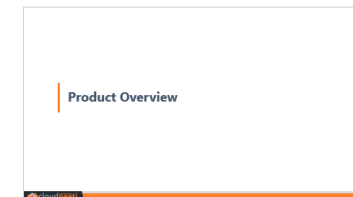# Product Capabilities

A Gartner recognized cloud security and compliance product company dedicated to identifying and eliminating cloud risks

May 2019
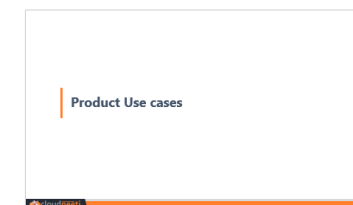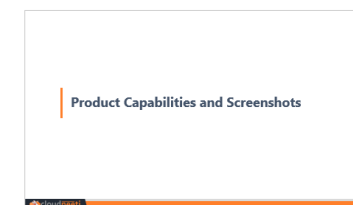
Agenda

01 **Overview**

Product Overview

02 **Use cases**

Product Use cases

03 **Capabilities**

Product Capabilities and Screenshots

Product Overview

Problem: Businesses are struggling with security and compliance impeding their public cloud adoption

Preventable cloud misconfigurations cause major data breaches

Source: *Various 2018 and 2019 data leak reports*

Fear of security mismanagement & mistakes delays cloud projects

Regulated projects delayed

Traditional tools don't work

Proving compliance is difficult

2018 Cloud Security Report, Cybersecurity Insiders ; Cloud Security Alliance top issues

91%

CISOs concerned with

Prevent breaches + **Assure Compliance**

Solution: A SaaS product that proactively identifies and eliminates cloud risks

Visibility

Of security and compliance posture for multi-cloud workloads

Enforcement

Of standards using various remediations techniques

Continuous Governance

By managing and adjusting security posture

80% reduction
Risk of security breaches
-Gartner

30% faster
Secure cloud adoption
- Customers

50% reduction
Time to compliance
- Audit partners

Gartner recommends Cloud Security Posture Management (CSPM) as a top 10 security initiatives for 2019
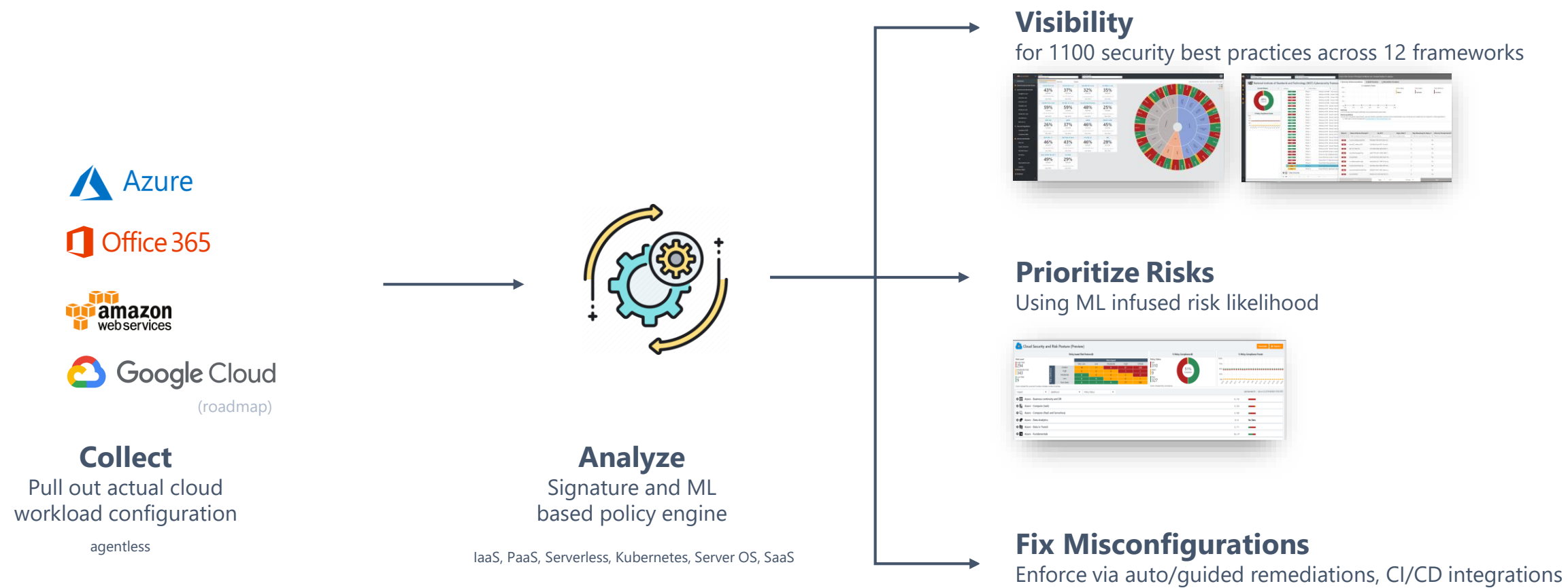
Gartner®

" Nearly all successful attacks on cloud services are the result of customer misconfiguration, mismanagement and mistakes.

