Database Cybersecurity

Deep Protocol Extraction | Machine Learning | Behavioral Analysis

DB Networks DBN-6300 “shines a light” on your database infrastructure. Through deep protocol analysis the DBN-6300 analyzes your database traffic to provide you new insights and a situational awareness of your database infrastructure.

Among the unique insights the DBN-6300 offers include:

- Database discovery
- Application and database interaction details
- Monitoring core network policies
- Immediate identification of database attacks

These capabilities are achieved through deep protocol extraction in combination with machine learning that uses a suite of behavioral analysis algorithms to automatically identify security anomalies, database attacks, and Advanced Persistent Threats (APT). The DBN-6300 is highly effective against both perimeter attacks and the insider threat.

These new insights, together with behavioral analysis based attack detection, effectively establishes a defensive layer to defend your databases. You’ll now have the confidence to take the proper actions necessary to significantly reduce your attack surface and reduce the risk of a data breach.
Requirements and Specifications

- Supported DBMS platforms:
  - Oracle server release 8i (8.1.7) or later
  - Microsoft SQL Server version 7 or later
  - SAP Sybase ASE version 12.5 or later
- 10GigE or 10/100/1000 Mbit/sec capture ports (physical or virtual) connects to network TAP or SPAN interface

Physical appliance
Platform
- 2U 19 inch wide x 28 inch deep, rack mount form factor
- Dual redundant power supplies - 750W max (280W nominal consumption)
Connectivity
- Two 10GigE capture ports
- Four Gigabit Ethernet capture ports
- One Ethernet admin port

Virtual machine specifications
DBN-6300v is delivered in as an OVF that comes in two different sizes / capacities:

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<tr>
<th></th>
<th>B (Base model)</th>
<th>E (Enterprise)</th>
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<tbody>
<tr>
<td>RAM (GB)</td>
<td>4</td>
<td>12</td>
</tr>
<tr>
<td>CPU cores</td>
<td>Up to 2</td>
<td>Up to 6</td>
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<tr>
<td>Disk space (GB)</td>
<td>50</td>
<td>200</td>
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- Supported VM infrastructure: VMware ESXi 5.1, 5.5
- Network configuration: Each virtual appliance is equipped with one admin virtual network interface and up to eight virtual traffic interface.
- Supported Networking environments: Vmware vSwitch, dvSwitch as well as any SDN platform that is configured to allow network tapping.

Operating at the database tier, directly in front of the database servers, the DBN-6300 is in the optimal location to conduct deep analysis of the database traffic. The DBN-6300 can immediately identify undocumented databases, pinpoint traffic to/from restricted segments, and detect advanced database attacks. When rogue SQL statements are present at the database tier it is particularly troubling. It means the perimeter security has been breached and one or more applications have been exploited. At that point the DBN-6300 stands as the final line of defense prior to a data breach.

We recommend you contact us for additional information and to arrange an online demonstration. You’ll gain a much deeper understanding of the product and how it can seamlessly integrate into your environment.