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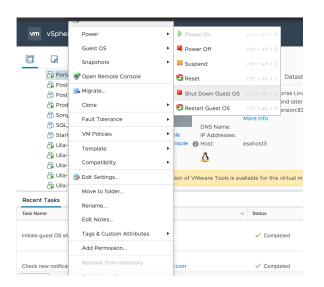


Important Notes before you start using the new version

• For existing users, we strongly recommend that you allocate an additional 4 GB memory to your currently allocated resources for the Uila Virtual Information Controller (VIC).

All other system requirements stay the same. Also, users that use Uila for Public Cloud Monitoring, do not need to make this change.

Here are the instructions on how to increase the memory.



1) Shut down the VIC from vCenter

2) Go to edit settings and increase memory by 4 GB





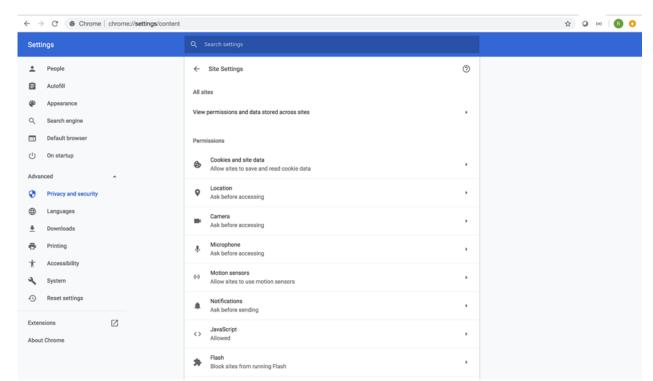
- 3) Power on VIC
- In order to maintain backward compatibility with all historic data kept in the web browser, you must follow the steps below.

For your Google Chrome browser:

1. Go to settings of the browser, expand Advanced, click "Site Settings".

← → C @ Chrome chrome://settings								
Settings	Q Search settings							
People								
â Autofill	Advanced •							
Appearance	Privacy and security							
Q Search engine Default browser	Sync and Google services More settings that relate to privacy, security, and data collection	•						
(U) On startup	Allow Chrome sign-in By turning this off, you can sign in to Google sites like Grnail without signing in to Chrome	-						
Advanced •	Send a "Do Not Track" request with your browsing traffic							
Languages	Allow sites to check if you have payment methods saved	-						
Downloads	Preload pages for faster browsing and searching Uses cookies to remember your preferences, even if you don't visit those pages	-						
Printing Accessibility	Manage certificates Manage HTTPS/SSL certificates and settings	Ø						
System Reset settings	Manage security keys Reset security keys and create PINs	,						
Extensions [Site Settings Control what information websites can use and what content they can show you	,						
About Chrome	Clear browsing data Clear history, cookies, cache, and more	,						
	Languages							

2. Under "Site Settings", click "View permissions and data stored across sites.



3. Search for all records for portal.uila.com and clear data for it

Settings		
People	← All sites	Q portaLuila.com
Autofill	Sort by Most visited 👻	
Appearance	Sort by Most visited -	
Q Search engine		
Default browser	 uila.com 5.1 KB · 3 cookies 	Reset permissions
() On startup		Clear data
Advanced		
Privacy and security		
Languages		
▲ Downloads		
🖶 Printing		
T Accessibility		
🔧 System		
S Reset settings		
Extensions [2]		

4. Exit the browser and relaunch it.

For your Mozilla Firefox browser:

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1. Open Firefox menu and click "Preferences".



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	e Restaurants Are	Want to Fall in L	ove With Your		ake Your Next 1	ab				
Closing	. That's a Good Thing,	Partner Again?	Science Says to	o Le	monade.com a	nd Get a				
	ners Say.	Ask Them Thes	e 36 Questions	Re	enters Policy in	Seconds.				
The shar	e of Chinese restaurants has	Love is more than a	a feeling; it's a	Co	verage starting at	\$5/Month. Ch	neck			
fallen in r	metro areas across the	choice.		our	r prices.					

