

Netop

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1. Overview

This guide explains how to configure, activate, and manage Intel AMT (Active Management Technology) devices using a Host–Guest architecture.

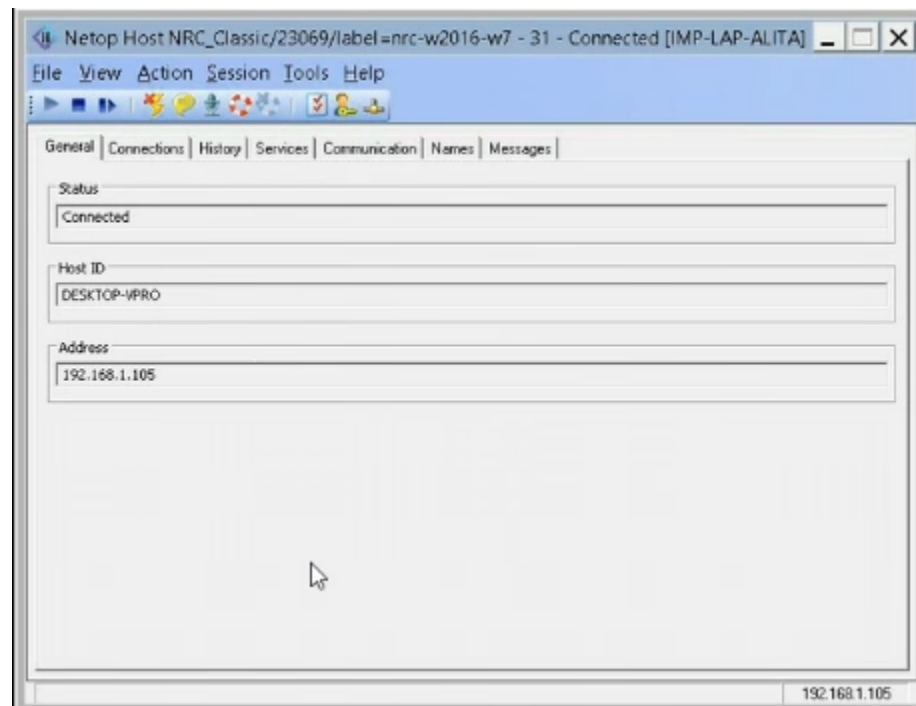
The workflow involves:

- Selecting a Host device with Intel AMT/vPro.
- Creating and exporting an activation profile.
- Using the Host to activate the AMT device.
- Managing the device through the console (KVM, SOL, logs, certificates, power functions, etc.).

2. Prerequisites

Install both applications:

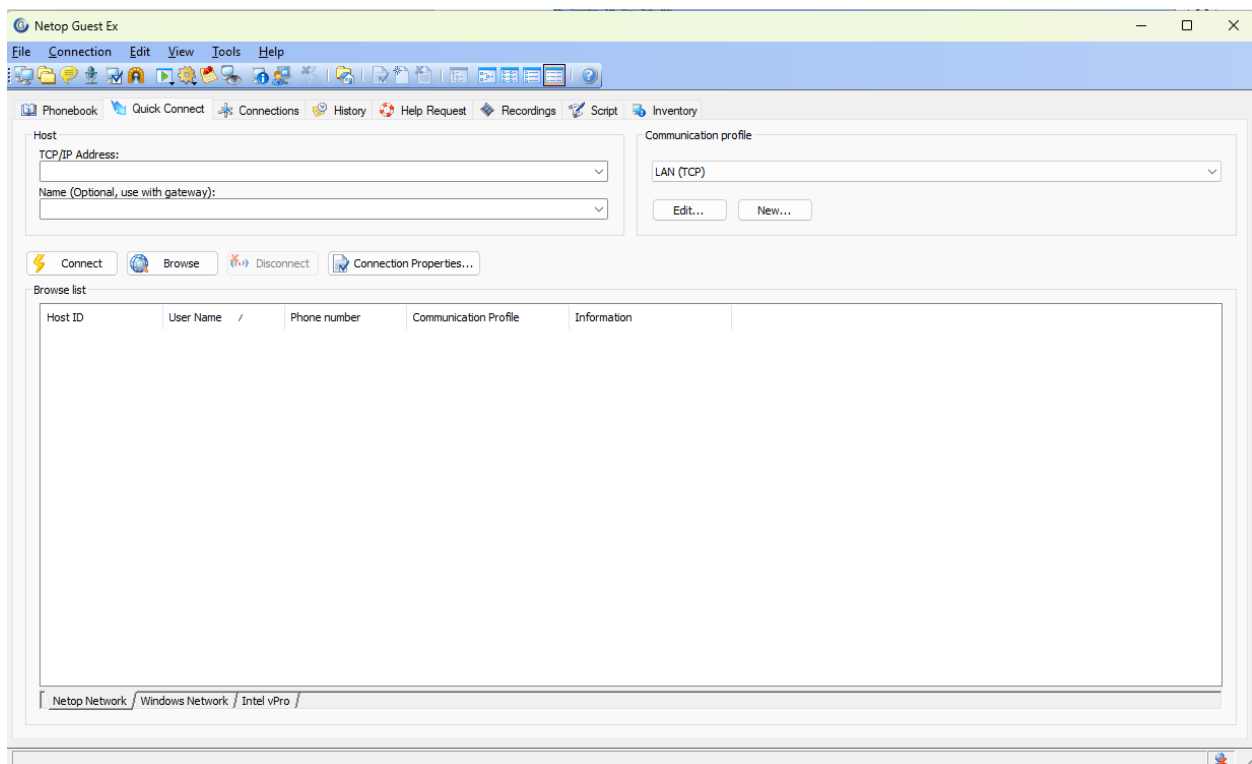
Host application (must be installed on a device with Intel AMT/vPro support) like the one from the image below:



Guest application (client interface used to manage Host) - Ensure network visibility between Host and Guest.