Organizations implementing a CSPM offering and extending this into development will reduce cloud-related security incidents due to misconfiguration by **80%.** "

-Gartner, Innovation Insight for Cloud Security Posture Management, 25 January 2019
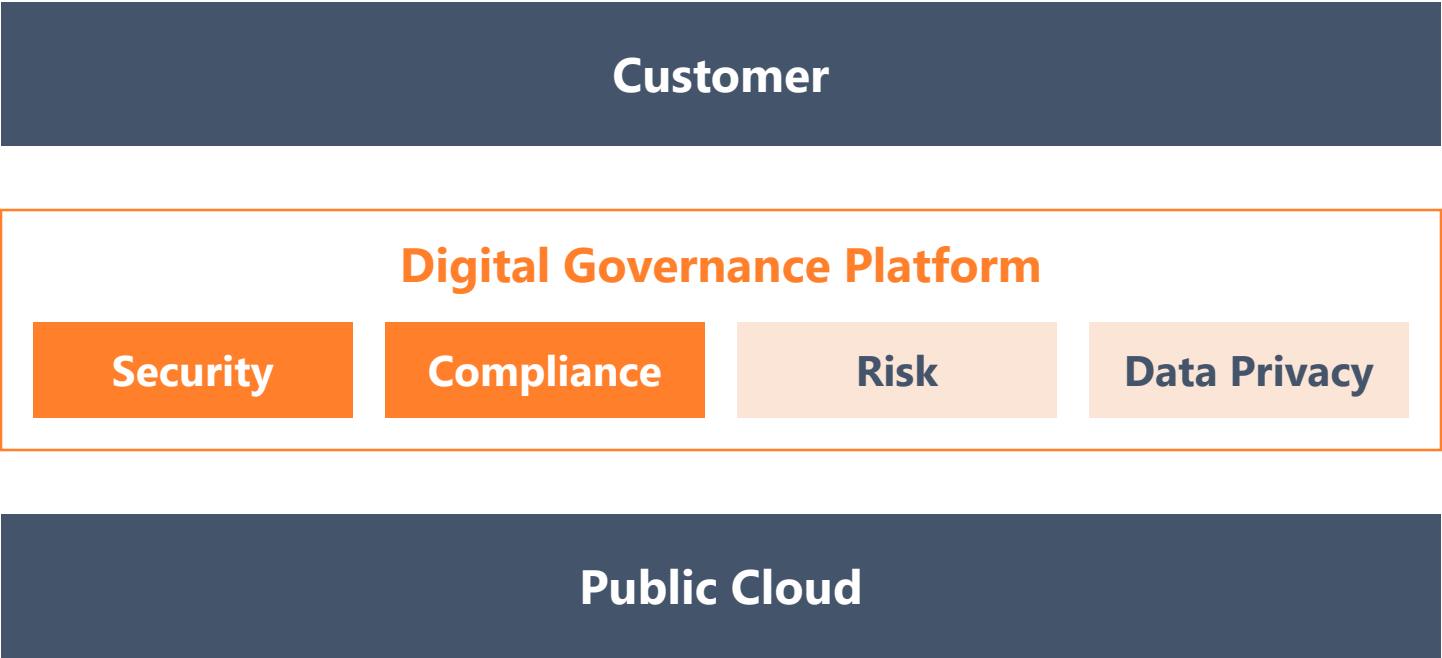
Product: Continuous cloud security and compliance assurance

Azure

Office 365

amazon
web services

Google Cloud
(roadmap)

Collect
Pull out actual cloud
workload configuration

agentless

Analyze
Signature and ML
based policy engine

IaaS, PaaS, Serverless, Kubernetes, Server OS, SaaS

Visibility
for 1100 security best practices across 12 frameworks

Prioritize Risks
Using ML infused risk likelihood

Fix Misconfigurations
Enforce via auto/guided remediations, CI/CD integrations

cloudneeti

Features: Enable proactive management of cloud risks

Single Sign-On

Visibility	Governance	Administration	Integrations
Security Posture	Security Policies	Users & Roles	Data Feeds
Compliance Posture	Compliance Frameworks	Cloud Accounts	Co-branding
Risk Posture Prioritization	Remediations (Auto, Guided)	Scan Frequency	Ticketing
Trends & Reports	OS Baselines	Notifications	CI / CD

Cloud Connectors

Azure	Office 365	AWS	Google (roadmap)

cloudneeti

Vision: The Digital Governance Platform for Security and Risk

Customer

Digital Governance Platform

| Security | Compliance | Risk | Data Privacy |

Built | Being built

Public Cloud

Coverage: Unprecedented breadth and depth of coverage

Breadth and Depth of Coverage

product roadmap

Cloud Services Providers — Azure — amazon web services — Google Cloud Platform

— **Cloud Services** — (IaaS) (PaaS) (Serverless) — (Containers)

