

Less troubleshooting. More innovating.

PRIANTO

Prianto Hungary and CEE value-added distributor

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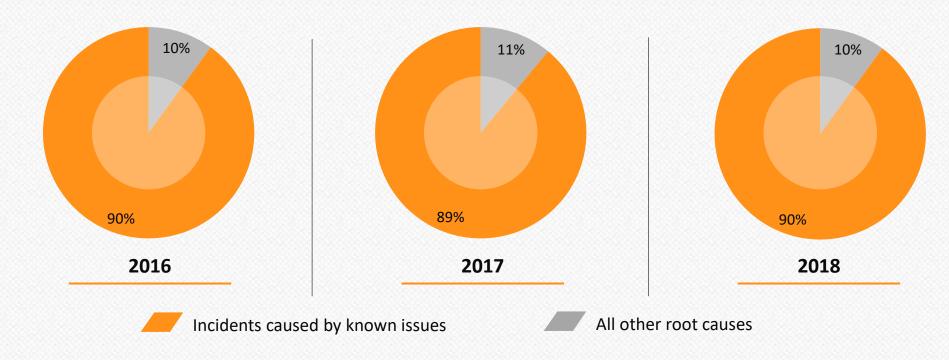
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90% of VMware SDDC problems caused by known issues



- Remediation usually takes hours of Googling, reading and filtering through documentation in:
- VMware Knowledge Base
 Best Practices
 Security Hardening Guides
- This great wealth of knowledge is only being leveraged reactively after issues happen.

Why not apply these vast resources proactively?







Typical problems in a VMware SDDC

Knowledge Base (KB)

- 30,000+ known issues documented in KB constantly updated and expanding.
- Manually checking for them all is not humanly feasible.
- Most environments contain many latent issues that Admins are unaware of.
- When latent issues surface they cause system degradation, outages and/or breaches.

Best Practices

Best practices often overlooked – hard to monitor.

Security Compliance

Achieving security compliance manually places a huge drain on resources.

Logs

The huge volume of logs makes it very difficult to identify any problems they expose.

All that info but your environment is a minefield







Runecast Analyzer solves these problems

- Runecast **proactively** identifies the **causes** of issues **before** they occur, does all the root cause analysis work for you and provides the solution to remediate.
- Proactively scans your vSphere, vSAN, NSX and Horizon environment against:
 - VMware Knowledge Base.
 - VMware Best Practices.
 - VMware Security Hardening Guides
 - Security standards such as DISA-STIG 6, PCI-DSS and HIPAA
- **Configuration Analysis** analyses all configurations in your environment and correlates them against KBs, BPs and Security Guides and other standards.
- Log Analysis correlates logs in real-time against KBs and sniffs for problematic logs.
- Automates continuous security compliance checks.

Proactive management with 100% transparency on latent issues





Runecast Analyzer

Detects

- Identifies all known KB issues, BP violations, security weaknesses and misconfigurations.
- Real-time logs are correlated against KBs to easily identify root causes of operational issues.

Informs

- Identified issues are grouped by level of severity.
- Info to remedy each issue is provided with just one click.
- Automated email alerts / reports.

Secures

Automates continuous security compliance against Hardening Guides, KBs & DISA-STIG.

Optimizes

Ensures optimal configuration for trouble-free operation.

Minimize risks – Reduce outages - Enhance Security





A few key points

- Deploys as an OVA file and runs on-premises as a lightweight virtual appliance
- Deploy and configure in 5 to 10 minutes just a few clicks
- Supports multiple vCentres, vSAN, NSX-V and Horizon
- Handles multiple vSphere versions (5.x 6.x) and combinations
- Extremely fast with 100's of thousands of checks in 1-2 minutes
- Never uploads data from your datacentre & supports online or offline updates
- Extremely intuitive and easy-to-use no learning curve.
- Full REST API for integration with other tools and management solutions
- vSphere Web Client plugin supports Flex/Flash and HTML5 versions (i.e. versions 6.x & up)
- vRealize Orchestrator plugin for auto-remediation workflows
- AWS certified for VMware Cloud on AWS

Secure - Lightweight - Fast - Intuitive





How does it fit with your existing tools?

