working on the Operating System.

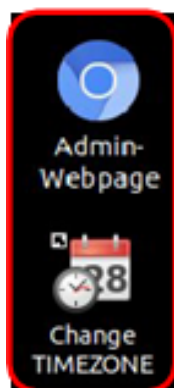
Overview of desktop Environment

MENU BAR

The top menu bar has a variety of functions:

- The Menu button provides access to all of the installed apps on the system
- Shortcuts to file explorer, terminal and the web browser
- Resource monitor to show the current use of the system resources
- Network to view and change network profiles
- Time, shows the current time and date it selected
- Power, to shut down and or reboot the system

In the middle of the Menu Bar you will find the current IP address of the system, this is updated at boot.



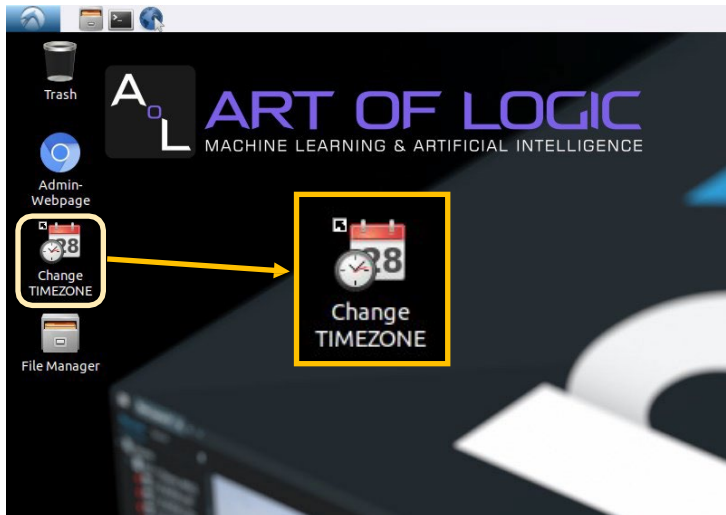
DESKTOP SHORTCUTS

The **Admin-Webpage** shortcut, this shortcut opens the admin webpage which is available on the local machine, the local network and by using the web proxied webpage on NX Witness.

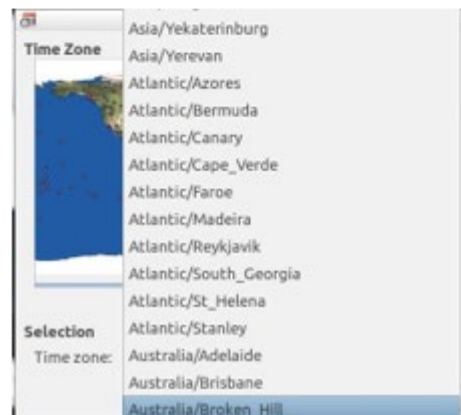
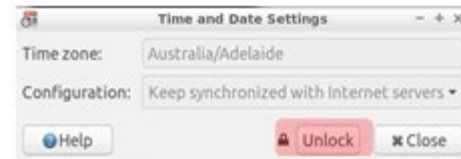
The admin webpage will allow you to change IP address, run system updates, check resource usage without needing to have the ANT connected to a display.

The Change TIMEZONE shortcut, this shortcut icon allows for an easy change of the local time zone which is important for NX Witness as it uses the system time as its VMS time.

CHANGE TIME ZONE



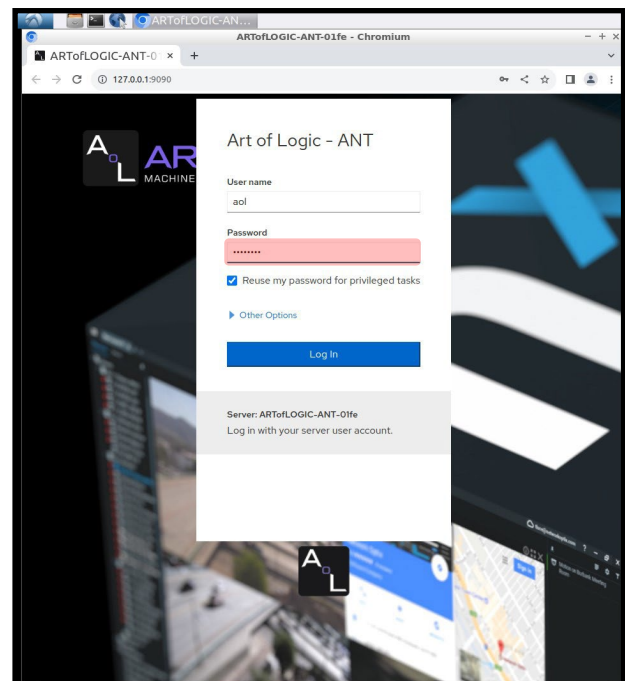
1. Open the desktop shortcut "Change TIMEZONE"
2. Unlock the setting then enter your password.
3. Click on the current time zone to open the time zone selection menu.
4. Click on time zone to open the list of available time-zones and select your time zone
5. You can now exit the time zone menu