— **Operating Systems** — Windows Server — Linux

Software as a Service — Microsoft 365 — salesforce — Microsoft Dynamics 365

Cloudneeti provides continuous assurance for multiple security and compliance standards

Security and Compliance Standards

Security

NIST National Institute of Standards and Technology
Cybersecurity Framework

CIS Center for Internet Security®

CSA cloud security alliance®

Compliance

NIST National Institute of Standards and Technology
800-53 r4 / FISMA

ISO 27001 International Organization for Standardization

PCi Data Security Standard V 3.2

HIPAA COMPLIANCE

AICPA SOC aicpa.org/soc4so

FFIEC

UK NCSC

Reserve Bank Of India

General Data Protection Regulation

GxP
Life Sciences

Cloudneeti is recognized by the cloud security professional community

Industry Recognitions & Certifications

Gartner

Recognized CSPM vendor

Innovation Insight for Cloud Security Posture Management – Neil MacDonald, 25 January 2019

CIS — **Certified by CIS**

A CIS Secure Suite product vendor and an author for many cloud benchmarks

https://www.cisecurity.org/partner/cloudneeti/

AICPA SOC — **SOC2 certified Organization**

Organizational controls attested by 3rd party AICPA auditor

Deep Cloud Service Provider Relationships

Microsoft

Validation engine for Azure Blueprints

Secure and compliant solutions to help organizations adopt cloud securely

https://aka.ms/azureblueprint

Microsoft For Startups

Microsoft Azure Certified

Microsoft Azure certified ISV and groomed by Microsoft for Startups

Azure for Healthcare
Azure for Financial Services
Azure Security Center

amazon web services | Partner Network

TECHNOLOGY PARTNER

An AWS Technology partner ISV

Product Use cases

Cloudneeti enables secure cloud adoption scenarios

Cloudneeti Focus Areas

Workload Configuration Security

IaaS, PaaS, Serverless, Database, Storage, Data analytics, Networking, Workload IAM settings, Kubernetes and more

Cloud Account Security

Root account settings, Account IAM settings, Monitoring profiles, Security center/hub configurations

Compliance Frameworks

12 Compliance Frameworks: e.g. PCI DSS, HIPAA, SOC2, ISO 27001, FFIEC CAT, NIST, GxP and more.

Customer Usage Scenarios

Cloud Migration & Continuous Operations

Advisory & Managed Services

Continuous Risk and Compliance Audits

Cloudneeti influenced DevSecOps

Customer Actions   Cloudneeti Output

Design	Implement (Develop & Test)	Operate

Application Security   **Security Validations**

Blueprints & Security Architecture

CI/CD: Secure Infrastructure as Code
(CFT, ARM, Terraform, PowerShell, Ansible…)

Cloud Ops
Monitor, React, Assign, Incidents

Guided remediation   **Cloudneeti CD task** (roadmap)

Assessments

Risk prioritization

Security best practices   **Security best practices**   **CI/CD API**   **Auto remediation**   **ITSM Tickets**

Compliance control reports   **Continuous monitoring**

Cloudneeti – Continuous Assurance Platform

Product Capabilities and Screenshots

SSO Authentication: Cloudneeti uses SSO to authenticate with Customer's preferred Identity Provider

Cloudneeti does not manage Users and Passwords. Instead allows for SSO (Single Sign On) with Microsoft Azure AD, Office 365, Microsoft Accounts (Outlook, Hotmail, Live)

Office 365 Tenant

Azure Active Directory

Sync

On-Premises Active Directory

Microsoft Account
(Outlook, Live, Hotmail)

Cloudneeti secures workloads across multiple cloud providers

cloudneeti

Customer Contract

License 1
Cloud Accounts

Azure Subscriptions — Azure

AWS Accounts — amazon web services

Office 365 Subscriptions — Office 365

GCP Projects
(roadmap) — Google Cloud Platform

License 2
Cloud Accounts

Azure Subscriptions — Azure

AWS Accounts — amazon web services

Office 365 Subscriptions — Office 365

GCP Projects
(roadmap) — Google Cloud Platform

License .. N
Cloud Accounts

Azure Subscriptions — Azure

AWS Accounts — amazon web services

Office 365 Subscriptions — Office 365

GCP Projects
(roadmap) — Google Cloud Platform

Note: Cloud Account means an Azure/O365/AWS/GCP cloud provider subscription/account/project.

Ticketing: Incident Management

Organization need tickets to raised automatically for any deviations from baseline security posture.

Cloudneeti supports IT integration with enterprise level Ticketing/Incident Management system.

Notifications support available for tickets raised.

Cloudneeti supports for customization such as classification, prioritization (High/Medium/Low) of Tickets.

