

Runcast

RUNECast ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform



Value-Added Distributor
OTD BİLİŞİM
www.onlineteknikdestek.com

İÇİNDEKİLER

» Optimize and Secure Your Hybrid Cloud	3
» You Can Save Up To 90% Time With Runecast	4
» Runecast by Numbers	5
» How Runecast Works?	6
» Features of Runecast	7
» Supported Platforms	8
» Why Do I Need Runecast?	9
» Full Operational Transparency Why Runecast in 4 Steps?	10
» Security Compliance and Risk Mitigation Why Runecast in 4 Steps?	11
» Best Practice Audits Why Runecast in 4 Steps?	12
» VSphere HCL Version Upgrade Why Runecast in 4 Steps?	13
» SDDC Control Your SDDC - Watch Demos	14
» Security Compliance for AWS, Azure, Kubernetes and VMware	15
» Save Time By Automating Your VMware Log Analysis	16
» Increase vSphere Availability	17
» Automatic VMware Hardware Compatibility Checks	18
» Proactive Best Practices Analysis 01	19
» Proactive Best Practices Analysis 02	20
» Runecast Benefits	21
» Optimize and Secure Your AWS Cloud	22
» Optimize and Secure Your Microsoft Azure Cloud	23
» Optimize and Secure Your Kubernetes Workloads	24
» Optimize and Secure Your VMware SDDC	25
» Runecast Analyzer 5.1.0.0 Offers Config Vault and Fix	26
» Follow Our OTD Blog For Updates	27



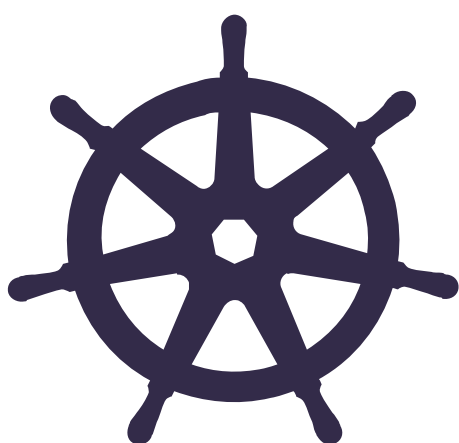



Optimize and Secure Your Hybrid Cloud

Reduce configuration issues and security risks with a single platform for real-time automated AWS, Azure, Kubernetes, and VMware insights:

Runecast Analyzer.

“**RUNECAST ANALYZER**
“Your Smart Expert Assistant”
 Smart Assistant Optimizing
 and Protecting Your
 VMware Platform

Troubleshooting

It scans configuration and logs for known issues, security standards compliance, Hardware Compatibility Lists, and Best Practices (e.g. AWS, Azure, Kubernetes, VMware, and SAP HANA on both Pure Storage and vSphere). Kubernetes and VMware infrastructure. Validate ESXi hosts against HCL, covering hardware, BIOS, drivers, and firmware for your current versions, and plan for your future. Keep all historical data on the device to pinpoint trends and configuration deviations without leaving any data out of your control.

Security Compliance

Audits for custom profiles your internal audit needs, as well as security vulnerabilities related to vendor guidelines, BSI IT-Grundschutz, CIS CSC, Cyber Essentials, DISA STIG, Essential 8, GDPR, HIPAA, ISO 27001, NIST, PCI-DSS, VMware Security Configuration Guide, etc. It provides the matching of technical controls and security controls and requirements, detailed historical data and options for automatic remediation.

RUNECast ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform

You Can Save Up To 90% Time with Runecast

You can spend less time troubleshooting and more time innovating.



Runecast adds operational visibility and transparency to the VMware infrastructures where your critical IT / OT business applications run.

Continuous

- Observation
- Audit
- Periodic Health Check
- Subjecting to Audit
- Reporting Opportunity

For All Industries Using VMware Infrastructure

It is a recommended product for all industries using VMware infrastructure. It adds operational visibility and transparency to the VMware infrastructures where your critical IT / OT business applications run. You have the opportunity to continuously monitor, audit, periodic health check, audit and report your critical VMware platform, which you operate as a VMware expert or outsource without having a VMware expert, regardless of its size. In your critical infrastructure, it works like your digital smart expert assistant in your own business, specific to VMware, without affecting any service, and is licensed according to the number of CPUs. With Audit licensing (Security Assessment – Health Check) or annual license rental model for your own business or customer, you can manage your central or dispersed VMware DataCenter infrastructure from a single platform with the Enterprise Console, and you can conduct your situation analysis continuously in real time. With SPP (Service Provider Program) modeling, you can offer Runecast solutions as a service to your own group companies or external customers.

RUNECAST IN NUMBERS



RUNECAST ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform

RUNECAST, VMWARE & AWS HYBRID ADDING VALUE AND STABILITY TO CLOUD

Runecast Analyzer helps teams balance availability and ensure security compliance.

FULL VISIBILITY ON YOUR HYBRID CLOUD

Runecast Analyzer helps teams transition to hybrid and multicloud environments more easily. It works securely in your infrastructure, providing insights into what's going on both in the cloud and in the field. Automate the reporting of support tickets with our ServiceNow integration!

99%

Reduce 99% of the
proactively known issues

85%

Reduce 85% of the
downtime.

98%

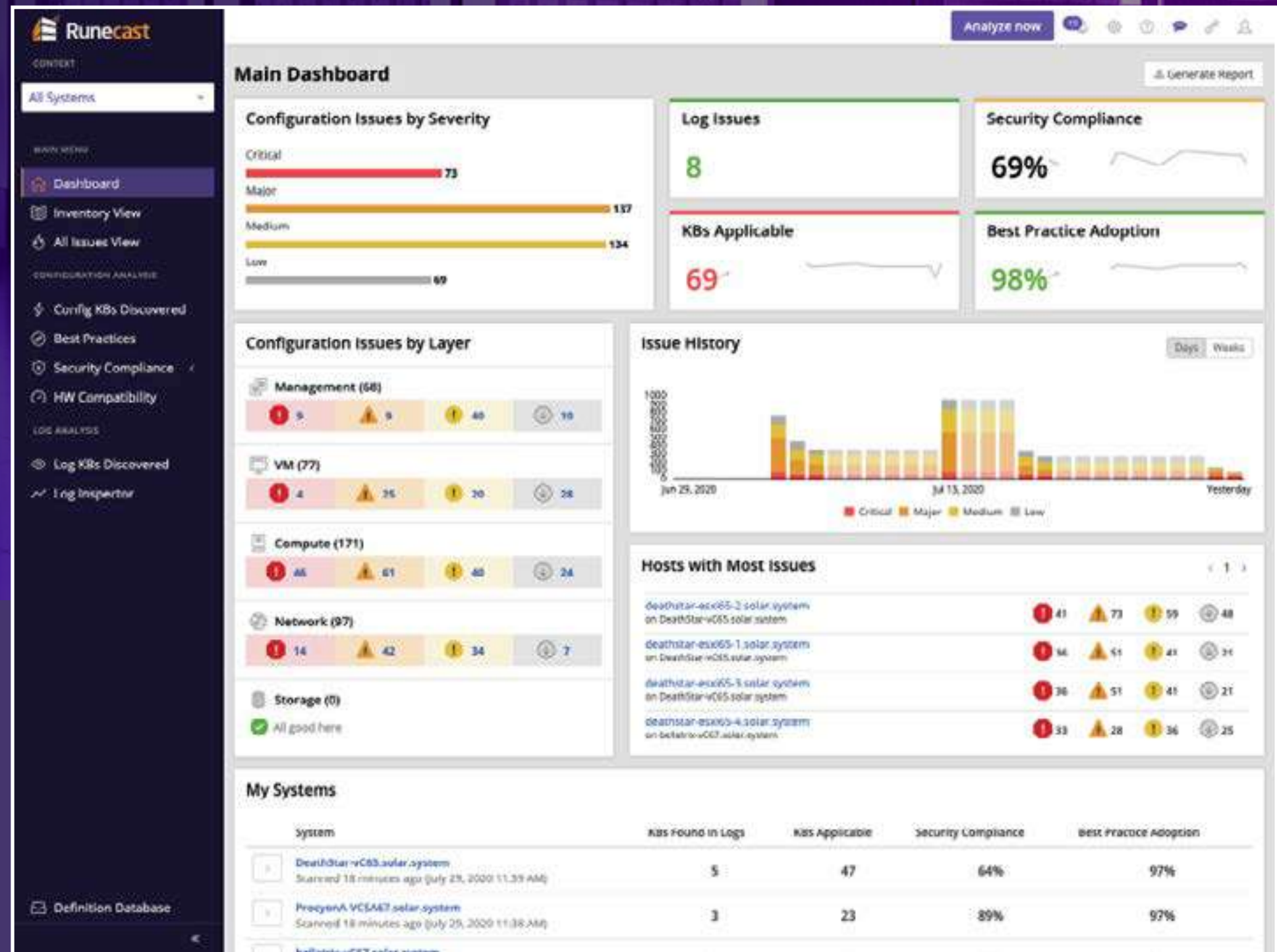
Find issues 98% faster
(3x productivity)

95%

Automate 95% of security
compliance checks.

How to operate?

RUNECAST ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform



Connect all your vCenters and AWS API to one lightweight Runecast Analyzer virtual appliance and **take control from a single dashboard.**

The Runecast Analyzer engine has fully offline capabilities and can **even be upgraded in offline mode.**

The patented rules engine uses Artificial Intelligence (AI) and Natural Language Processing (NLP) to automatically discover misconfigurations in your environment that could cause failed security checks or trigger outages.



RUNECAST ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform

Features

- ✓ Gain real-time operational and security insights.
- ✓ Monitor your hybrid cloud, secure it and troubleshoot.
- ✓ See the future and detailed history with upgrade simulations.
- ✓ Easy OVA deployment - up and running in minutes.
- ✓ Offline storage limits that expose internal storage on the web.
- ✓ It is regularly updated as soon as new issues or standards are released.

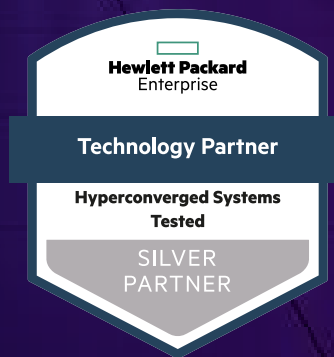
aws



vmware®

Supported Platforms

RUNECast ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform



**ADDS VALUE AND
STABILITY TO
RUNECast VMWARE
& AWS HYBRID
CLOUD AND GET
FULL VISIBILITY ON
YOUR HYBRID
CLOUD.**

Runecast Analyzer helps
teams balance availability and
ensure security compliance.