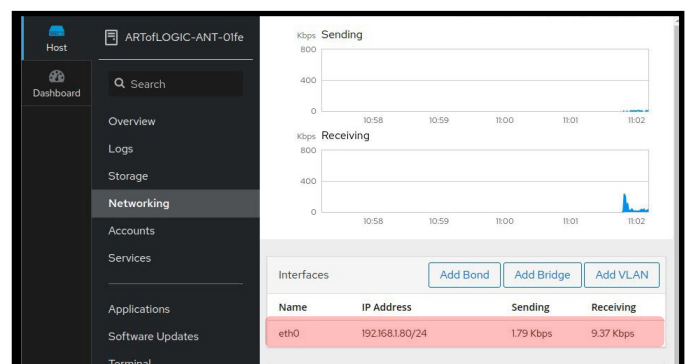
ADMIN WEBPAGE

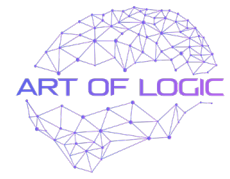
Set Static IP Address

1. Open the Admin-Webpage shortcut on the desktop if connecting via monitor keyboard and mouse. If connecting via webpage, it is accessible via the local LAN <https://ip-address:9090> - you can launch NX Witness Client on your PC and it will show you the IP Address of the unit.

