

Version 1.26
Release Notes – 08/08/2017

Table of Contents

New Features	1
Enhancements.....	4
Bug Fixes	4
Contact Uila Support	5
About Uila	5

New Features

- ***App Intelligence***

App intelligence provides deep insights and analytics into web and database application (HTTP, MySQL and Oracle) performance. This is done by collecting application response times through the network and by reading transaction codes and queries from the packet. The goal is to provide a deeper insights into client and server errors so that the issues can be narrowed down and mitigated.

There are 2 sections to the App intelligence page.

- ***Status code statistics*** – Displays the number of status code requests and responses collected per minute.

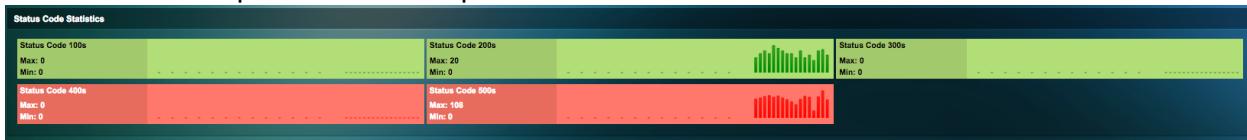


Fig 2: Status code statistics



- **Query Statistics** – Displays the application response times and counts per minute for various HTTP (GET, POST, HEAD) and SQL (INSERT, UPDATE, DELETE) queries.



Fig 1: Query and Network statistics

- **Network Statistics** – Displays network specific information such as transaction volume, network delay time and retry rates for the HTTP or database applications.





- **Alarm view**

Alarm view provides a simple tabular interface for data center operators to quickly identify bottlenecks and root causes based on alarm severity. The alarm severity is color coded to ensure the user is aware of the most severe problems in their environment.

Alarms								
Application (14)		Network (4)	CPU (2)	Memory (2)	Storage (0)			
Severity	Message	VM	Classifier	App Response Time	Baseline	Start Time	End Time	
■	Average https response time for Gateway [192.168.0.1] was 4081 msec.	Gateway [192.168.0.1]	https	4081ms	1832ms	06/07/2017 09:00 AM	06/07/2017 09:15 AM	
■	Average http response time for APP-LB-001 was 1919 msec.	APP-LB-001	http	1919ms	200ms	06/07/2017 09:45 AM	06/07/2017 10:00 AM	
■	Average http response time for Apache_2-4-a1 was 1937 msec.	Apache_2-4-a1	http	1937ms	200ms	06/07/2017 09:45 AM	06/07/2017 10:00 AM	
■	Average https response time for Gateway [192.168.0.1] was 3332 msec.	Gateway [192.168.0.1]	https	3332ms	1832ms	06/07/2017 09:45 AM	06/07/2017 10:00 AM	
■	Average ssh response time for Uila-vST-123456790-exchost5.mydatacenter.com was 9942 msec.	Uila-vST-123456790-exchost5.mydatacenter.com	ssh	9942ms	200ms	06/07/2017 10:00 AM	06/07/2017 10:15 AM	
■	Average https response time for Gateway [192.168.0.1] was 3247 msec.	Gateway [192.168.0.1]	https	3247ms	1832ms	06/07/2017 09:15 AM	06/07/2017 09:30 AM	
■	Average http response time for APP-LB-001 was 1926 msec.	APP-LB-001	http	1926ms	1919ms	06/07/2017 10:00 AM	06/07/2017 10:15 AM	
■	Average http response time for APP-LB-002 was 210 msec.	APP-LB-002	http	210ms	206ms	06/07/2017 10:00 AM	06/07/2017 10:15 AM	
■	Average http response time for Apache_2-4-a1 was 1929 msec.	Apache_2-4-a1	http	1929ms	1957ms	06/07/2017 10:00 AM	06/07/2017 10:15 AM	
■	Average http response time for Weblogic_11g-a2 was 195 msec.	Weblogic_11g-a2	http	195ms	190ms	06/07/2017 10:00 AM	06/07/2017 10:15 AM	
■	Average https response time for Gateway [192.168.0.1] was 3458 msec.	Gateway [192.168.0.1]	https	3458ms	3332ms	06/07/2017 10:00 AM	06/07/2017 10:15 AM	
■	Average http response time for APP-LB-002 was 208 msec.	APP-LB-002	http	208ms	200ms	06/07/2017 09:45 AM	06/07/2017 10:00 AM	
■	Average http response time for Weblogic_11g-a2 was 190 msec.	Weblogic_11g-a2	http	190ms	200ms	06/07/2017 09:45 AM	06/07/2017 10:00 AM	
■	Average smb response time for Apache_2-4-a2 was 196 msec.	Apache_2-4-a2	smb	196ms	200ms	06/07/2017 09:45 AM	06/07/2017 10:00 AM	

Fig 3: Alarm View tabular interface

- **Exporting Network conversations into CSV**

The “Save with CSV” button has been added on to the Network conversation table. This allows the user to export the network conversation table into an excel spreadsheet.