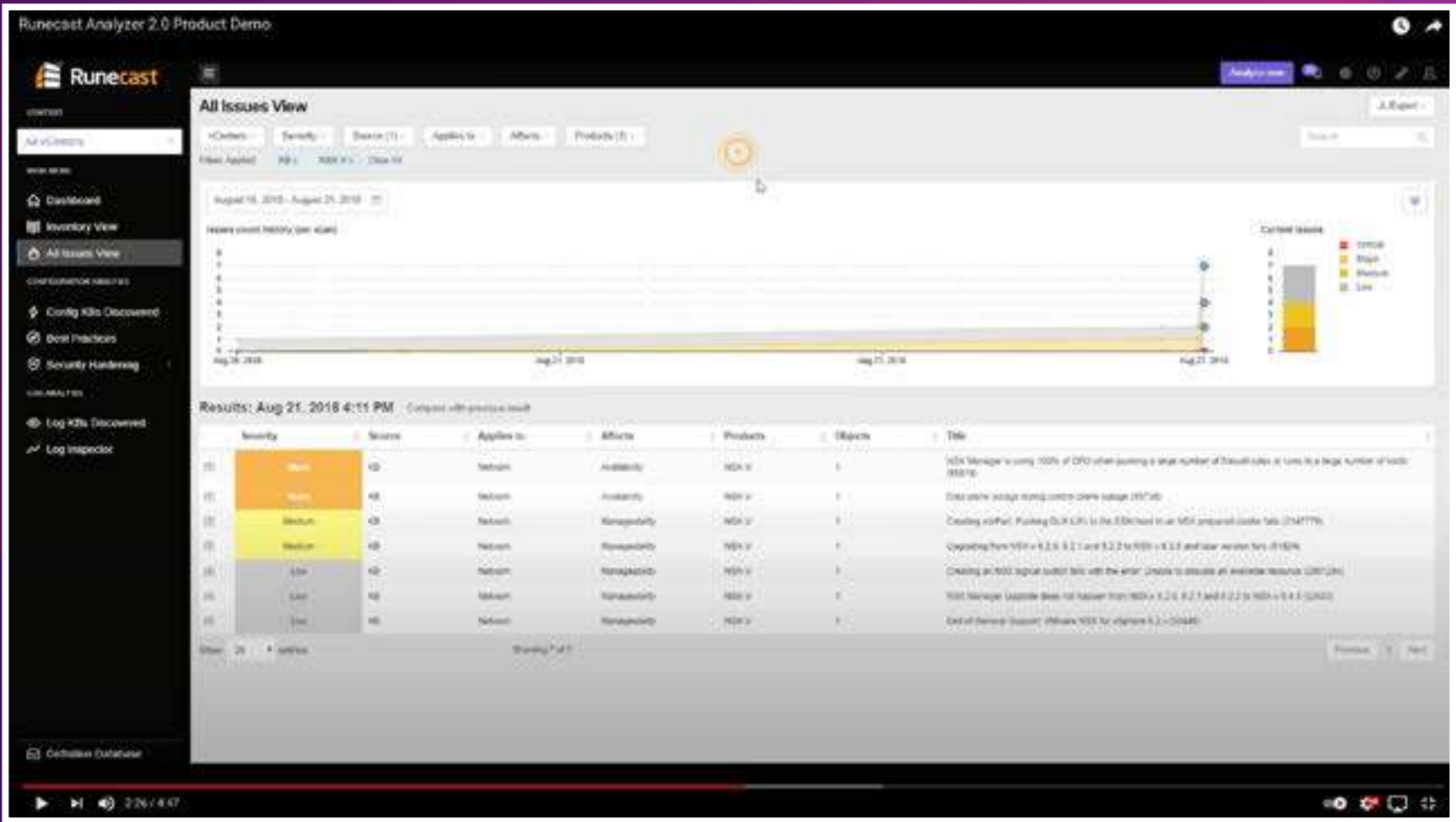
Users generally reports
invest revenue from the first
scanning.

- VMware vSphere, vSAN, NSX-T, NSX-V, Horizon
- VMware Cloud on AWS
- AWS Cloud
- Kubernetes
- SAP HANA (on Vsphere)
- PURESTORAGE (on Vsphere)
- NUTANIX (on Vsphere)
- Azure



Why Do I Need It?

TIME IS VALUABLE



RUNECAST ANALYZER
"Your Smart Expert Assistant"
 Smart Assistant Optimizing
 and Protecting Your
 VMware Platform

[Watch Video](#)

90% of VMware SDDC infrastructure problems are caused by known issues, 10% of them are bugs at the manufacturer kernel level, improvement usually takes hours of Google research, 50000+ VMware Knowledge Base articles, Best Practices, Security Hardening Guides can be achieved through research and analysis. You can get help to solve the problem by opening a case to the manufacturer. This great wealth of information is the methods we use reactively only after problems occur, which can take a lot of your time. Why not proactively apply these vast resources? Time is valuable.

Save time.

Spend less time on troubleshooting

Spend more time on innovation.

01

In 4 Steps Why Runecast?

01 Full Operational Transparency

Security Compliance and Risk Mitigation

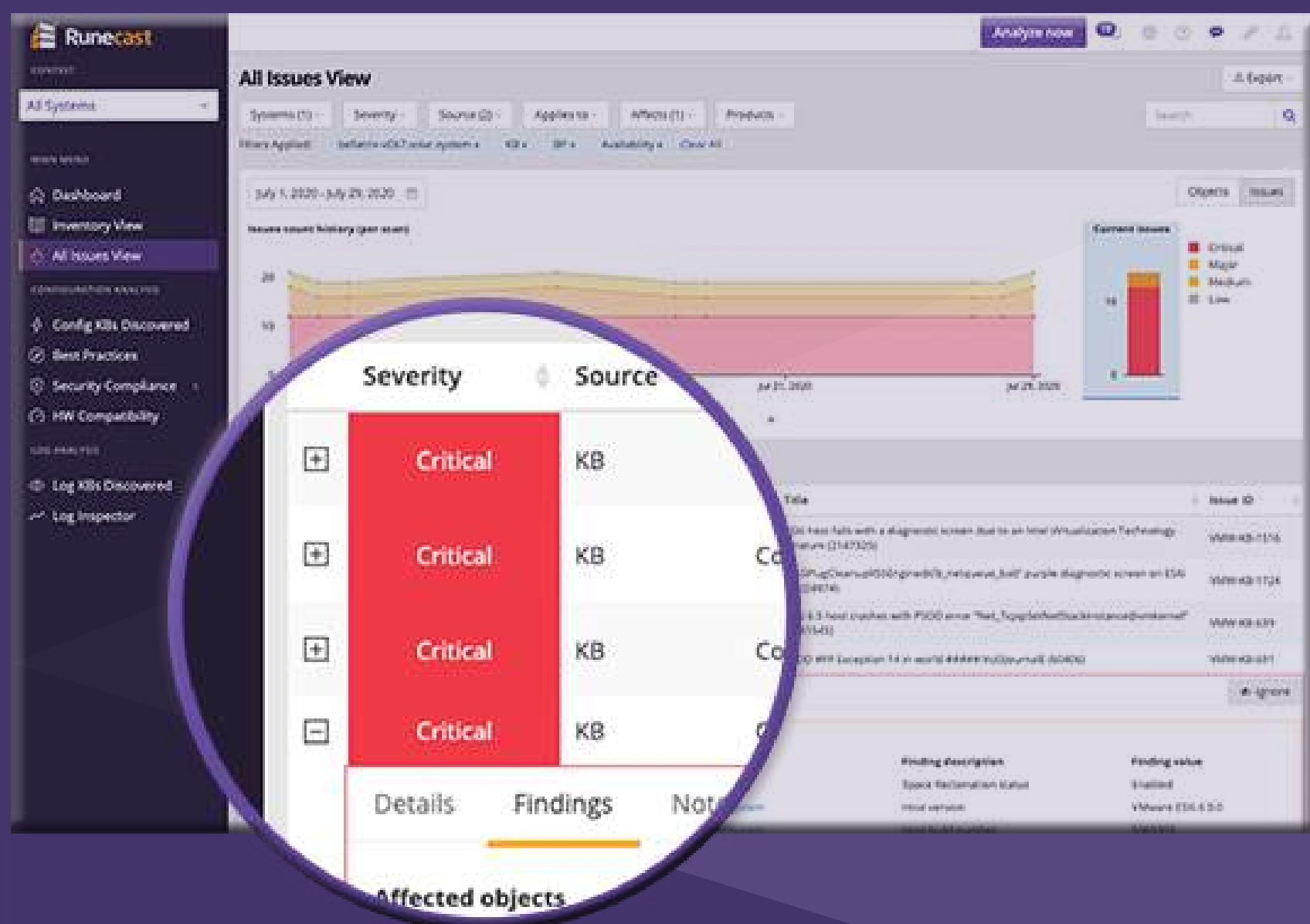
Best Practice for VMware Continuity of
Operations Controls

VSphere HCL Upgrade Simulator

“Your Smart Expert Assistant”
Smart Assistant Optimizing
and Protecting Your
VMware Platform

FULL OPERATIONAL TRANSPARENCY

By scanning and
analyzing your VMware
infrastructure in your
own environment
or outsourced with
Runecast, you begin to
see invisible events.



vmware®



In 4 Steps Why Runecast?

02 Security Compliance and Risk Mitigation

VSphere HCL Upgrade Simulator

Smart Assistant Optimizing and Protecting Your VMware Platform



03

In 4 Steps Why Runecast?

Full Operational Transparency

Security Compliance and Risk Mitigation

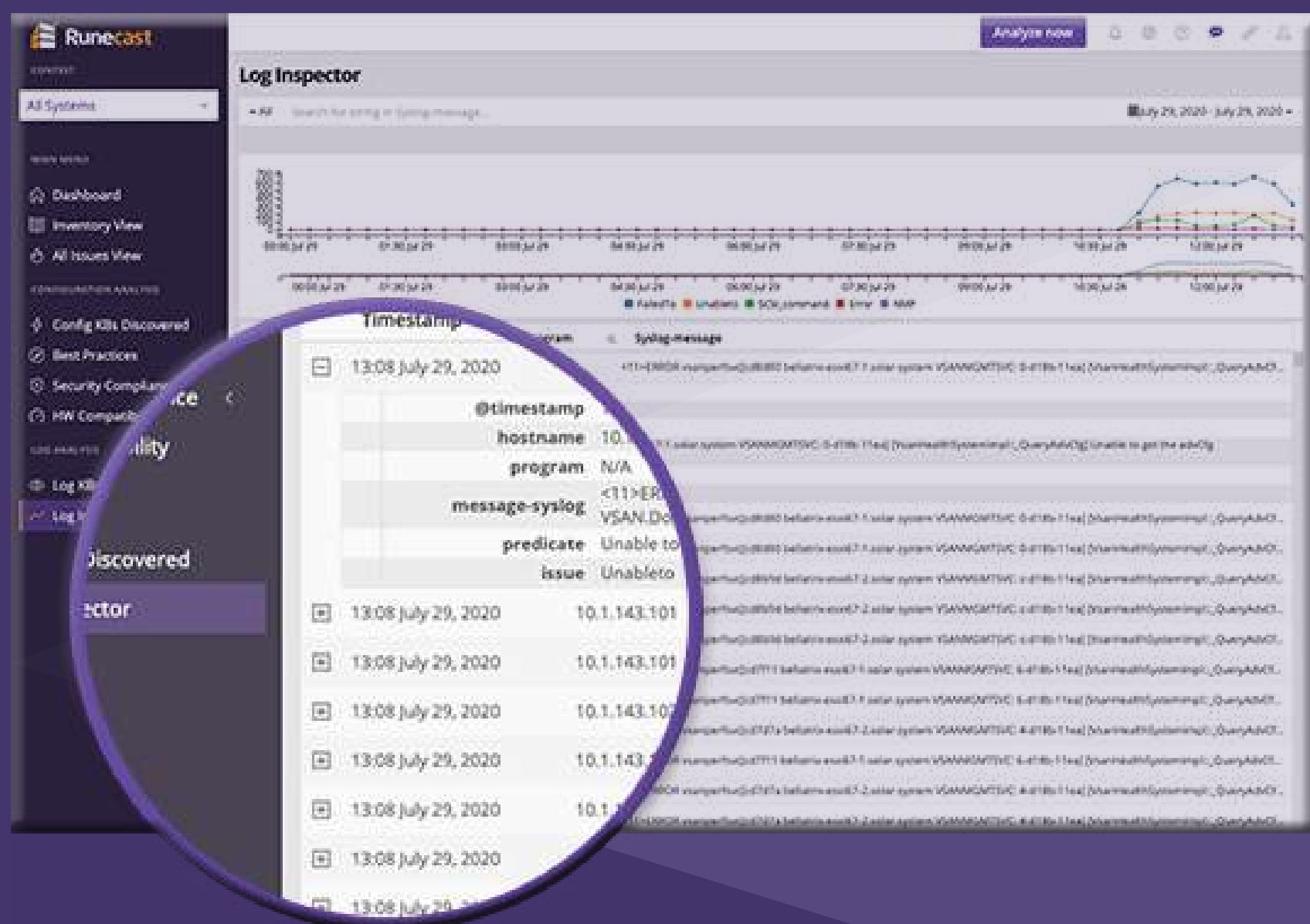
03 Best Practice for VMware Continuity of
Operations Controls

VSphere HCL Upgrade Simulator

“Your Smart Expert Assistant”
Smart Assistant Optimizing
and Protecting Your
VMware Platform

BEST PRACTICE AUDITS FOR VMWARE OPERATIONAL CONTINUITY

From a single control
panel, VMware
(vSphere, vSAN, NSX-V
NSX-T, and Horizon)
automates Best Practice
controls
for AWS, Kubernetes,
SAP HANA (in vSphere),
and Pure Storage (in
vSphere).



vmware®

04

In 4 Steps Why Runecast?