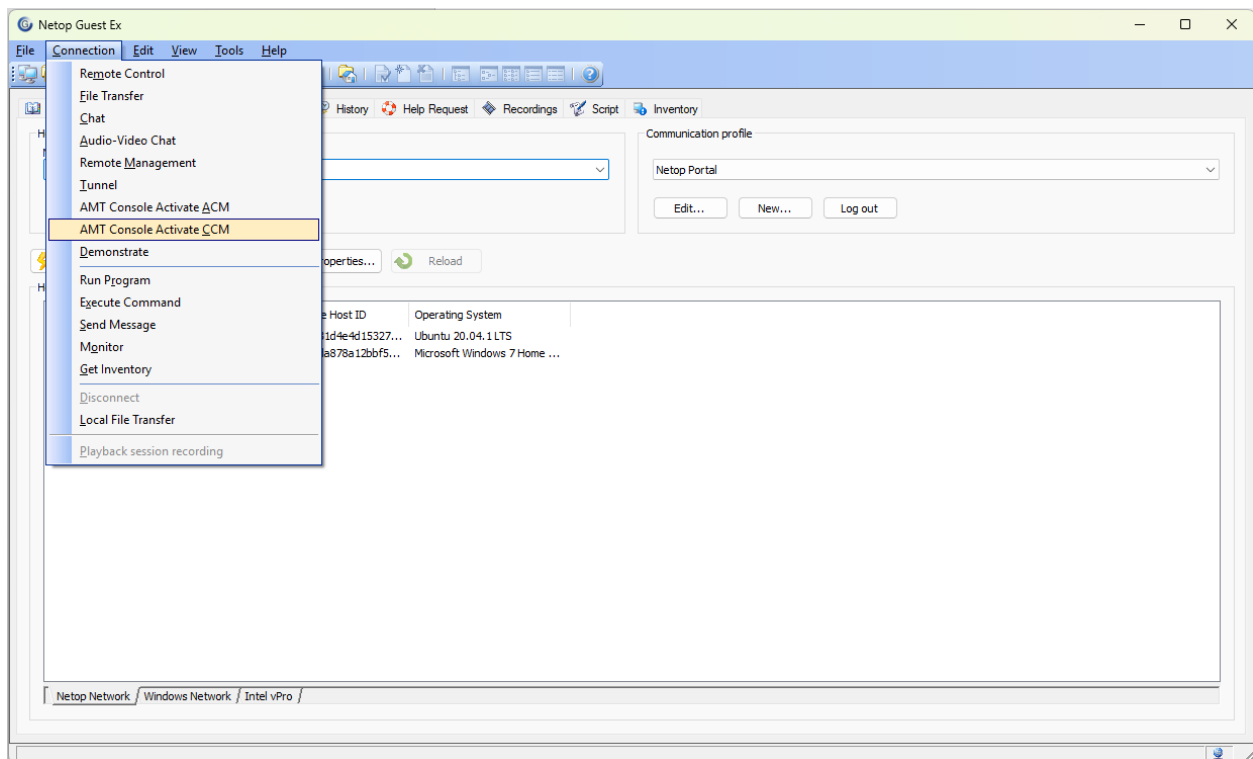
3. Connect to the Host

- In the **Guest** application, enter the **Host IP address** (the machine with vPro/AMT).



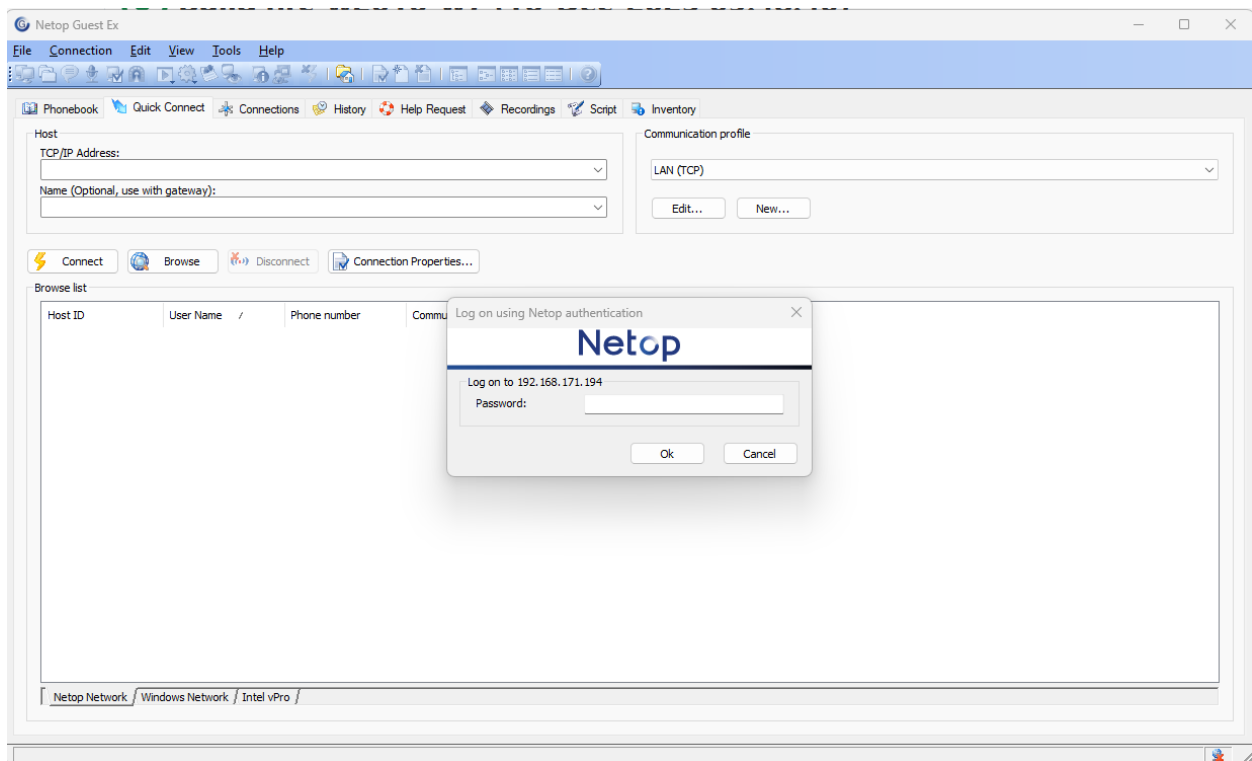
- Open the **Connection** tab and select AMT Console ActivateCCM option.

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(Optional)

- For **LAN (TCP) communication**, enter the Host access password.



- Click **OK** to continue.

4. The terminal window is displayed.

- At first launch, the terminal prompts a confirmation.
Press **Y**.

```

C:\Program Files (x86)\Netop\Netop Remote Control\Guest\console_windows_x64.exe
2025/12/12 13:42:07 migrate: environment variable not declared: DB_URL -- using embedded database
2025/12/12 13:42:07 DB path : C:\Users\Elvis Alexandru Riza\AppData\Roaming\device-management-toolkit\console.db
2025/12/12 13:42:07 +[31mWarning: Key Not Found, Generate new key? -- This will prevent access to existing data: Y/N: +
0m
  