2. Select Privacy & Security, scroll down to "Cookies and Site Date", click "Manage Data".

💭 Commits · uilanetworks/Web 🛛 🗙 🔥	Log in to continue - Log in with / × ☆ Preferences × +					
← → C' û Ú Firefox	about:preferences#privacy		✿ Q Search	\ ⊡	۲	≡
🌣 Most Visited 🐮 Congratulations! Yo						
		Q. Find in Preferences				
General	Stronger protection, but may cause some sites or content to br	eak.				
Home	Custom	~				
Q Search	Choose which trackers and scripts to block.					
Privacy & Security	Send websites a "Do Not Track" signal that you don't want to be trac	ked Learn more				
C Sync	Always					
	 Only when Firefox is set to block known trackers 					
	Cookies and Site Data					
	Your stored cookies, site data, and cache are currently using 80.6 ME	3 Clear Data				
	of disk space. Learn more	Manage Data				
	Delete cookies and site data when Firefox is closed	Manage Permissions				
	Logins and Passwords					
	✓ Ask to save logins and passwords for websites	Exceptions				
	✓ Autofill logins and passwords	Saved Logins				
* Extensions & Themes	✓ Suggest and generate strong passwords					
⑦ Firefox Support	Show alerts about passwords for breached websites Learn	more				
	Use a master password	Change Master Password				

3. Type Uila portal URL into the search bar and select the site and choose "Remove Selected" and hit "Save Changes".

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Commits · uilanetworks/Web X	Log in to continue - Log	in with A X Preference	ces	× +			
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Q Search	Cookies and	The following websites persistent storage until		-			
Privacy & Security	Your stored co	needed.					
Sync	of disk space.	Q portal.uila.com					8
	Delete cod	Site		Cookies	Storage	▼ Last Used	b
		portal.uila.com		2		21 second	ds ago
	Logins and						
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	Show						
	Use a ma						
		Remove Selected	Remove All Showr	1			
	Forms and					Cancel S	ave Changes
	Autofill ac						1.

4. Close all existing Uila tabs and reopen Uila portal.

New Features

• VMware Horizon® VDI user session visualization

With the integration with VMware Horizon, Uila users can visualize individual VDI sessions for Horizon 7.x for faster troubleshooting at the end-user level. You can now easily visualize if issues are with an individual end-user or a group of users. Uila users can visualize the username, associated virtual desktop VM, session start time, pool or farm information, etc. Also, for the associated virtual Desktop VM, users have full visibility into the associated alarms, conversation, infrastructure resources, applications in use and process information.

Filter VM	lame	Filter Pool or Farm									
		Pool or Farm	Start Time	Network Health	CPU Health	Memory Health	Storage Health	Action			
Administrator VDI-Deskto				80 49 ms 28 B/s	100 C	100 C	100	\$			
Administrator VDI-Deskto				85 46 ms 62 B/s	····	····	100				
DNS Use us Use us HTTP Alarms Dependent Services Conversation Network CFU Memory Storage Process Database Dependent Services Conversation Network CFU Memory Storage Process											
Whare											
			sc-dc-01. (dap.smb.r	mydatacenter.com mrpcdns,k.)		sc-dc-02.mydatacenter.i (dap.smb.dns)	com				
			Gateway	(192.168.0.1) ns/mpss.)							
								ld.			
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C sc ck 01 mydazenter.com msrp											
F1				VD/Dextop1							
	pendent Services Conversation	pandent Services Conversation Network CPU Memory	pendent Services Convertation Network CPU Memory Storage Process	pandent Services Conversation Network (PU Memory Storage Process	pendent Services Conversation Network CPU Memory Sorage Process VPL-Deakop1 	pendent Services Conversation Network CPU Memory Storage Process VOR-Darktop:1 	pendent Services on mersation Network CPU Memory Sorage Process	pendent Services Conversation Network CPU Memory Sorage Process VPL-Deakop1 			

You can enable this integration by providing your Horizon VDI credentials from "Global Configuration" in the Settings menu.



• New Network Device Dashboard

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A new Dashboard focused on Network Device has been added. With this Dashboard, users have the list of Network Device ports that are down, plus metrics on the ports that have been marked as "favorite" from the Network Device screen.