Full Operational Transparency

Security Compliance and Risk Mitigation

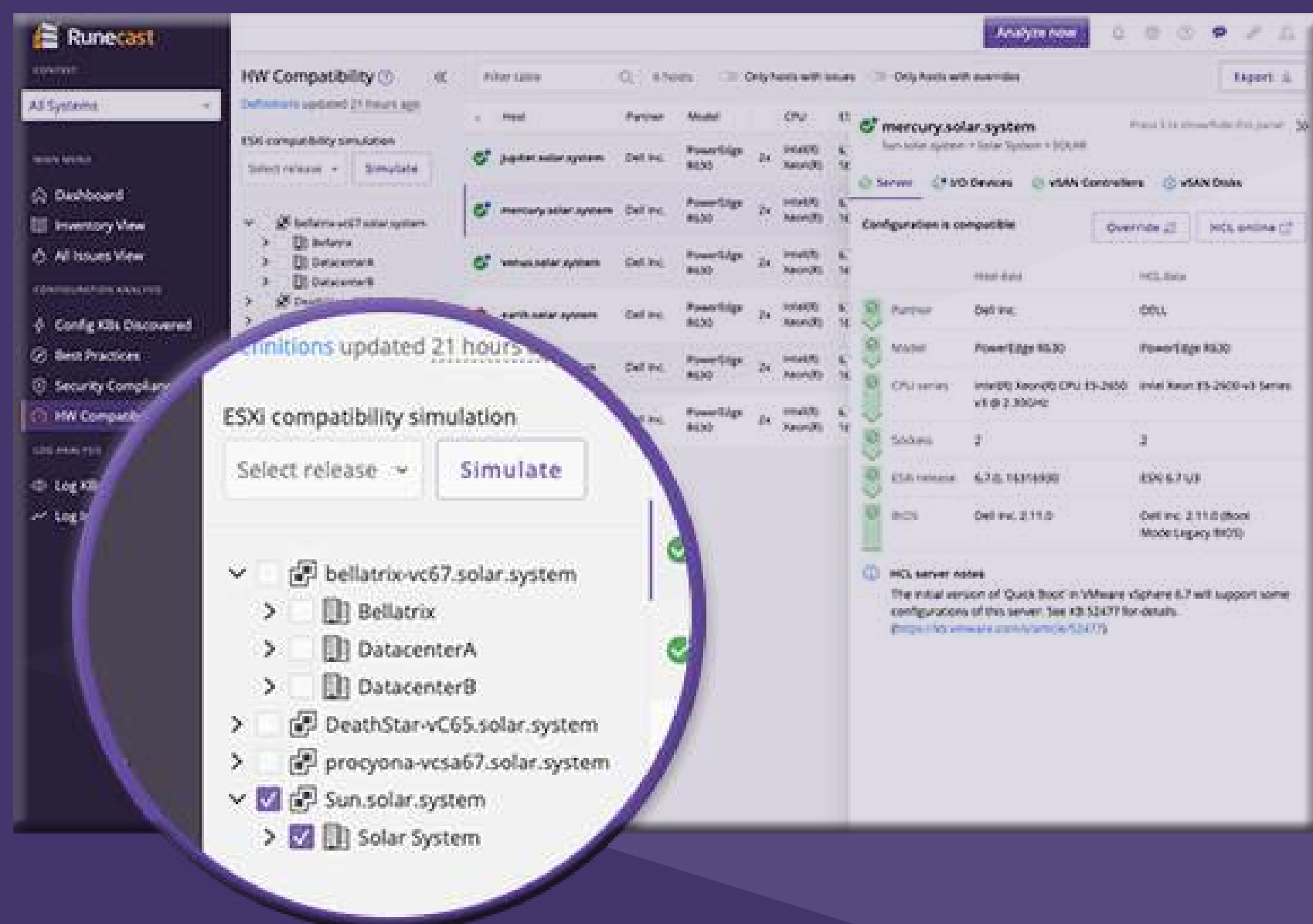
Best Practice for VMware Continuity of
Operations Controls

“Your Smart Expert Assistant”
Smart Assistant Optimizing
and Protecting Your
VMware Platform

04 VSphere HCL Upgrade Simulator

VSphere HCL VERSION UPGRADE SIMULATOR

When upgrading or
adding a new ESXi
host to an existing
environment,
By simulating the
version compatibility of
your ESXi servers and
I/O devices in minutes,
you can see the
operational problems
you will encounter.



vmware®

Control Your SDDC

[▶ Watch Demos](#)

RUNECast ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform



Proactive Troubleshooting

Take action by scanning your vmware infrastructure by seeing the issues that may cause interruptions.

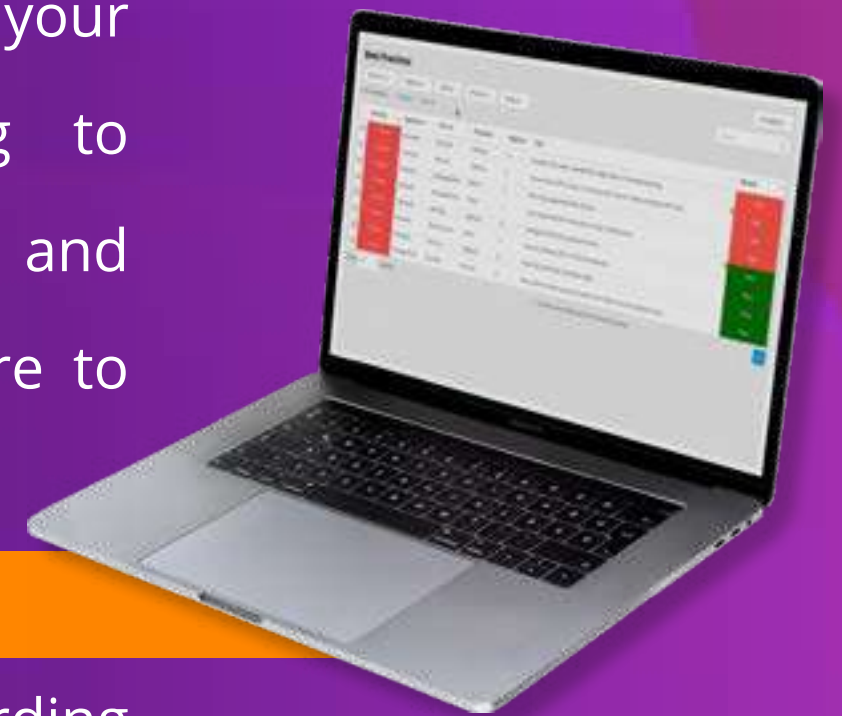


Compliance with Safety Regulations

Measure your security by passing your VMware infrastructure through automatic security regulation checks.

Following International Standards

Achieve international standards by measuring the establishment of your VMware infrastructure according to accepted and updated standards, and the proximity of your infrastructure to these standards.

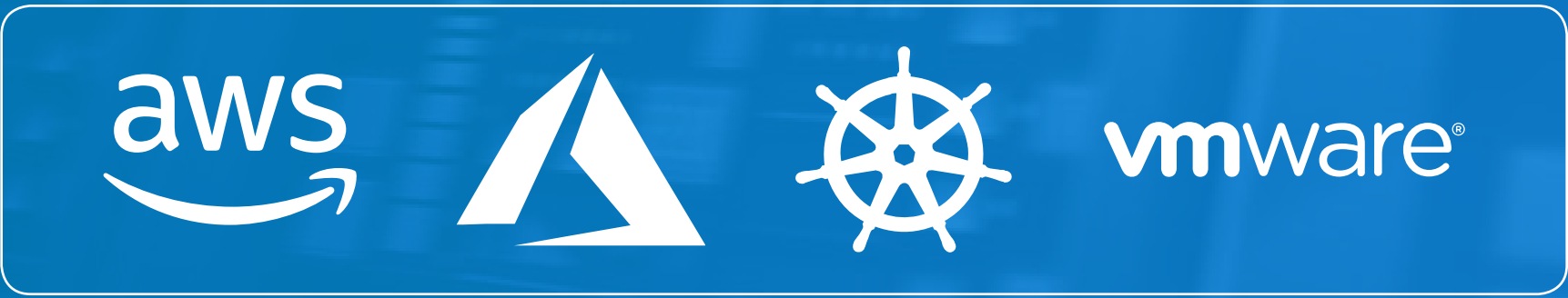


Log Analysis & Correlation

Analyzes vCenter and ESXi logs according to specific patterns in real time, interprets them and correlates them with published KB articles.

Security Compliance for AWS, Azure, Kubernetes and VMware

Runecast Analyzer automates your security audits to help you monitor and prove compliance with standards including BSI IT-Grundschutz, CIS Benchmarks, Cyber Essentials, DISA STIG, Essential 8, GDPR, HIPAA, ISO 27001, NIST, PCI DSS, and vendor guidelines. It also provides customization for any internal standard.



