



Version 1.28
Release Notes – 12/22/2017

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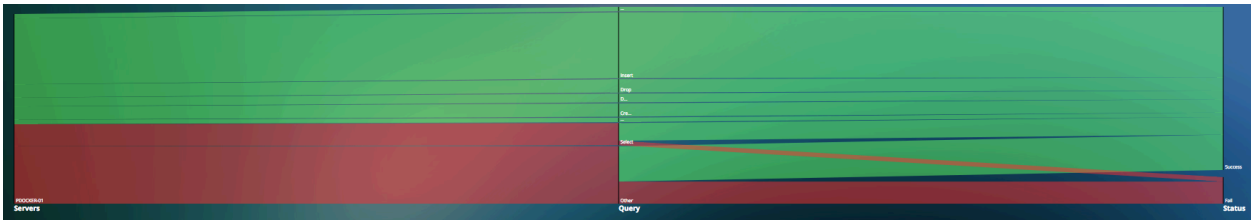
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New Features (Applicable to both SaaS and On-Prem users)

- **Added support for DNS and MS SQL in transaction analysis**

DNS and MS-SQL transaction analysis provide deep insights into DNS and MS SQL application performance by collecting application response times through the networks and transaction codes and queries.

- **MS SQL** – Displays the query statistics for common queries such as CREATE, INSERTS and SELECTS.



- **DNS** – Displays the query statistics for common queries such as LOOKUP, SERVICE and MAIL.



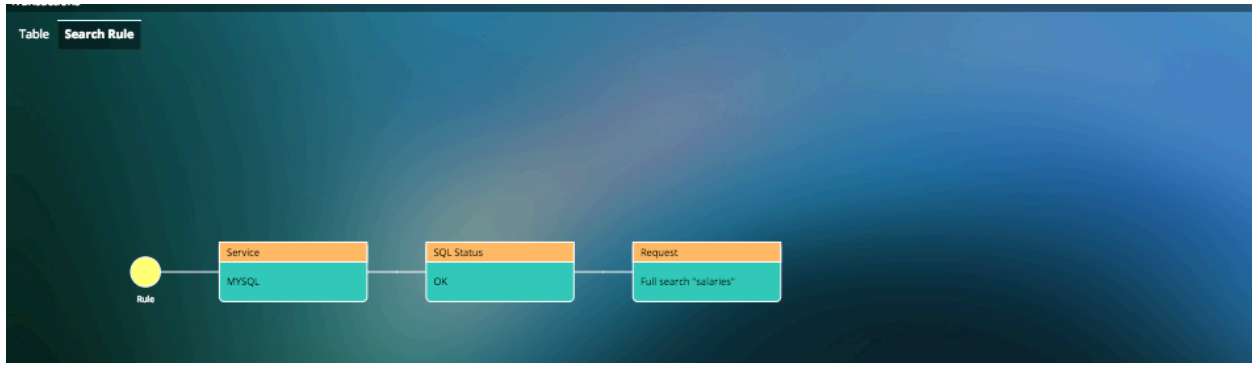
- **Transaction Log** – In addition to transaction analysis, users now have the option to look into individual transaction relevant information for databases, web applications and DNS. This will provide insights for users on failed transactions and further reduce the time required to troubleshoot application issues.