Ticketing System supported include ZenDesk and ServiceNow.
Future support planned for Jira and Azure DevOps

Supported

zendesk   servicenow

Planned

JIRA   Azure DevOps

Data Feeds: Reporting Data Feeds

Organization create customized dashboard/reports for Security and Compliance requirement for different personas as per their business mandates.

Cloudneeti supports integration with your organization reporting platforms such as Tableau/Power BI/Qlikview using Data Feed for security & compliance data.

Data Feed Repository supported include Storage Accounts & Cosmos DB

Customization available for Data Feed Frequency are Daily, Weekly or Monthly

Notification supported for Cloudneeti notifies License Admin for any connection while Data Feed.

Data Feed format is JSON

Supported

Blob Storage

Azure Cosmos DB storage

Planned

amazon S3

Integrations: Auditing Logs Data Feeds

Organization need to provide data of system & user activities for compliance.

Cloudneeti support audit logging to provide records of system & user activities for compliance.

Cloudneeti support data feed for audit to Organization own repositories such as Storage Account and Cosmos DB.

Auditing is always on by default and can be viewed on Cloudneeti Portal

Full text Search is available on Audit logs.

An audit log has a default list view that shows:

- The activity description

- The target Contract Name

- The target Account Name

- The date and time of the occurrence

- The initiator / actor (*who*) of an activity

- The activity (*what*)

Policy Exceptions: Allowances to tune Organizational policies

Organization can customize the available policies from Cloudneeti as per their needs. Depending on the Cloud resources deployed, enterprises can apply the relevant policies for organizational InfoSec governance among the hundreds of policies available.

Cloudneeti supports policies configuration/ exception at License level as the top level.

Next level of policy exception support is available at Cloud Account level.

Policies excluded at the License level will be automatically excluded at the Account Level.

Global Exclusions

Account Exclusions

Cloudneeti Best Practices (All Policies)

License Policies

Account Policies

Full List   **License**   **Cloud Account**

Reports: 1-click downloadable reports for Security & Compliance Posture

Notifications: Configurable Email notifications to alert on positively and negatively impacting changes

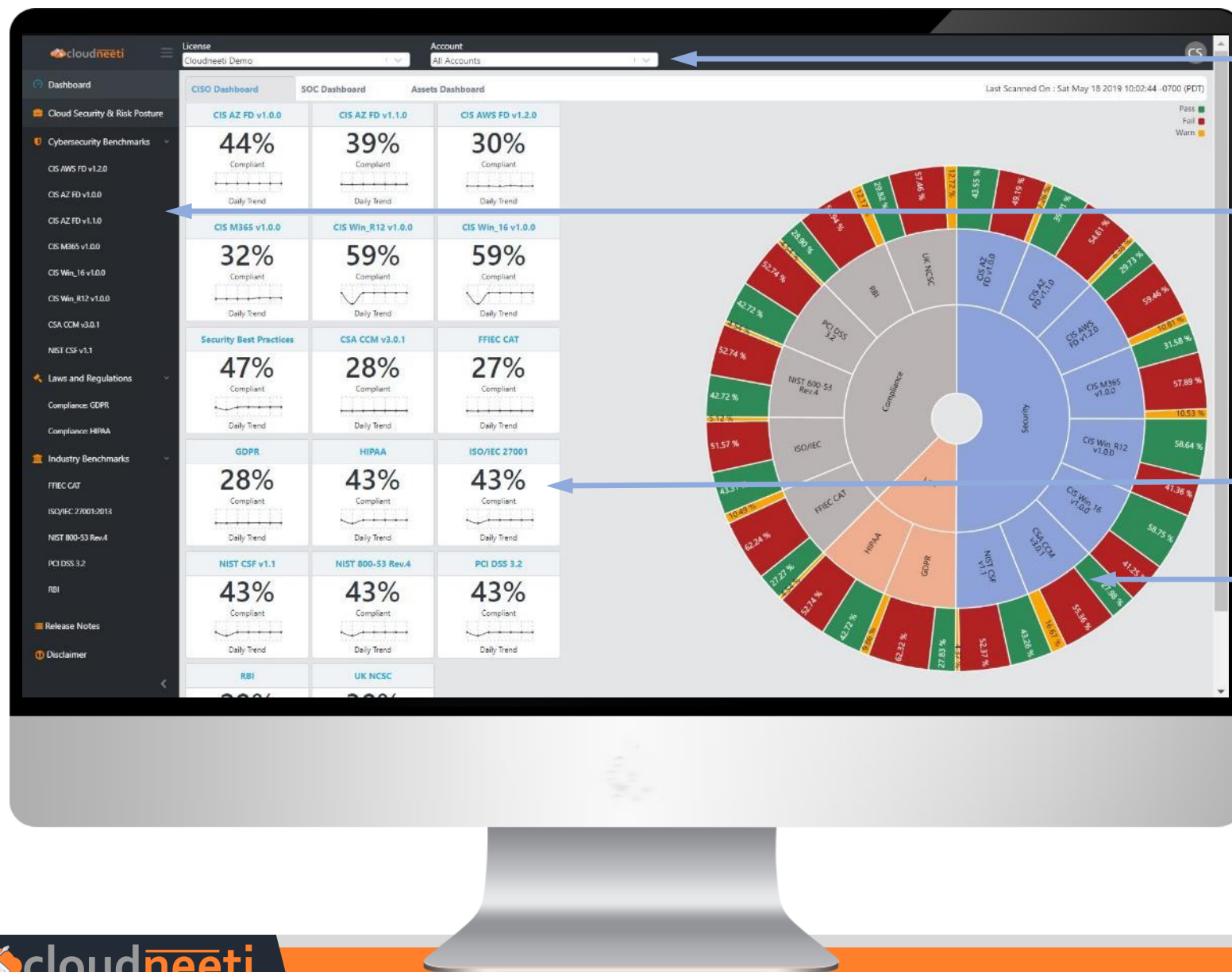Notifications allow customers to monitor and react to security posture changes