RUNECAST ANALYZER
"Your Smart Expert Assistant"
 Smart Assistant Optimizing
 and Protecting Your
 VMware Platform



Problem: Extremely time-consuming security checks

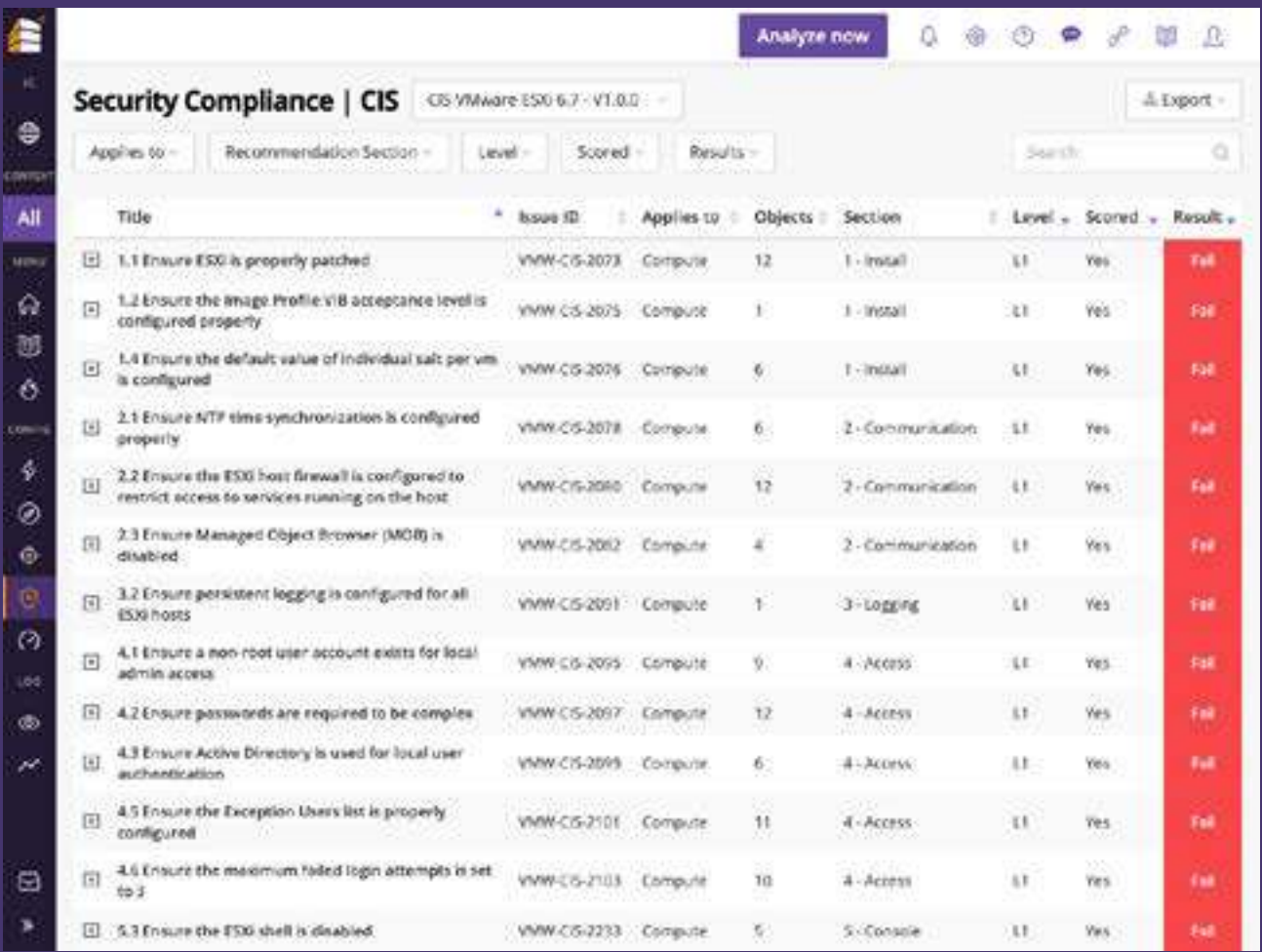
Keeping up with the latest security standards and best practices in a rapidly evolving IT infrastructure is both difficult and time consuming for busy IT teams like yours.

- There is no gold standard for vendor best practices.
- Every technology and VMware product you use has its own best practices.
- IT teams lack the resources to manage security policies.
- Security audits are becoming more frequent and the cost of non-compliance is becoming more and more expensive.

Solution: Real-time security analysis and reports

Runecast Analyzer scans your custom configuration and provides Best Practices compliance gap analysis reports and Security Consolidation controls.

- Improve Availability, Performance, Manageability, Security and Recoverability.
- Automates your vulnerability management and security standards compliance audits for AWS, Azure, Kubernetes, and VMware.
- Based on vendor security hardening guidelines and selected industry best practices.
- Continuous auditing against CIS Experiments, NIST, HIPAA, PCI DSS, DISA Stig, BSI IT-Grundschutz, ISO 27001, GDPR, Cyber Essentials (UK), Essential 8 etc.
- It's easy to filter and sort problems, compare past configurations, and fix them with simple actions.
- Automatic scans eliminate manual work and keep your AWS, Azure, Kubernetes and vSphere stack running optimally.
- It also helps mitigate security vulnerabilities: Specter, Meltdown, L1TF and more.

Title	Issue ID	Applies to	Objects	Section	Level	Scored	Result
1.1 Ensure ESX is properly patched	VMW-CIS-2073	Compute	12	1 - Install	LI	Yes	Fail
1.2 Ensure the Image Profile VIB acceptance level is configured properly	VMW-CIS-2075	Compute	1	1 - Install	LI	Yes	Fail
1.4 Ensure the default value of individual salt perm is configured	VMW-CIS-2076	Compute	6	1 - Install	LI	Yes	Fail
2.1 Ensure NTP time synchronization is configured properly	VMW-CIS-2078	Compute	6	2 - Communication	LI	Yes	Fail
2.2 Ensure the ESX host firewall is configured to restrict access to services running on the host	VMW-CIS-2080	Compute	12	2 - Communication	LI	Yes	Fail
2.3 Ensure Managed Object Browser (MOB) is disabled	VMW-CIS-2082	Compute	4	2 - Communication	LI	Yes	Fail
3.2 Ensure persistent logging is configured for all ESX hosts	VMW-CIS-2091	Compute	1	3 - Logging	LI	Yes	Fail
4.1 Ensure a non-root user account exists for local admin access	VMW-CIS-2095	Compute	9	4 - Access	LI	Yes	Fail
4.2 Ensure passwords are required to be complex	VMW-CIS-2097	Compute	12	4 - Access	LI	Yes	Fail
4.3 Ensure Active Directory is used for local user authentication	VMW-CIS-2099	Compute	6	4 - Access	LI	Yes	Fail
4.5 Ensure the Exception Users list is properly configured	VMW-CIS-2101	Compute	11	4 - Access	LI	Yes	Fail
4.6 Ensure the maximum failed login attempts is set to 3	VMW-CIS-2103	Compute	10	4 - Access	LI	Yes	Fail
5.1 Ensure the ESX shell is disabled	VMW-CIS-2233	Compute	5	5 - Console	LI	Yes	Fail

16



RUNECast ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform

Increase vSphere Availability

Runecast Analyzer automates analysis of your environment to comply with close to 30,000 VMware Knowledge Base (KB) articles - all helping you ensure your SLAs by proactively preventing service outages and saving time spent troubleshooting upfront.

vmware® | vSphere



Problem: Traditional Break/Repair approach

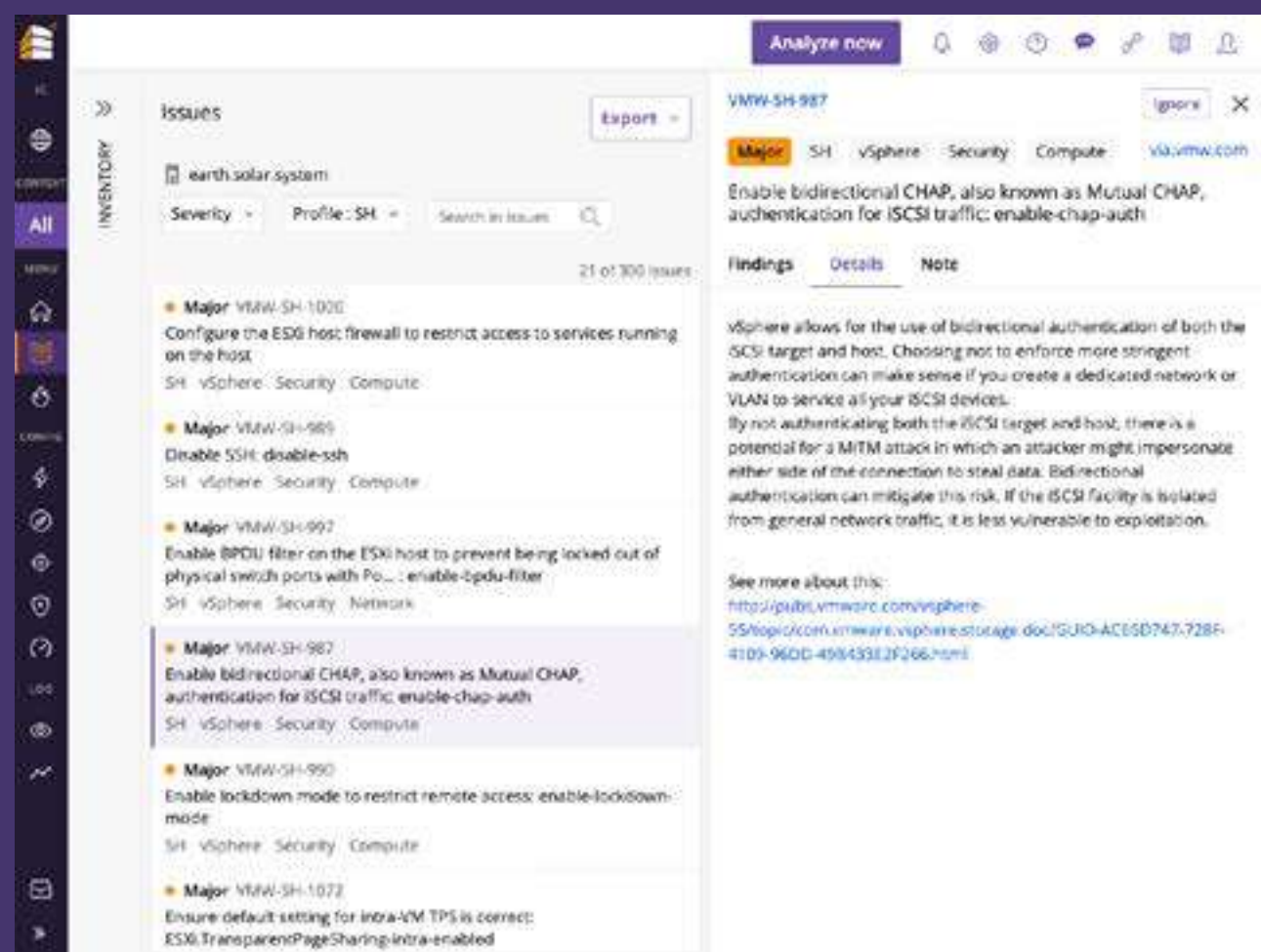
The traditional reactive monitoring and failure/fix approach affects service availability.

- You can only identify problems AFTER they become interruptions.
- Valuable team resources waste time in long troubleshooting cycles as service is interrupted.
- Service interruption due to seemingly undiagnosable issues, failure to meet SLAs.
- Configuration drift, upgrades, and hardware incompatibilities increase the risk of unexpected outages.
- 90% of all VMware problems are caused by known risky configurations and could have been avoided.

Solution: Proactive risk reduction

With thousands of issues documented in vendors' Knowledge Bases, best practice guides, and community forums, Runecast alerts you to downtime risks before they occur and provides recommended steps to avoid them.

- Runecast proactively detects Purple Screen of Death and other hidden risks before they happen, which helps increase uptime and meet SLAs.
- Continuous scans against the Hardware Compatibility List (HCL) to avoid downtime risks from driver/firmware incompatibility.
- Upgrade simulations save a great deal of upgrade planning time and reduce the risk of problems.
- Automates your vulnerability management and security compliance audits for AWS, Azure, Kubernetes, and VMware.
- Weekly updates via an AI-powered parsing engine keep you safe from the latest known misconfigurations.
- It's easy to filter and sort problems, compare past configurations, and fix them with simple actions.