```

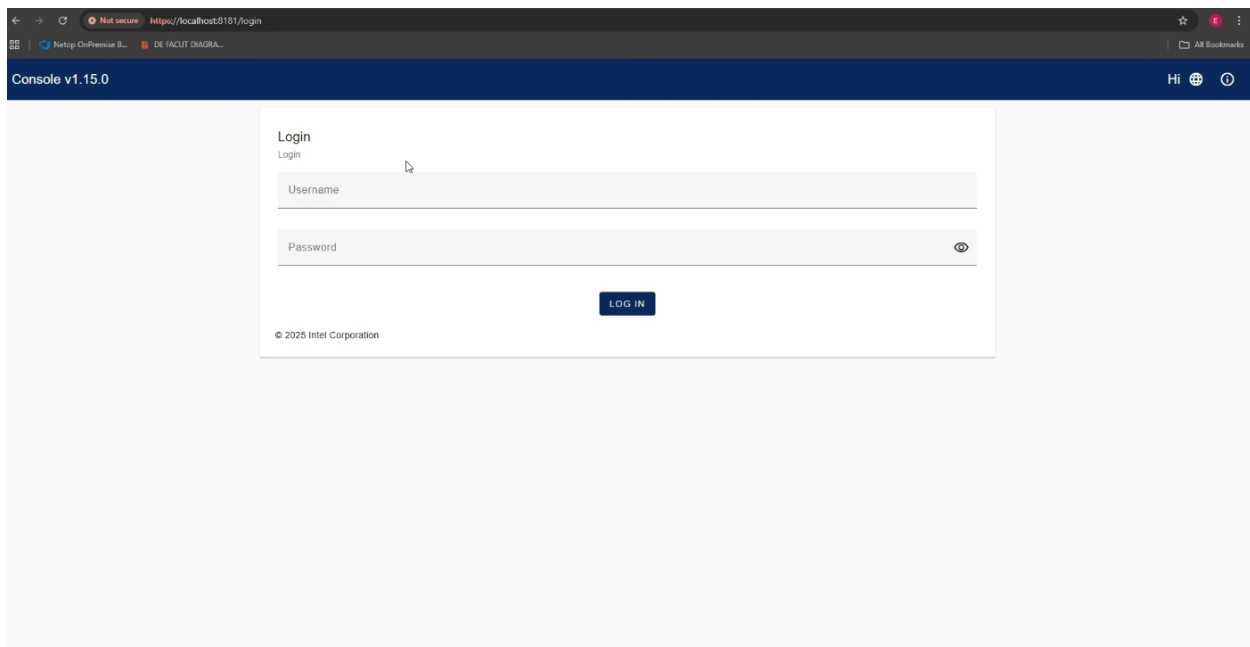
```

C:\Program Files (x86)\Netop\Netop Remote Control\Guest\console_windows_x64.exe
025/12/12 - 10:29:22 | 200 | 760.7µs | 127.0.0.1 | POST | \"/api/v1/authorize\""}
"level":"error","time":"2025-12-12T10:29:22+02:00","caller":"C:/Users/r.i.preda/go/pkg/mod/github.com/gin-gonic/gin@v1.
1.0/context.go:192","message":"ProfileRepo - - : %(EXTRA string-http - v1 - insert)"}
"level":"info","time":"2025-12-12T10:29:22+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:22 | 400 | 4.3115ms | 127.0.0.1 | POST | \"/api/v1/admin/profiles\""}
"level":"info","time":"2025-12-12T10:29:22+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:22 | 200 | 10.2785ms | 127.0.0.1 | GET | \"/api/v1/admin/profiles/export/ClientModeProfi
e?domainName=\""}
"level":"warn","time":"2025-12-12T10:29:23+02:00","caller":"C:/Program Files/Go/src/log/log.go:244","message":"http: TL
handshake error from 127.0.0.1:55859: remote error: tls: unknown certificate"}
"level":"info","time":"2025-12-12T10:29:24+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:24 | 200 | 1.6406ms | 127.0.0.1 | GET | \"/\""}
"level":"info","time":"2025-12-12T10:29:24+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:24 | 200 | 0s | 127.0.0.1 | GET | \"/polyfills.js\""}
"level":"info","time":"2025-12-12T10:29:24+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:24 | 200 | 7.826ms | 127.0.0.1 | GET | \"/styles.css\""}
"level":"info","time":"2025-12-12T10:29:24+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:24 | 200 | 57.0964ms | 127.0.0.1 | GET | \"/main.js\""}
"level":"info","time":"2025-12-12T10:29:24+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:24 | 200 | 4.5037ms | 127.0.0.1 | GET | \"/assets/i18n/en.json\""}
"level":"info","time":"2025-12-12T10:29:24+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:24 | 200 | 783.2µs | 127.0.0.1 | GET | \"/assets/logo.png\""}
"level":"info","time":"2025-12-12T10:29:24+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:24 | 200 | 1.5339ms | 127.0.0.1 | GET | \"/api/v1/devices/stats\""}
"level":"info","time":"2025-12-12T10:29:24+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:24 | 200 | 62.6723ms | 127.0.0.1 | GET | \"/media/kJEhBvYX7BgnkSrUwT80hrdQw4oELdPIeeII9v
oFsI.woff2\""}
"level":"info","time":"2025-12-12T10:29:25+02:00","caller":"C:/Program Files/Go/src/fmt/print.go:263","message":"[GIN
025/12/12 - 10:29:25 | 200 | 505.5352ms | 127.0.0.1 | GET | \"/version\""}
  
```

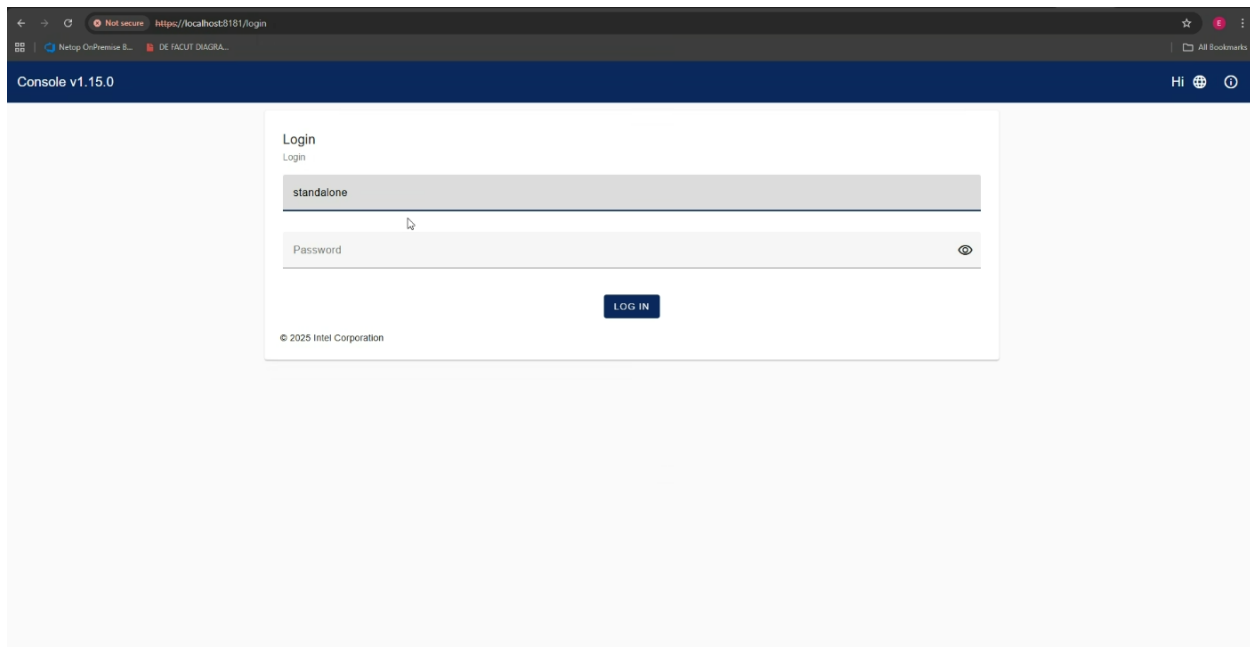
5. Logging into the Console

- The console window opens.

