## CloudLens Agent Deployment with Ansible

### **What It Does.**

This automation framework simplifies the deployment and cleanup of CloudLens Agents across your infrastructure using Ansible.

It supports:

Linux (Ubuntu, RHEL/CentOS): Deploy via Docker/Podman containers

Windows: Deploy via .exe installer with WinRM

Automates everything from installing dependencies to verifying agent health

**Note**: Other OS may be supported depending on the use case.

### 🎯 How You Use It

Clone the repo (permission required — see below)

Update inventory with your target VMs (static or dynamic like Azure/AWS)

Run the platform-specific playbook

Use cleanup playbooks when needed

Logs (ansible.log) help with tracking and debugging deployments

### 🧰 Key Use Cases

Deploy at scale across hundreds or thousands of VMs

Works in hybrid and multi-cloud environments

Automates both installation and uninstallation

### **Deployment Context**

The screenshot below illustrates the full CloudLens deployment architecture.

These VM agents (**CL-Vtap-Sensor)** are:

* **Automatically deployed** on your Linux and Windows workloads using the provided Ansible playbooks
* Pre-configured to establish insecure/secure connections to the **CloudLens Manager** over **TCP 443**
* Set up to **forward mirrored (tapped) traffic** to your existing **monitoring tools** using protocols like **GRE**, **ERSPAN**, **VXLAN**, and **Netflow**

💡 **No manual setup is needed** on each target machine — inventory grouping, deployment, logging, and cleanup are all handled through code.

### 🔐 Repo Access

**Private GitHub Repository:**  
🔗 <https://github.com/brine-ketum/Ansible/tree/Azure_Ansible>

🛑 Note: This is a private repository. Please request access.  
📄 Refer to the *README.md* in the repo for the full step-by-step deployment guide.