The EndaceProbe™ vProbe is a virtual machine implementation of the EndaceProbe Analytics Platform. It’s designed to record crucial network history in virtual and cloud environments and provide visibility into virtual network traffic, including East-West traffic. Network history is critical when tracking down security events or performance issues. vProbes are an ideal complement to physical EndaceProbes as common components of a Network-Wide EndaceFabric™.

The vProbe collects and records network traffic by tapping virtual switches or by collecting packets from a dedicated host Network Interface Card.

Like physical EndaceProbes and other EndaceFabric elements, vProbes can be centrally monitored and managed using EndaceCMS™ Central Management Server and the Network History they record can be centrally mined and searched.

The vProbe is ideal for monitoring the performance of, and diagnosing problems with, virtualized applications, providing visibility into difficult-to-see, East-West traffic from within the virtual infrastructure without requiring physical appliances.

**Recording in Virtualized Datacenters**

- Increased visibility across virtualized environments
- Monitor the performance of virtualized applications. And diagnose problems with accurate evidence.

**Built-In Investigation Tools**

- Analyze Network history with EndaceVision™, a powerful, browser-based traffic analysis tool
- Decode packets without download using EndacePackets, a browser-based packet analyzer based on Wireshark
- Analyze to millisecond level with MicroVision
- Application classification for 1200+ applications.
- Mine network history, extract and download packet capture files for manual analysis.

**Provenance Enriched History**

Provenance™ augments recorded network history with rich contextual data.

- Self-describing packet traces support Big Data analysis, improve post-event problem resolution and simplify archiving
- Rich evidential trail for effective legal prosecution

**PERFORMANCE**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Write to disk</td>
<td>500 Mbps</td>
</tr>
<tr>
<td>Maximum Flow Creation Rate</td>
<td>20k flows/sec</td>
</tr>
<tr>
<td>Maximum Concurrent Flows</td>
<td>200K</td>
</tr>
<tr>
<td>Number of Application Dock Instances</td>
<td>Supported in hypervisor</td>
</tr>
<tr>
<td>Storage depth</td>
<td>1 Terabyte</td>
</tr>
</tbody>
</table>

**BENEFITS**

**Accurate**

On demand access to rich network history provides conclusive evidence for investigations.

**Powerful**

Automation and streamlined workflow integration enables faster investigations. This improves security and reduces the impact of network and application performance issues.

**Open**

Integrating commercial, open source and custom applications provides unified access to a single authoritative source of network history.

**Scalable and Reliable**

EndaceProbes are engineered for reliability, longevity and security. Centralized management enables scalability and reduces OPEX costs.
Workflow Integration

Rich APIs provide integration with commercial, open source and custom applications.

- Pivot directly from alerts in 3rd-party applications to view related packets of interest in EndaceVision™ with Pivot-to-Vision.
- Automate archival of packet traces with extensive RESTful API.

Fusion Partner Program

Our market-leading, cybersecurity and network monitoring partners use EndaceProbe’s API integration and Application Dock™ VM hosting to connect their solutions directly to Network History.

- Streamline and automate detection and investigation
- Choose from industry-leading security and performance solutions
- Shared access to a common, authoritative source of network history for all applications.

Minimum VM Resources required by vProbe

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU cores</td>
<td>4</td>
</tr>
<tr>
<td>Memory</td>
<td>12GB</td>
</tr>
<tr>
<td>Storage</td>
<td>1TB</td>
</tr>
<tr>
<td>Hypervisor</td>
<td>VMware vSphere ESXi 5.5 or 6.0</td>
</tr>
<tr>
<td>Interfaces</td>
<td>1x virtual NIC or 1x 1GbE NIC with PCI passthrough for monitoring</td>
</tr>
</tbody>
</table>

Figure 1. EndaceVision is a powerful, browser-based traffic analysis tool that provides a wide range of views for analyzing network traffic.

Figure 2. EndacePackets is a browser-based packet decode tool based on Wireshark™

For more information on the Endace portfolio of products, visit: endace.com/products
For further information, email: info@endace.com

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