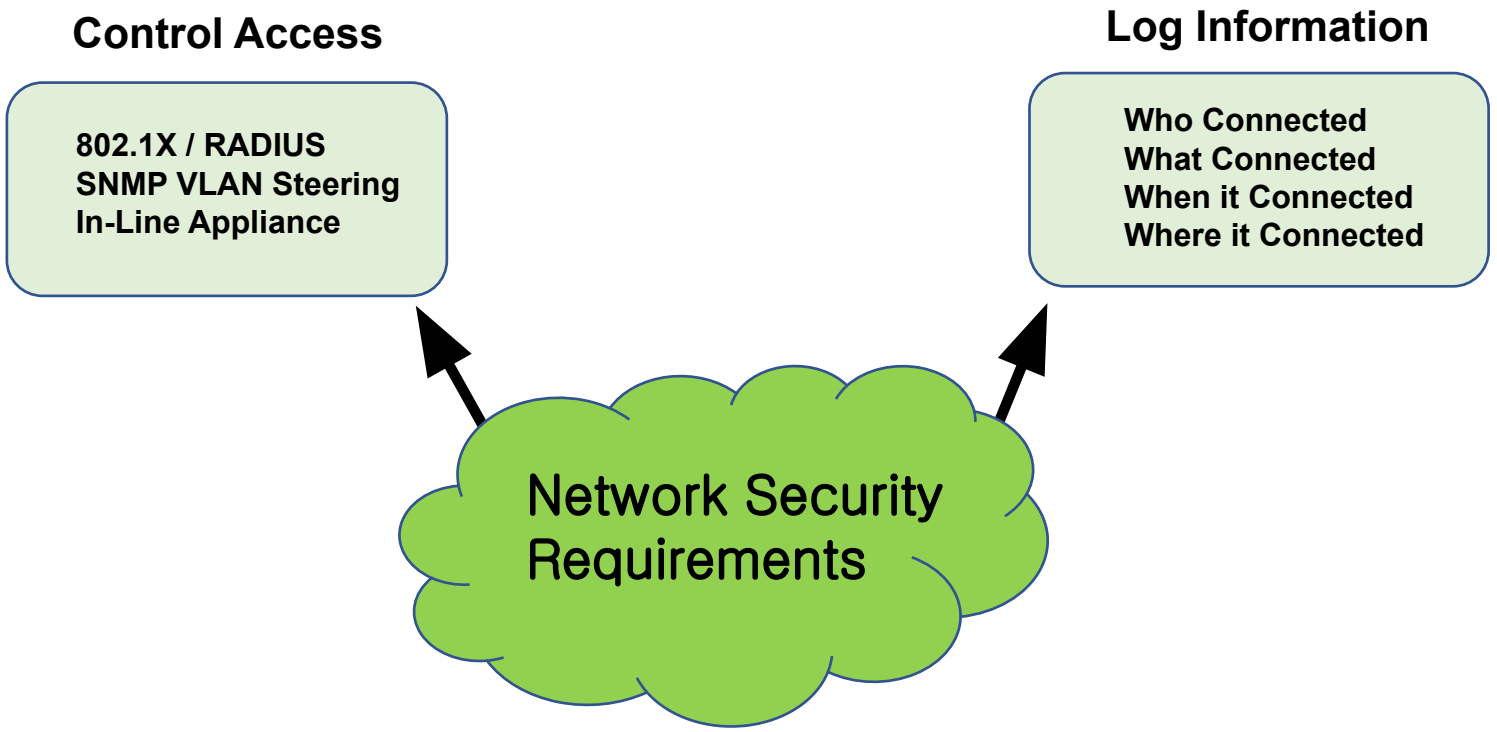
Genians

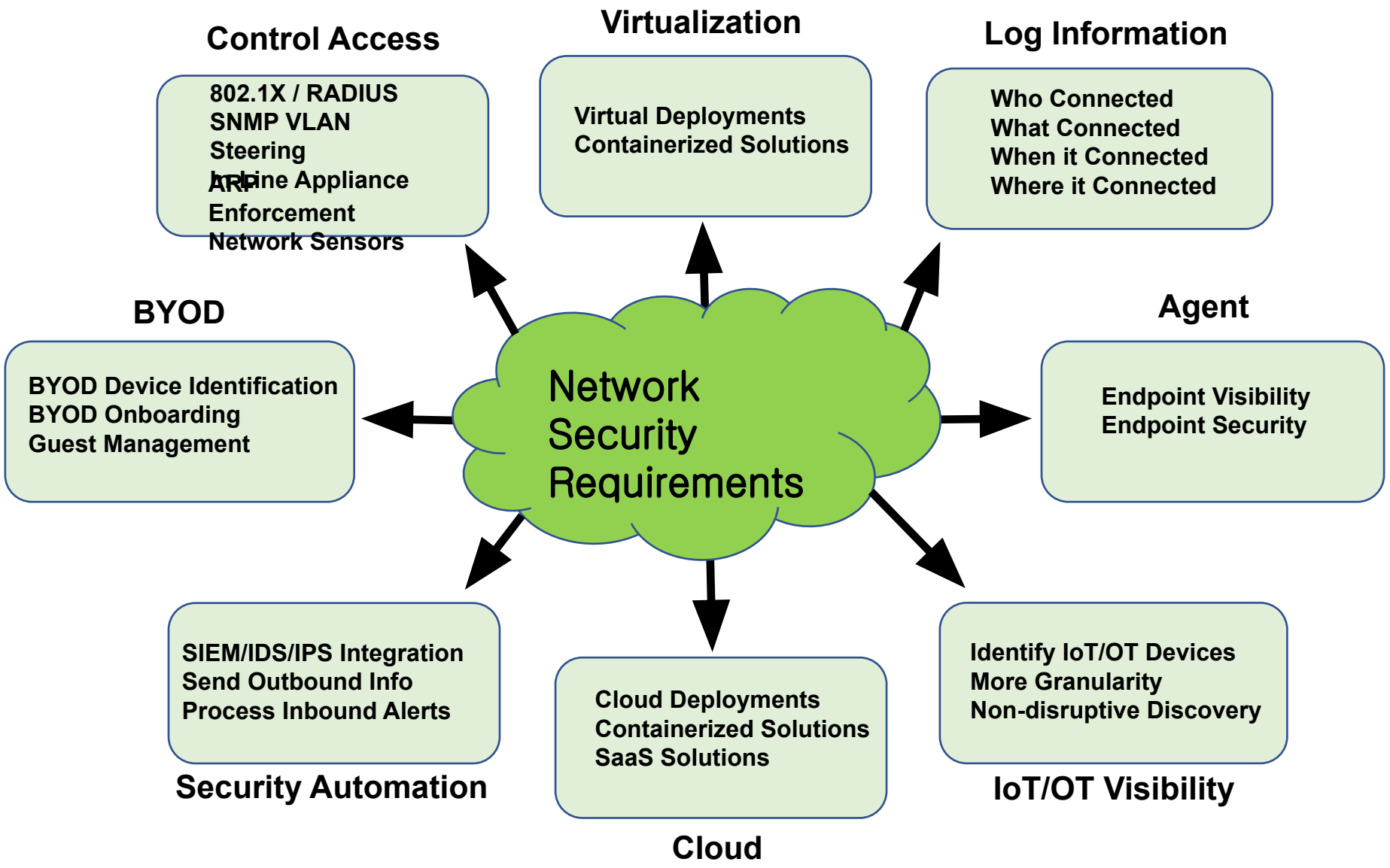
Zero Trust with Genian ZT-NAC

The Evolution of ZT-NAC

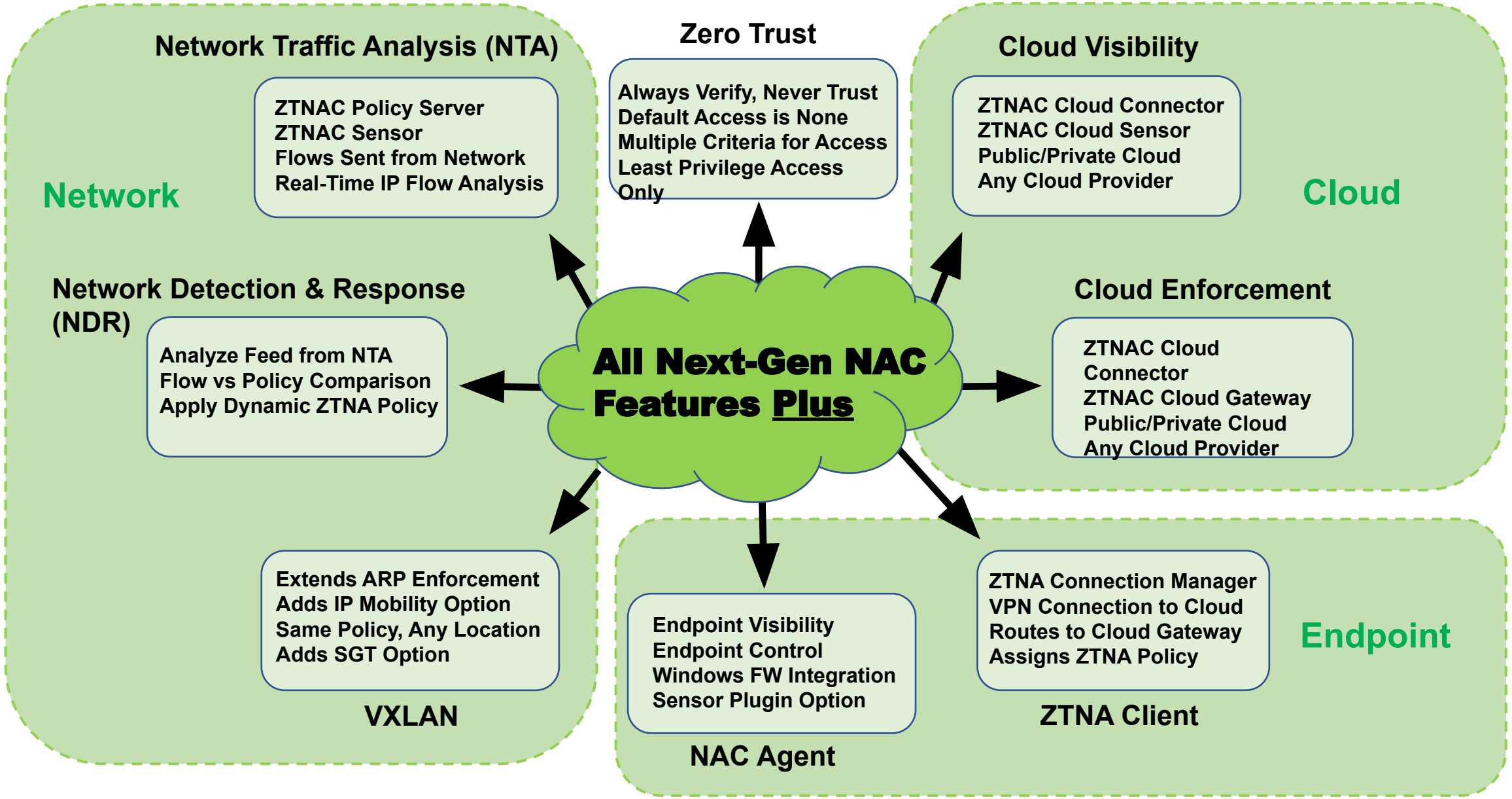
Early Generation Network Access Control



Next-Gen Network Access Control



Genian ZT-NAC



Zero Trust Policy Real-Time Enforcement

Policy Server Anywhere

On-Prem

Public or Private

Compliance Check

Platform Intelligence

Policy Engine

Zero Trust Policy Assigned

User	Node	Status
Resource	Resource	Resource
Access	Access	Access
User	Node	Status
Resource	Resource	Resource
Access	Access	Access
User	Node	Status
Resource	Resource	Resource
Access	Access	Access
User	Node	Status
Resource	Resource	Resource
Access	Access	Access

