ApexSQL VM Monitor

Version 2018.x

Release Notes and Requirements

System requirements

Hardware	Quad-core 3.0 GHz CPU (the specification considers monitoring of 5 hosts with medium to high activity) 4 GB memory 30 GB disk space (for 7 days data retention policy - this is an average requirement based on real word use cases, but this could further vary depending on the number of monitored hosts and their state/activity)
Hypervisors	Microsoft Hyper-V 2012 and higher VMware ESXi 5.5 and higher
OS	Windows 7 SP1/Windows Server 2008 R2 SP1 and higher [1]
Port	Port 135 on monitored Microsoft Hyper-V hosts Port 443 on monitored VMware ESXi hosts TCP ports 5010 (http) and 4445 (https) on ApexSQL VM Monitor web server (configurable)
Software	.NET Framework 4.7.2 or higher SQL Server 2008 or higher [1], for Central repository database Internet Explorer 11 or higher Edge build 14393 or higher Chrome 50 or higher Mozilla Firefox 50 or higher Opera 40 or higher

Note	SQL Server Express edition is not recommended for the Central repository database, due to the database size limitation
Permissions and additional requirements	Windows user account with administrative privileges

See ApexSQL VM Monitor – Permissions and requirements |

[1] See Supported systems for exact version support

Supported Software

Windows version				
Windows 7 SP1 & Windows Server 2008 R2 SP1	Windows Server 2012	Windows 8.1 & Windows Server 2012 R2	Windows 10 & Windows Server 2016	Windows Server 2019
✓	✓	✓	✓	✓

Hypervisors							
	Microsoft Hyper-V 2012	Microsoft Hyper-V 2016	Microsoft Hyper-V 2019	VMware ESXi 5.5	VMware ESXi 6.0	VMware ESXi 6.5	VMware ESXi 6.7
ApexSQL VM Monitor [1]	✓	✓	✓	✓	✓	✓	✓

Getting Started

For further information about installation and getting started, please check the Quest Knowledge Base or ApexSQL Getting Started.

Release Notes [(release history)](#)

Release:	2019.01.0331
Date:	June 21, 2019

Changes:

- Software Transaction Agreement is added as a new step in the installation wizard and updated in accordance with https://www.quest.com/legal/sta.aspx

Release:	2019.01.0326
Date:	May 17, 2019

Enhancements:

- [New error handling and send logs functionality](#)
- Per metric alert grouping viewer is added under the Alerts page
- Alerts filtering under the Alerts page is improved
- Annotations with comments and files can be added to charts
- [Improved application installer with a dark theme](#)

Fixes:

- A user with Power user role can delete a user with Administrator user role under the User profiles page
- A user with Reader user role can delete itself under the User profiles page
- VM CPU utilization values are inconsistent with real values
- After disabling/enabling an instance using sidebar context menu the current page switch on the group dashboard page
- Force comments on resolution error is shown when resolving multiple alerts although they have comments added

Changes:

- The application now requires Microsoft .NET Framework 4.7.2

Release:	2018.04.0271
Date:	February 06, 2019

Fixes:

- The application cannot be installed when the repository database is to be installed on SQL Server with a case sensitive collation

Release:	2018.03.0078
Date:	May 28, 2018

Enhancements:

- Baseline threshold adjustment

Fixes:

- Open link to a new tab or window will open the blank page in Internet Explorer
- The baseline calculated for precisely 7 days is not calculated per day of the week
- The application is utilizing over 10 Mbps of network traffic when monitoring VMware ESXi
- The inbound firewall rule to allow access to assigned web server port is not created during installation
- Missing the VM measurement group's alert toggle button for the alerts filter in the group dashboard
- The warning message that data has not been submitted yet appears even after saving the changes when navigating away from the repository purging page
- If the user wants to add a new SMTP server from the 'add email profile' panel, he has to navigate away and lose settings
- There is no information about permissions assigned to different user roles
- There is no option for the user to disable maintenance period, thus forcing the user to delete and create it again instead
- The Save button can be clicked and action executed even when no changes on the metric and baseline configuration page were made
- The Alert action profile can be saved without a name
- The created custom report is missing metric names and units in charts
- The chart zoom to a full size doesn't work
- Alerts numbers are not a link that leads to the alert page in the Virtual machines details table on the Hypervisor dashboard page
- Warning message on broken connection should be thrown upon click Manage credentials when the instance is offline instead when Manage credentials are already loaded
- The user with the reader role cannot change the layout for itself
- The "Unknown error occurred" error is encountered when the local SQL Server instance is not accessible while trying to install the application
- The 'Save configuration' button is not set to be always visible while scrolling
- The table grouping option always change the 'date' grouping when switching between servers/groups
- The instance dashboard appears as corrupted on the mobile web client when the hypervisor explorer is not collapsed