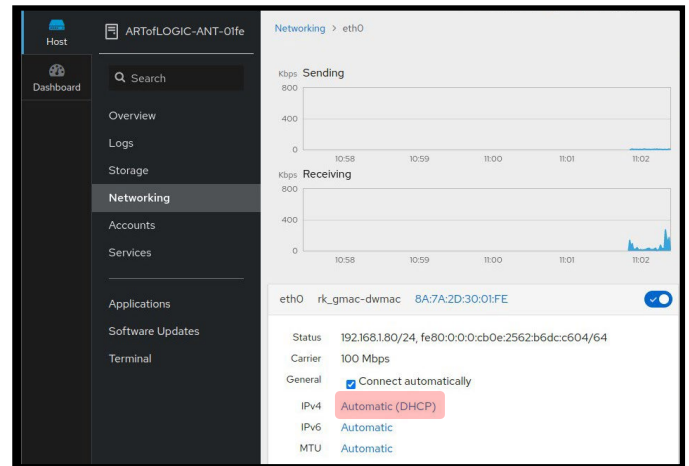


2. On the left side of the webpage, select "Networking" then in the right side of the webpage select "eth0"

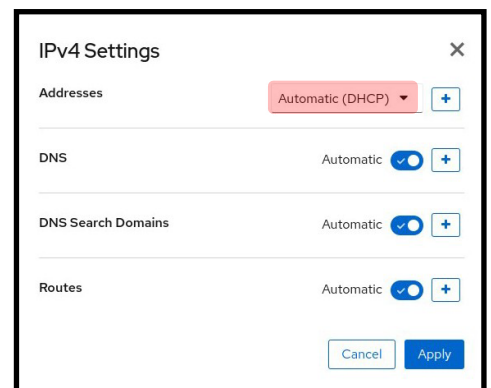


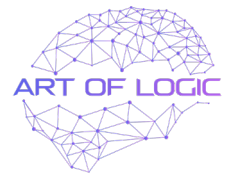


3. Select Automatic (DHCP)



4. Select the drop down menu with "Automatic (DHCP)" and choose "Manual"

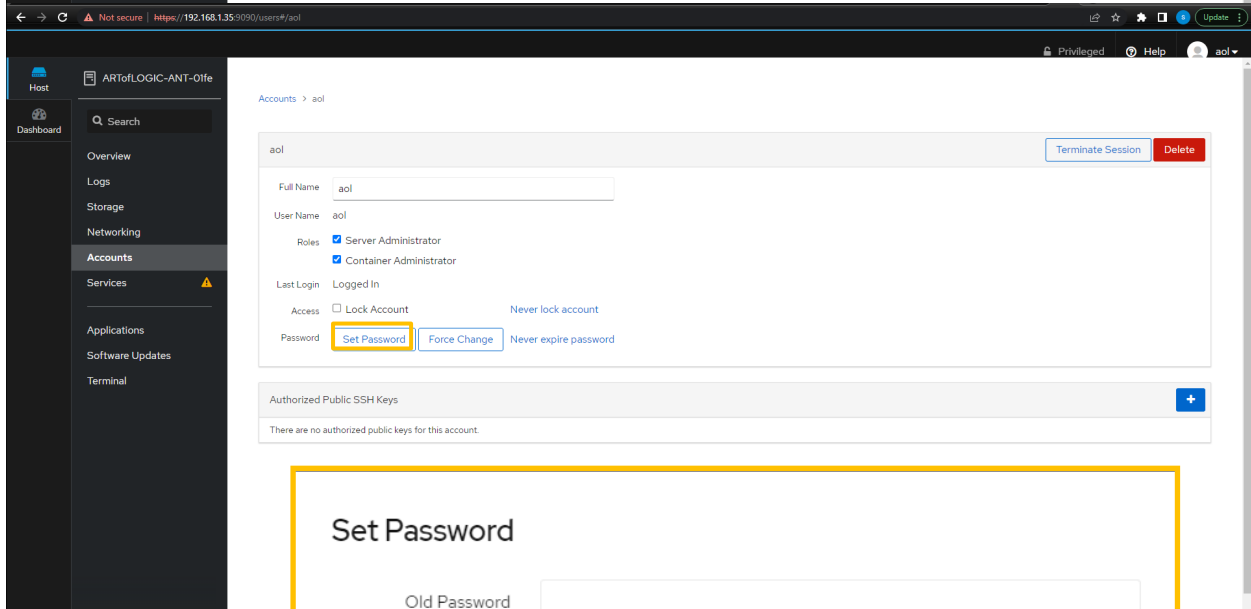
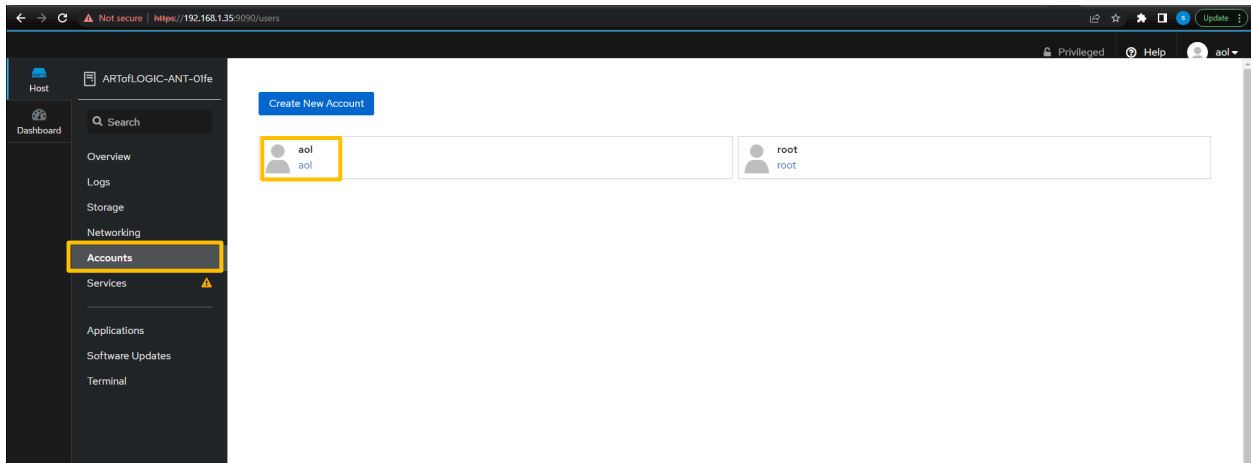
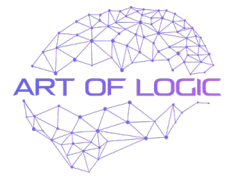




5. Fill in the required fields with the static IP details you want the ANT unit to retain. Once all configuration is done, choose apply and reboot the device for the changes to take effect.

The screenshot shows the 'IPv4 Settings' configuration window. It includes sections for 'Addresses', 'DNS', 'DNS Search Domains', and 'Routes'. The 'Addresses' section is set to 'Manual' and contains one entry with IP 192.168.1.80, subnet 24, and gateway 192.168.1.1. The 'DNS' section is set to 'Automatic' and contains three entries: 8.8.8.8, 1.1.1.1, and 192.168.1.1. The 'DNS Search Domains' and 'Routes' sections are also set to 'Automatic'. At the bottom, there are 'Cancel' and 'Apply' buttons.