Client	Server	Service	EURT	ART	Net Delay	Request	Response	Traffic	Retry	Zero Win.	Start Time	End Time
dbserver (192.168.0.26/57468)	so-dc-01.mydatacenter.com (192.168.0.20/53)	dns	0.430	0.430	0.000	QUERY dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24	RESPONSE No such name dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24 Authoritative Name Server	528	0	0	12/16/2017 11:59:59.999.258 PM	12/16/2017 11:59:59.999.688 PM
dbserver (192.168.0.26/39303)	so-dc-01.mydatacenter.com (192.168.0.20/53)	dns	0.407	0.407	0.000	QUERY dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24	RESPONSE No such name dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24 Authoritative Name Server	264	0	0	12/16/2017 11:59:59.993.734 PM	12/16/2017 11:59:59.994.141 PM
dbserver (192.168.0.26/59344)	so-dc-01.mydatacenter.com (192.168.0.20/53)	dns	0.372	0.372	0.000	QUERY dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24	RESPONSE No such name dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24 Authoritative Name Server	264	0	0	12/16/2017 11:59:59.990.884 PM	12/16/2017 11:59:59.991.256 PM
dbserver (192.168.0.26/36226)	so-dc-01.mydatacenter.com (192.168.0.20/53)	dns	0.504	0.504	0.000	QUERY dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24	RESPONSE No such name dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24 Authoritative Name Server	264	0	0	12/16/2017 11:59:59.881.745 PM	12/16/2017 11:59:59.882.249 PM
dbserver (192.168.0.26/38863)	so-dc-01.mydatacenter.com (192.168.0.20/53)	dns	0.427	0.427	0.000	QUERY dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24	RESPONSE No such name dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24 Authoritative Name Server	264	0	0	12/16/2017 11:59:59.863.204 PM	12/16/2017 11:59:59.863.631 PM
dbserver (192.168.0.26/59046)	so-dc-01.mydatacenter.com (192.168.0.20/53)	dns	0.394	0.394	0.000	QUERY dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24	RESPONSE No such name dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24 Authoritative Name Server	264	0	0	12/16/2017 11:59:59.849.168 PM	12/16/2017 11:59:59.849.562 PM
dbserver (192.168.0.26/51054)	so-dc-01.mydatacenter.com (192.168.0.20/53)	dns	0.395	0.395	0.000	QUERY dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24	RESPONSE No such name dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24 Authoritative Name Server	264	0	0	12/16/2017 11:59:59.837.992 PM	12/16/2017 11:59:59.838.387 PM
dbserver (192.168.0.26/41439)	so-dc-01.mydatacenter.com (192.168.0.20/53)	dns	0.445	0.445	0.000	QUERY dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24	RESPONSE No such name dns[query]:24.0.168.192.in-addr.arpa Domain name pointer 192.168.0.24 Authoritative Name Server	264	0	0	12/16/2017 11:59:59.822.853 PM	12/16/2017 11:59:59.823.098 PM

To enable this feature, vST's need to be redeployed and "Enable transaction analysis"

- **Search Engine for Application Transaction Metadata**

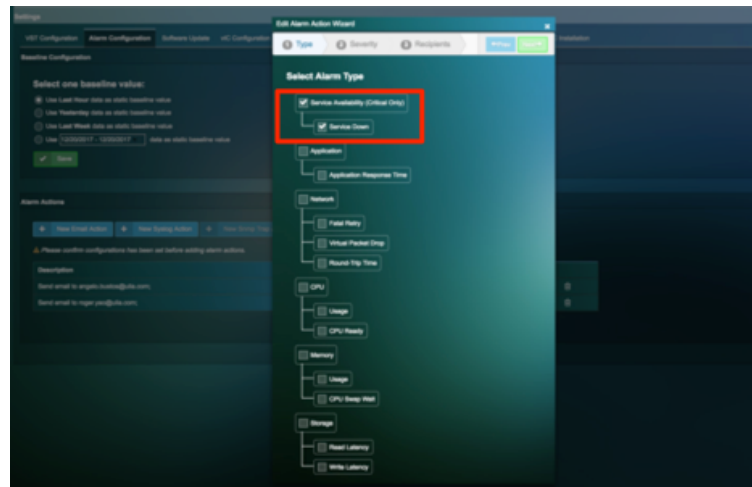
Users can now search for specific metadata (text) across a multi-tier application chain. For example, you can search for any specific keyword across the datacenter transactions. In the screenshot below, we have used "salaries" as an example.



