Meridian includes the most stable and secure features from Horizon, our community release distribution. Meridian is much easier to maintain and use without the headache of rapid upgrades and releases, and it is supportable long term.

**Features**

**Inventory Management**
Supports any type of provisioning: auto, directed, topology, interface, and service discovery. Interoperates with virtually any configuration management system.

**Performance Management**
Broadest suite of data collection protocols (14) means no need for third-party tools. Streaming telemetry, real-time custom thresholding, trend analysis, forecasting. Time-series performance data analysis, visual plotting and operational forecasting in real-time.

**Fault Management**

**Business Service Monitoring**
Monitor and model high-level business services to quickly identify the most critical problems affecting them.

**Remote Data Collection**
Minion provides access to the inaccessible while application perspective monitoring monitors service availability at specific locations from different perspectives.

**BGP Monitoring Protocol (BMP) Support**
Monitor Border Gateway Protocol (BGP) sessions and BGP routing information on the routing device. Use this information, status updates, and statistics for advanced monitoring and management.

**Traffic Management**
Five flow protocols. 350,000+ flows/sec. Deep-dive analysis, enterprise reporting.

**Application Perspective Monitoring**
Monitor a service's availability from different perspectives. Pinpoint not only where an issue occurs, but its impact on a user's or machine's digital experience.

**Broadest Suite of Supported Protocols Out of the Box**

<table>
<thead>
<tr>
<th>Protocol</th>
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<th>Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>SNMP</td>
<td>JSON</td>
<td>WinRM</td>
</tr>
<tr>
<td>XML</td>
<td>SQL</td>
<td>JMX</td>
</tr>
<tr>
<td>SFTP</td>
<td>FTP</td>
<td>JDBC</td>
</tr>
<tr>
<td>HTTP</td>
<td>HTTPS</td>
<td>VMware</td>
</tr>
<tr>
<td>WS-Management</td>
<td>Prometheus</td>
<td></td>
</tr>
</tbody>
</table>
Platform Solution

Configurability
Configure most features through the web UI or XML scripting. Customize Meridian to do what you want the way you want it.

Scalability
Monitor tens of thousands of devices via a distributed and tiered system: 1.2m data points every 5 minutes, 5,000+ interfaces, hundreds of thousands of discrete devices, millions of performance metrics, thousands of events per second, and thousands of remote monitors.

Enterprise Reporting and Visualization

Topology Maps
Define complex layered topologies. Semantics and focal point feature allow you to adjust and enhance the map quickly to customize your view and easily integrate topology maps into your service problem management workflow.

Event/Alarm Management and Correlation

Alarm and Event Management
First-class events for service assurance and performance management. Alarm workflows, ticketing integration, and flexible correlation. Customizable notifications via email, SMS, and Webhooks.

Alarm Correlation
An artificial intelligence framework logically groups related faults (alarms) into higher level objects (situations) so you can quickly detect, visualize, prioritize, and resolve situations across the entire IT infrastructure.

Technical Requirements

<table>
<thead>
<tr>
<th>Minimum System Requirements</th>
<th>Java 8-11. Most recent version of JDK 11 recommended. PostgreSQL 10 or higher (up to and including 13) Minimum for proof-of-concept type workload: 4GB RAM 2 CPUs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System</td>
<td>RHEL 7.x, 8.x CentOS 7.x, 8.x</td>
</tr>
<tr>
<td></td>
<td><strong>Proof of concept (testing)</strong> Minimum server specification**</td>
</tr>
<tr>
<td>CPU</td>
<td>2 GHz dual core x86_64 3 GHz quad core x86_64 and above</td>
</tr>
<tr>
<td>RAM</td>
<td>4 GB (physical) 16 GB (physical) and above</td>
</tr>
<tr>
<td>Storage (disk space)</td>
<td>50 GB HDD, SSD 1 TB with SSD and above</td>
</tr>
</tbody>
</table>

Common Outbound Ports
OpenNMS can monitor just about any service on any device, so it is impossible to present an exhaustive list. In the case of managing networked devices and servers, the following list covers the bulk of traffic:

- ICMP (echo-request)
- SNMP (161/udp)
- SSH (22/tcp)
- HTTP (80/tcp)
- HTTPS (443/tcp)

* You can install the packages and the services will start up
** Does not take into account your intended workload (e.g., network size, number of monitored metrics, flows, events, and data retention requirements).