dopplerVUE 2.1 Release Notes

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1.0 Overview

This document summarizes new features, known issues, supported platforms, and installation considerations for the dopplerVUE 2.1 Release.

2.0 New Features

2.1 Web Client

A new web client (HTML/AJAX) provides remote access to the dopplerVUE server from any Internet-enabled computer running the Internet Explorer, Firefox, Safari, or Chrome web browsers. The Web Client includes the following:

- Inventory ListVUE, Locator, and Bandwidth Usage views
- All Device, Interface, Server/Workstation, Logical Disk, Processor, Node, and Service detail views
- Groups
- Alarm Filters
- Network Inventory by classification type

2.2 Full Feature Rich Client

2.2.1 Application Monitors have been added for MS Exchange, IIS, and SQL Server applications. These monitors provide detailed information about the overall health of an application, including its hardware and software dependencies.

2.2.2 The Inventory ListVUE now displays both percentage-based metrics and count-based metrics.

2.2.3 Users can create dynamic groups where objects are automatically added to a group according to the specified filter criteria.

2.2.4 The Logical Disk and Processor detail views have been enhanced to show additional capacity and performance metrics. Note that the Logical Disk and Processor options must be selected for the Discovery job that adds the parent device to the network inventory; otherwise, these views will not be available for the device.

2.2.5 Users can add URI links to the User Data fields for alarms.

2.2.6 Users can specify a vendor “wildcard” for the include/exclude sysobject ID in a discovery job

2.2.7 From an alarm grid, users can open the details view for the object associated with an alarm.

2.2.8 Group permissions for viewing objects can be set by specifying an object filter consisting of a partial display name followed by a wildcard character. Additionally, a pre-defined job can be enabled in the Scheduler Service to periodically apply the filter to any newly discovered or added objects.

2.2.9 When selecting the SNMP and ICMP protocols for a discovery job , users can specify the timeout interval and number of retries for probing each SNMP- and ICMP-compliant network object.

2.2.10 The SNMP ifAlias OID has been added to the Device detail view and the Server/Workstation detail view.

2.2.11 On a line chart, the user can choose to display only the data points and not the line plotting the data points.

2.2.12 An existing discovery job can be copied and saved with a new name.

2.2.13 When logging out, the client displays a confirmation message to ensure the user intended to log out.

2.2.14 Multiple WMI poller jobs can be created for the same server or workstation.

2.2.15 A CurrentUserName attribute has been added to the list of available attributes for custom menus and reports.

2.2.16 A context-aware username and domain can be used to construct the URL for a custom report.

3.0 Known Issues

3.1 Microsoft Vista and Windows XP Limitation. Discovering network elements may take longer when dopplerVUE is installed on Windows XP and Vista systems. The operating system TCP/IP stack limits the number of simultaneous incomplete outbound TCP connection attempts. After the limit has been reached, subsequent connection attempts are put in a queue and resolved at a fixed rate.

3.2 Microsoft Windows Limitation. When SNMP traps are sent from an IPv6 Vista node to an IPv6 dopplerVUE system, the agent address in the V1 trap is populated with 0.0.0.0 because SNMP V1 does not support IPv6 addressing. Internally, dopplerVUE replaces the agent address with the IPv6 address of the endpoint that sent the trap; however, if an SNMP Trap rule is configured to forward the trap, dopplerVUE cannot insert the IPv6 address into the SNMP V1 trap message. Instead, the trap message will be forwarded with the original agent address (0.0.0.0).

3.3 Microsoft Known Issue. A WMI polling job may experience an unmanaged memory leak when connecting to a remote computer. This is caused by a known Microsoft issue with the ManagementObjectCollection.GetEnumerator method (see article at http://connect.microsoft.com/VisualStudio/feedback/ViewFeedback.aspx?FeedbackID=93557). There are no memory issues when running a WMI polling job on a local computer. When using a WMI polling job to retrieve performance data from remote computers, you should monitor memory usage for dvPerformance Service. To release memory, restart the dvPerformance Service.

3.4 Microsoft Windows Code Access Security. When running a remote client on Windows 7 and Vista, users may be prompted to elevate privileges to enable client functionality.

3.5 Object discovery is limited to one dopplerVUE domain at a time.

3.6 When a database server's time is different than a dopplerVUE node's time, some of the views will have missing data, either intermittently or constantly, depending on the degree of time difference.

4.0 Supported Platforms

4.1 dopplerVUE 2.1 is compatible with Windows 7, Windows 2008 Standard/Enterprise, and all 64-bit Windows operating systems.

4.2 dopplerVUE 2.1 is compatible with Internet Explorer 8 and Firefox.

5.0 Installation Considerations

See the *dopplerVUE 2.1 Installation Guide* for system requirements, Microsoft Windows configuration requirements, and dopplerVUE 2.1 installation instructions.

5.1 dopplerVUE 2.1 is not compatible with earlier versions of dopplerVUE. You must uninstall an earlier version using Add/Remove Programs (Programs and Features in Vista) and then install dopplerVUE 2.1. Note that uninstalling dopplerVUE will delete the dopplerVUE database. You cannot use a dopplerVUE database from an earlier version with dopplerVUE 2.1. dopplerVUE users should not access the system during the upgrade process.

5.2 Microsoft MSMQ is not longer required to install dopplerVUE but is required to operate properly. It can be added post installation of the dopplerVUE system.

5.3 You can use the license file from an earlier version of dopplerVUE (the installer will skip the licensing steps and use the existing license file); however, if you plan to use the Scheduler service in dopplerVUE 2.1, and your license does not include this feature, you will need to request new license file.

5.4 If Internet Information Service (IIS) is not installed on the server, the dopplerVUE Installer (setup.exe) will display an advisory message and suspend the installation. It is recommended you cancel the installation, install IIS, and then rerun setup.exe. If you continue with the installation, some components, such as the Remote Client, may not work correctly.

5.5 Selecting the Repair option in the dopplerVUE Installer (setup.exe) will run a complete re-install (including removing and recreating the dopplerVUE database).