- Complements functionality of tools like vROPS, Log Insight, Veeam One and Turbonomics.
- Other tools focus primarily on capacity and performance management they **reactively** identify **symptoms** of issues **after** they occur and then leave you to search for a cause / solution.
- Runecast **proactively** identifies the **causes** of issues **before** they occur, does the root cause analysis work for you and provides the solution in just one click.
- Full REST API for integration with other tools and management solutions.
- vCenter Web Client plugin supports both the Flex/Flash and HTML5 versions.
- vRO plugin for automation workflows.

Supplements functionality of your existing tool mix





Business benefits



Save time

Less troubleshooting and health-checking. More time for innovating.



Reduce outages

Discover and remediate hidden issues before they cause outages.



Improve Security

Continuous security compliance, security KBs, secure architecture.



Minimize risk with continuous compliance

Your environment now follows industry best practices and is configured in the most optimal way.



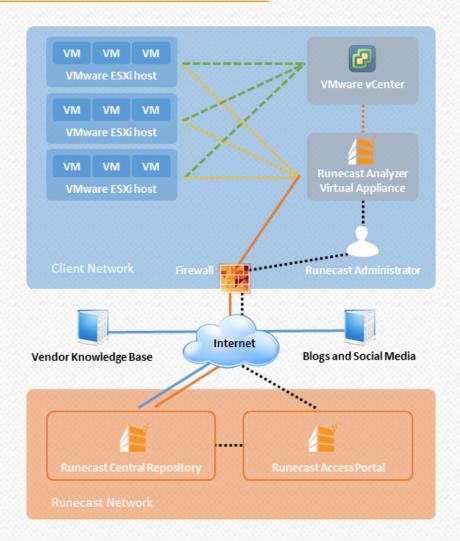
Reduce costs

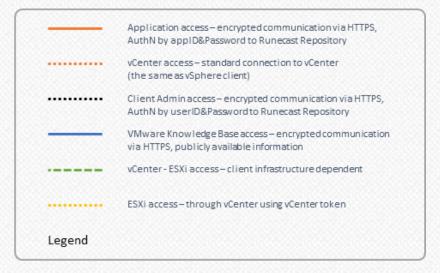
Prevent outages, save time and avoid audit penalties.





Secure Architecture









Testimonials

"Runecast Analyzer gives me peace of mind knowing the servers are better optimized, configured, patched and secured, which mitigates downtime and saves a lot of man hours."

Marc Crawford, Senior System Engineer, NJVC

"I highly recommend this solution as a 'must have' for any VMware vSphere environment."

Stephen Parker, System Engineer, BYU Idaho

"Runecast Analyzer increases the stability and performance of our environment...We have a mission next year that will encompass a greenhouse in space so Runecast Analyzer is actually going to help us to grow food in space!"

Michael Szczuka, Senior Engineer, German Aerospace Center (DLR)

"Runecast Analyzer is the tool we always wanted from VMware."

Nicolas Maeder, Senior System Engineer, UMB AG































Runecast CONTEXT All vCenters MAIN MENU ⊗ Inventory view CONFIGURATION ANALYSIS **♦** Config KBs discovered **❸** Best practices **♦** Security hardening LOG ANALYSIS