Automatic VMware Hardware Compatibility Checks

Runecast Analyzer automates the process of matching your hardware to the latest VMware Hardware Compatibility List (HCL). You can also simulate ESXi upgrades to save you a lot of time planning upgrades and save up to 90% time on upgrade planning.

vmware® | ESXi

RUNECast ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform



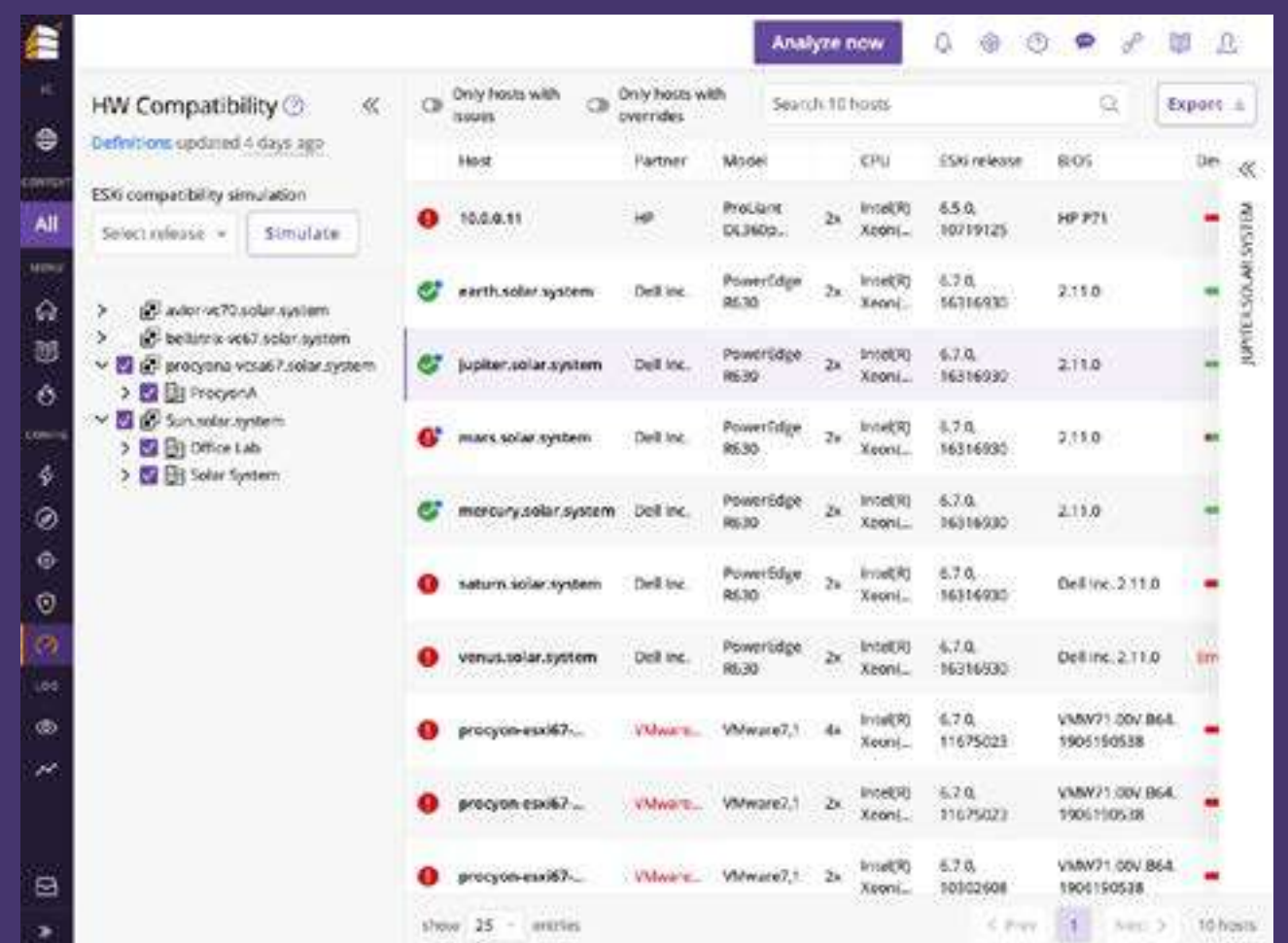
Issue: Time lost due to manual checks against VMware HCL

- As your environment becomes more complex, the number of individual pieces of hardware that must be checked against the HCL grows rapidly.
- Although VMware recommends checking the HCL monthly, this never happens because it takes a lot of time.

Solution: Automatic Hardware Compatibility Checks by Runecast

Runecast Analyzer now demonstrates the compatibility of your hardware with VMware HCL. It performs a fast, automated analysis using the latest HCL for your servers and I/O devices.

- Modify the previously spent working hours to extract the correct data from your environment and match them individually to the HCL.
- Simulate the future with ESXi Upgradeability.
- VSAN Controls in Production-ready HCL Analysis and Upgrade Simulation increase visibility and transparency into how your environment is set up.
- Get alerted when the maintenance status of any of your machines changes so you have the information you need to make adjustments at the right time.
- All this is done offline, eliminating any possible exposure.
- Keep your systems constantly protected, high-performing and fully supported, VMware's #1 best practice!

Host	Partner	Model	CPU	ESXi release	BIOS	OS
10.0.0.11	HP	ProLiant DL380...	2x Intel(R) Xeon...	6.5.0, 10719125	HP P71	
earth.solar.system	Dell Inc.	PowerEdge R630	2x Intel(R) Xeon...	6.7.0, 16316930	2.11.0	
jupiter.solar.system	Dell Inc.	PowerEdge R630	2x Intel(R) Xeon...	6.7.0, 16316930	2.11.0	
mars.solar.system	Dell Inc.	PowerEdge R630	2x Intel(R) Xeon...	6.7.0, 16316930	2.11.0	
mercury.solar.system	Dell Inc.	PowerEdge R630	2x Intel(R) Xeon...	6.7.0, 16316930	2.11.0	
saturn.solar.system	Dell Inc.	PowerEdge R630	2x Intel(R) Xeon...	6.7.0, 16316930	Dell Inc. 2.11.0	
venus.solar.system	Dell Inc.	PowerEdge R630	2x Intel(R) Xeon...	6.7.0, 16316930	Dell Inc. 2.11.0	
precyon-esxi67...	VMware	VMware7,1	4x Intel(R) Xeon...	6.7.0, 11675023	VMware7.1 00v B64, 1905150538	
precyon-esxi67...	VMware	VMware7,1	2x Intel(R) Xeon...	6.7.0, 11675023	VMware7.1 00v B64, 1905150538	
precyon-esxi67...	VMware	VMware7,1	2x Intel(R) Xeon...	6.7.0, 10302508	VMware7.1 00v B64, 1905150538	

01



RUNECast ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform

Proactive Best Practices Analysis

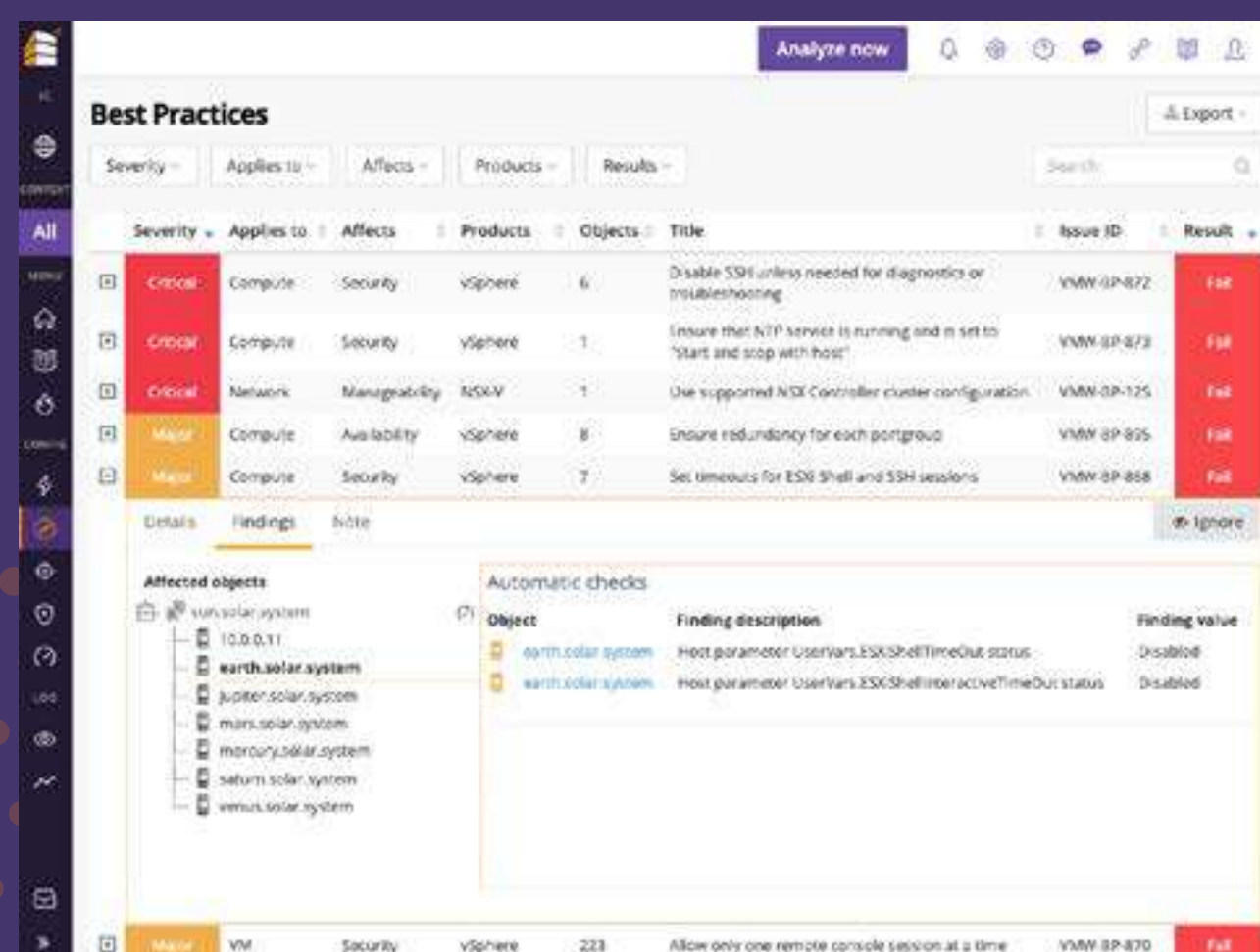
Runecast Analyzer continuously scans your AWS, Azure, Kubernetes, and VMware media for compatibility with hundreds of vendors' Best Practices, including Pure Storage in both SAP HANA and vSphere, and vSphere in Nutanix.



Problem: It's hard to keep up with the latest Best Practices and justify your configuration costs

Unfair deviations from best practices can easily turn into a disaster.

- WS, Azure, Kubernetes, and VMware evolve over time, and so do Best Practices for configuring them.
- Best Practice deviations can introduce usability, performance, and security issues.
- AWS or Azure Best Practices deviations can unnecessarily increase your bills.
- Configuration drift over time makes it harder to comply with Best Practices and continuous compliance/gap analysis will waste you time.
- If you run SAP HANA on vSphere, Pure Storage on vSphere, vSphere on Nutanix or other integrated workloads or technologies, there are many more applications to monitor and it takes a lot of time.



**Click for
Solution.**

02



RUNECAST ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform

Proactive Best Practices Analysis

Runecast Analyzer continuously scans your AWS, Azure, Kubernetes, and VMware media for compatibility with hundreds of vendors' Best Practices, including Pure Storage in both SAP HANA and vSphere, and vSphere in Nutanix.



The solution to the
problem expressed on
the previous page.

Solution: Automatic Best Practice with Runecast Analyzer Control

Runecast maintains a database of the latest AWS, Azure, Kubernetes, and VMware Best Practices. It constantly monitors your Hybrid Cloud, reports violations and makes recommendations.

