



Introduction

PV4E V6.0 adds several new important features and functionalities to the PV4E software. The new features further enhance the capabilities and usability of the PV4E application.

What's New in this Version?

New Feature	Function
Discovery Module (P-LET)	
Inactive stations feature	<ul style="list-style-type: none">■ The inactive station module sets a status for each device according to its last activity time, and removes inactive devices from the inventory.■ This feature does not support virtual machines.
Subnet scanning: > Single > Selected > Enable/disable selected subnets	Scanning for either single or multiple subnets. An option has been added to the context menu that allows you to enable/disable a subnet scan.
Improved HSRP support	Improved support for HSRP allows you to associate multiple routers with the same subnet.
Device type resolution according to MAC prefix	This enhancement requires changes in settings that are not exposed in the GUI and will need to be performed by RiT professional services.
The Discovery Module progress tool-tip has been changed	A new subnet scanning percentage progress bar displays the progress status. (There are several phases with each phase having its own tooltip)
A counter has been added to the subnets in the subnet topology tree	The topology tree now shows the number of items per subnet.
Unmanaged devices connect a series of IP phones in a daisy-chain effect providing there is no more than one station on a switch port	Detecting multiple IP-phones and up to a single PC will connect the IP phones in a daisy chain, detecting more than a single PC will transform the connection to a hub.
Virtual stations	Support for virtual stations requires the station to be connected directly to a switch and not through a hub or a wireless access port.

New Feature	Function
CAD Module	
Expanded CAD view	CAD View has been changed and is now a floating window with an enlarged presentation space (can open to full screen view).
Authentication	
Active Directory Integration	PV4E user authentication is performed against the organization's active directory or the PV4E local database.
GUI – New look and feel	
Navigation tree position held when toggling between PV4E modules	The tree node will not collapse if you navigate to another screen. The position is held until you return.
A new tool tip has been added to all combo boxes	The new tooltip displays the entire text when the combo box is too small to include all the information.
Selected Menu items have been moved	<i>Event Notification</i> from <i>Tools</i> to <i>Settings</i> <i>Connectivity Zones</i> from <i>Tools</i> to <i>Settings</i> <i>Device Authorization</i> from <i>Tools</i> to <i>Settings</i> <i>System Info</i> from <i>Tools</i> to <i>Help</i> Refer to User Manual/Application
<i>View Link</i> window modification	The size of the <i>View Link</i> window can be changed (includes full view).
Navigation Tree locations	Locations in the navigation tree can be deleted without first deleting its sub-locations
SMTP port	The SMTP port can now be edited. Default port is 25.
Telecommunication Infrastructure Management	
Cables per conduit	PV4E calculates the actual number of cables per conduit.
Multi Cable support	New support for trunk cables, multi-pair cables and multi-fiber cables.
Blade Servers	
Pass-through module support	Supports Blades with pass-through configuration.
Blade Server Discovery	The system automatically identifies/consolidates and positions Blades in the chassis. Available only for Blades with

New Feature	Function
	type pass-through connectivity modules.
Provisioning	
Provisioning supports Blade server	Supports provisioning of Blade servers into enclosures.
A <i>No Service</i> type has been added	Ports with a <i>No Service type</i> will not be considered during the provisioning process. In addition, the <i>Any</i> service was renamed to Any Service service
An option to remove specific ports when performing an Add request has been added:	Allows you to exclude a port when performing a provisioning request.
Hardware	
PV4E V6 now includes new supported hardware:	Smart LC 8-8 panel Smart LC 144 Smart LC 96 SMART CLASSix RJ-RJ UTP 24 SMART CLASSix RJ-RJ STP 24 Local Master 8 Local Master 12 Local Master 24 Multi Pair Cable, 25 Pairs Multi Pair Cable, 50 Pairs IBM BladeCenter E Chassis IBM BladeCenter H Chassis IBM BladeCenter S Chassis HP C3000 Enclosure HP C7000 Enclosure

Bug Fixes and CRMs

- *Wakeup* now sends a ping to all subnets (class C as default) IP range. This has solved the bug of previous versions.
- Switch scanning failure messages now provide a failure reason.
- Improved performance when opening the subnet topology tree.
- A pop-up menu disappears only when another sub-menu is activated or when clicking outside the menu box. Movement of the curser will not close a pop-up menu box.