Analyze now





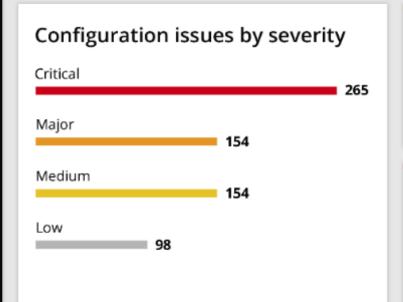




Day Week



Main Dashboard



Log issues

2

Security compliance
DISA STIG 6

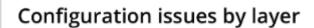
54%

Configuration issues

200

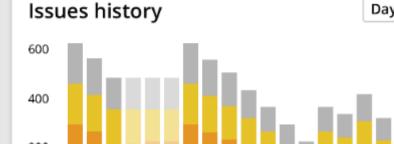
Best practice adoption



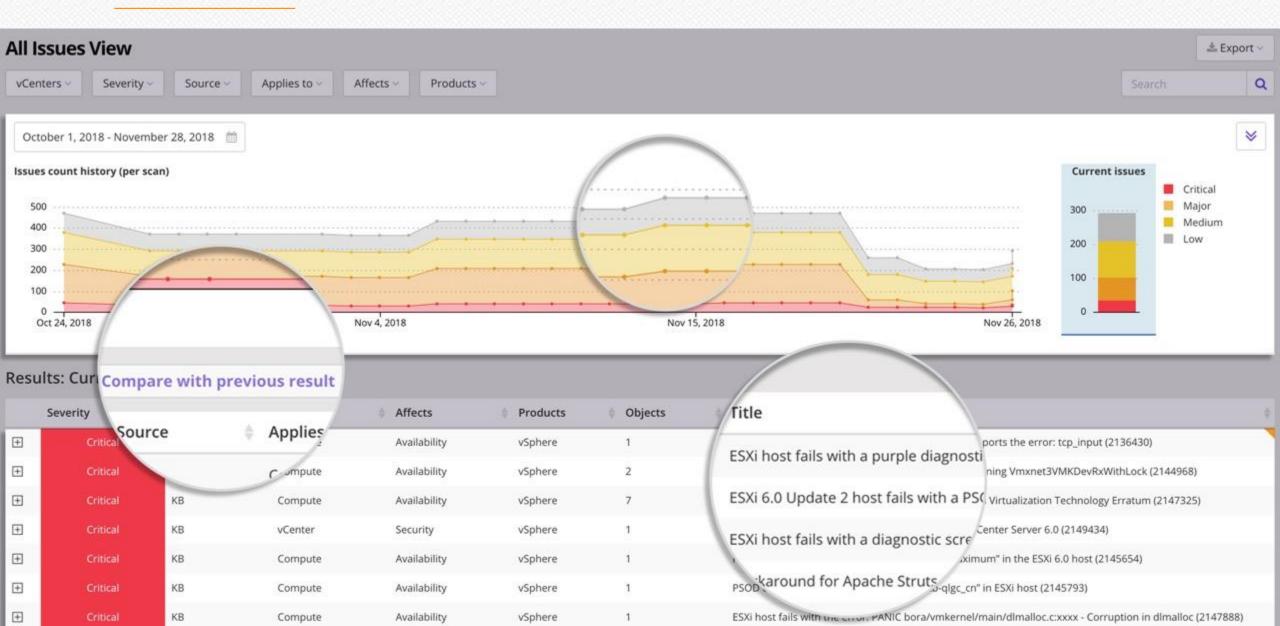




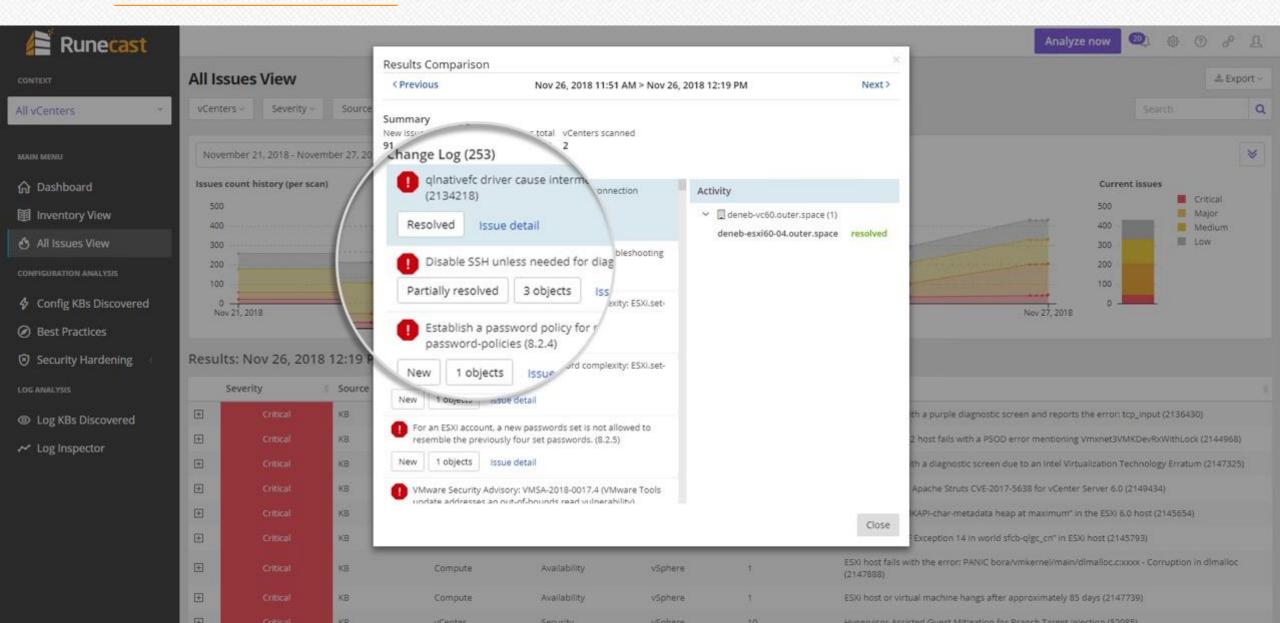