🚯 uila	Last Update Time : 05/26/2020 10:33 AM			•
🔍 uila	Network Device Port Down			
multi-DC ~ (view)	Device A	Port	Last Check C	Duration O
	ProCurve 2524		05/26/2020 09:48:57 AM	93d 2h 25m 54s
💮 Dashboard 🛛 🕀	IAD1BSWD01P	Ethernet1/24	05/26/2020 09:48:57 AM	93d 2h 25m 54s
Performance	Cisco C3560	FastEthernet0/6	05/26/2020 09:48:57 AM	93d 2h 25m 54s
Security	IAD18SWD01P	Ethernet1/32	05/26/2020 09:48:57 AM	93d 2h 25m 54s
Network Device	Tanga	Ethernet0	05/26/2020 09:48:57 AM	93d 2h 25m 54s
Application	IAD185WD01P	Ethernet1/8	05/26/2020 09:48:57 AM	93d 2h 25m 54s
	cisco-7513	FastEthernet12/0	05/26/2020 09:48:57 AM	93d 2h 25m 54s
Dependency Mapping Transaction Analysis	cisco-7513	FastEthernet12/1	05/26/2020 09:48:57 AM	93d 2h 25m 54s
DNS	cisco-7513	Ethernet8/3	05/26/2020 09:48:57 AM	93d 2h 25m 54s
HTTP	cisco-7513	Ethernet8/2	05/26/2020 09:48:57 AM	93d 2h 25m 54s
Database	Router (ubnt / eth0)	For SY (cisco-cat6509 / 10/100 utp ethe)	🖍 🗙 Egress SD-WAN (ubr	nt/eth1) 🗸 🗙
Service Grouping	In Octets	In Octets	In Octets	
Service Availability	In Octets Max: 637.5 K Min: 113.2 K		Max: 8.4 M Min: 592.0 K	
User Experience	Out Octets	Out Octets	Out Octets	
Horizon VDI	Max: 8.1 M Min: 471.1 K	- N/A N/A	Max: 660.7 K Min: 146.9 K	
♥ Security	Justin-port (switchfc63b9 / gigabitethernet)	-* × 潮試1231@#\$% (switchfc63b9 / gigabitethernet) 🖍 🗶	
Application Anomaly	In Octets Max: 64.1 M Min: 42.2 M	In Octets Max: 747.8 K		
Threat Detection				
Exfiltration Map	Out Octess Max: 24.6 M Min: 12.6 M	Out Octets Max: 8.8 M Min: 593.4 K		
🖬 Infrastructure 🛛 🕀				
Network Analysis				

Ports can be added to "Favorites" by clicking on the star button as shown below. Also a new tab with the favorite ports appears on the Network Devices screen.

Uila Release Notes v3.5



Statistics Connected VMs/Devices Threshold Settings 5: up. 10 Maps								
In Util Pct Max: 0 % Min: 0 %		In Discards Max: 0 Min: 0		In Errors Max: 0 Min: 0				
Out Util Pct Max: 0 % Min: 0 %		Out Discards Max: 0 Min: 0		Out Errors Max: 0 Min: 0				
In Octets		In Ucast Pkts		In N-Ucast Pkts				

Enhancements

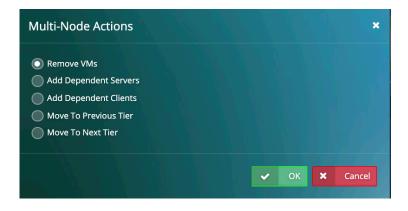
• Service Grouping enhancements

The creation of new service groups is now consolidated into a single menu, as compared to 3 different buttons in the previous releases.

Realtime On 🕑 05/26/2020 10:24	AM - 05/26/2020 10:39 AM - 🔍 🗮 📥 🏠	
n durdu ro drum'i	Config Service Group ×	a standard (* med s
12 PM	Group Type Group Name Group Name	
🗱 🕂 New Group 🛱 Import	Multi-Tier	
🛊 1Kiii (2 VMs – Multi-Tier)	Dynamic Multi-Tier Port Group	
10:24 10:25		10:37 10:38
🛊 Adam_Dynamic (2 VMs — [

You also have the choice of creating the "Multi-tier" group or the "Dynamic Multi-tier" group.

In the "Multi-tier" group option, you are guided through the addition of VMs/servers within your group. Once the VMs are added at a particular tier, you have the option to add dependent servers/clients or move the existing VMs/servers to different tiers using the Rubber-band selection over the current servers.





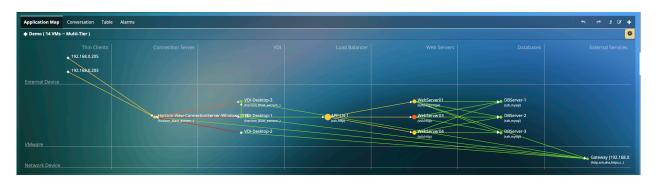
It is recommended that you start from the front-end and then move towards the backend and add Dependent Servers/Clients along the way.

<u>Note:</u> If you have created Service Groups in v3.4 based on the Multi-tier group creation, certain VMs/servers maybe assigned to incorrect Tiers. You will need to move them into the correct tier using the Rubber-band selection as shown in the image above.

In the "Dynamic Multi-tier" group option, similar to the previous release, you can select VMs/Servers based on the applications. At the end, you do have the option to name your Tier levels. This mode is very beneficial to VDI environments, where there are Non-persistent Desktop options being used, where Uila can automatically keep track of and add new VMs/Servers as they are introduced at any tier.

