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Phone Discovery Manager Data Sheet

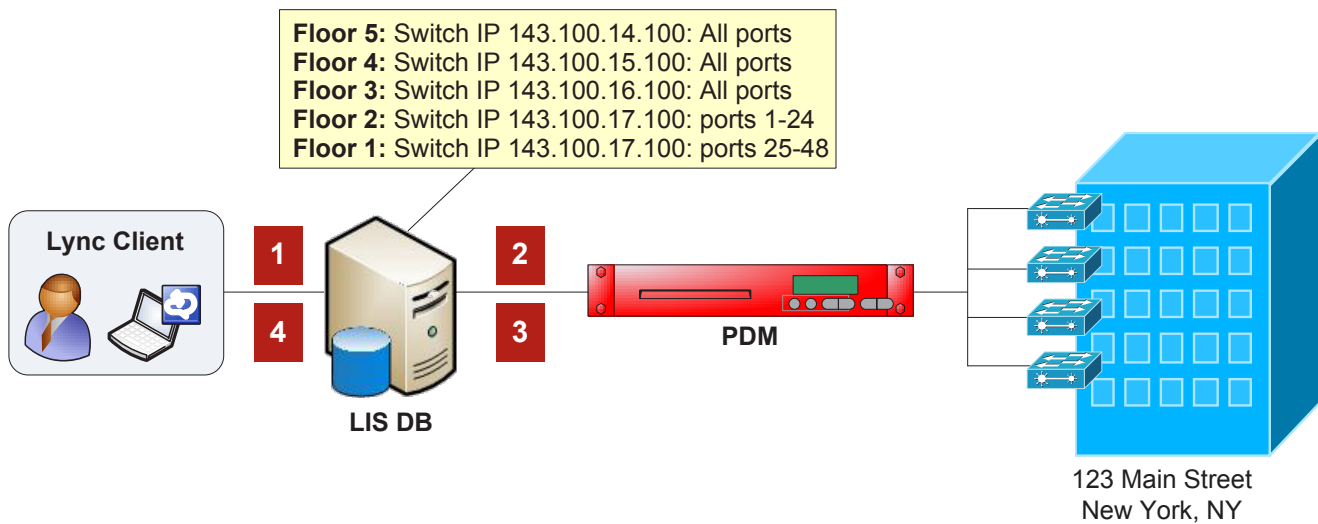
911 Enable's Phone Discovery Manager (PDM) is an optional on-site appliance that provides layer 2 soft phone tracking capabilities for organizations using Microsoft Lync Server 2010. The PDM is available as a hardware or virtualized appliance.



Layer 2 Discovery with the PDM

Layer 2 discovery associates locations to specific layer 2 switches and switch ports. The PDM scans the network using SNMP to match a soft phone's MAC address to a specific switch port. The PDM then interoperates with the Lync Server 2010 LIS to ensure accurate locations are assigned to Microsoft's location-aware endpoints.

How it Works



Description

1	Enterprise endpoint sends its MAC address, in a location request, to the LIS.
2	The LIS uses the endpoint's MAC address to query the PDM for the associated switch port information.
3	The PDM matches the endpoint's MAC address to the corresponding switch port, and relays the switch port information back to the LIS.
4	The LIS associates the switch port information to the appropriate location, and sends the location back to the endpoint in PIDF-LO format.

Software

Operating System	<ul style="list-style-type: none"> Hardened version of Red Hat Enterprise Linux 5 (RHEL5)
Supported IP-PBX Systems	<ul style="list-style-type: none"> Microsoft Lync Server 2010
Layer 2 Discovery	<ul style="list-style-type: none"> Protocols: SNMP v1, SNMP v2c, SNMP v3, Bridge MIB (RFC 1493) Supported Switches: <ul style="list-style-type: none"> Cisco Catalyst HP Procurve Dell PowerEdge and PowerConnect Juniper EX Extreme Networks Summit, BlackDiamond, and Alpine All other switches that support Bridge MIB (RFC 1493) Real-time scanning progress report available on EGW Dashboard Automatic endpoint inventory Supports third-party scanning tools with batch file interface
Operation and Maintenance	<ul style="list-style-type: none"> Email alerts and alarms Syslog support Active monitoring Encrypted web-based interface Pre-configured user access levels