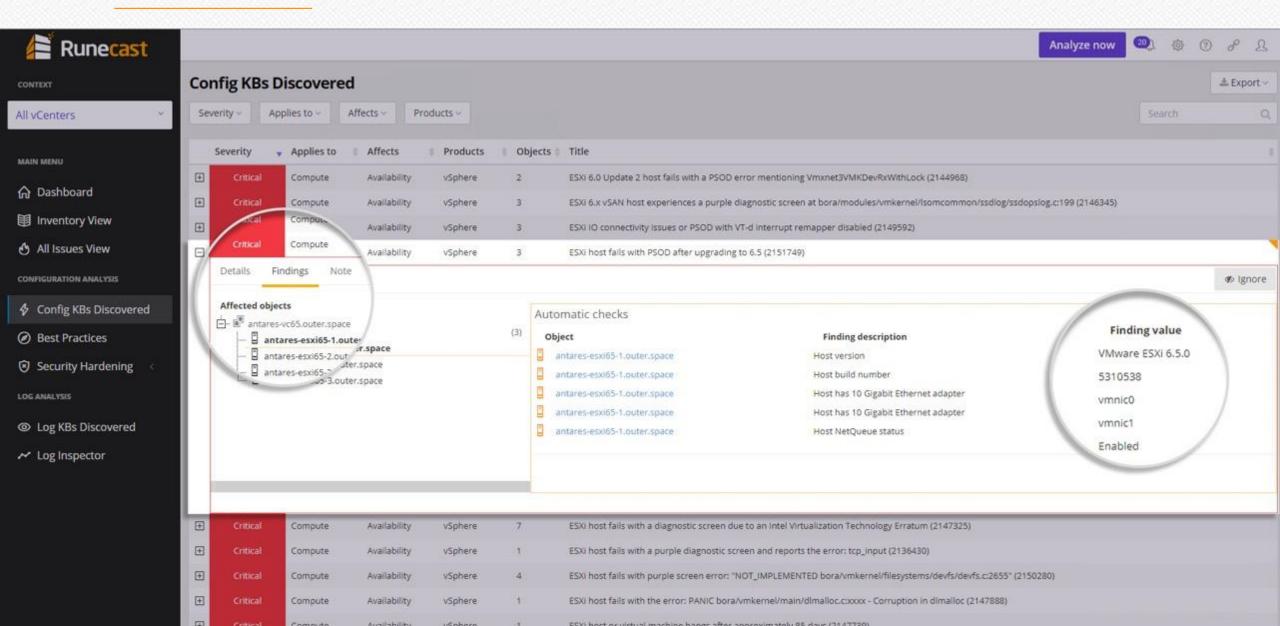




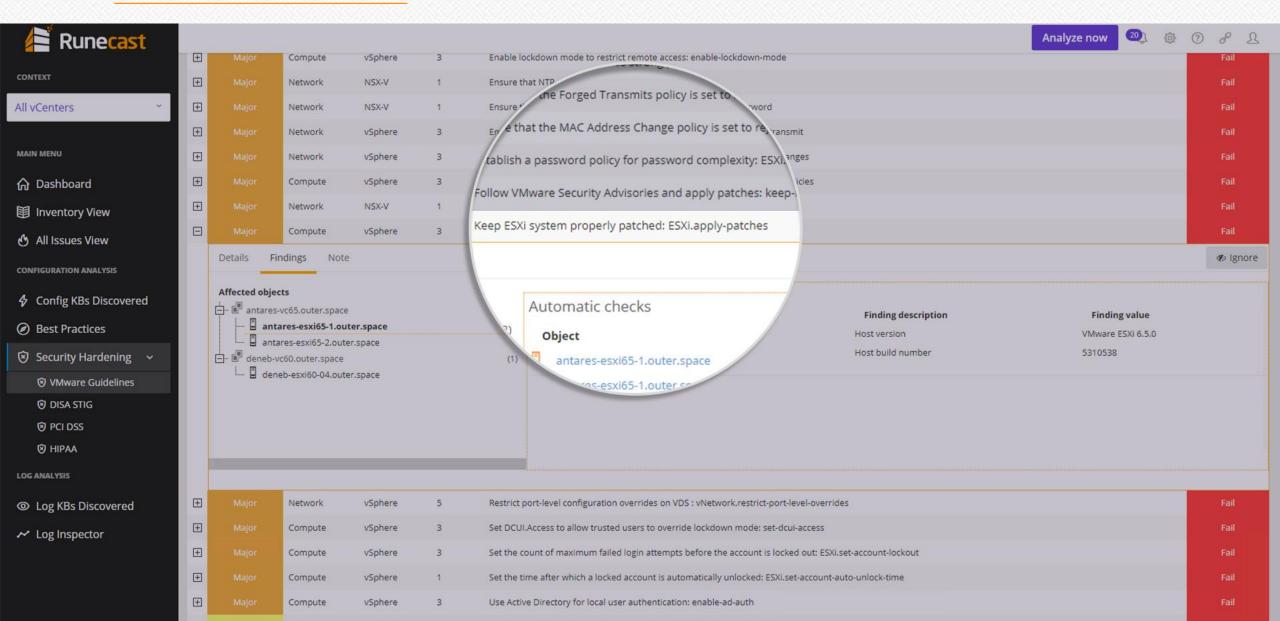
Historical Changes



Issue Details



Security Hardening

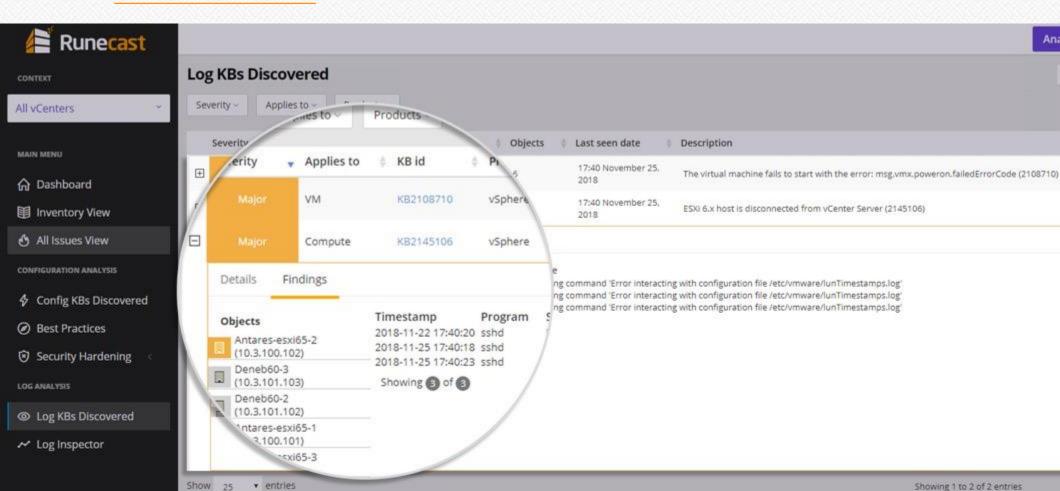


(a) (b) (c) (c) (d)