Client	Server	Service	EURT	ART	Net Delay	Request	Response	Traffic	Rate	Zero Wts.	Start Time	End Time
wsrver (192.168.0.2442543)	dsoner (192.168.0.26/3306)	mysql	347.200	347.168	0.032	mysql[request(mysql_query)]select * from employees.salaries RIGHT JOIN (SELECT emp_no from employees.employees where emp_no=0)	mysql[result_set(mysql_query,number_columns)5] mysql[number_rows]10	503	0	0	12/21/2017 01:54:05.248:500 PM	12/21/2017 01:54:05.495:718 PM
wsrver (192.168.0.2442542)	dsoner (192.168.0.26/3306)	mysql	246.116	245.994	0.122	mysql[request(mysql_query)]select * from employees.salaries RIGHT JOIN (SELECT emp_no from employees.employees where emp_no=0)	mysql[result_set(mysql_query,number_columns)5] mysql[number_rows]10	503	0	0	12/21/2017 01:54:04.993:491 PM	12/21/2017 01:54:05.239:485 PM
wsrver (192.168.0.2442541)	dsoner (192.168.0.26/3306)	mysql	292.962	292.852	0.110	mysql[request(mysql_query)]select * from employees.salaries RIGHT JOIN (SELECT emp_no from employees.employees where emp_no=0)	mysql[result_set(mysql_query,number_columns)5] mysql[number_rows]10	503	0	0	12/21/2017 01:54:04.720:792 PM	12/21/2017 01:54:04.963:644 PM
wsrver (192.168.0.2442540)	dsoner (192.168.0.26/3306)	mysql	258.122	258.048	0.074	mysql[request(mysql_query)]select * from employees.salaries RIGHT JOIN (SELECT emp_no from employees.employees where emp_no=0)	mysql[result_set(mysql_query,number_columns)5] mysql[number_rows]10	503	0	0	12/21/2017 01:54:04.451:361 PM	12/21/2017 01:54:04.709:409 PM
wsrver (192.168.0.2442539)	dsoner (192.168.0.26/3306)	mysql	255.798	255.728	0.070	mysql[request(mysql_query)]select * from employees.salaries RIGHT JOIN (SELECT emp_no from employees.employees where emp_no=0)	mysql[result_set(mysql_query,number_columns)5] mysql[number_rows]10	503	0	0	12/21/2017 01:54:04.184:830 PM	12/21/2017 01:54:04.440:558 PM
wsrver (192.168.0.2442538)	dsoner (192.168.0.26/3306)	mysql	255.185	255.095	0.090	mysql[request(mysql_query)]select * from employees.salaries RIGHT JOIN (SELECT emp_no from employees.employees where emp_no=0)	0x764649168:0	503	0	0	12/21/2017 01:54:03.919:809 PM	12/21/2017 01:54:04.175:004 PM

- **Active Directory and LDAP integration for Uila authentication** – Uila can now integrate with an organization’s existing Active Directory and LDAP for user authentication.

- **Alerts for Mission critical applications** – In case a mission critical service or server goes down, Uila can alert the end user through email, syslog or SNMP notifications.



New Features for On-Premise Users (*Already Available for 1.27 portal users*)

- **Filter Application dependency maps by individual services**
This function in Application Dependency mapping filters the Dependency Mapping window to display only the selected service or application. This allows the user to focus on the services or applications that they need to monitor or troubleshoot for user complaints.



- **Integration with Zabbix**

The integration with Zabbix will allow Uila to send alarms to Zabbix platform.



The screenshot shows the 'Zabbix Configuration' form with the following fields:

- Server Address: [Redacted] *Required
- Server Port: 10051
- Host Name: [Redacted] *Required
- Item Name: [Redacted] *Required

Buttons: Test (with exclamation mark icon), Save (with checkmark icon)

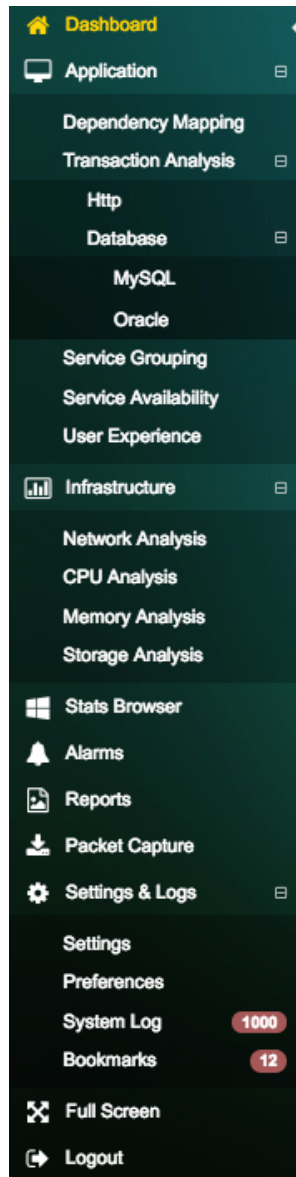
- **Menu Rearrangement**

The dashboard menu has been intuitively rearranged and grouped according to its functionality. New dropdowns have been added in order to consolidate the sections.