- For VMware, in addition to the standard VMware Good Practices (for vSphere, VSAN, NSX, and Horizon), Runecast Best also validates the environment against Applications SAP HANA on vSphere, Pure Storage on vSphere, and vSphere on Nutanix.
- Granular Filters and Comments allow you to filter any Best Practice rule in any part of your infrastructure. You can also annotate any Best Practice violations and add a justification or note when it will be corrected.
- All Best Practices by Severity (Critical, Major, Medium, Low), Infrastructure Tier (Computing, Networking, Storage, Management) and Design Quality (Availability, Manageability, Performance, Security, Recoverability) so you can focus on what matters.
- The Custom Profiles feature allows you to create your own sets of Best Practice profiles and have a Runecast Analysis report on them.
- The history view allows you to monitor how your configuration has changed and where a Best Practice violation occurred or was resolved.
- Multiple reporting options allow you to generate Best Practice health check reports via PDF, CSV or email.
- The patented AI solution tracks application updates for any vendor from the review of the multi-certified engineering team.

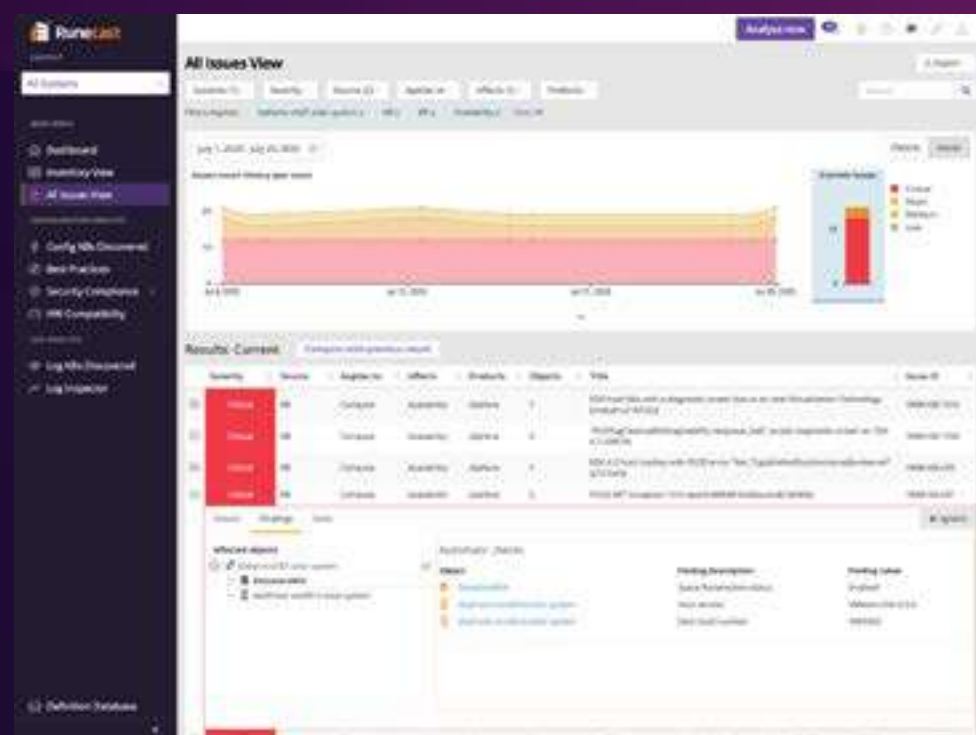
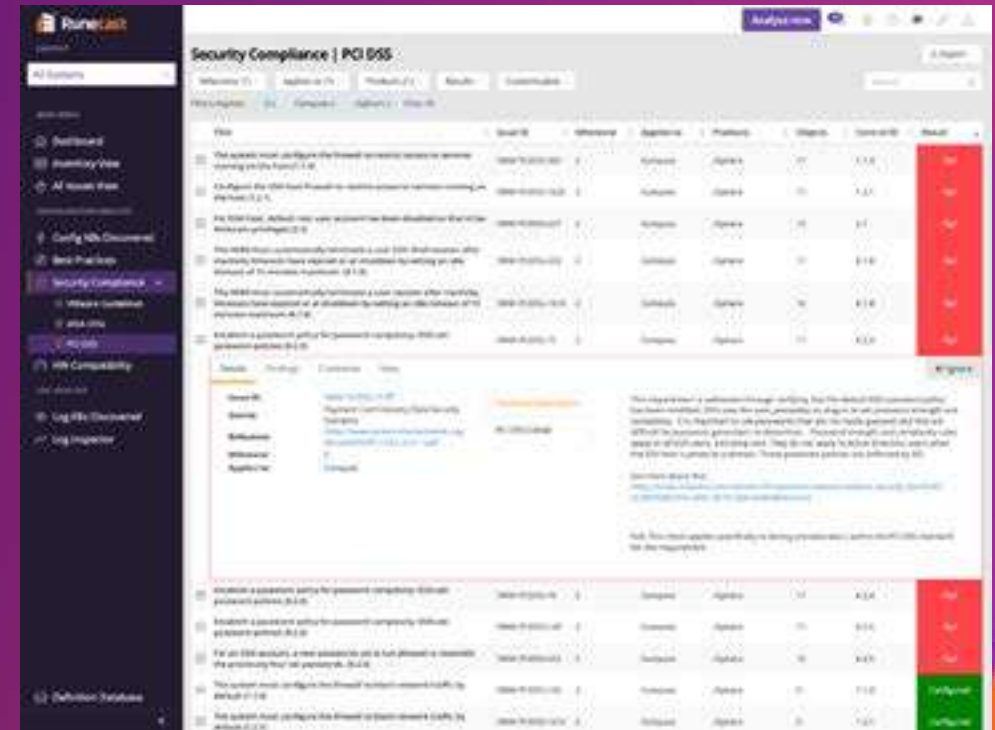
Runecast BENEFITS

Security Compliance

Always be 'audit ready' and be prepared.

Runecast Analyzer simplifies security configuration assessment by auditing your AWS, Azure, Kubernetes and VMware environments against common standards such as BSI IT- Grundsutz, CIS Benchmarks, Cyber Essentials, DISA STIG, Essential 8, GDPR, HIPAA, ISO 27001, NIST, PCI DSS, vendor instructions etc.

The best part is that Runecast Analyzer runs securely on-premises with real-time automated insights, so no data has to get out of your control.



Troubleshooting

Prevent problems before they become problems with real-time intelligence from AWS, Azure, Kubernetes, and VMware.

Manually troubleshooting (reactively) makes no sense, and doing it well proactively is humanly impossible.

Runecast Analyzer scans your AWS, Azure, Kubernetes and VMware in minutes.

Leverage real-time, predictive analytics for performance analysis, configuration management, vulnerability assessment and more.

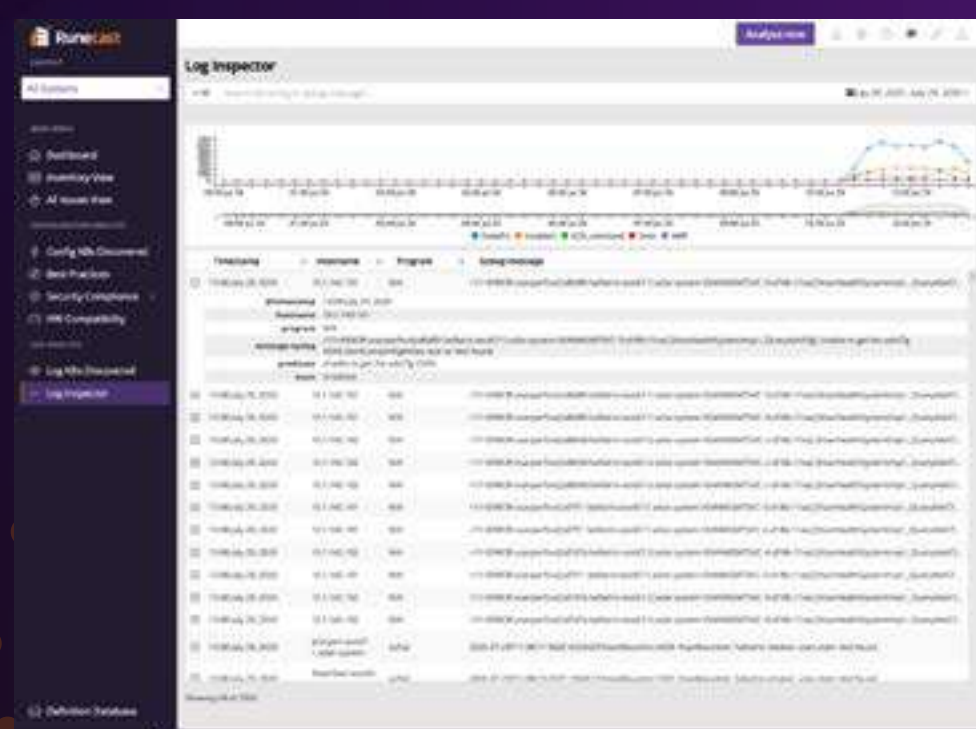
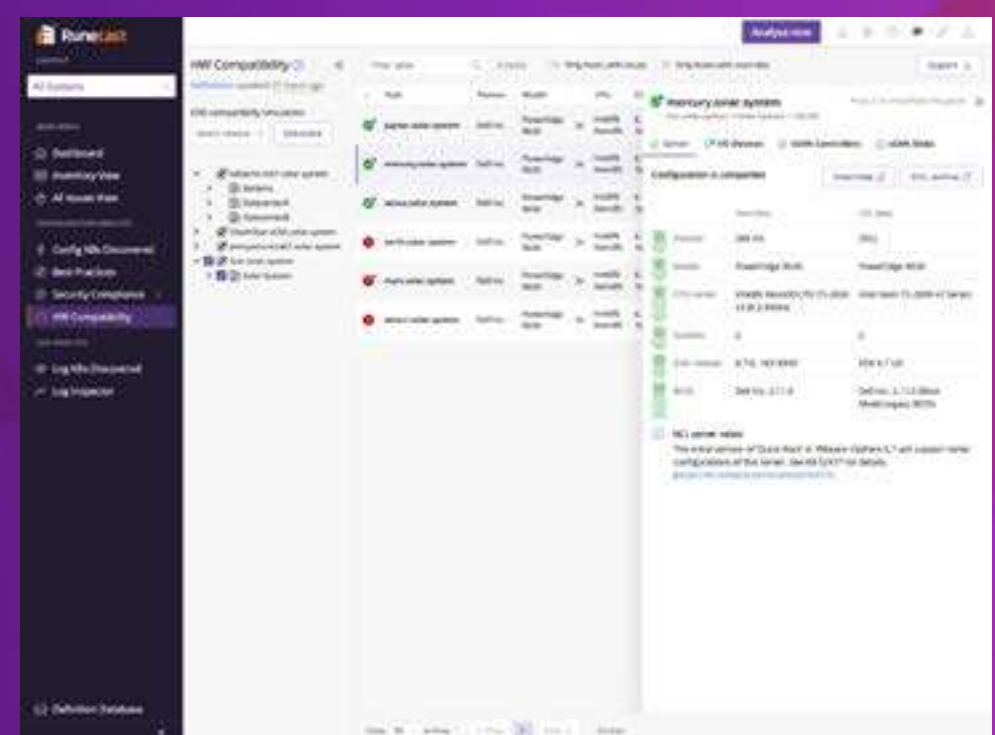
Hardware Compatibility

Automate aligning your hardware to VMware's HCL.

To change the hours spent on hardware that previously matched HCL, Runecast Analyzer shows compatibility with one click.

It performs a fast, automated analysis using the latest HCL for your servers and I/O devices.

ESXi upgrade simulations show future compatibility against HCL so you can fix problems before they occur.



Log Analysis

Automate proactive problem recognition and resolution steps.

Our customers report savings of up to 80% in troubleshooting and fix time using Runecast Analyzer's real-time predictive analytics.

Runecast Analyzer scans for specific patterns in your vSphere logs in real time.