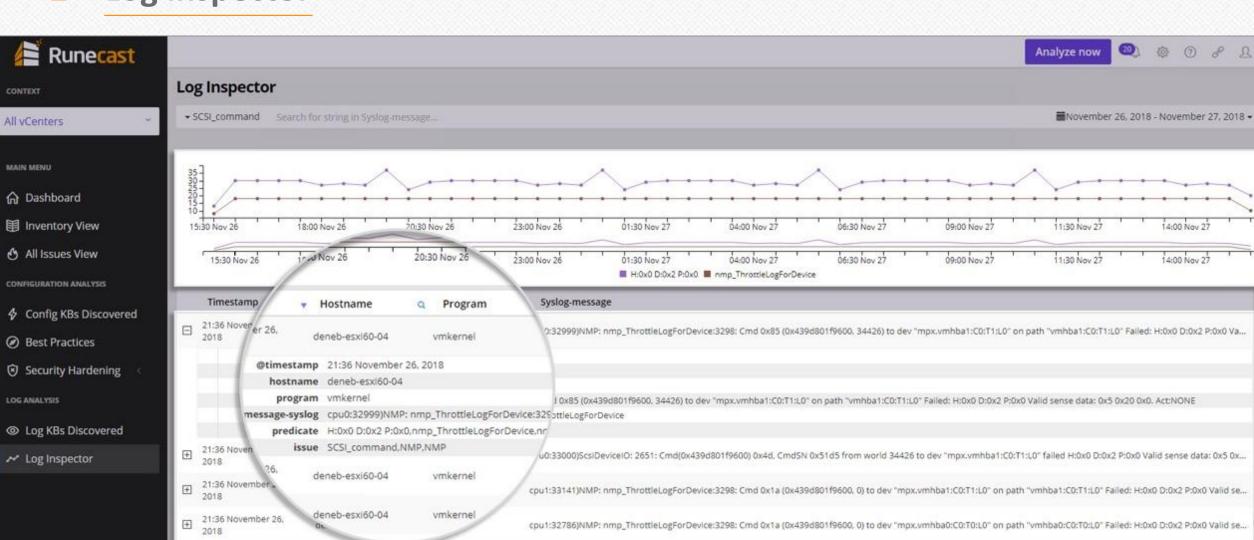
■ November 20, 2018 - November 27, 2018 -

Analyze now

Issues in logs



Log inspector



cpu1:32786)NMP: nmp_ThrottleLogForDevice:3298: Cmd 0x1a (0x439d801f9c00, 0) to dev "mpx.vmhba0:C0:T0:L0" on path "vmhba0:C0:T0:L0" Failed: H:0x0 D:0x2 P:0x0 Valid se...

cpu1:32815)NMP: nmp_ThrottleLogForDevice:3298: Cmd 0x1a (0x439d801f9c00, 0) to dev "mpx.vmhba1:C0:T1:L0" on path "vmhba1:C0:T1:L0" Failed: H:0x0 D:0x2 P:0x0 Valid se...