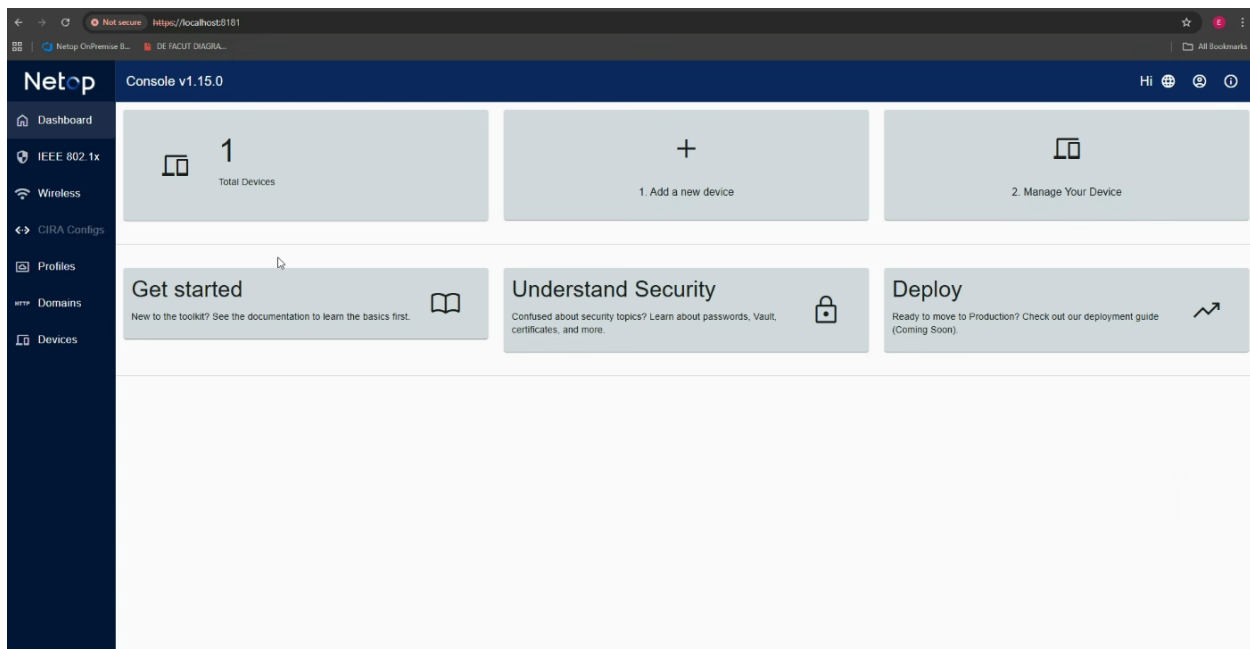
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- Enter the **default credentials (for the moment)**:
 - Username: **standalone**
 - Password: -



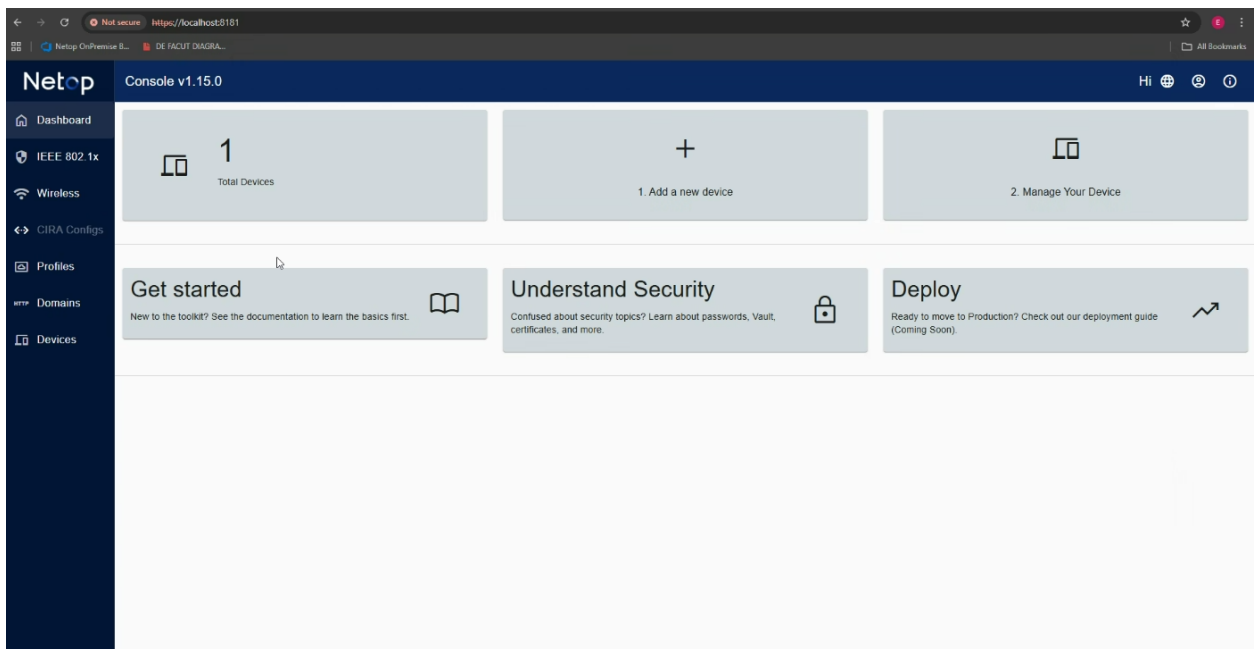
- Press **Log in**.
- The Home dashboard will appear.



6. Creating and Managing Profiles (this step is performed in background)

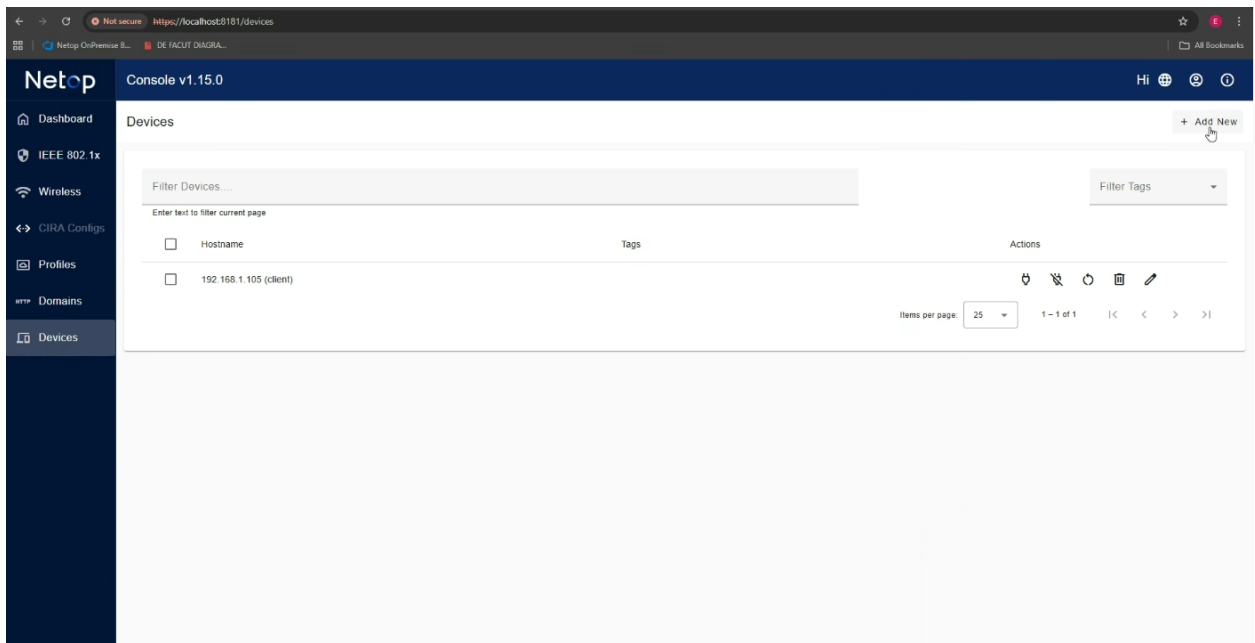
- Navigate to **Profiles**.
- A newly created profile will appear.
- When activating AMT:
 - The system **creates a profile**.
 - Exports:
 1. **Encrypted profile (profile.yaml)**
 2. **Encryption key**
 - These are sent to the Host.
- The Host prepares the activation package.
- The Host runs **rpc.exe** to communicate with the vPro device.
- Host sends status back to Guest (success or error).