Enforcement Method

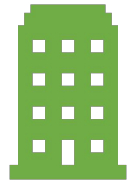
ARP
RADIUS
SNMP

Agent

Connector and Gateway

Any Environment

On-Prem



Home Office

Public or Private

Cloud Visibility Examples

Policy Server Anywhere

On-Prem

Public or Private

Flexible Deployment Options

Choose Cloud Service Provider

amazon web services

Microsoft Azure

Customize for Your Environment

Multiple Cloud Visibility Options

Cloud Connector

Virtual Sensor

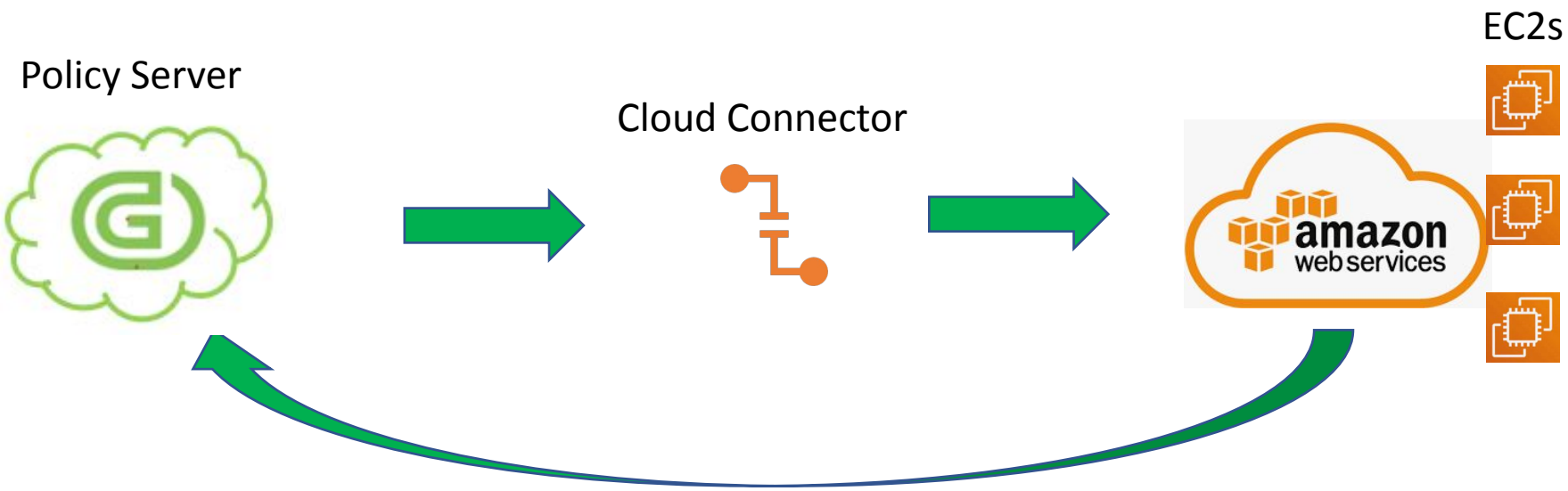
Agent

Cloud Connector Visibility Example

Step 1
Deploy Policy Server