	Config Service Gro	
	1 Group Type	2 Group Name 3 Tier Rules 4 Tier Names ← Prev Completed →
ort	Tier 1:	Web Servers
<u>)</u>	Tier 2:	DataBase Servers

Finally, when built out, the Dependency Map would show up with the multiple tiers separated out using vertical separators as shown in the figure below.



Also, "admins" now have the option of exporting the service groups to other Uila users. Non-admins can import service groups from their peers (NOT Admins) by using the Import Group button.



• Server Down alarm notifications

Users can now receive notifications for the Server Down alerts.



Alarm Action Configuration		×
1 Type 2 Severity	3 Entity 4 Recipients	← Prev Next→
Select Alarm Type		
Server	СРИ	Network Device
Service Down	Usage	In Utilization
Server Down	CPU Ready	In Discards
Application	Memory	
Application Response		Out Utilization
Network	CPU Swap Wait	Out Errors
Fatal Retries	Storage	Port Down
Virtual Packet Drop	Read Latency	Application Anomaly
Round-Trip Time	Usage	Application Map Deviation (Critical Only)
System		Cyber Threat Event (Critical Only)

• Filtering by node limit on Network Analysis and Storage Analysis Users can now filter the number of nodes that can be viewed on the Network and Storage Analysis. The options include 100 nodes, 200 nodes and All nodes. The N nodes, is dependent on traffic volume on the Network Analysis page, and IOPS on Storage Analysis.

IOPS Performance	Capacity Us	age				
Activity vDisk	Host/VPC	Datastore	Alarms			
Data Center					×	Actions
						Filter By Top N Nodes
Physical Disk			Datastore	Host/VPC	VM	All 🗸
						Zoom
						•
						scsi0_2
						scsi0_4- scsi0_5 -
						scsi0_6
						scsi0_9 scsi0_14 scsi0_15

• Support for vSphere Virtual Volumes (vVol)



This release has added vSphere Virtual Volumes (vVol) support to allow monitoring of vVol datastores and virtual machines. You can now identify latency and IOPS, that show bottlenecks within the vVol storage environment.

• Apply thresholds to multiple VMs

You can now apply thresholds for alerts to multiple VMs at the same time.

Threshold Settings ×								
1 VM 2 Threshold								
Data Center 🔹	Multi-DC							
	Select All Deselect All Total Selected: 0 selected.							
Filter VM								
VM								
192.168.0.150								
192.168.0.203								
192.168.0.207								
2047479855A2								
244-vdev-centos								
3417EBF0C993								
APP-LB-001								
APP-LB-1								
APP-LB-1001								
APP-LB-101								
APP-LB-102								
Total: 109 records.								

• Apply individual thresholds for Disk usage You can now apply individual thresholds for Disk Usage in Storage analysis.

Bug Fixes

- Fixed OracleDB and MySQL meta-data for transaction analysis.
- UMAS is now supported to work with the latest CentOS.
- Fixed wrong host memory usage reporting under certain scenarios.
- Improvement of protocol classification for certain applications and protocols.
- Fixed Minor -1 for fatal retries and virtual packet drops issues.
- Fixed issue where a single-click for scheduled reports was generating multiple reports.



Known Issues

- In certain situations, the vST configurations may sometime get lost in the UI.
- Rescheduled reports may make the UMAS disk full.
- The vST configuration page flips between "one row for a host" and "multiple rows for a host"
- In the multi-Data Center setup, when a vST has multiple interfaces, the 2nd and 3rd interface would show up as inactive.
- After recovery from a connectivity issue, in certain situations the vSAN storage stats are not restored.
- PDF reports may grow too big to be delivered by email.
- Some data loss may occur due to vMotion on the Uila VIC (Virtual Information Controller)
- VM resource Report doesn't work for multi-tier service group

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:

- 24 X 7 support
- Unlimited support via email or phone call
- Free software minor release update
- Free software major release upgrade

Email: <u>support@uila.com</u> Phone: (408) 819-0775

About Uila

Uila provides Performance and Cyber Threat Analytics in a single pane of glass for the Hybrid Enterprise. With Uila, IT Operations teams can visualize application workload dependencies across cloud platforms, right-size resources and investments for their workloads and plan workload migration strategies for Hybrid and Multi-Cloud deployments. Uila allows security teams to combat advanced cyber threats by providing immediate and comprehensive application-centric insight into lateral movement-based threats for the Hybrid Enterprise. Businesses use Uila to align themselves with their IT teams and cut time to resolution from days to minutes, keep their application at peak performance and secure at all times and ensure end-user satisfaction to the fullest across cloud boundaries.

