Cyware Agent is a light-weight integrator feature in Orchestrate that helps bridge the gap between cloud operations and on-premise deployed solutions. Cyware Agent creates a secure and dedicated gateway to enable seamless automation interoperability between on-premise solutions deployed in the customer infrastructure and the Orchestrate application deployed in the cloud. The secure orchestration gateway facilitates machine-speed threat response, real-time data synchronization, and decision-making by automating manual tasks associated with the threat intelligence and incident response lifecycle.

Organizations that use on-premise or hybrid deployment practices can utilize all exquisite features of the Orchestrate application deployed on the cloud using this solution. It also comes with the added advantages of a private/on-premise deployment, such as greater control over assets, enhanced cloud security, resiliency, high availability and the flexibility to transfer data between third-party applications.

**CYWARE AGENT ARCHITECTURE**

Cyware Agent is a light-weight integrator to orchestrate and automate cloud and on-premise infrastructure.
PRIMARY USE CASES

Secure data transfer in a hybrid (multi-cloud + on-premise) environment

Transferring data securely between multiple cloud deployments and on-premise applications such as EDR, TIP, ITSM etc. is usually a challenge.

Communication with Cyware Agent is unidirectional and works through proxy, which means that the customer’s internal network does not get exposed to the Agent at any time. Additionally, because Cyware Agent works on an HTTPS layer, all communication is secure and encrypted by default.

Granular access control and tighter security with an API Access Control layer

Organizations need advanced orchestration capabilities without compromising on access control and security.

Since Cyware Agent works based on API communication, performing actions on endpoint devices and applications is more secure. Access permissions and authorization can be tightly controlled, with Cyware Agent, getting only strictly necessary permissions when API keys are generated.

Orchestration in a multi-cloud hybrid environment

Lack of interoperability and siloes between multiple clouds and on-premise deployments in a single network.

Customers can install agents in multiple public clouds and on-premise deployments in their environments, all of which can be controlled using a single Orchestrate instance in order to bridge the siloes amongst various systems.

Enabling MSSPs to easily manage data from multiple customer SIEMs

Organizations face difficulty in managing events ingested from multiple SIEM platforms deployed in different customer environments.

Cyware Agent helps MSSPs organize and manage events generated from multiple SIEM platforms in different customer environments on a single console. MSSP analysts can easily view and track multiple customers’ data on a unified dashboard, without having to jump from console to console.

BENEFITS

Connect cloud with on-premise infrastructure with low-code SOAR capabilities.

Optimize and accelerate security workflows by extending low code orchestration and automation capabilities to the private on-premise infrastructure.

Gain better control over assets, enhance cloud security and resilience with reduced infrastructure cost.

Experience data polling with frequency equivalent to real-time.

Avoid hassles of configuring separate safelist policies on firewall as data requests are generated on HTTP.

Seamlessly install on any Virtual Machine because all the required libraries and dependencies are part of the docker image.

Enable seamless playbook execution using a backup agent in case of any communication failure, ensuring high availability.

Secure communication with the end user application via polling instead of direct communication.

Integrate with 300+ Cyber, IT, and DevOps technologies using in-built Appstore.

ABOUT CYWARE

Cyware helps enterprise cybersecurity teams build platform-agnostic cyber fusion centers by delivering cyber threat intelligence and next-generation SOAR (security orchestration, automation, and response) solutions. As a result, organizations can increase speed and accuracy while reducing costs and analyst burnout.

Cyware’s Cyber Fusion solutions make secure collaboration, information sharing, and enhanced threat visibility a reality for MSSPs, enterprises, government agencies, and sharing communities (ISAC/ISAO/CERTs and others) of all sizes and needs.