Known Issues

- If the status of a switch port is changed from HUB to trunk, all the stations that were connected to it are deleted, from both the inventory and topology trees.
- Removal of inactive devices relates only to physical devices and not to virtual devices.
- The Device Locator does not support locating virtual machines.
- The management module on the Blade server chassis can not be populated.
- Appearance of the two error messages when the .net 3.5 is installed on top of an existing PV4E application (PVAgent.exe and PatchView.exe). These errors can be disregarded.
- In cases where a secured link is connected or disconnected as result of the Discovery Module process, the following events will not appear. (If the link is connected/disconnected as result of a PVMAX patch cord change, the proper event will be fired)
 - Secured link connected by the Discovery Module
 - Secured link disconnected by Discovery Module
- CAD module does not support Windows 2008 server or IE8
- In some cases, when restarting the PV4E server, the following windows error occurs: Faulting application lmgrd.exe, version 11.4.0.0, faulting module unknown, version 0.0.0.0, fault address 0x00000000). This error can be disregarded

Miscellaneous Issues

1. Language support - PV4E 6.0 will continue to support the English regional settings only.
2. PV4E supports the Cisco Call Manager (AKA Unified Communication Manager) versions 6.1, 4.1(2.13110) and 4.0(1). Duplicated with 2.
3. There is an option to move devices to no location when a link is broken or to leave them at their current location.
4. The problem has been solved where a system busy message is shown when performing View Link (typically when IP phones are involved in the link).
5. Devices connected to HUBs and the HUBs themselves, are not supported by provisioning.
6. In order for the Active Directory integration to work, the server must be in the domain together with the identity of the COM application > PV4E under Component Services - must be a user in the domain. There is another option to that will require to indicate the domain name in the relevant text box when inserting a new user.
7. Switch scanning that ends with a conflict status are set only for cases where the conflict is between the inventory ports and scanning results. Previously conflicts were reported for cases where two difference scans had conflicting results.
8. Report Center Requirements: Crystal Reports Developer 11.5/ 11.0

General Information

- Report Center - 1 Report Center user is included in every PV4E license sold by RiT. However, to run the Report Center, a Crystal Reports 11.5 license is required. This license can be purchased directly from RiT or from a Crystal Reports distributor.
- Please note that from time to time, RiT Technologies Ltd will release updates and services packs that can be downloaded from RiT's website under the Software Downloads section.
(<http://www.rittech.com/?CategoryID=517&ArticleID=542>)

Compatibility

Can be installed on PV4E 4.x/5.0 and with any previous Service Pack or Updates.

Related Documents

- PV4E V6 User Guide
- RiT Enterprise Solutions Installation Guide
- Report Center Installation Guide

Specifications

PV4E discovery module supports the Cisco Call Manager (AKA Unified Communications Manager) versions 6.1, 4.1(2.13110) and 4.0(1).

Deployment Server

Group	Component	Minimum Requirement
Hardware	Pentium IV	Running at 2.4GHz or greater (for large installations, the computer configuration should be determined separately)
	RAM	2GB
	Hard Disk space	2 GB (additional 30GB is recommended for logging purposes)
Software	Operating System	Windows 2003 Server R2 SP2, Windows 2003 server SP2 and Windows 2008
	Microsoft Internet Explorer	6.0 SP 1 IE 7/8
	DB	MS SQL 2005 Standard/Enterprise (basic, SP2 and SP3) MS SQL 2008 – all versions (SP1)
	IIS 5 or 6	Prerequisites: FTP Server, SMTP Services
	MSMQ	Version 2.0 or 3.0 or higher

Client

Group	Component	Minimum Requirements
Hardware	CPU	Pentium IV
	RAM	1GB
Software	Operating System	Microsoft Windows XP SP2/SP3, Vista, 2003 server, 2008 server
	Internet Explorer	6.0 SP1 or IE 7 or IE 8 with ActiveX, Cookie and Java Script support

Report Center Requirements: Crystal Reports 11.5 or 11.0

CAD Module requirements: Autodesk MapGuide server release 6.5

PV4E for the Enterprise™ (PV4E)

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