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7. (Optional) Adding a New AMT Device – this is another way of adding an AMT device

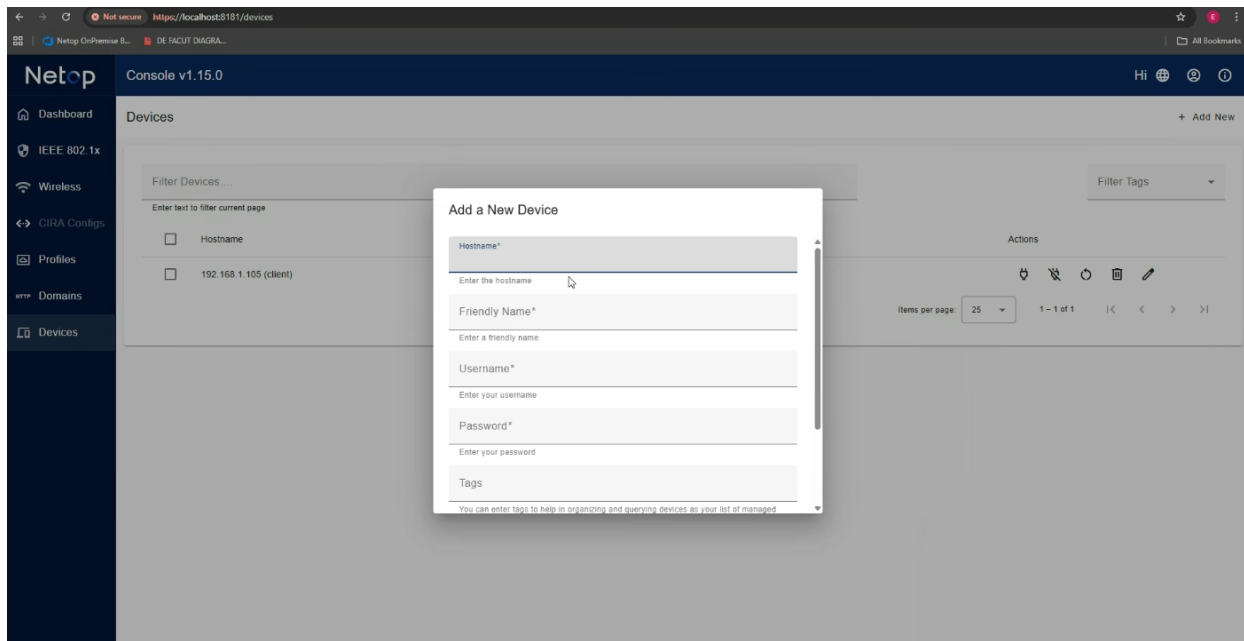
- Go to **Devices** → click **Add New**.



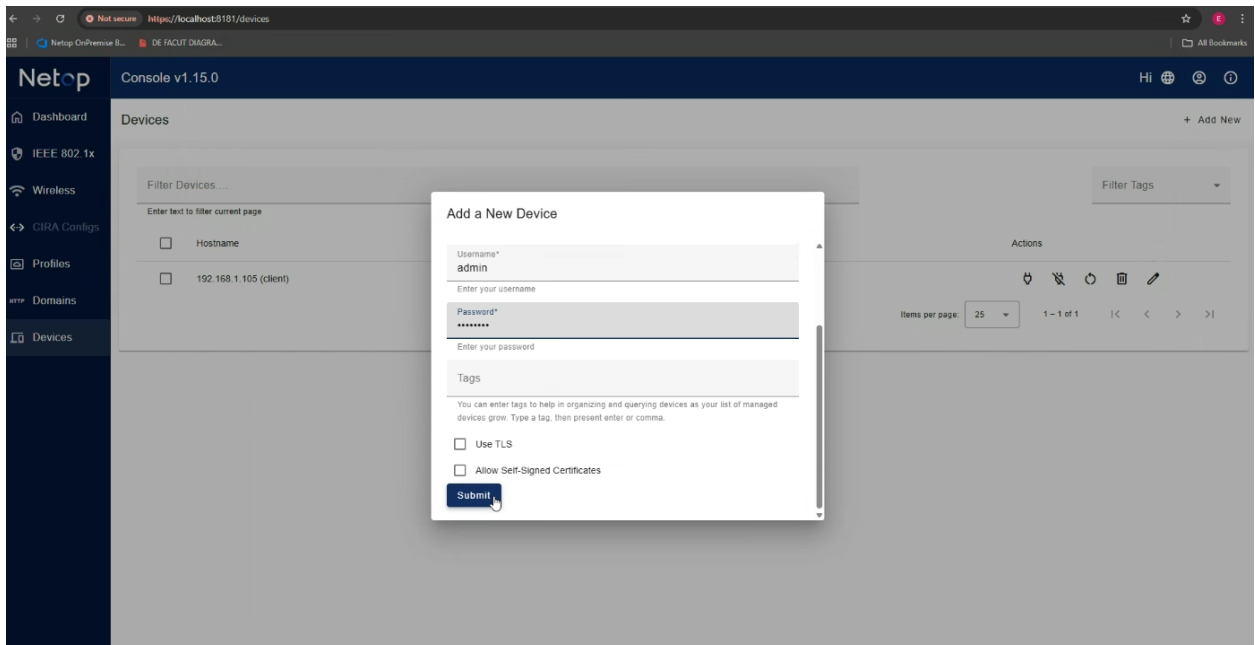
- Fill in:

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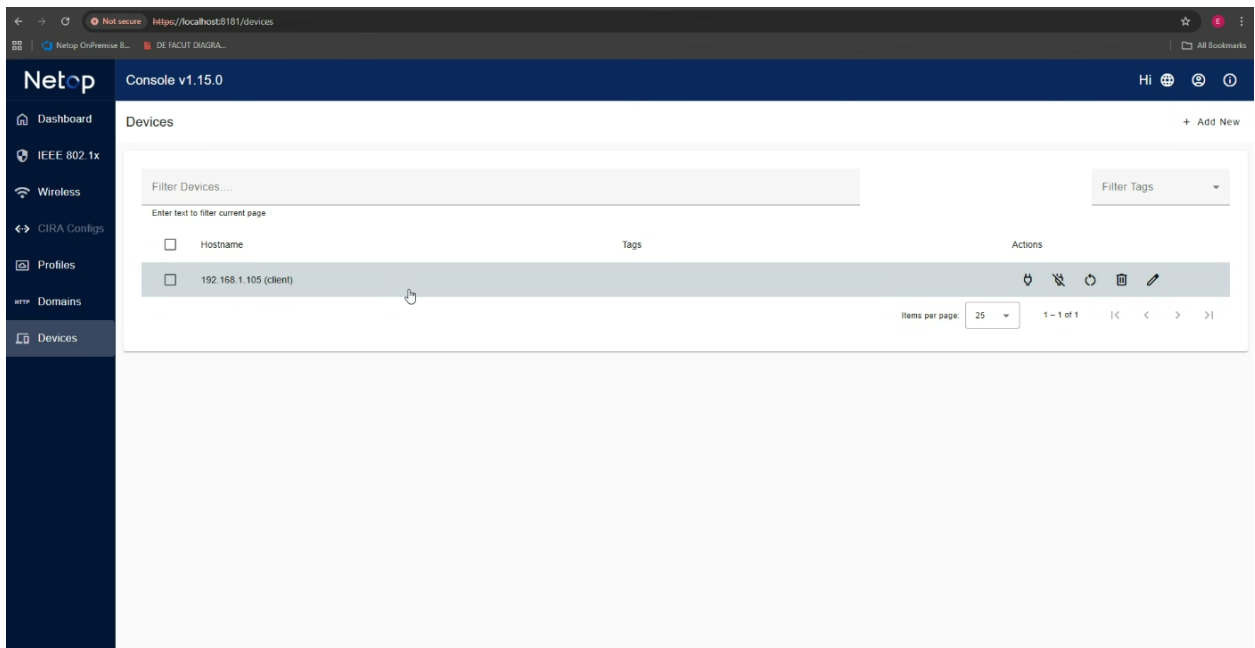
- **Hostname** = Host IP
- **Friendly Name** = any label
- **Username** = admin (default)
- **Password** = same password used during Host login



- **Press Submit.**

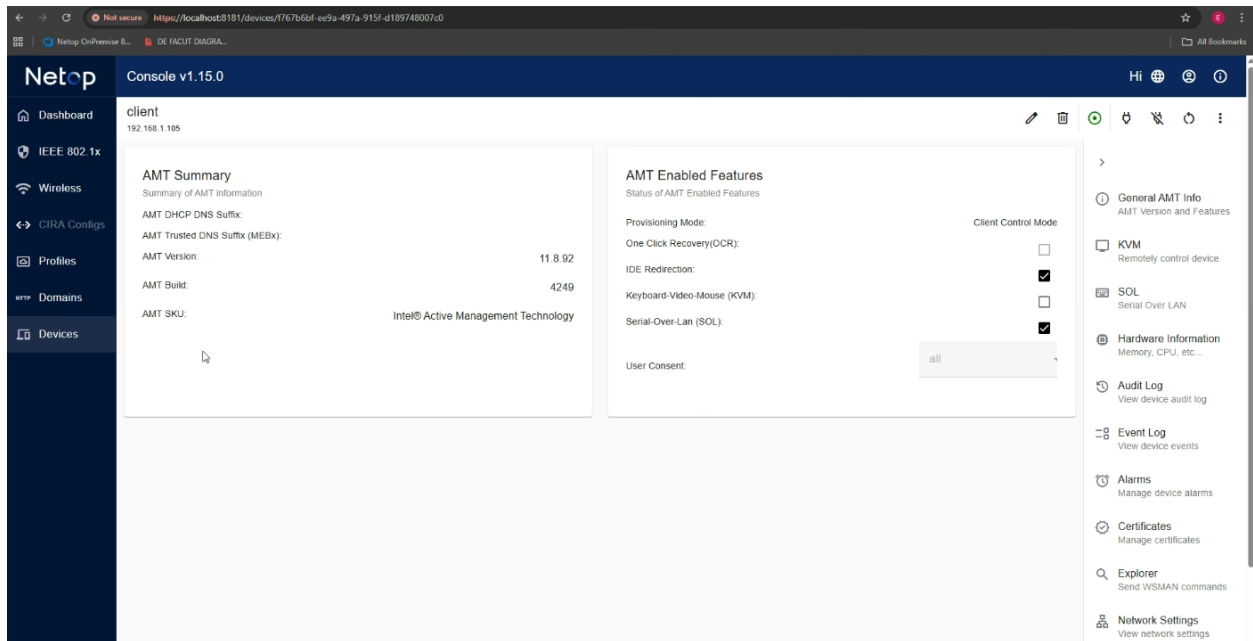


- After submission, the device appears in the list.



8. Viewing General AMT Information

- Select the device to open **the General AMT Information** page. From here, you can access all AMT functionalities.