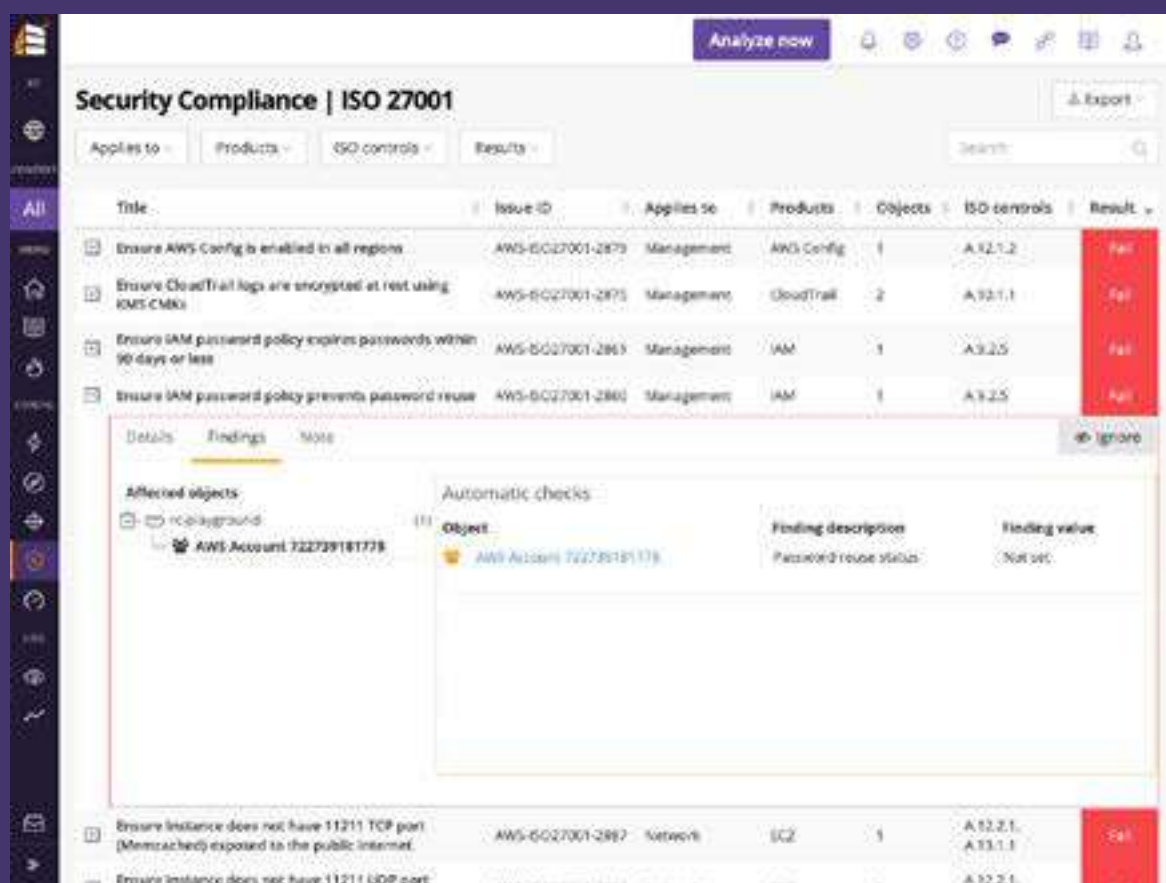
As soon as the log entries indicate a problem, Runecast Analyzer will show you the steps to fix the problem.

Optimize Your AWS Cloud and Secure

Proactively identify and mitigate configuration issues and security risks with a patented solution for real-time, actionable insights.



RUNECAST ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform



Security Compliance

Runecast Analyzer automates misconfiguration and alignment checks with:

- Internet Security Center (CIS) Amazon Web Services Fundamentals Benchmark
- General Data Protection Regulation (GDPR)
- Information Security Management (ISO) 27001
- National Institute of Standards and Technology (NIST) Special Publication 800-53
- Payment Card Industry Data Security Standard (PCI DSS)

Full Visibility of Issues in Your AWS Cloud

- Runecast Analyzer balances and secures your hybrid and public cloud operations by automating checks for Amazon Web Services (AWS) Best Practices, as well as AWS security compliance with CIS Benchmarks, GDPR, ISO 27001, NIST 800-53, and PCI DSS. Hybrid environments can also see issues for Azure, Kubernetes, and VMware from the same dashboard.
- Ensure consistency with the Configuration Enclosure and end the configuration shift. Stop searching StackOverflow and create custom fix scripts in Runecast Analyzer. Preserve historical data to show control evidence and past trends. See issues and historical data for Azure, Kubernetes, and VMware too.

You Have Control of Your Data Wherever You Operate It

Running securely on your own infrastructure, Runecast Analyzer automates security compliance checks for your AWS infrastructure with insights into what's going on in the cloud, across clouds, and on-premises. No sensitive company, employee, or customer data needs to get out of your control.

How to Operate?

Runecast Analyzer for hybrid cloud covers: Public cloud AWS; Public cloud AWS + on-premises VMware; and VMware Cloud on AWS . Connect Runecast Analyzer via AWS API and it's ready to go. Runecast ROI surpasses itself to provide more ROI for your other infrastructure investments. Running Runecast lowers costs, simplifies operations, increases usability, and gives you more time to innovate.

Optimize and Secure Your Microsoft Azure Cloud

Proactively identify and mitigate configuration issues and security risks with a patented solution for real-time, actionable insights.



RUNECAST ANALYZER
"Your Smart Expert Assistant"
Smart Assistant Optimizing
and Protecting Your
VMware Platform

Security Compliance CIS									
Applies to	Recommendation Section	Level	Scored	Results					
Title	Issue ID	Applies to	Objects	Section	Level	Scored	Result		
1.1 Ensure ESX is properly patched	VMW-CIS-2073	Compute	12	1 - Install	0.1	Yes	Fail		
1.2 Ensure the Image Profile VIB acceptance level is configured properly	VMW-CIS-2075	Compute	1	1 - Install	0.1	Yes	Fail		
1.4 Ensure the default value of individual salt per vms is configured	VMW-CIS-2076	Compute	6	1 - Install	0.1	Yes	Fail		
2.1 Ensure NTP time synchronization is configured properly	VMW-CIS-2078	Compute	6	2 - Communication	0.1	Yes	Fail		
2.2 Ensure the ESX host firewall is configured to restrict access to services running on the host	VMW-CIS-2080	Compute	12	2 - Communication	0.1	Yes	Fail		
2.3 Ensure Managed Object Browser (MOB) is disabled	VMW-CIS-2082	Compute	4	2 - Communication	0.1	Yes	Fail		
3.2 Ensure persistent logging is configured for all ESXi hosts	VMW-CIS-2091	Compute	1	3 - Logging	0.1	Yes	Fail		
4.1 Ensure a non-root user account exists for local admin access	VMW-CIS-2095	Compute	9	4 - Access	0.1	Yes	Fail		
4.2 Ensure passwords are required to be complex	VMW-CIS-2097	Compute	12	4 - Access	0.1	Yes	Fail		
4.3 Ensure Active Directory is used for local user authentication	VMW-CIS-2099	Compute	6	4 - Access	0.1	Yes	Fail		
4.5 Ensure the Exception Users list is properly configured	VMW-CIS-2101	Compute	11	4 - Access	0.1	Yes	Fail		
4.6 Ensure the maximum failed login attempts is set to 3	VMW-CIS-2103	Compute	10	4 - Access	0.1	Yes	Fail		
5.3 Ensure the ESX shell is disabled	VMW-CIS-2238	Compute	5	5 - Console	0.1	Yes	Fail		

CIS Benchmark Compliance

Runecast Analyzer proactively audits your security compliance with CIS Benchmarks with 100% coverage of all checks in CIS 1.3.0 along with Best Practices. The following Azure services are covered:

- Azure Active Directory
- Azure Application Services
- Azure Kubernetes Service
- Discs
- Key Safe
- Subscriptions
- MySQL Server
- Network Security Groups
- PostgreSQL Server
- SQL Server
- Storage Accounts
- Virtual machines

Complete Visibility of Issues in Your Azure Cloud

Runecast Analyzer automates continuous proactive monitoring of your Microsoft Azure environment against Azure Best Practices and a set of regulatory standards (such as CIS Benchmarks), highlighting where you should focus your attention first. You'll see a list of critical issues and the steps needed to fix them. Hybrid environments can also see issues for AWS, Kubernetes and VMware from the same dashboard.

Ensure consistency with the Configuration Enclosure and end the configuration shift. Stop searching StackOverflow and create custom fix scripts in Runecast Analyzer. Preserve historical data to show control evidence and past trends. See also historical data for AWS, Kubernetes, and VMware.

You Have Control of Your Data Wherever You Operate It

Running securely in your own infrastructure, Runecast Analyzer automates security compliance checks for your Azure infrastructure with insights into what's going on both in the cloud and on-premises. No sensitive company,

How to Operate?

Connecting Runecast Analyzer to your Azure account is super simple: you create an App ID and Client Secret in your Azure Directory, then drop the details into the wizard. Click on Continue and you'll see your new **Azure tenant on connected systems ready** for analysis as long as the connection is good.



RUNECAST ANALYZER

"Your Smart Expert Assistant"

Smart Assistant Optimizing
and Protecting Your
VMware Platform



Ensure consistency with the Configuration Enclosure and end the configuration shift. Stop searching StackOverflow and create custom fix scripts in Runecast Analyzer. Preserve historical data for audit evidence and past trends. See also historical data for AWS, Azure, and VMware.

RunecastAnalyzer provides automatic node- and cluster-level Kubernetes configuration analysis, covering common cluster operating and security best practices for Kubernetes, as well as the CIS Benchmark for Kubernetes security. Runecast Analyzer proactively audits your security compliance with CIS Benchmarks with the extent of checks against CIS 1.6. It also provides vulnerability mapping.

Running securely on your own infrastructure, Runecast Analyzer automates security compliance checks for your Kubernetes infrastructure with insights into what's going on both in the cloud and on-premises. No sensitive company, employee, or customer data needs to get out of your control.

Runecast Analyzer provides automated Kubernetes configuration analysis at node level, cluster level, and workload level, encompassing common cluster operational and security best practices for Kubernetes, as well as CIS comparison for the Kubernetes security standard. You can deploy Runecast Analyzer directly to Kubernetes using our Helm chart.

Optimize and Secure Your VMware SDDC

Proactively identify and mitigate configuration issues and security risks with a patented solution for real-time, actionable insights.



RUNECast ANALYZER
"Your Smart Expert Assistant"
 Smart Assistant Optimizing
 and Protecting Your
 VMware Platform



Security Compliance

It ensures that security controls and requirements are matched with technical controls, detailed historical data, and remediation capabilities by assessing your security compliance with:

- BSI IT-Grundschutz
- CIS Benchmarks
- Cyber Essentials
- DISA STIG
- Essential 8
- HIPAA
- ISO 27001
- NIST
- PCI-DSS
- VMware Security Configuration Guide

Complete Visibility of Issues in Your Hybrid Cloud

Runecast Analyzer continuously scans configuration and logs for known issues, security standards, Hardware Compatibility List (HCL), VMware Best Practices, Best Practices for **Pure Storage** , and **SAP HANA on vSphere and vSphere on Nutanix** – Infrastructure to help you stabilize and secure your VMware. VMSAs/CVEs are displayed on the main dashboard to simplify vulnerability management.

Ensure consistency with the Configuration Enclosure and end the configuration shift. Stop searching StackOverflow and create custom fix scripts in Runecast Analyzer. Verify host hardware, BIOS, drivers and firmware against HCL (for currently installed versions and upgrade simulation). See issues and historical data for **AWS, Azure, and Kubernetes** as well.

