

Compliance Engine

Description

Compliance Engine (CE) provides automation to analyze and rectify your cloud infrastructure using the rules and actions you define. CE leverages CMDB to evaluate all infrastructure resources across all clouds. CMDB is used to gather cloud operations, identify risks, and take action — again, according to the policies and rules you define — to alert, mitigate, or remediate problems.

Key Features

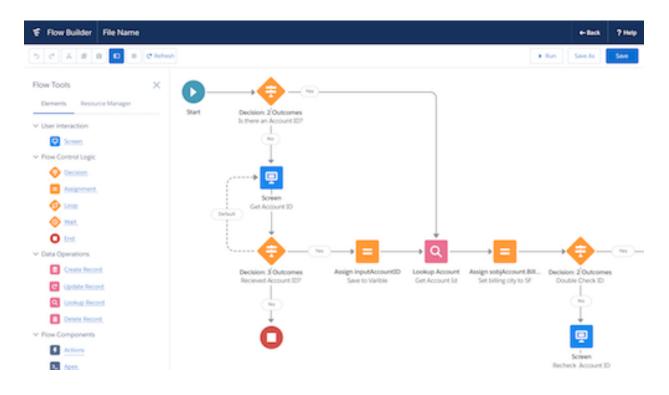
- Out-of-the-box CIS Benchmarks for AWS, Azure and GCP
- 450+ custom policies engineered for checking security, reliability, performance efficiency, and optimizing spendings
- Policies can make evaluations based on any data in CMDB
- Develop custom policies using standard programming language
- Advanced exception handling process
- Integrations with ticketing systems like JIRA, ServiceNow and ServiceDesk
- Violation routing and escalation workflows

Key Differentiators and Competitors

- Cloudaware Compliance Engine competes primarily with products like:
 - Cloudcheckr
 - CloudHealth
 - DivvyCloud
 - CloudConformity
- Key Differentiators
 - Compliance as a service. If the engine does not contain a compliance policy you need, we deliver it in 48 hours or less
 - Uses CMDB data to route violations to appropriate teams
 - Allows policy creation not just based on the data from a cloud provider but also based on customer imported and other CMDB data
 - Provides a programming language environment for users to develop their own custom policies
 - Requires minimal API calls to the cloud provider. This eliminates cost overhead and API throttling issues
 - The only Compliance Engine on the market that has exemption handling workflows

Violation Routing and Exemption Handling

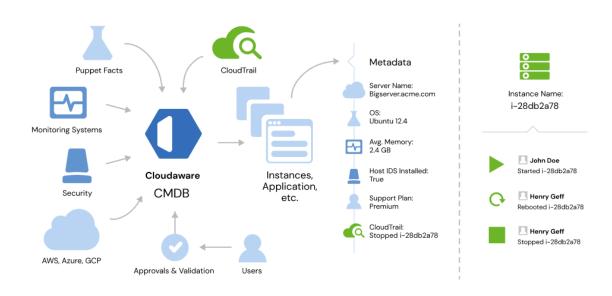
Security teams are overwhelmed with security violations and alerts. Current products on the market further exacerbate this problem by burdening security teams with yet more event data. Compliance Engine takes a different approach – violations are routed immediately to the responsible teams, account owners, account security contacts, etc.



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Non-Cloud Provider Data

Current solutions on the market can make compliance evaluations only based on the data returned from the cloud provider. Cloudaware makes the compliance engine based on its rich CMDB database containing not only data from the cloud but also from operating systems and over 100 other API integrations, such as Tenable and New Relic.



Because of enhanced CMDB data, it is possible to create policies that take into consideration installed software, presence of known security vulnerabilities or billing data to make compliance decisions.