Showing 1152 of 1403

21:31 November 26,

21:31 November 26,

deneb-esxi60-04

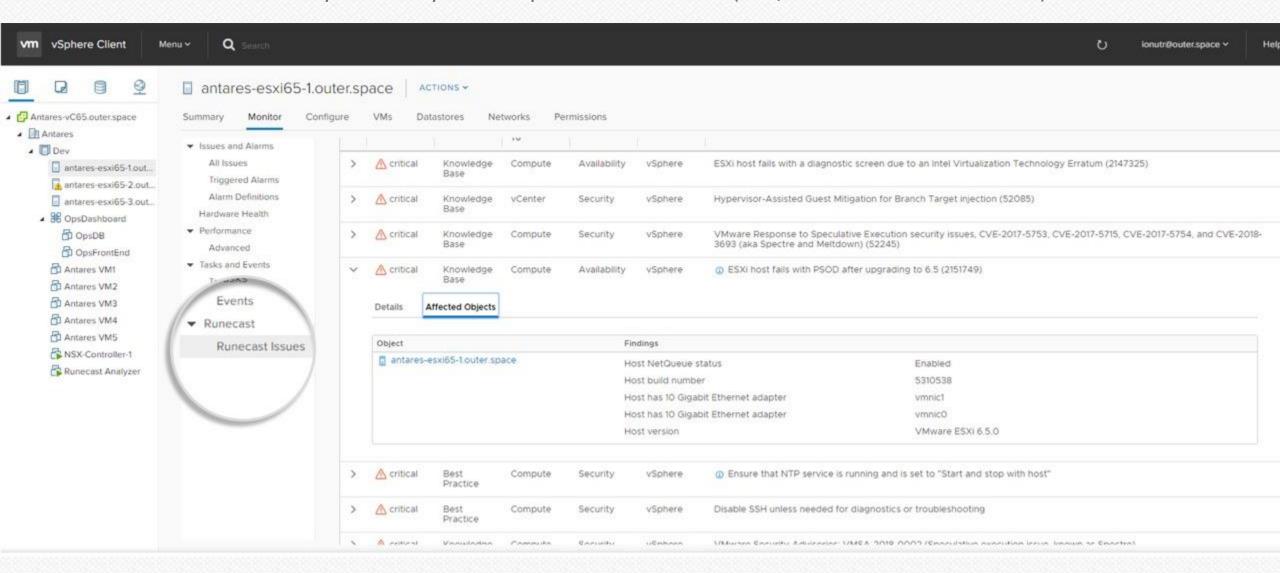
deneb-esxi60-04

vmkernel

vmkernel

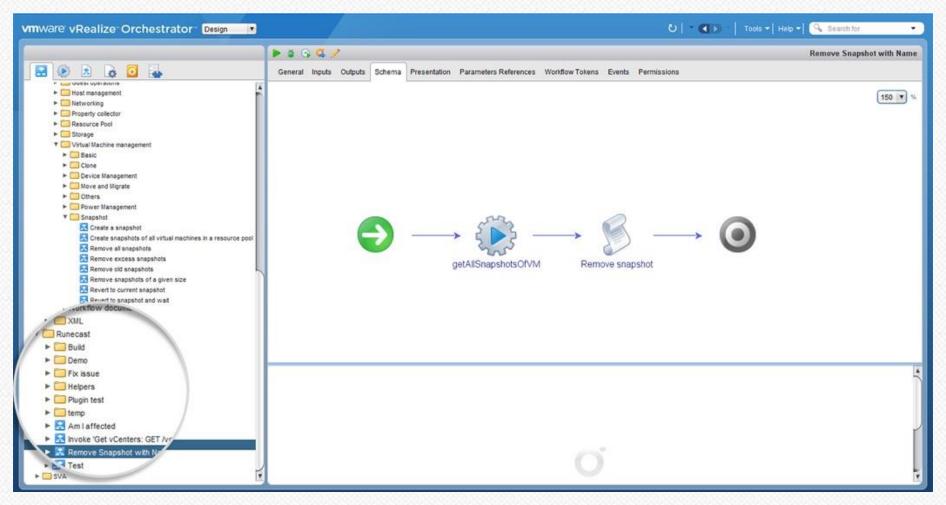
vSphere Web Client plugin

Access Runecast Analyzer directly in the vSphere Web Client UI (Flex/Flash and HTML5 versions).



vRealize Orchestrator plugin

vRO plugin for remediation workflows and automation leveraging Runecast Analyzer







How many issues can you prevent?

runecast.com

PRIANTO

Contact Prianto EMEA Runecast value-added distributor for further inquiries!

Thank You! – Let us know how we can assist you.

- Schedule deep dive with your team
- Feedback
- Ideas
- Additional questions

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