Section	Mode	Value
Addresses	Manual	192.168.1.80 / 24, 192.168.1.1
DNS	Automatic	8.8.8.8, 1.1.1.1, 192.168.1.1
DNS Search Domains	Automatic	
Routes	Automatic	



Old password: enter "aol"

New password: enter a **strong password**

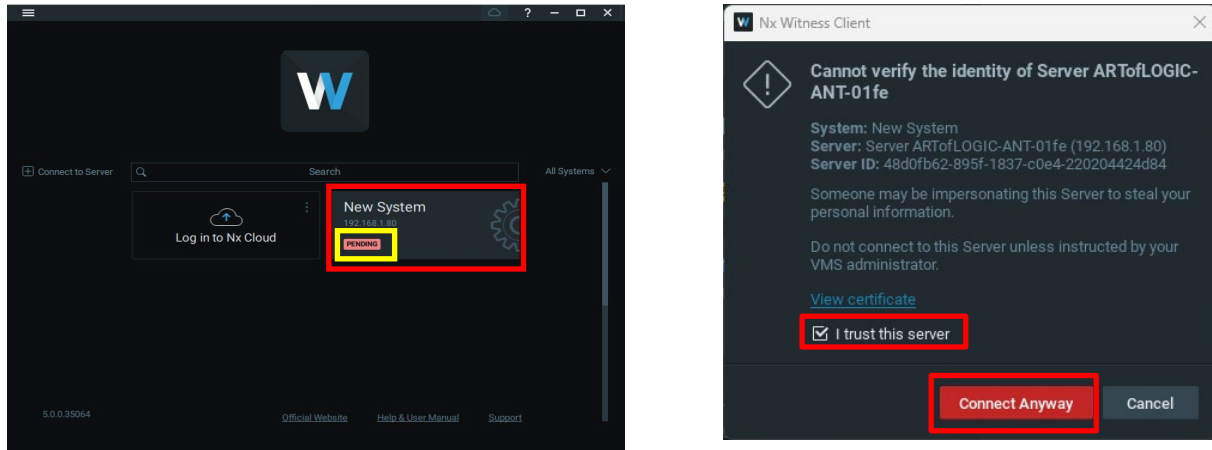
Confirm New password: re-enter **strong password**

Select "set" and your password is now changed

SETUP NX WITNESS SERVER

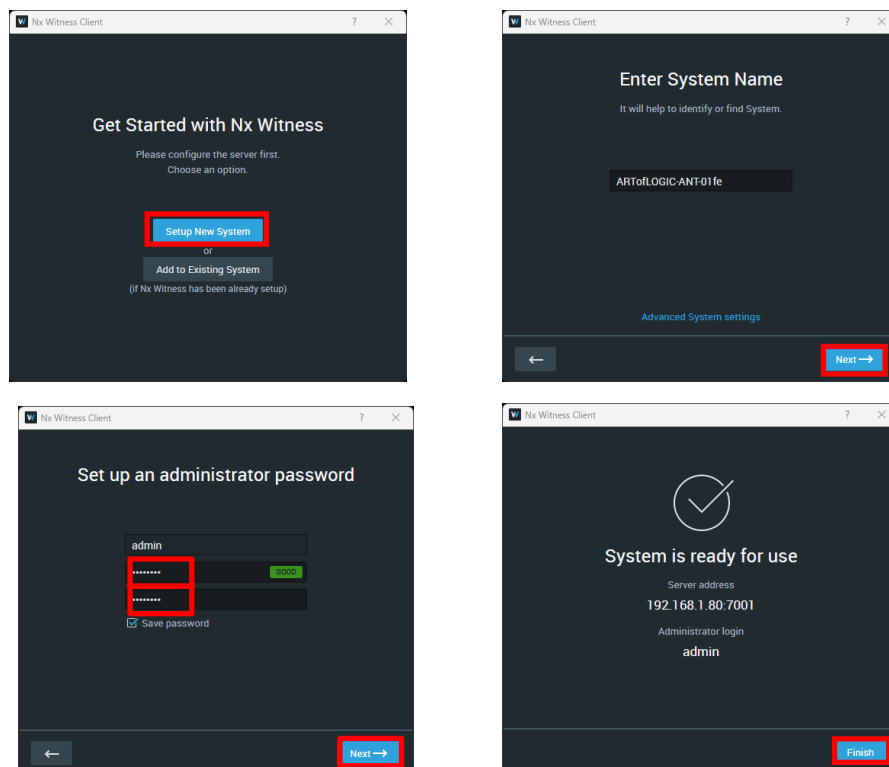
You will need to use a laptop or PC on the same local network as the ANT

Go to the following URL to download NX Witness Client— <https://nxvms.com/download>