- The page links in the Alerts page are listed vertically one below another causing the screen to look corrupted
- When using the bookmarked pages or direct page address, the application will not open the specified page after entering credentials on the login page, but the main dashboard opens
- After drilling down from the main dashboard to a server dashboard using the mobile client, the back button does not open the main dashboard
- After the application service restart, the users remain logged in
- The idle session timeout for the web client cannot be set per user
- The deleted user stays logged in and has fully functional application if he does not log out by itself or until his session expires
- The tree view occupies the whole page in the mobile version and cannot scrabble to the side to allow displaying anything but the tree-view
- The hamburger button in the mobile version will not open and close tree-view
- Selecting tab in the group Configuration page shows different tab when selecting the server instance and vice versa
- The status column in the dashboard table is not positioned behind the Instance column
- The availability alert will not be rechecked to raise the new availability alert if the server state is still offline after the purging operation completes
- The import of the already existing custom metric overwrites existing one with the changed name
- The SNMP trap alerting action test shouldn't be successful when the IP address cannot be resolved as valid
- The chart title links are not functional
- The field validation error message is not displayed when clicking on the Login button with empty Username, and Password fields
- The baseline calculation for 7 days takes too long time and often do not complete at all
- The baseline calculation will not validate that at least one metric is selected
- The devices in the metric submenu on the Metrics page are not refreshed after enabling or disabling devices in the devices tab and navigating back directly to the Metrics tab
- Running since info in the dashboard doesn't show correct data
- The "Internal server error" is encountered when opening the Helper for the charts
- The missing alert indicator left from chart title when alerts for that metric exists
- The Edit user's "Username" field is accessible but doesn't allow editing
- The warning "Your data will be lost" appears when an alert is resolved with comment
- The 'Generate report on resolution' option doesn't work
- The Group by hypervisor type combo box doesn't work on panel group dashboard
- The bar charts don't show all bars due to the Y-axis scaling
- The 'rotate all' button in the panel group dashboard does not check the current orientation of panels
- The virtual machine monitoring cannot be disabled using the hypervisor explorer context menu
- An alert profile cannot be created using 'add alert' option.
- Only the instance metadata is removed after removing SQL Server from monitoring
- The long name is cut off, and not visible in the dashboard panel
- The long device names don't fit within the chart area
- The tooltip that shows additional server info is missing on the group dashboard panels

- The page is empty when navigating back using browser controls to the Home page
- The alert's charts for availability metrics does not utilize the stepped line
- The charts do not use values interpolation when periods longer than 30 minutes are used
- The "OK " button is cut off in the application installer error dialogs
- The charts order on the Memory page are not always displayed using the same order
- Different disk devices are displayed in the Metrics tab submenus and the Devices tab on the Configuration page
- The performance categories for both, the hypervisors and virtual machines are displayed at the same time in the baseline configuration tab
- The measurement unit of the custom metric is not displayed in the chart
- A tooltip box for a specific chart value is not fully visible when a value is close to the hypervisor explorer pane
- The redundant vertical scroll bar under the Alerts action tab
- The application allows entering and validating the identical old and new passwords when editing the user account
- Missing the alert filter button for filtering CM alerts in the group dashboard
- The threshold annotation is displayed in the metric charts for which alerting is disabled
- The redundant scrollbar in the add user page
- Check-boxes in the configuration page header does not reset when clicking on 'Reset'
- Missing column name in the baselines view
- The help link in the resources page lead to an unexciting page
- If the page closes when the password validation error is displayed, the newly opened blank Add user page contains the same password validation error
- If data validation fails during updating or adding of the maintenance period, the maintenance period table shows and entered data are lost
- Upgrade or repair of ApexSQL VM Monitor alters the ApexSQL Monitor service causing the application cannot start

Release:	2018.02.0017
Date:	March 09, 2018

Fixes:

- Monitoring of virtual machines cannot be re-enabled after is disabled in the Group dashboard
- The special characters cannot be used for repository database name
- The blank page is displayed after switching from subsystem details (Chart details) page to any dashboard page
- The Configuration page is blank when switching from another page and virtual machine is selected in the tree view
- High alerts for virtual machine availability cannot be opened
- The memory available metric and other memory metrics charts do not have any values for Hyper-V hypervisors
- The purge operation automatically triggers the repository index rebuild operation
- Custom metrics, for "Memory" category, are not being measured

- Existing custom metrics are not saved after being edited
- Missing alerts read/unread indication on the Alerts page
- The blank page is displayed when the "Back" button is clicked on under a web browser, in case when previous page is the Dashboard
- The repository log file shrinks when the purge functionality is performed
- Virtual machine cannot be excluded from monitoring under the Virtual machines configuration page
- Hypervisor severity and alert summary number in Group dashboard table view are not correctly calculated
- The application excessively triggers alerts for availability even when the availability state has not been changed
- Baselines can be calculated for period shorter than 7 days
- The manual port test in the setup dialog does not check for unsafe port numbers when HTTP and HTTPS ports are tested

Release:	2018.01.0014
Date:	January 22, 2018

Features:

- Monitor virtualization host performance metrics
- Monitor virtual machine performance metrics
- Select which metrics will be monitored for individual host or virtual machine
- Custom configuration for all metrics
- Real-time graphical presentation of monitored metrics
- Store metric historic data
- Graphical presentation of historic data
- Purging of historic data
- Alerting
- Individual alert management
- Performance baselining
- Create and export reports
- Alert actions
- Maintenance periods scheduling
- Predefined user roles
- GUI themes
- Supports Microsoft Hyper-V 2012, 2012R2 and 2016
- Supports VMware ESXi 5.5, 6.0 and 6.5