Flow Analysis								
Network Conversation		Network Table		Alarms				
Top N Chord		Top N Sankey		Table				
<input checked="" type="button"/> Save with csv								
Filter VM A		Filter VM B		Filter Service		Service		
VM A		VM B		Total Traffic	A → B	B → A	RTT	Fatal Retry
APP-LB-001		Zimbra_8-0-s1 ([test+name])		913.36 KB	674.67 KB	238.69 KB	0 ms	0/0
		Gateway [192.168.0.1]		2.11 KB	1.05 KB	1.05 KB	0 ms	0/0
		sc-do-01.mydatacenter.com		667 B	399 B	288 B	N/A	0/0
		Apache_2-4-a1		31.91 MB	31.04 MB	891.38 KB	0 ms	0/0
APP-LB-002		Weblogic_11g-s1		134 B	74 B	60 B	N/A	0/0
		Weblogic_11g-a2		687.59 MB	684.65 MB	2.94 MB	0 ms	0/0
		Gateway [192.168.0.1]		2.64 KB	1.41 KB	1.23 KB	0 ms	0/0
		sc-do-01.mydatacenter.com		407 B	263 B	144 B	N/A	0/0
APP-LB-102		sc-do-01.mydatacenter.com		272 B	272 B	0 B	N/A	0/0
		Gateway [192.168.0.1]		720 B	360 B	360 B	0 ms	0/0
Apache_2-4-a1		sc-do-01.mydatacenter.com		756 B	498 B	258 B	N/A	0/0
		Gateway [192.168.0.1]		770 B	360 B	360 B	0 ms	0/0

Fig 4: Save with CSV button

- **Active Directory integration for Uila's On-premise Uila Management and Analytics system**

Users can integrate their existing Active directory login information with Uila for a simple and effective way to grant or revoke access with the policies already in place.



Enhancements

- **UILP-3282 - Single VST deployment per host** – Users can now deploy a single VST per host instead of one vSwitch per host.

The screenshot shows the Uila web interface under the 'Settings' tab, specifically the 'VST Configuration' section. At the top, there's a header with tabs like 'VST Configuration', 'Alarm Configuration', 'Software Update', etc. Below this is a 'License Usage (CPU socket)' section showing an active license of 300, current usage of 5, and available capacity of 295. A note says 'License usage verify succeed.' The main area is titled 'VST Configuration' and contains a table. The table has columns for 'Cluster', 'Host', 'CPU Socket', 'VST Configuration', 'Action', 'vSwitch/dvSwitch', and 'VST Status'. There are three hosts listed under an 'HA-Cluster': 'esxhost1.mydatacenter.com', 'esxhost2.mydatacenter.com', and 'esxhost3.mydatacenter.com'. Each host has a single CPU socket (value 1). Under 'VST Configuration', each host has a 'Configuration' button. The 'Action' column for host 1 shows several options: 'Select an action', 'dVSwitch1', 'vSwitch1', 'vSwitch0', 'vSwitch1', 'vSwitch0', 'vSwitch1', 'vSwitch0', 'vSwitch1', and 'vSwitch1'. The 'vSwitch/dvSwitch' column lists 'DSwitch-NSX', 'dVSwitch1', 'vSwitch1', 'vSwitch0', 'vSwitch1', 'vSwitch0', 'vSwitch1', 'vSwitch0', 'vSwitch1', and 'vSwitch1'. The 'VST Status' column for all entries is 'ACTIVE'.

Fig 5: Single vST per host

- **UILP-3875 - Support process monitoring on FreeBSD OS** – Uila now supports process monitoring for FreeBSD OS. Under the “Critical Resources” menu item, all processes including FreeBSD CPU and memory usage can be viewed.
- **UILP-3892 - Performance enhancement on “critical resource” view** - The performance of the “critical resources” view when loading multiple VM’s in a group has been enhanced.

Bug Fixes

- ***Deployment failure in NSX environment*** – This defect has been resolved by enabling port mirroring from the VM’s to the vST.
- ***Failure to install an external vST with more than 5 Ethernet interfaces***



Contact Uila Support

Uila software solutions are designed with ease of installation and simplified maintenance in mind. The Uila team is dedicated to exceeding your expectations, and knows that any downtime is too much in today's competitive world. Our goal is to keep your applications running 24 X 7. We offer a simple and effective support program to meet your needs. Customers who purchased Uila products and under support contract will receive the following benefits:

- Unlimited support via email or phone call
- Free software minor release update
- Free software major release upgrade

Email: support@uila.com

Phone: (408) 819-0775

About Uila

Uila gives IT infrastructure teams x-ray vision for their data center operations and end user experience. Designed for Private, Public and Hybrid Cloud environments, Uila's Application-Centric Data Center Infrastructure Monitoring and Analytics provide instant visibility into hotspots and bottlenecks in any data center. Uila provides service dependency mapping, full stack correlation with 1-click root cause analysis and patented deep packet inspection technology that understands over 2,700 application protocols for transactional meta data analysis. Businesses use Uila to align themselves with their IT Operations team and cut time to resolution from days to minutes, keep their application at peak performance at all time and ensure end-user satisfaction to the fullest.