in Genians Cloud

Step 2
Enable Cloud Connector
in Policy Server

Step 3
Connector Collects Information
About Instances in the Cloud

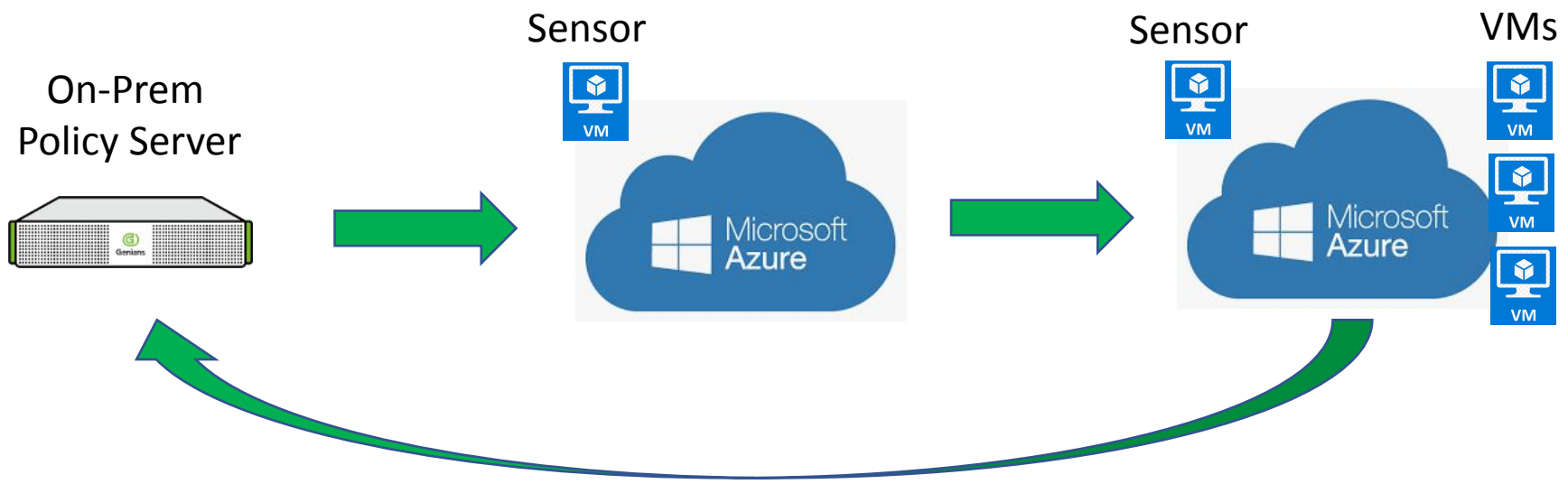


Cloud Sensor Visibility Example

Step 1
Deploy Policy Server
On-Prem

Step 2
Deploy Cloud Sensor
in Azure

Step 3
Cloud Sensor Detects
all VMs In Azure Subnet



Agent Visibility Example

Step 1
Deploy Policy Server in AWS

Step 2
Install Agent on Google Compute Instance

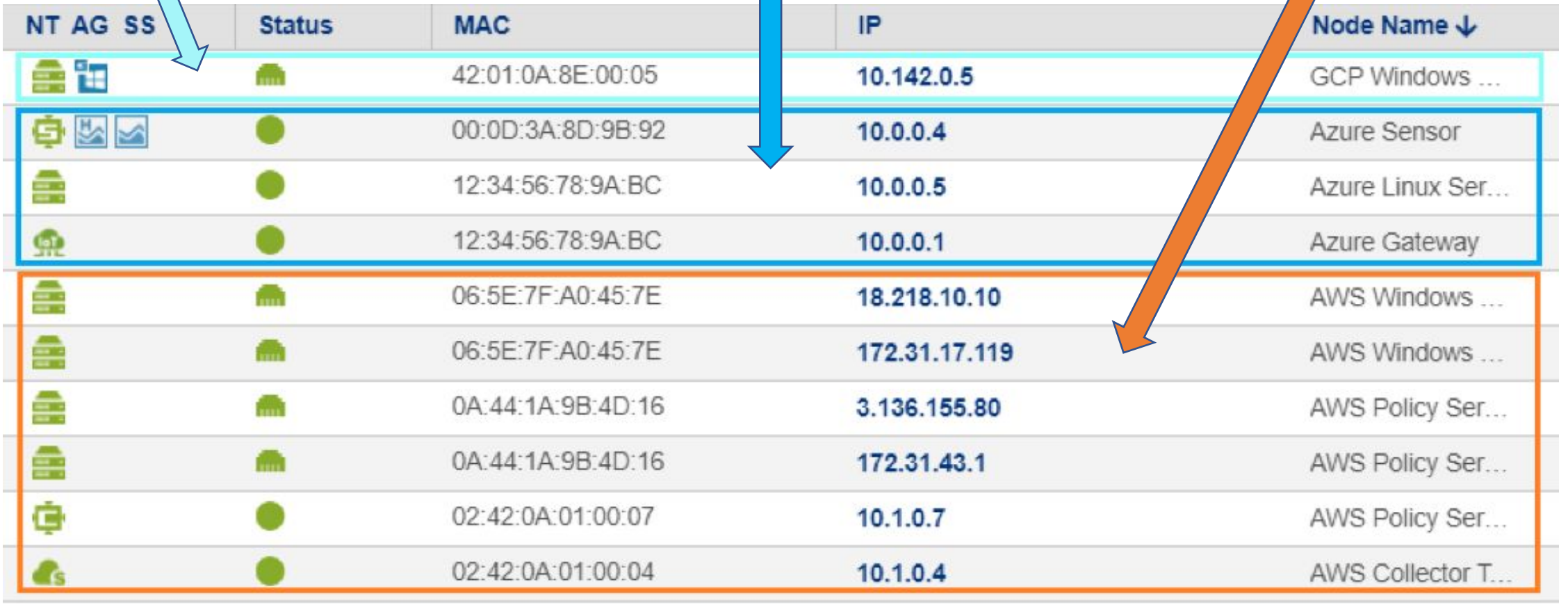
Step 3
Agent Collects Information About Compute Instance