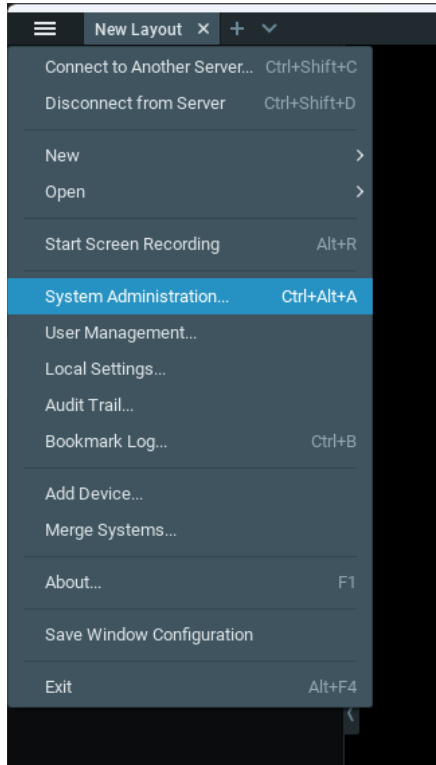
On your own PC/Laptop, download, install and open NX Witness Client.

- If your PC/Laptop is connected to the same local LAN as the ANT server, you will find a “New System” waiting to be claimed.
- Select the new system to start the configuration process.
- When this message shows, select the tick box “I trust this server” and “Connect Anyway”
- This is due to the Server using the local HTTPS certificate.

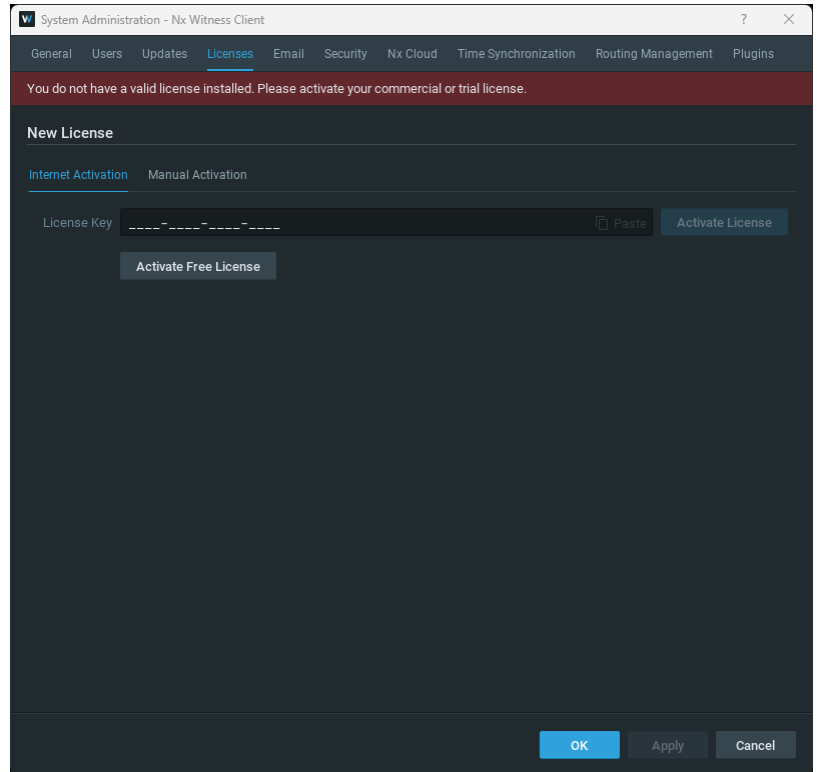


SETUP NX WITNESS SERVER

Attach Nx License Key



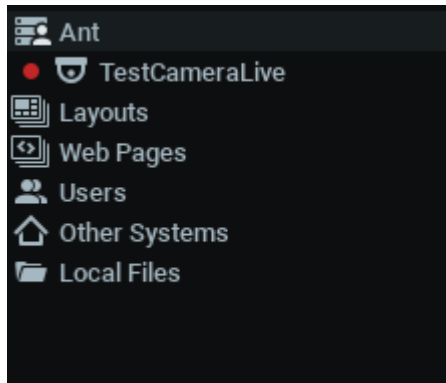
Enter the “System Administrator” menu.



Enter your license key and choose activate license.