You Have Control of Your Data Wherever You Operate It

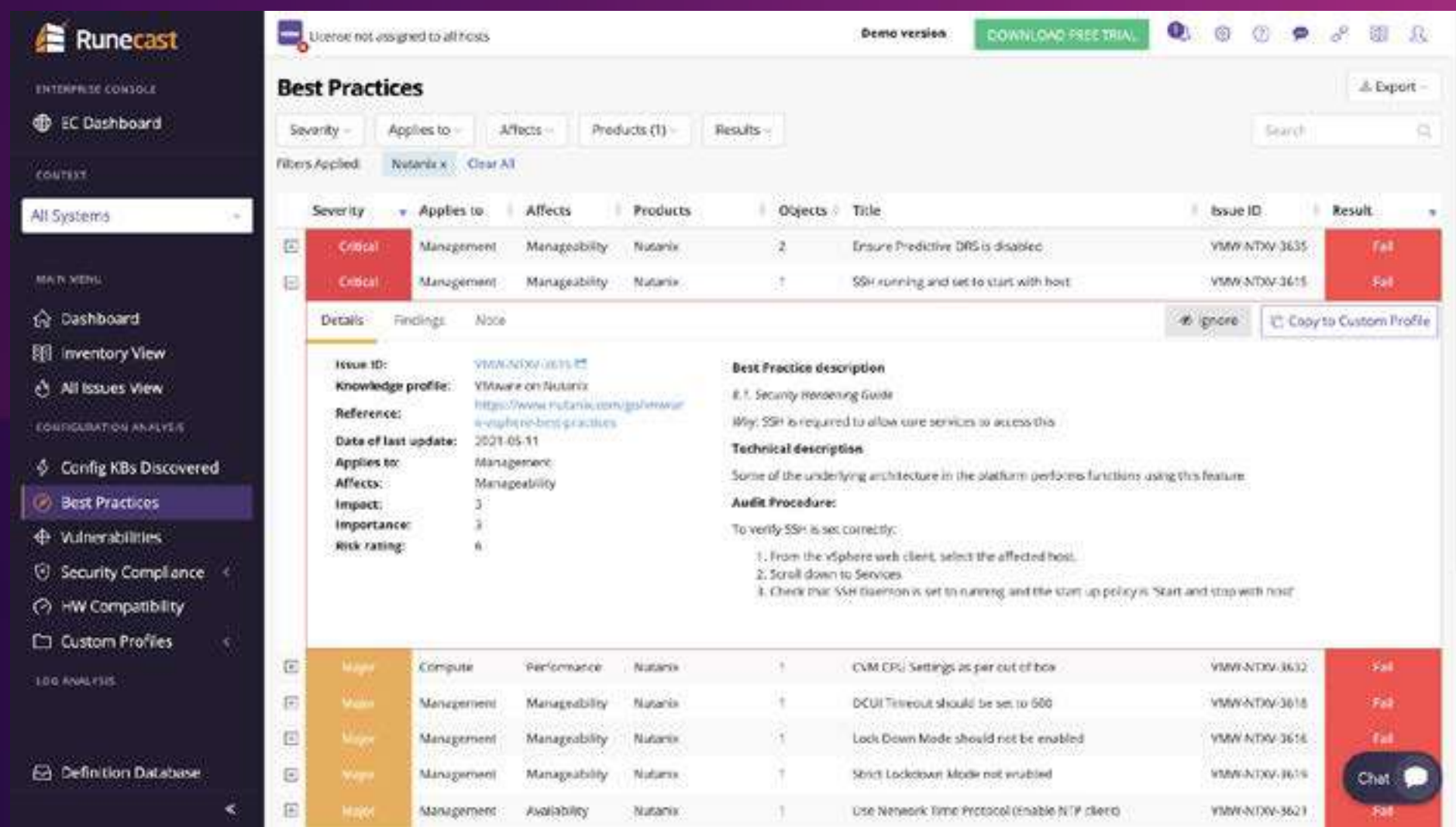
Running securely on your own infrastructure, Runecast Analyzer automates security compliance checks for your VMware infrastructure with insights into what's going on in the cloud, across clouds, and on-premises. No sensitive company, employee, or customer data needs to get out of your control.

How to Operate?

Connect all your vCenters to one lightweight Runecast Analyzer virtual appliance and take control from a single dashboard. The Runecast Analyzer engine has fully offline capabilities and can even be upgraded in offline mode. The patented rules engine uses Artificial Intelligence (AI) and Natural Language Processing (NLP) to automatically discover misconfigurations in your environment that could cause failed security checks or trigger outages.

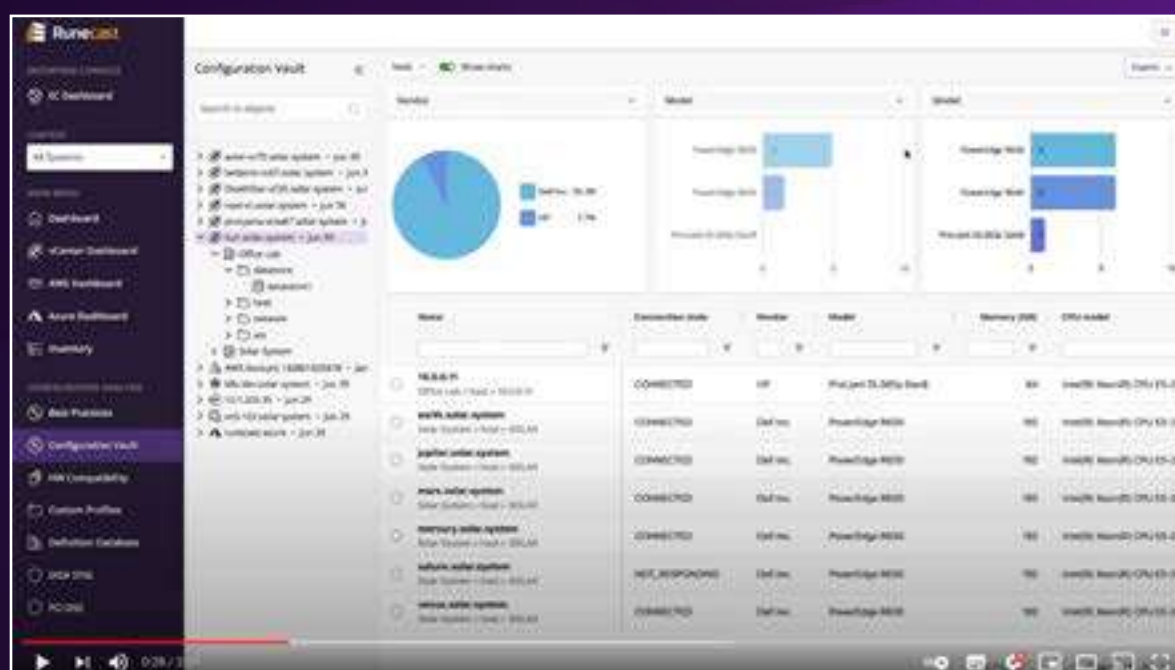
Runecast Analyzer 5.1.0.0 Offers Config Vault and Fix

July 8, 2021

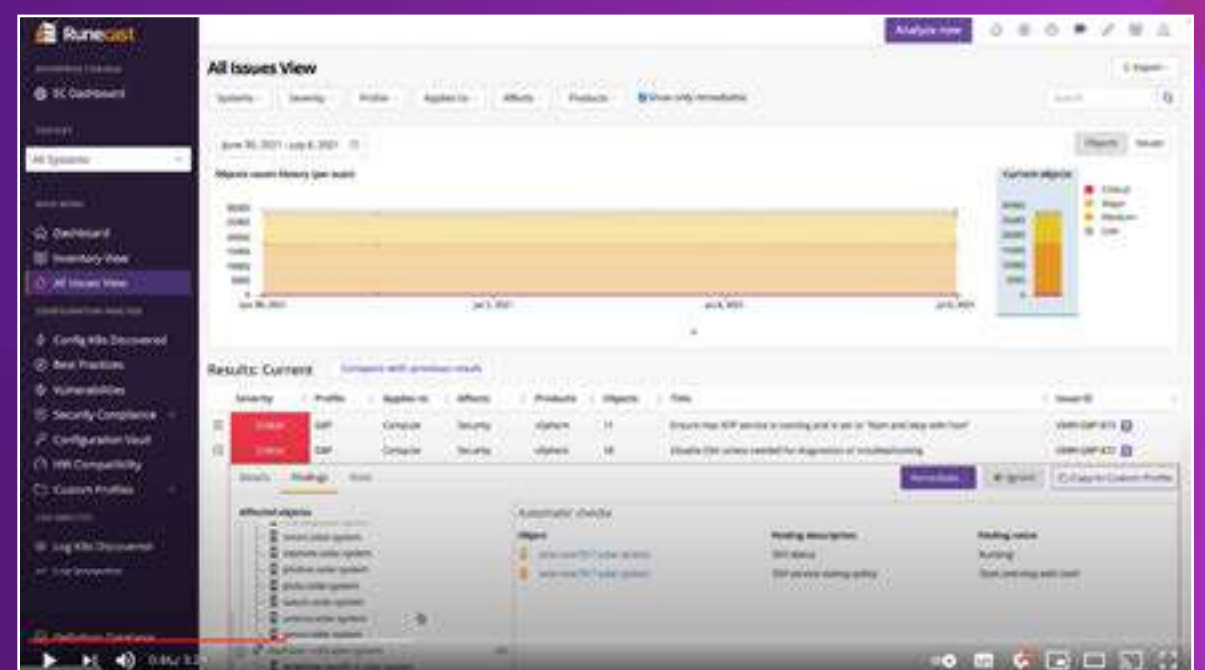


Configuration Vault

One of the less addressed challenges when managing environments is visibility into exactly how your environment is configured at any given time. Maintaining consistency within a vSphere cluster is crucial, but consistency is also important when you look at other ecosystems: for example, you want to make sure all your pods and containers have the relevant security context. Configuration Vault takes this idea and works with it, giving you all that snapshot data Runecast Analyzer has gathered, giving you all the rich filtering features you know and love, and letting you choose the configurations you want. Quickly see where there might be inconsistencies.



 Configuration Vault Feature Demo



 Remediation Feature Demo

OTD BLOG

Be Aware of Updates Follow Our OTD BLOG

- ✚ Runecast Analyzer - NSX-T
- ✚ What's new with Runecast 5.0.2.0
- ✚ Operational Efficiency of Runecast Analyzer Software
- ✚ What is Runecast Analyzer?
- ✚ Advantages of Using Runecast
- ✚ Optimize and Protect Your Runecast VMware Infrastructure
- ✚ Runecast – ISO / IEC 27001 Compliance Checks
- ✚ Runecast – Security Compliance
- ✚ VMware HW Compatibility with Runecast
- ✚ Troubleshooting VMware with Runecast Analyzer
- ✚ How to deal with PSOD (Purple Screen)?

✓ <https://onlineteknikdestek.com/blog?culture=en>



RuneCast

JOIN OUR RUNECAST NETWORK

Optimize and Protect Your VMware Infrastructure.

CONTACT US >



Value-Added Distributor

OTD BİLİŞİM

www.onlineteknikdestek.com

MALTEPE OFFICE

Cevizli Mah. Zuhâl Cad. No: 46
Ritim İstanbul A-1 Blok D:55
34846 Maltepe - İstanbul / TURKEY

HALKALI OFFICE

Atatürk Mah. Güner Sok. B-1 Blok
No: 1/1B Inner Door No: 257
34307 Küçükçekmece - İstanbul / TURKEY

P: +90 216 912 10 05 F: +90 216 912 10 07 otd.salesgrp@onlineteknikdestek.com