Use cases across the Enterprise
Transform entire Digital Risk Management Solutions Stack with Visibility, Enforcements and Ongoing Governance

Single console across security organizations

App Dev & Ops	InfoSec	Compliance	Privacy	Risk

Continuous Cloud Assurance

App Dev & Ops	InfoSec	Compliance	Privacy	Risk
• CI/CD • Remediation guidance	• Best practices • Multi-cloud Security Posture • Enforcement mechanisms	1-click reporting across 12+ Compliance frameworks	• Data classification • Data protection • Access control assurance	Digital risk (Cloud workloads) • Visibility • Prioritization matrix (impact vs likelihood)

Dashboards displays cloud security and compliance posture

Dashboard view is available across all/ individual cloud accounts. License is a way to aggregate monitoring and analysis at a group of cloud accounts.

Security Benchmarks:
CIS, NIST CSF, SOC2, CSA CCM;
Laws and Regulations:
GDPR, HIPAA;
Industry Benchmarks:
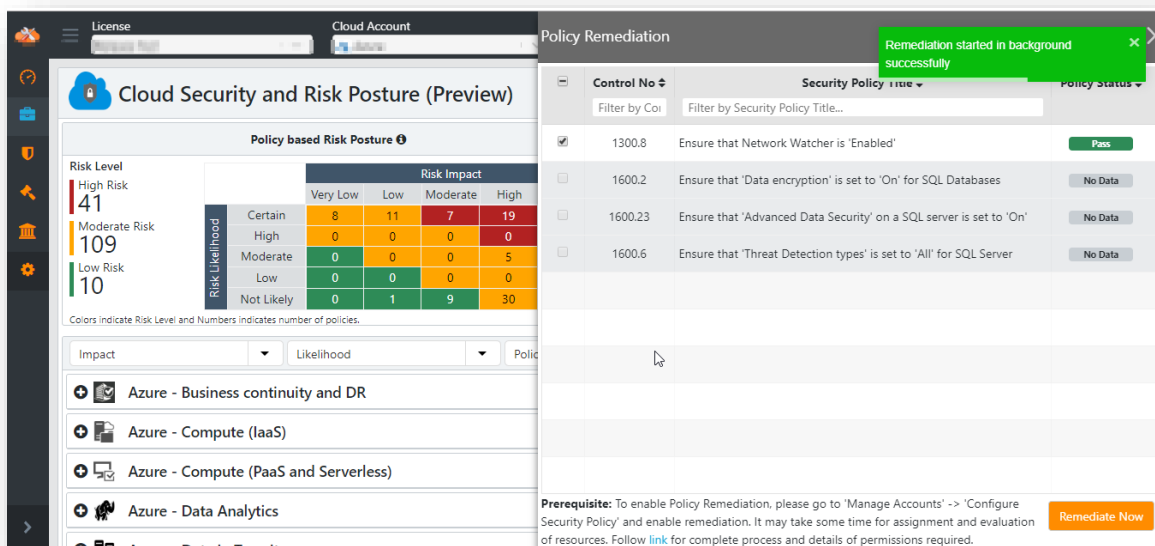FFIEC, ISO 27001, NIST 800-53r4, PCI DSS, RBI, UK NCSC;