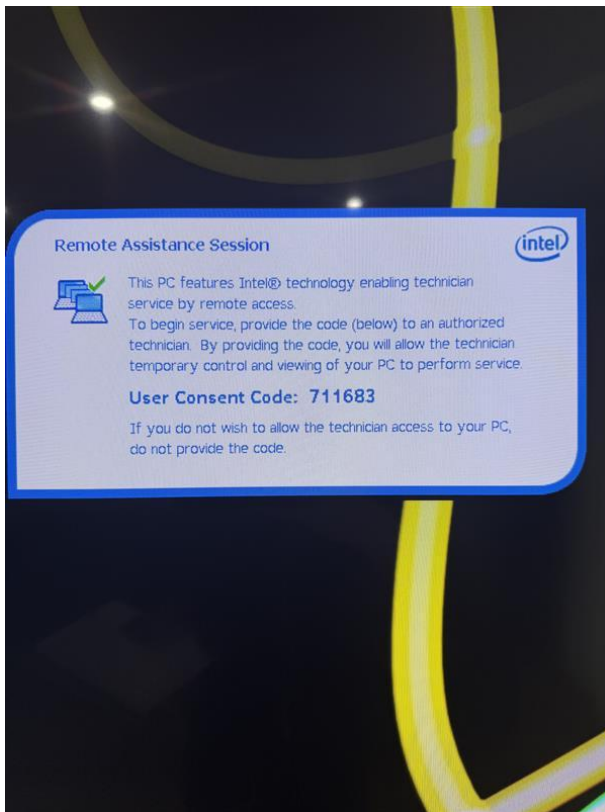


9. Menu Options for vPro Device

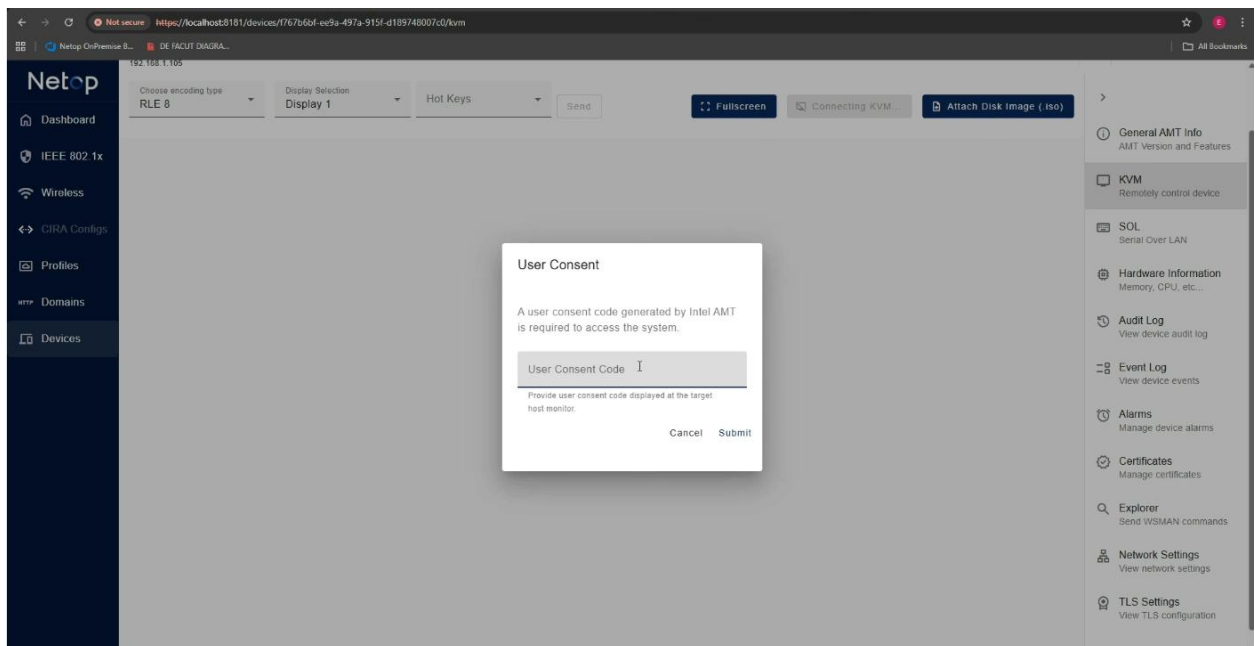
9.1 KVM (Keyboard–Video–Mouse)

- When KVM or SOL is selected, the system generates a **code on AMT Device Monitor**.

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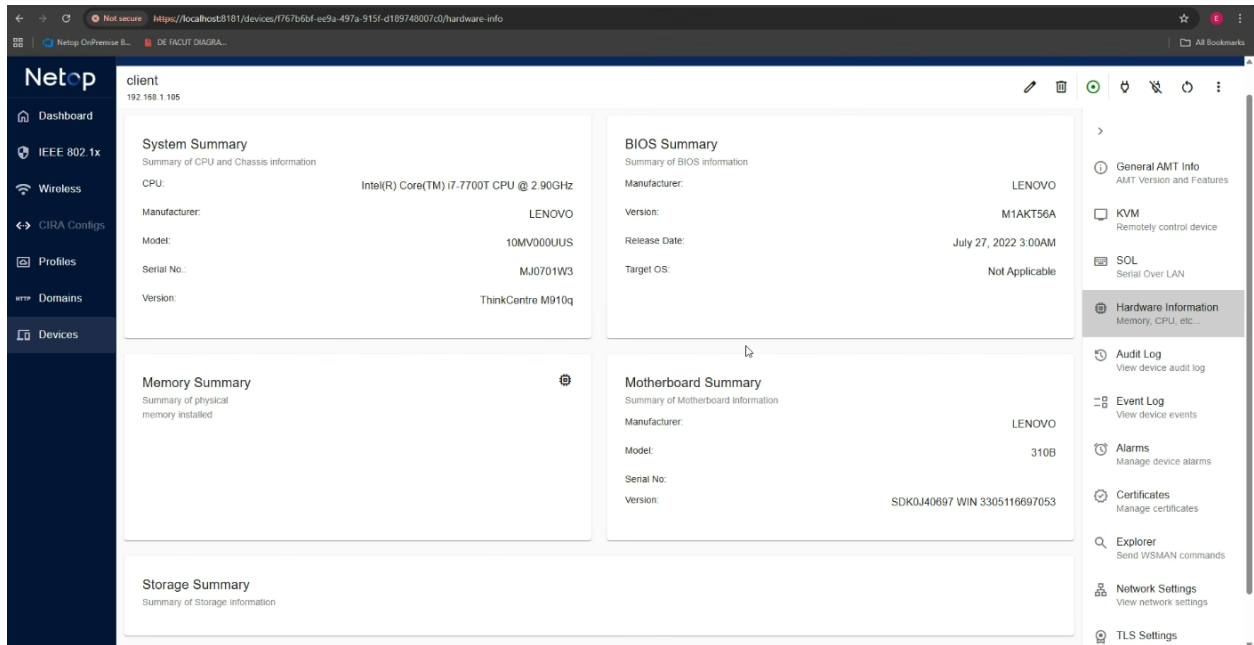
- Enter that code into the console to start KVM.



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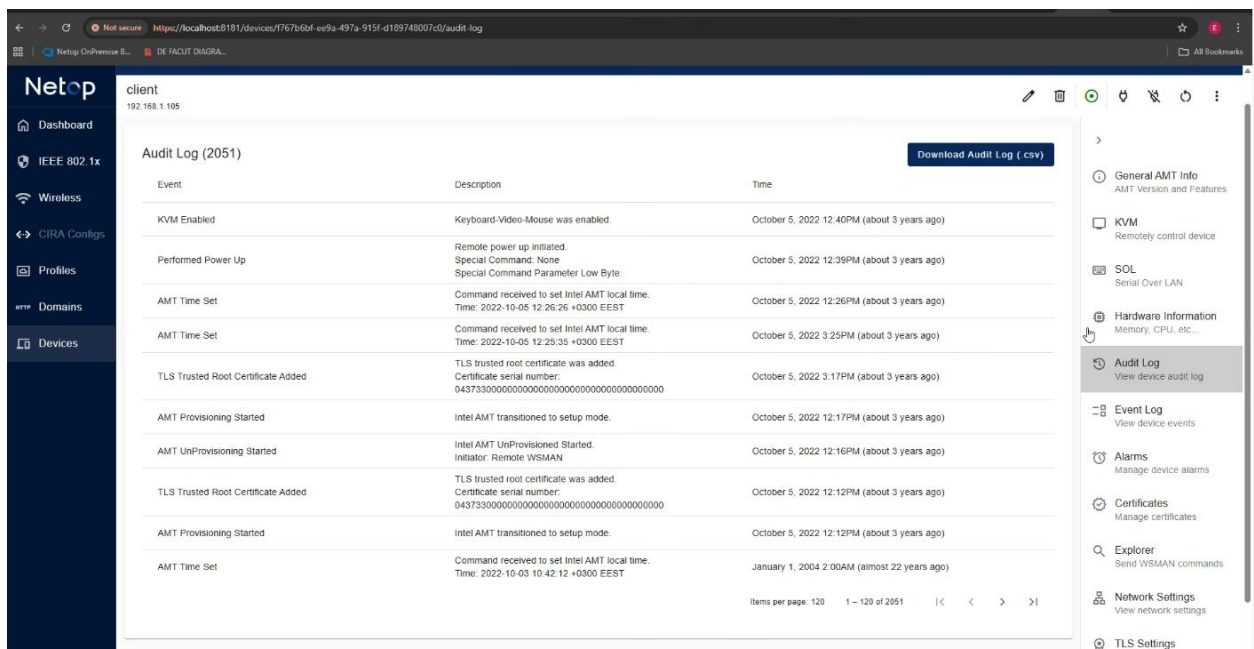
9.2 Hardware Information

- Displays device hardware and AMT-specific details.