ENABLE SERVER ON THE ANT

Find your cameras

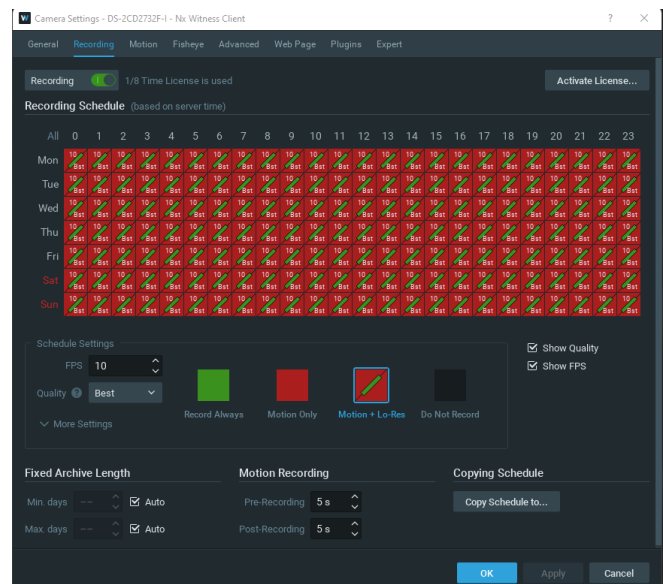


Select your Server name, select 'System Administration'

Enter your Nx licence keys for each channel

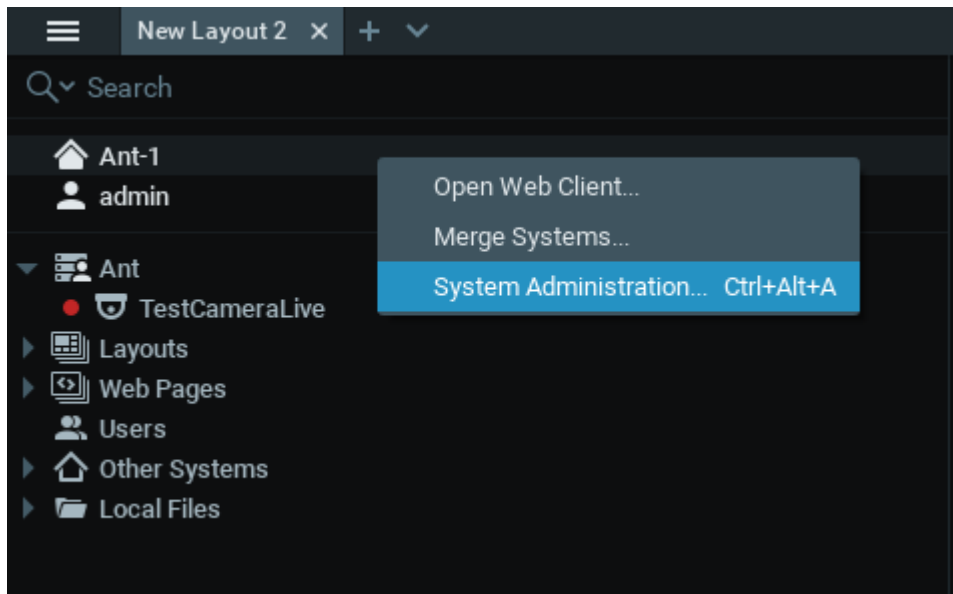
Configure recording as follows for best optimization (requires licenses to be added).

- Select a Camera from the available list, right click and select 'Camera Settings'
- Select 'Recording' and turn on recording
- Select the required schedule for recording (ie you can select all)
- Select 'Motion & Low Res'
- Select 'Apply' and 'OK'

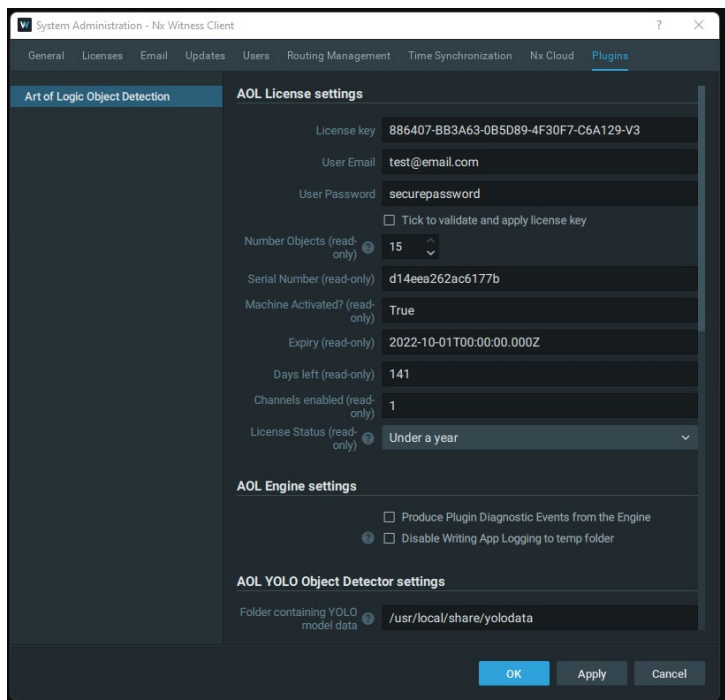


ENABLING ART OF LOGIC OBJECT RECOGNITION PLUG

Select your Server, right click and open 'System Administration'