Aggregated security and compliance score across all cloud accounts

Sunburst view across 12 out of the box laws, compliance frameworks and security benchmarks
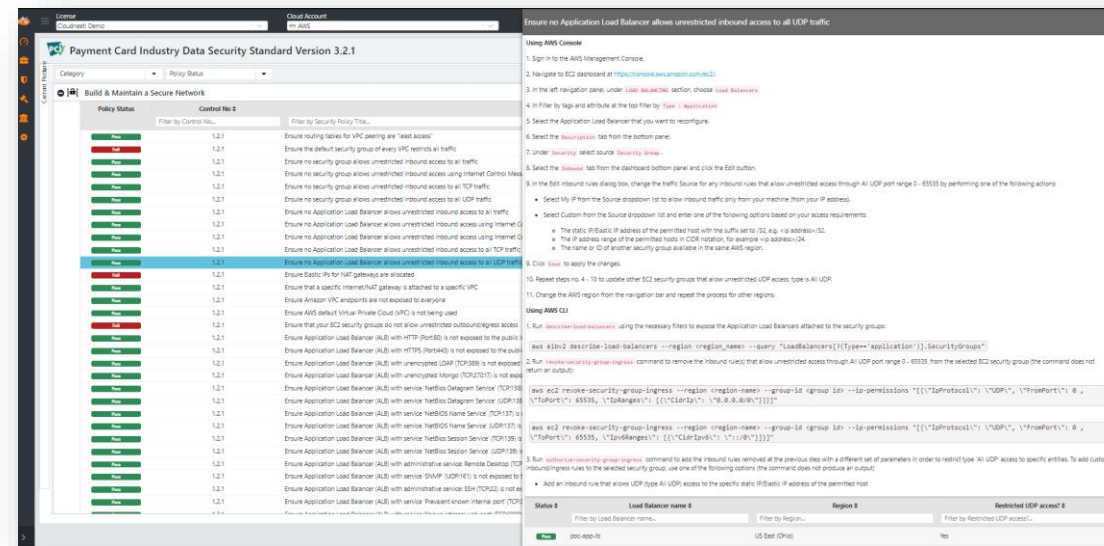
Remediations: Automated and Guided remediations