- **Application** – New dropdown for application components within the menu has been consolidated. This includes Dependency Mapping, Transaction Analysis, Service Grouping, Service Availability and User Experience.
- **Infrastructure** – New dropdown for infrastructure components such as network, CPU, memory and storage have been consolidated into a single dropdown.
- **Stats Browser** – Stats browser has been given a separate menu icon.
- **Settings & Logs** – New dropdown that includes Settings, Preferences, System Log and Bookmarks have been consolidated into a single dropdown.

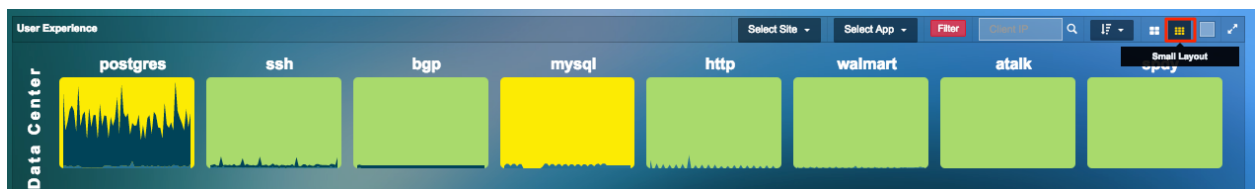
The names within the menu bars have changed in order to clearly state its purpose.

Dropdown	Name	Previous Name
Application	Dependency Mapping	Application
	Transaction Analysis	Application Intelligence
	Service Grouping	Critical Resources



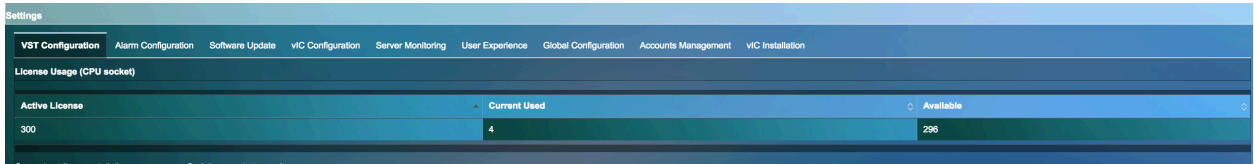
- **Layout change for User Experience**

Users now have the option for selecting a large or small layout for the interface, so that they can choose to see more applications at once.



- **UMAS license usage (Available for 1.27 portal users)**

A new column indicating the number of licenses used has been added into the vST configuration view.



Active License	Current Used	Available
300	4	296

- **HTTPS support for UMAS web access** – The Uila webpage can now be securely accessed on-premise using HTTPS protocol.
- **VST automatically powers off and on when the hosts enter and exit maintenance mode**

Bug Fixes

- UILP-4326 – Missing CPU, memory and storage statistics on few VMs.
- UILP-4235 – Rendering of topology map on critical resources view maybe slow under certain conditions.
- UILP-4325 – Filter on storage analysis view does not work.
- UILP-4288 – UI refreshes to the top during vST configuration.
- UILP-3319 – vST deployment fails if there is a “#” sign in datastore.
- vST configuration page may report wrong vST deployment status.
- Missing CPU and memory stats for certain VMs.
- Application dependency map is squeezed into a corner in critical resources view and dependency mapping view.
- External vST may fail to deploy for certain situations.
- Storage threshold changes do not apply to outer circle on storage color wheel.

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

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About Uila

Uila with its Application-Centric Infrastructure Monitoring and Analytics identifies performance bottlenecks for business-critical services & plans Workload Migration strategies for Private & Hybrid Cloud environments. Uila provides service dependency mapping, full stack correlation with 1-click root cause analysis and patented deep packet inspection technology that understands over 3,000 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.