



uObserve™: Intelligent Full-Stack Observability for Nutanix Cloud Platform



IT teams have the mandate to resolve complex IT disruptions in their enterprise organizations, before they impact the organization. Business critical IT service and application disruptions cost enterprises revenue, operational setbacks, reputation and legal liabilities. Also, service disruptions can occur anywhere in the application dependency chain, and are extremely time consuming to pin-point root cause, resulting in finger-pointing among separate infrastructure and application teams without resolution.

Nutanix delivers solutions to elevate IT to focus on the applications and services that power business. At the heart is the Nutanix Enterprise Cloud Platform that natively converges several aspects of the datacenter infrastructure through a software-defined solution with rich machine intelligence. The Nutanix Enterprise Cloud Platform delivers the frictionless agility, simplicity and fractional consumption of public cloud services while providing platform choice, performance, security, and control within their datacenter.

Uila uObserve, the intelligent full-stack Observability Platform for the Nutanix Cloud Platform, correlates application and infrastructure performance to isolate and remediate issues before business impact. Organizations can align business applications and IT Operations in a single product with application visibility and correlated network, compute and storage insights for their Nutanix deployment. Uila uObserve complements Nutanix deployments with its end-to-end full-stack analytics for the Nutanix Enterprise Cloud Platform to reduce troubleshooting time from days to minutes, enabling lean IT teams to get time back for more strategic projects.



uObserve identifies blind spots in the infrastructure & assigned resources, and eliminates finger pointing between infrastructure and application teams with automated root cause and AIOps-based remediation actions. With this improvement in efficiency, IT teams can now focus on business accelerations projects vs day-to-day maintenance projects. Uila provides all of its observability, without the use of any agents, which makes roll-out very simple and cost-effective. For the "remote workforce", Uila provides reduced time to value with automated discovery and mapping of VDI components & deep insights into detailed VDI user sessions to help troubleshoot any problems faced by the workforce.

Uila is a Nutanix Technology Alliance Partner and is currently validated as Nutanix Ready (Core and AHV Integrated). These badges ensure that Uila has been tested and verified to work in the Nutanix environment. Uila is supported on the Nutanix Cloud Platform running VMware ESXi and Nutanix AHV for Prism Central .



Key Solution Benefit

The synergy between the Nutanix Cloud Platform and Uila offers enterprise IT users with the unique ability to resolve complex IT disruptions and achieving a high ROI. Here are the top benefits of the solution:

- Faster triaging of end-to-end service outages & poor performance issues using intelligent and automated remediation actions.
- Actionable full-stack performance and cyber-threat intelligence across the application, infrastructure, network and end-users in a single interface.
- Optimize application performance with the existing infrastructure resources with clear visibility into future needs, based on existing bottlenecks and hotspots.
- Reduction in time to discover & document application & server dependencies to monitor application health & faster troubleshooting.



Agentless Architecture for Faster & Efficient Rollouts



Agentless architecture to monitor your entire full-stack. This allows you to monitor your application workloads without any special approvals from application owners.

Built-in DPI-based Classification for 3,700 applications



Monitor and resolve downtime and slowdowns for more than 4,200 applications, including Web, databases, ERP, healthcare (HL7, Dicom), financial (FIX), industrial (Scada), and many more running in the Nutanix deployment. Applications are classified accurately based on Deep Packet Inspection (DPI), and not simple port numbers based on netflow (IPFIX).

Unique Full-Stack Root-Cause Analysis



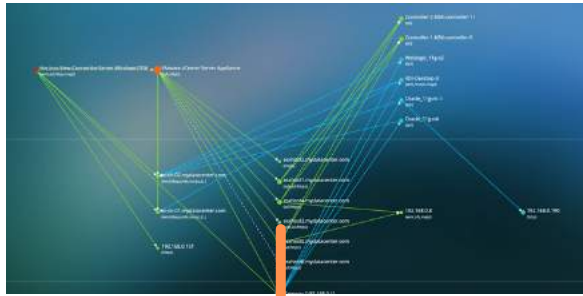
Automatically triage application outages and poor performance issues in a single click and an unified view across the application & the Nutanix virtual/physical network and infrastructure (compute & storage). No manual comparing of charts is needed.

End-to-end VDI Visibility



Monitor and troubleshoot Citrix XenDesktop and VMware Horizon VDI deployments with end-to-end application dependency visibility and user session information (Horizon only).

Automated Application Dependency Mapping



Automatically build and update end-to-end application & underlying Nutanix infrastructure dependencies for all VMs/servers in real-time. Also visualize deviations in dependencies to ensure policy adherence.



Directly isolate and pin-point root-cause for any application outage or slowdown directly from the map to compute, storage, virtual network, physical network or application itself. This helps avoid blame game between different teams within the organization.

Monitor Cyber Threats and East-West Network Traffic



Secure your Nutanix deployment from the inside, with application anomaly identification (monitor every subtle additions or modifications of dependencies), alerting to thousands of cyber threats (ransomware, malware, C & C, webshell, exploit kits, DoS, etc.), & data exfiltration activities of confidential corporate data. Also save packet and transaction data as forensic evidence.

Application-centric Network Monitoring



Detailed east-west (lateral) network traffic analysis to eliminate monitoring blind spots, and let IT teams see anomalous traffic between VMs. Pinpoint application performance bottleneck down to the physical network port (unavailable, congestion, errors) directly from the Application Dependency Map.



Visualization of Application Transactions



Real-time full visibility into application transactions, to identify individual application transaction challenges for any of the classified applications. Save transaction data as forensic evidence.

Automate IT Operations with Intelligent Remediations

```
Custom Script Library
Initiator Variables Script
Script Name power-off-vm
Build Script Content
Add Variable Select Variables
param C
  [Parameter(Mandatory=true)] [string]$vmName
get-vm $vmName -server $Global:viserver1 | Stop-vm -confirm:$false -server $Global:viserver1
Write-Output "Uila_OK"
```

Intelligent Alert-based triggers and Manual triggers to provide complete control in proactively preventing issues as well as streamlining problem resolution. Uila provides extensive agility and flexibility to IT teams to automate remediation actions, as well as configurations using its customizable scripting capability.

Log Analysis for Multi-Cloud

Type	Severity	Group	Source	Event ID	Message
Server	Warning	PLUSS VC: Cert Task	MSDP15W0229		Generating instance Publish VC Cert Task Instance at 04/18/2019 11:22:24 AM MSDP15W0229
Server	Warning	SimpleDiscoveryPhase			log-online-vm-Response4723780 Request from 10.3.2.100:80: 200 OK
Server	Warning	API-18			log-online-vm-Response4723780 Response 200 OK
Server	Warning	SimpleDiscoveryPhase			log-online-vm-Response4723780 Request from 10.3.2.100:80: 200 OK
Server	Warning	API-24			log-online-vm-Response4723780 Response 200 OK
Server	Warning	MessageAnalyticsSpool			Request server get operation: 0x0, 0x0
Server	Warning	MessageAnalyticsSpool			Request server get operation: 0x0, 0x0
Server	Warning	MessageAnalyticsSpool			Request server get operation: 0x1, 0x0
Server	Warning	MessageAnalyticsSpool			Request server get operation: 0x0, 0x0

Instant and automated access to out-of-box correlated and contextualized logs from multiple systems including Windows (Event and Active Directory), IIS servers, Zscaler, etc. and applications like Microsoft SQL server, VMware Horizon, IBM MQ, Oracle, Office 365, and much more.

Request free 21-day Trial now from:
<https://www.uila.com/uila-free-trial>

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