Hardware Appliance

Capacity	<ul style="list-style-type: none"> Up to 15,000 switches Up to 65,000 endpoints
Primary Processors	<ul style="list-style-type: none"> Quad Core Intel® Xeon® E5506, 2.13Ghz, 4MB Cache, 1333MHz FSB
Additional Processors	<ul style="list-style-type: none"> Quad Core Intel® Xeon® E5506, 2.13Ghz, 4MB Cache, 1333MHz FSB
Memory	<ul style="list-style-type: none"> 8GB ECC DDR3 800MHZ
Primary Hard Drive	<ul style="list-style-type: none"> 146GB, SAS, 3.5-inch, 15K RPM Hard Drive
Secondary Hard Drive	<ul style="list-style-type: none"> 146GB, SAS, 3.5-inch, 15K RPM Hard Drive
Primary Controller	<ul style="list-style-type: none"> RAID Controller, 2x4 Connectors, Int, PCIe, 256MB Cache (PERC6/i)
Network Adapter	<ul style="list-style-type: none"> Dual Embedded Broadcom® NetXtreme II 5708 Gigabit Ethernet NIC
Hard Drive Configuration	<ul style="list-style-type: none"> Integrated SAS/SATA RAID 1
Management Network Adapter (optional)	<ul style="list-style-type: none"> EGW Remote Management Embedded Ethernet NIC
Backplane	<ul style="list-style-type: none"> 1x2 Backplane for 3.5-inch Hard Drives
Power Supply	<ul style="list-style-type: none"> Redundant Power Supply with Dual Cords
Redundancy	<ul style="list-style-type: none"> Runs in Redundant Pairs Can be deployed in separate data centers
Chassis Configuration	<ul style="list-style-type: none"> Rack Chassis with Sliding Rails, Universal
Chassis	<ul style="list-style-type: none"> 1U Rack-mountable chassis 24.69" (62.7cm) D x 17.09" (43.4cm) W x 1.39" (4.3cm) H without bezel attached Rack Weight 35.8 lbs (16.3 Kg) Gray Chassis Red front bezel 4-post rack support with universal rails
Ports	<ul style="list-style-type: none"> Rear: 2 x USB 2.0 ports, 2 x RJ-45 connectors for LAN\ WAN, 1 x RJ-45 connector for Remote Access Front: 2 x USB 2.0 ports

Hardware Appliance (continued)

Environmental	<ul style="list-style-type: none"> Operating Temperature: 10° C to 35° C (50° F to 95° F) Storage Temperature: -40° C to 65° C (-40° F to 149° F) Operating Relative Humidity (non-condensing twmax=29°C): 20% to 80% non-condensing Maximum humidity gradient: 10% per hour, operational and non-operational conditions Storage Relative Humidity: 5% to 95% non-condensing (twmax=38°C) Operating Vibration: 0.26G at 5Hz to 350Hz for 2 minutes Storage Vibration: 1.54Grms Random Vibration at 10Hz to 250Hz for 15 minutes Operating Shock: 1 shock pulse of 41G for up to 2ms Storage Shock: 6 shock pulses of 71G for up to 2ms Operating Altitude: -15m to 3,048m (-50 ft to 10,000 ft) Storage Altitude: -15m to 10,668m (-50 ft to 35,000 ft)
Power	<ul style="list-style-type: none"> Primary power supply: 500 Watt hot-plug Secondary power supply: 500 Watt hot-plug Auto-switching universal 110/220 Volts
Regulatory	<ul style="list-style-type: none"> FCC Class B

Virtual Appliance Minimum System Requirements

Processor	<ul style="list-style-type: none"> 2.00 GHz minimum 2 x 2.00 GHz recommended
Memory	<ul style="list-style-type: none"> 2 GB RAM
Disk Space	<ul style="list-style-type: none"> 60 GB
Network Connections	<ul style="list-style-type: none"> One network interface - 100 Mbps
Supported Format	<ul style="list-style-type: none"> OVF
Supported Hardware	<ul style="list-style-type: none"> Intel Xeon 64-bit architecture CPU
VMware version	<ul style="list-style-type: none"> ESXi 4.x or later
Supported Options	<ul style="list-style-type: none"> vMotion: No Site Recovery Manager: Yes* High Availability: No Snapshot: Yes* Consolidated Backup and Data Recovery Manager: No Fault Tolerance: No

* In case of recovery, database synchronization may be required

Other

Product Number	<ul style="list-style-type: none"> HW911-PDMAPP - PDM Hardware Appliance SW911-PDMVAP - PDM Virtual Appliance HW911-EGWRAC - Optional Management Network Adapter
Licensing	<ul style="list-style-type: none"> Perpetual License
Maintenance/Support	<ul style="list-style-type: none"> Includes one (1) year maintenance and support
Documentation	<ul style="list-style-type: none"> PDM System Guide