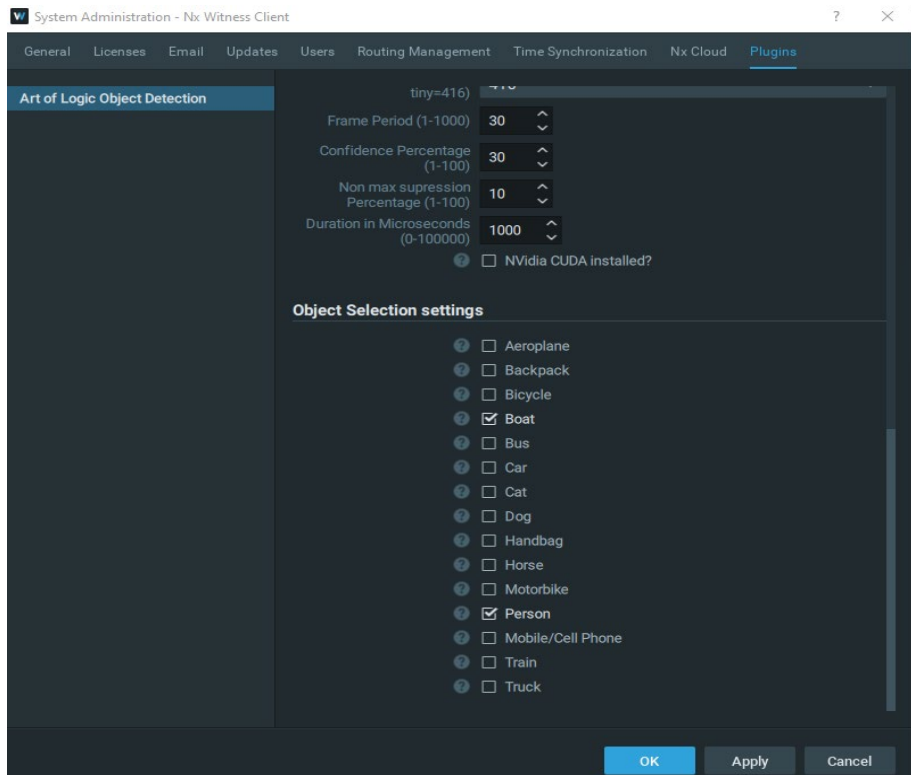
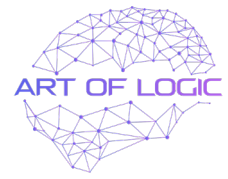


Select the 'Plugins' tab at top of panel



Enter your details as required (licence key, user email & password).

Make sure to tick to validate and apply license key then scroll down and select your objects.

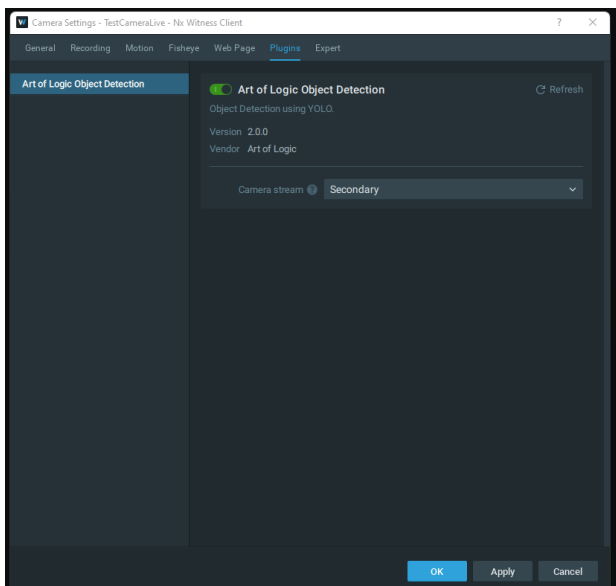


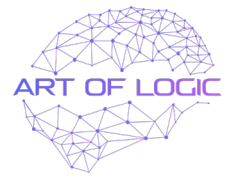
Then Click apply down the bottom.

Next Step access the camera settings of the camera that you will be adding the plugin onto (select camera, right click and select 'Camera Settings').

Go to the 'plugins' tab.

- Turn the switch on and for optimization set the Camera stream to Secondary.
- Click Apply.