1-click auto remediations
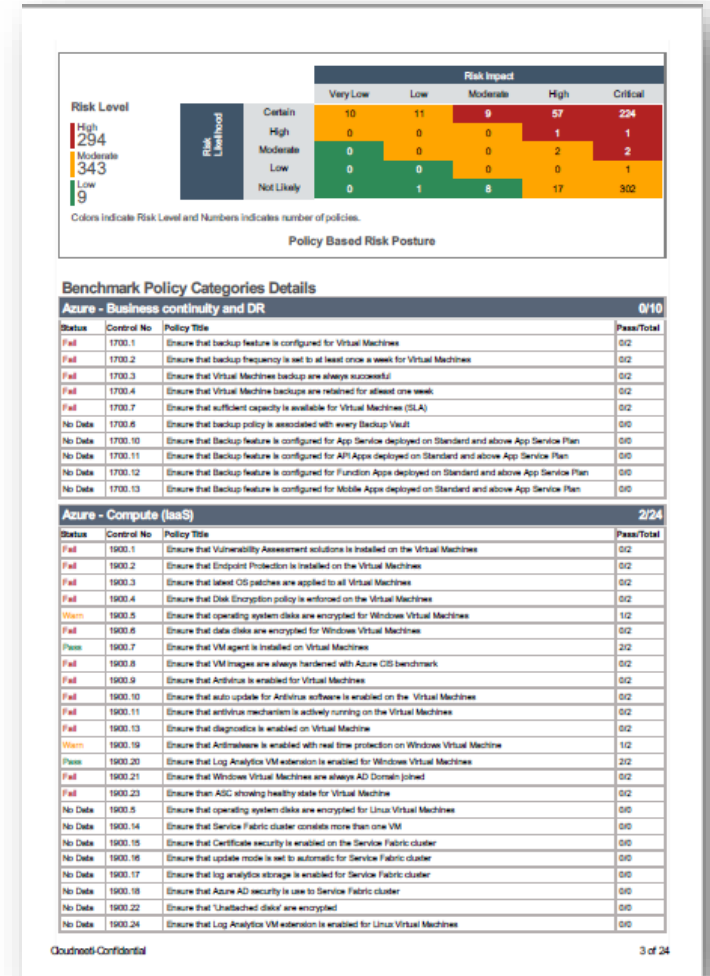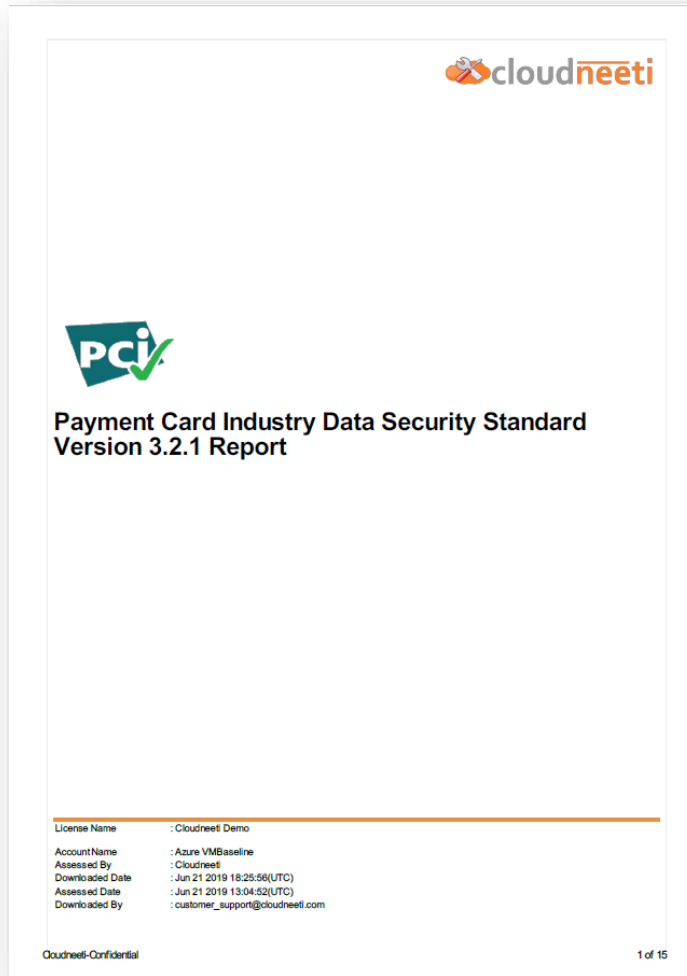for key Azure and AWS security configurations
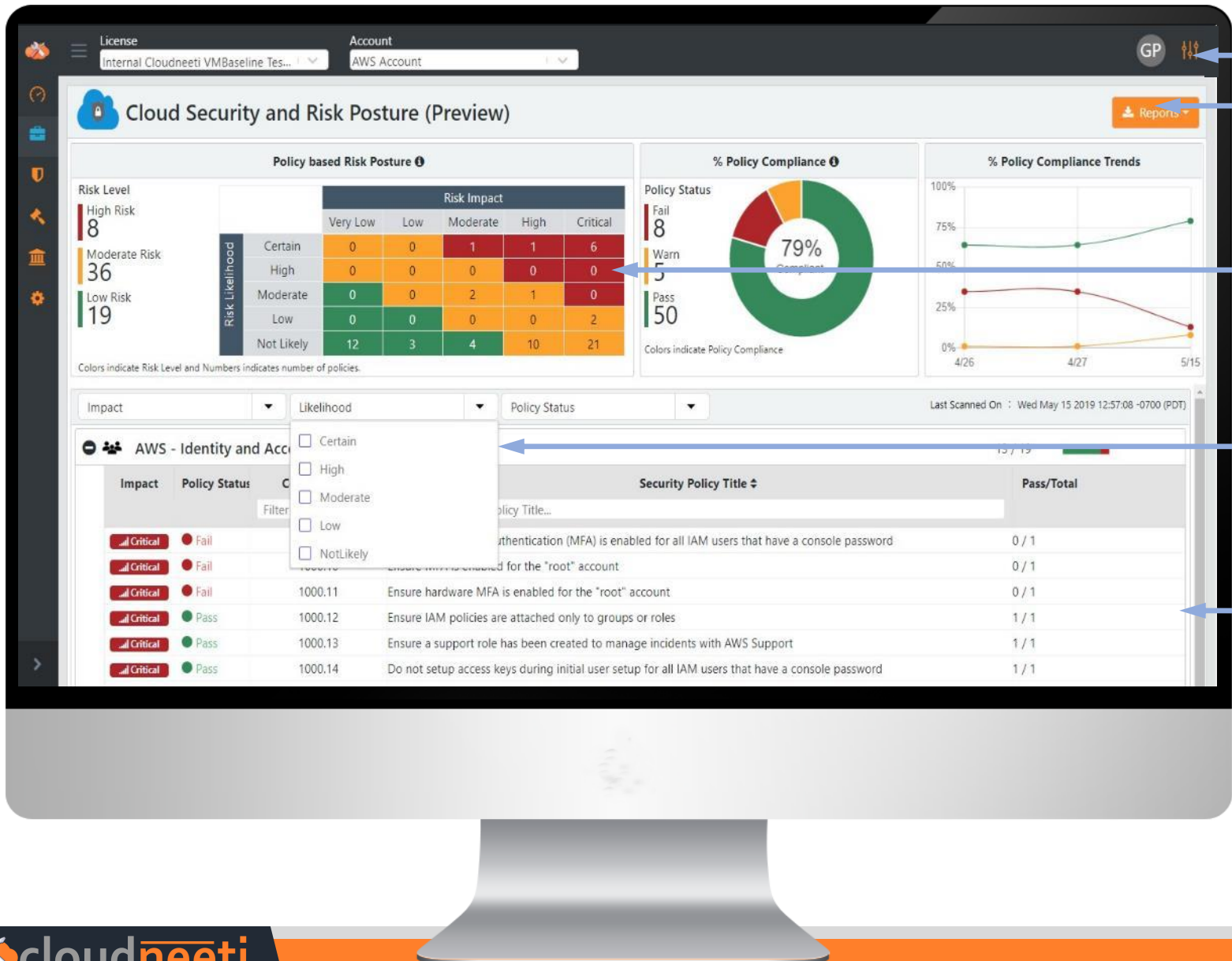