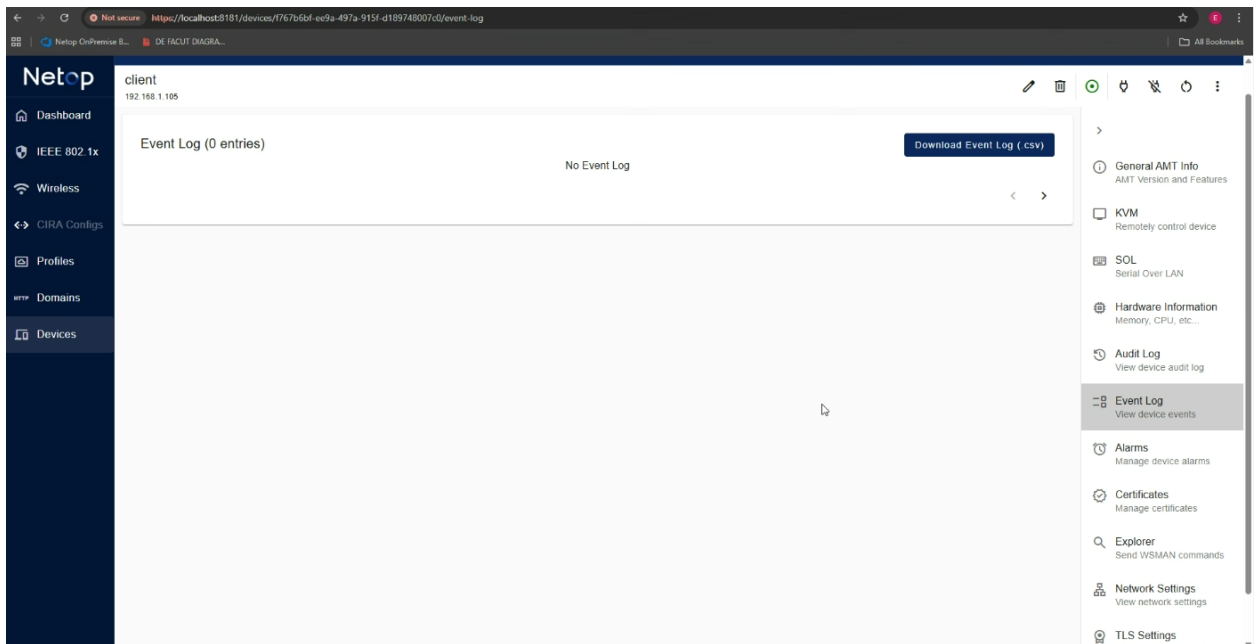


9.3 Logs

- **Audit Log** – administrative actions

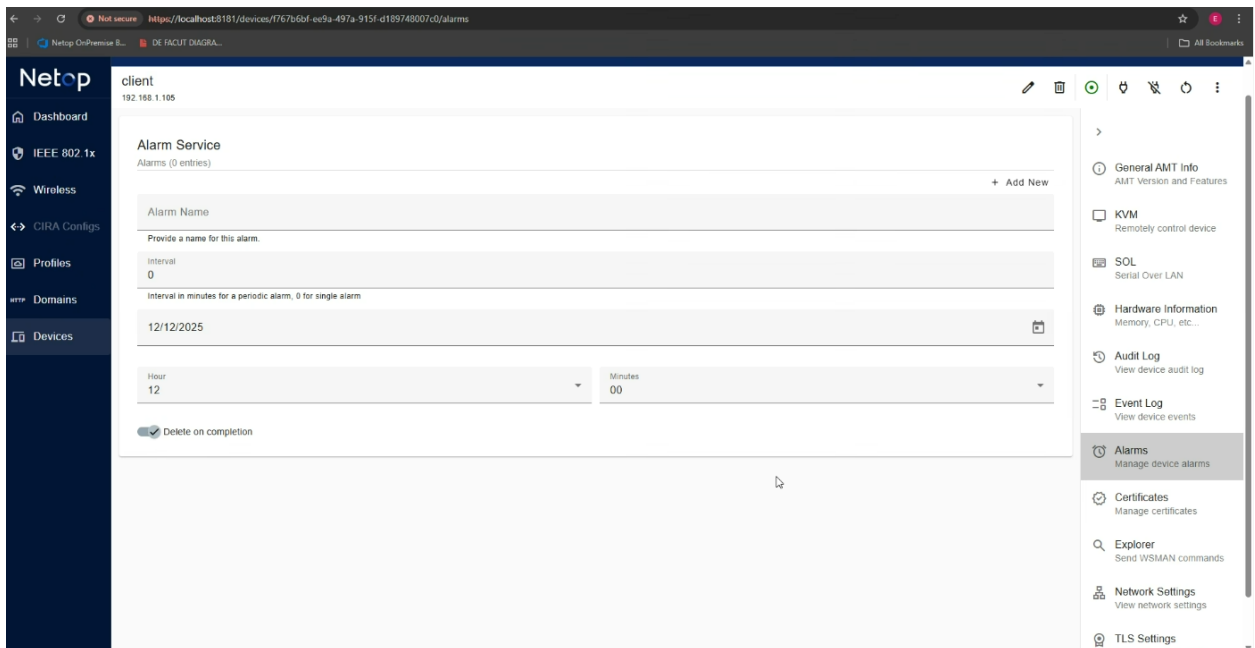


- Event Log – system-level AMT events



9.4 Alarms

- Displays any AMT alarm events.



9.5 Certificates

- Shows certificates stored on the AMT device.
- To add a certificate:
 - Press **Add New** and follow the instructions.

9.6 Explorer

- Allows navigation through device information and AMT configuration areas.

9.7 Network Settings

- Shows network configuration for the AMT interface.

9.8 TLS Settings

- View or configure TLS security parameters.

10. Main AMT Functionalities

10.1 Reset

- Reboots the device using AMT remote control.

10.2 Sleep

- Logs the user off, placing system in sleep.

10.3 Soft-Off

- Powers down the machine.
- After shutdown, pressing **Yes** will power it on again.
- You will be prompted to enter the AMT Monitor code again.

10.4 Incorrect Code Handling

- If a wrong KVM/SOL code is entered, an error screen appears requesting a valid code.

10.5 Power Up to BIOS

- Allows remote boot directly into BIOS (requires correct AMT authorization code).

11. Activation Sequence Summary

1. Guest selects Host.
2. System creates AMT activation profile.
3. Profile + encryption key exported to Host.
4. Host runs **rpc.exe**, communicates with vPro firmware.
5. Host activates device.
6. Host sends status result back to Guest.