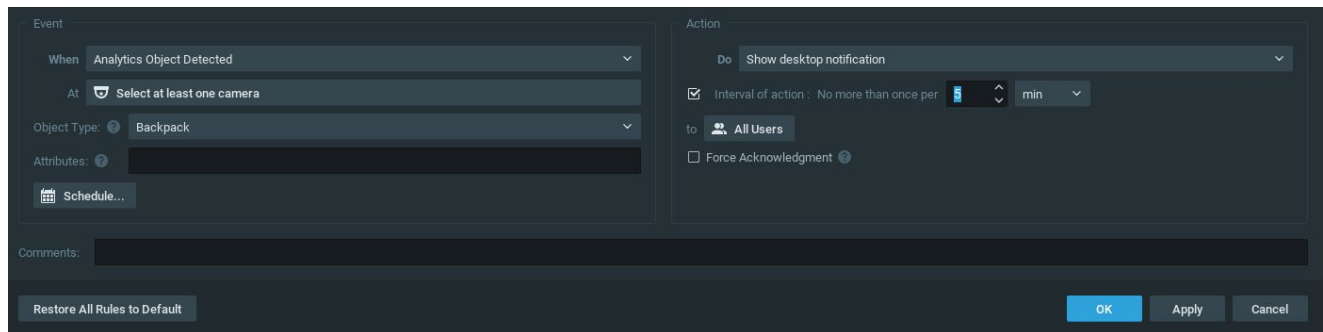
Troubleshooting

If your effects are not taking place check to see that your license has indeed been validated. If needed, restart the 'Art of Logic Object Detection' plug in (turn off, click apply, turn on, click apply)

The following fields will autofill appropriately if details are correct.

	<input type="checkbox"/>	Tick to validate and apply license key
Number Objects (read-only) ?	15	▼
Serial Number (read-only)	d14eea262ac6177b	
Machine Activated? (read-only)	True	
Expiry (read-only)	2022-10-01T00:00:00.000Z	
Days left (read-only)	140	
Channels enabled (read-only)	1	
License Status (read-only) ?	Under a year ▼	

CAMERA EVENT RULES



Camera event rules -

To enter the event rules section -Right click on any camera in the left pane on NX Witness client main screen and choose “event rules”

When— drop down menu, choose “Analytics Object Detected”

At— opens sub menu, choose which camera(s) these events will be coming from, eg cam1

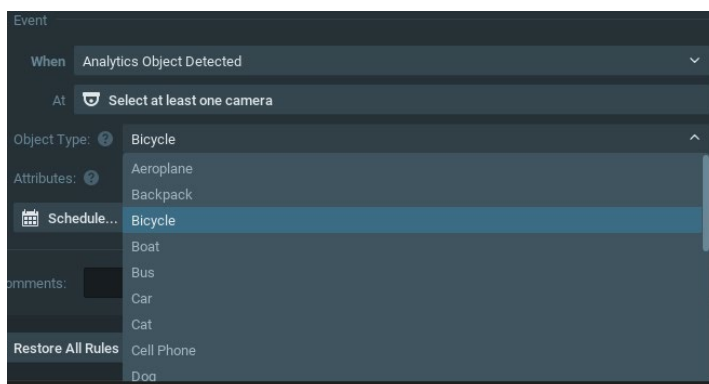
Type— drop down menu, choose the object that will trigger this event

For each object you will need to create a new rule Attributes— can be left blank

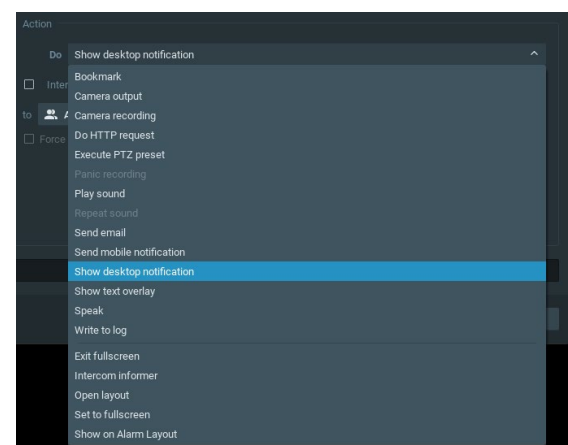
Schedule— when you want this event to be enabled. E.g. between 6am till 7pm

Action— drop down menu, when all conditions are met, eg, “Backpack detected on cam1 within specified schedule” the rule will then trigger your set action. The list of available actions are shown below. generally, a mobile notification is chosen but if the NX Client PC software mainly used, desktop notification is very effective.

Interval of action— Minimum time between new detections will trigger this rule, the above example is set to 5 minutes.



Analytic Object Type (if multiple objects are required, 1 x rule will be need per project).



Action Options