About Dynamic Attributes Connector

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The dynamic attributes connector enables your access control policy to adapt in real time to the changes in public and private cloud workloads and business-critical software-as-a-service (SaaS) applications. It simplifies policy management by keeping rules up to date without tedious manual updates and policy deployment. Customers require policy rules to be defined based on non-network constructs such as VM name or security group, so that firewall policy is persistent even when the IP address or VLAN changes.

Supported connectors

We currently support:

Table 1: List of supported connectors by dynamic attributes connector version and platform

CSDAC version	AWS	AWS security groups	AWS service tags	Azure	Azure Service Tags	Cisco Cyber Vision	Cisco Multicl. Defense	Generic text	GitHub	Google Cloud	Microsoft Office 365	vCenter	Tenable	Webex	Zoom
Version 1.1 (on-premises)	Yes	No	No	Yes	Yes	No	No	No	No	No	Yes	Yes	No	No	No
Version 2.0 (on-premises)	Yes	No	No	Yes	Yes	No	No	No	No	Yes	Yes	Yes	No	No	No
Version 2.2 (on-premises)	Yes	No	No	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	No	No	No
Version 2.3 (on-premises)	Yes	No	No	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	No	Yes	Yes
Version 3.0 (on-premises)	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes

More information about connectors:

- Generic text list of IP addresses you specify

  For more information, see Create a generic text connector.

- GitHub

For more information, see Create a GitHub connector.

- Google Cloud

  For more information, see Setting Up Your Environment in the Google Cloud documentation.

  See Google cloud connector user permissions and imported data.

- Webex IP addresses

  For more information, see Create a Webex connector.

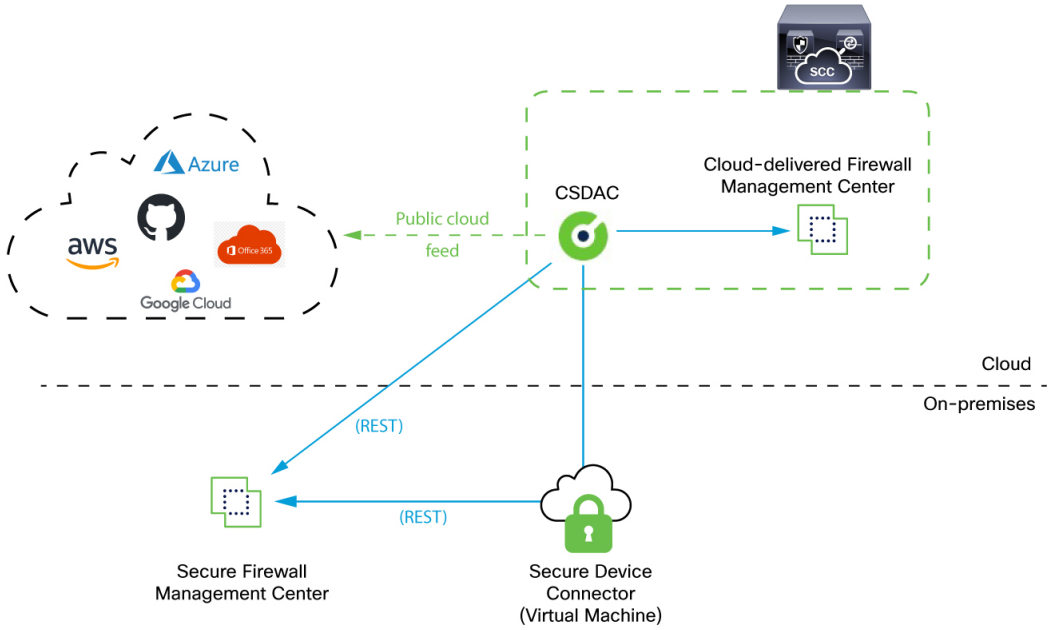
- Zoom IP addresses

  For more information, see Create a Zoom connector.

How It Works

This topic discusses the architecture of the dynamic attributes connector.

The following figure shows how the system functions at a high level.



- The system supports certain public cloud providers.

  This topic discusses supported *connectors* (which are the connections to those providers).

- The *adapter* defined by the dynamic attributes connector receives those dynamic attributes filters as *dynamic objects* and enables you to use them in access control rules.

  You can create the following types of adapters:

  - for an on-premises device.

    This type of device might be managed by Security Cloud Control or it might be a standalone.

  - *Cloud-Delivered Firewall Management Center* for devices managed by Security Cloud Control.