Example Combined Node List in ZT-NAC UI

GCP VM with Agent

Azure VMs detected by Sensor

AWS EC2s detected with Connector



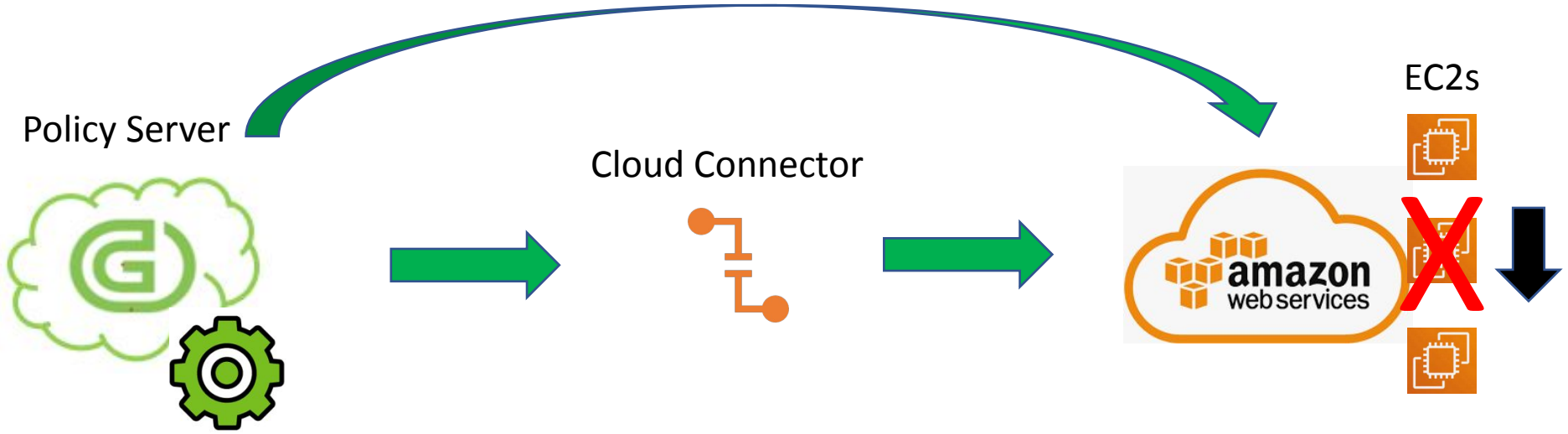
NT AG SS	Status	MAC	IP	Node Name ↓
		42:01:0A:8E:00:05	10.142.0.5	GCP Windows ...
		00:0D:3A:8D:9B:92	10.0.0.4	Azure Sensor
		12:34:56:78:9A:BC	10.0.0.5	Azure Linux Ser...
		12:34:56:78:9A:BC	10.0.0.1	Azure Gateway
		06:5E:7F:A0:45:7E	18.218.10.10	AWS Windows ...
		06:5E:7F:A0:45:7E	172.31.17.119	AWS Windows ...
		0A:44:1A:9B:4D:16	3.136.155.80	AWS Policy Ser...
		0A:44:1A:9B:4D:16	172.31.43.1	AWS Policy Ser...
		02:42:0A:01:00:07	10.1.0.7	AWS Policy Ser...
		02:42:0A:01:00:04	10.1.0.4	AWS Collector T...