POLICY MANAGEMENT	Q Search		OBJECT TYPE: NONE SELECTED ~ SEVERITY: NONE SELECTED ~			LABELS: NONE SELECTED ~				+ CREATE NEW POLIC	
POLICY LIST TEMPLATES LIBRARY	Policy Name	Object Type	Output Object Type	Severity	Labels	Updated On	Enable	d Scheduled, Every	Last Run On	Processed Objects	Status
CIS BENCHMARKS AWS FOUNDATIONS V1.2.0 AZURE FOUNDATIONS V1.0.0 AZURE FOUNDATIONS V1.1.0 GCP FOUNDATIONS V1.0.0	AWS Account Duplicate CloudTrail Global Service Events	AWS Account	CloudAware Policy Violation	Medium	managed aws cloudtrail security	Apr 20, 2022 6:08 AM PDT		4 Hours	Apr 26, 2022 2:03 AM PDT	29	•
	AWS Account Has No IAM Users	AWS Account	CloudAware Policy Violation	Medium	managed aws iam security hipaa-access-control	Apr 20, 2022 6:08 AM PDT	\checkmark	2 Hours	Apr 26, 2022 4:45 AM PDT	1	•
	AWS Account Without IAM Password Policy	AWS Account	CloudAware Policy Violation	High	managed aws iam security hipaa-access-control FFIEC I.c. 15 (b)	Apr 20, 2022 6:08 AM PDT	\checkmark	4 Hours	Apr 26, 2022 2:03 AM PDT	9	•
SETUP OUTPUT OBJECTS UTILITY CLASSES	AWS ACM Certificate Expired	AWS ACM Certificate	CloudAware Policy Violation	High	managed aws acm security operational hipaa-encryption ISO 27001 CC1.1	Apr 20, 2022 6:08 AM PDT	V	2 Hours	Apr 26, 2022 4:45 AM PDT		•
	AWS ACM Certificate Renewal (30 days before expiration)	AWS ACM Certificate	CloudAware Policy Violation	Medium	managed aws acm security	Apr 20, 2022 6:08 AM PDT	\checkmark	2 Hours	Apr 26, 2022 4:18 AM PDT	5	•
	AWS ACM Certificate Renewal (7 days before expiration)	AWS ACM Certificate	CloudAware Policy Violation	High	managed aws acm security	Apr 20, 2022 6:08 AM PDT		2 Hours	Apr 26, 2022 4:45 AM PDT	1	•
	AWS ACM Certificate Validity	AWS ACM Certificate	CloudAware Policy Violation	High	managed aws acm security operational hipaa-encryption ISO 27001 CC1.1	Apr 20, 2022 6:08 AM PDT		2 Hours	Apr 26, 2022 4:46 AM PDT		•
	AWS CloudFormation Stack Contains Sensitive Data	AWS CloudFormation Stack	CloudAware Policy Violation	High	managed aws cloudformation security	Apr 20, 2022 6:08 AM PDT		12 Hours	Apr 25, 2022 8:10 PM PDT	693	•

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Compliance As A Service

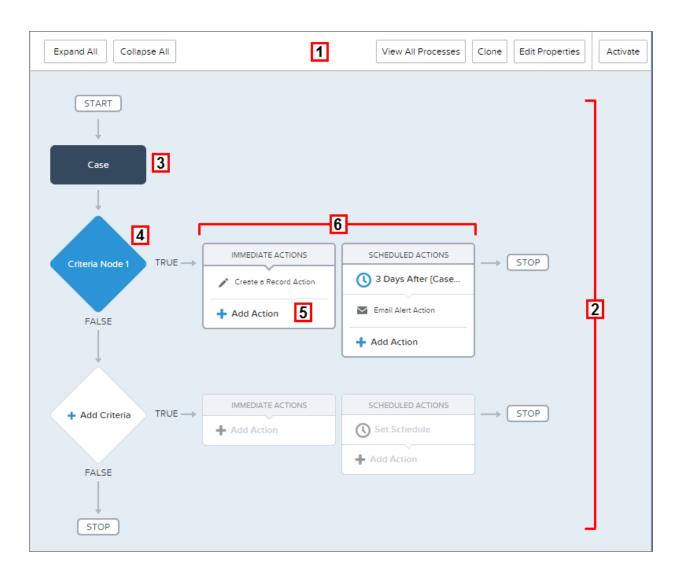
Users can request Cloudaware support to deliver any custom compliance policy in 48 hours or less. Additionally, users can develop their own policies by using open programming language based on Java.

CloudAware Policy AWS EBS Volume Idle								
DETAILS	Details		Code	Settings				
RELATED OBJECTS SECURITY	SAVE (🔂 DEPLOY CLASS	℃⊒ VALIDATE					
EDITOR								
CHANGE MANAGEMENT		m disabled cy is read-only. M	anaged by CloudAware.					
	<pre>// SObject final SObj // Output final SObj final Poli // How man final Inte global CaP super(bat } global voi // Lifecy</pre>	3 .updateField(CA10CaPolicyViolation_c.CA10accountc, 'account') 4 .updateField(CA10CaPolicyViolation_c.CA10awsAccountIdc, 'accountId') 5 .updateField(CA10CaPolicyViolation_c.CA10awsVolumeIdc, 'volumeId')						

Exemption Handling

Some buckets are meant to be public and some servers are meant to have sensitive ports open to the world. In order to maintain security without sacrificing functionality, compliance exemption handling is essential, especially for large organizations with 100+ cloud accounts where the number of violations can quickly climb into thousands, including false positives.

& cloudaware



Supported Compliance Engine Policies

The list of compliance policies is updated on a weekly basis. To view the complete list of policies, please start a free 30-day trial <u>here</u>.

Supported Ticketing Systems

Compliance Engine offers stateful ticketing integration, meaning it will not only open tickets when violations are opened but can update and close the tickets when it identifies that a violation has been resolved.

- Atlassian
- ServiceNow
- ServiceDesk

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Compliance Visualization

Cloudaware CMDB and Compliance Engine are built on top of powerful CRM Analytics from Salesforce. Customers can easily visualize compliance reports and remediation trends:



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