Guided remediations
for all Azure and AWS security configurations

Compliance:
1-click downloadable reports for 12+ Security & Compliance Frameworks

Security Posture infused with Risk prioritization allows integrated decision making
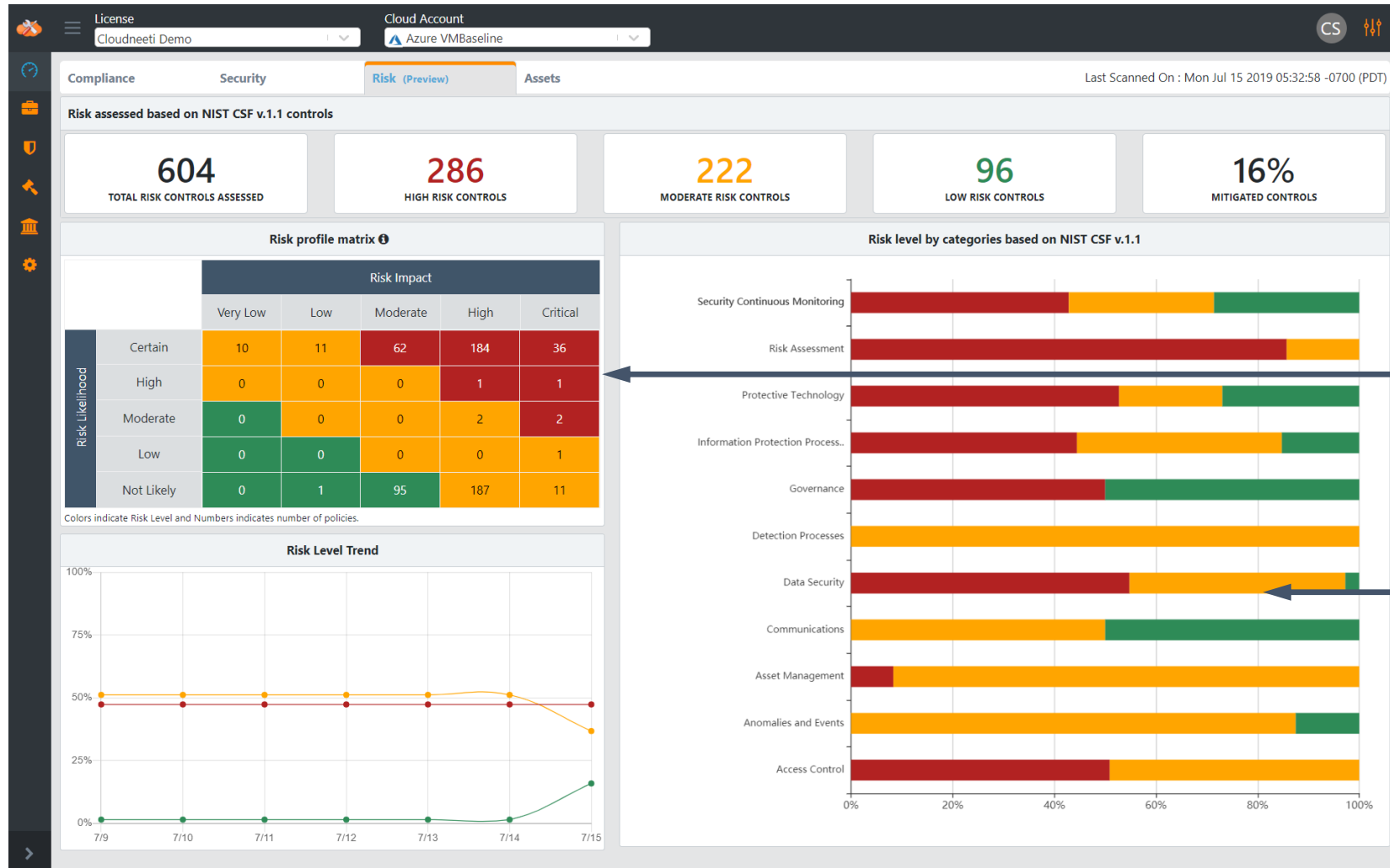
User can request a rescan on demand

User can generate a PDF report with compliance evidence for auditors

ISO27005/ENISA based Risk Posture dashboard categorizes all misconfigurations by Risk Impact and by Risk Likelihood (rule based Machine Learning). Companies can use this for prioritization of remediations and digital risk management

Filters can be applied to quickly list down policies by impact, likelihood and policy status

Report shows compliance status at an individual security policy level. It displays control number, policy title and number of compliant resources (pass) out of total

Risk: Dashboard provides visibility and prioritization

ISO27005/ENISA based Risk Posture dashboard categorizes all misconfigurations by Risk Impact and by Risk Likelihood (rule based Machine Learning). Companies can use this for prioritization of remediations and digital risk management

Continuous Assessment using NIST CSF domain categories

SOC Dashboard displays security posture for asset categories

Shows security posture for asset categories

Shows high-level trends over time

Contact Us

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