Cloud Connector Control Example 1

Step 1
Cloud Node Matches on Enforcement Policy

Step 2
Cloud Connector Issues CLI Command

Step 3
Instance is Shutdown

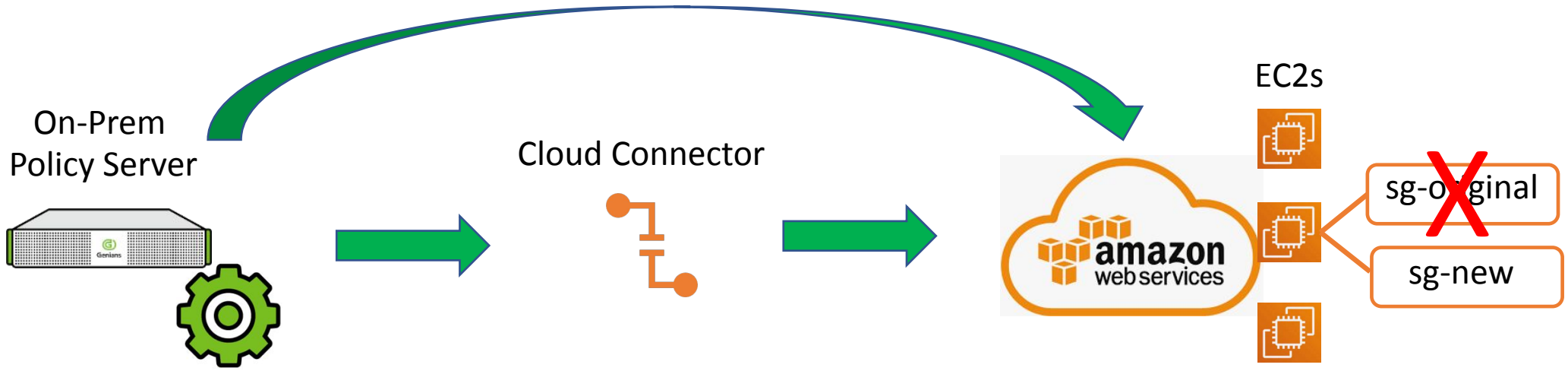


Cloud Connector Control Example 2

Step 1
Cloud Node Matches on Enforcement Policy

Step 2
Cloud Connector Issues CLI Command

Step 3
Instance Security Group Rules Modified to Restrict Access or Quarantine EC2

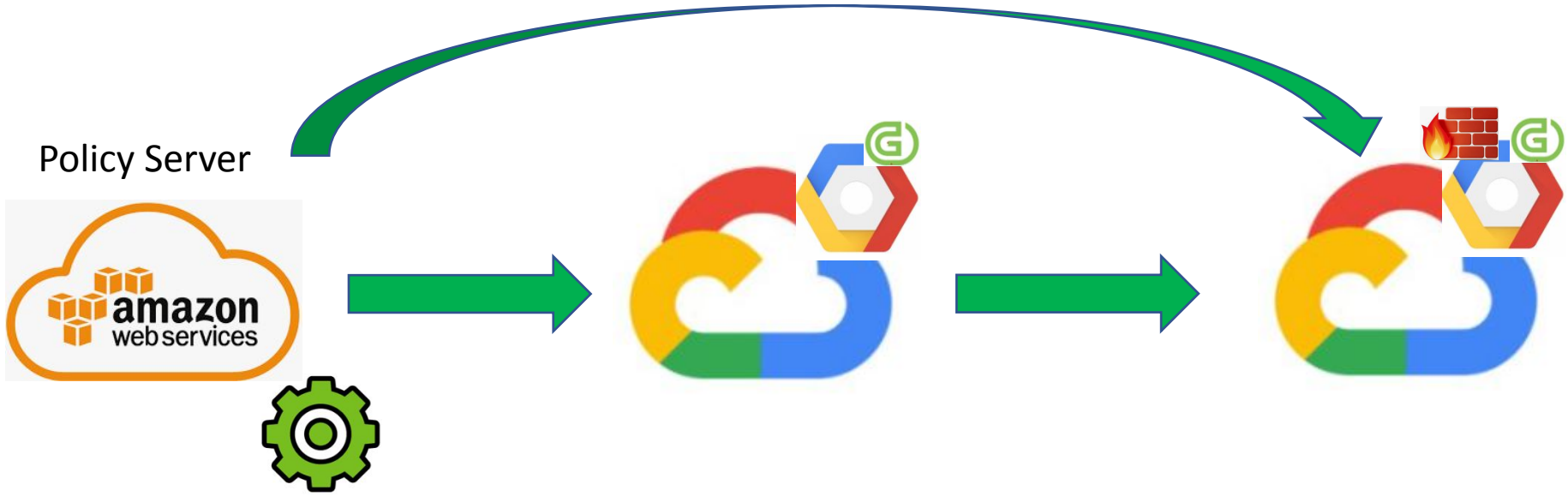


Agent Control Example

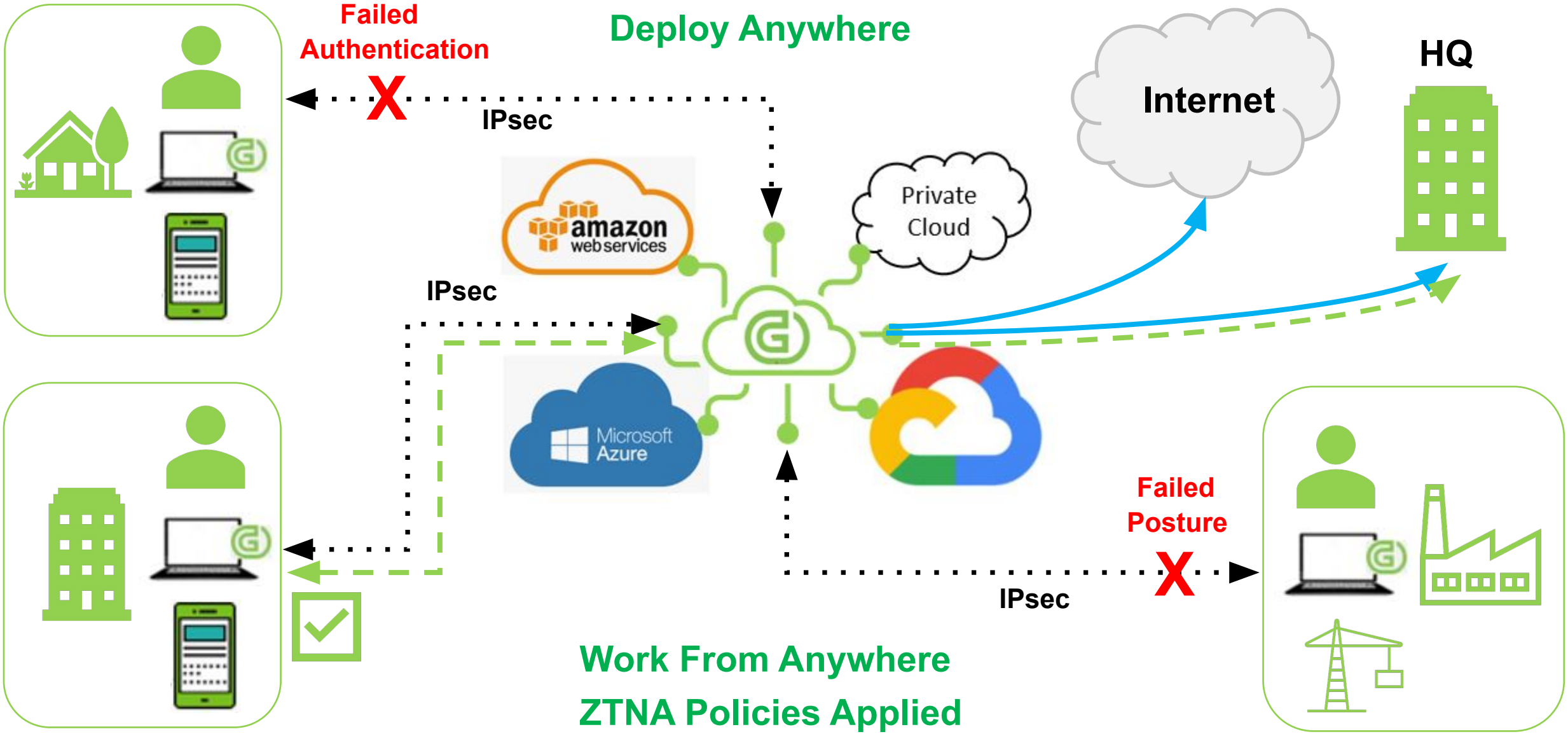
Step 1
Cloud Node Matches on Enforcement Policy

Step 2
Install Agent on Google Compute Instance

Step 3
Agent Modifies Firewall Rules to Restrict or Quarantine Instance



ZT-NAC Cloud Gateway



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