



# True Meridian IPv6 Monitoring Toolkit

A 3G Network Monitoring (True3G)

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True Meridian specializes in software development and consultancy services. The company has extensive experience in development of systems ranging from small business solutions to enterprise solutions. For More Information Contact

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## True Meridian IPv6 Monitoring Tools (A 3G Network Monitoring - True3G)

### Take control of Network Monitoring

Our network monitoring tools delivers on its two promises of blending comprehensive Multiple Operating System-based application and network monitoring with ease of use, allowing IT managers to turn network data into actionable business information like trending analysis and IT resource planning guidance. Organizations and government entities deploying IPv6 can rest assured with our network monitoring toolkits which supports IPv4 & v6 out-of-the-box.

### True Meridian IPv6 Monitoring Toolkit

The toolkit was designed to help researchers and developers to test and measure IPv6 based applications, and to facilitate early vendor interoperability testing and pilot deployment activities on the 6Bone.

The monitoring Toolkit contains the following:

- **IPv6 Monitoring Toolkit :** A complete Toolkit that includes many useful new network monitoring, network mapping, and network management features; such as:

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|-------------------------------|---|
| ○ Packet Capturing Tool       | ○ Connectivity View                               |
| ○ Capture Filter Tool         | ○ Domain Name Lookup                              |
| ○ Monitoring Traffic Tool     | ○ Hostname Lookup                                 |
| ○ Single Node Monitoring Tool | ○ Microsoft Names/Qualifiers                      |
| ○ Protocol Statistics Tool    | ○ Microsoft Workgroup                             |
| ○ Address book Tool           | ○ IPv6 Address Support                            |
| ○ Network Utilization.        | ○ Editable Address Book                           |
| ○ Incoming Utilization        | ○ Node Description                                |
| ○ Outgoing Utilization        | ○ Node Location                                   |
| ○ Throughput per second (bps) | ○ Auto Nodes Discovery                            |
| ○ Packets per sec             | ○ Filter by Subnet, by Location, and by Workgroup |
|                               | ○ 3G Network Monitoring and Measurements          |
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- **Customized IPv6 Monitoring Toolkit - True3G** : a new module to support the emerging 3G application. The True3G can be installed as a part of the IPv6 Monitoring Toolkit or separately. The True3G supports the following features:

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- Compatible with Windows 2000/XP operating systems with user friendly GUIs.
  - Analysis in real-time as well as offline.
  - Allows exporting detailed information to an ASCII file based on a comprehensive filter criterion.
  - Allows exporting summary information to a comma-delimited file for subsequent import into a database or spreadsheet.
  - Supports statistics display based on frame count, byte count, frames/sec, bytes/sec, and so on, for the entire capture data.
  - Provide an Extensible open Platform.
  - Provide and extensive APIs to support the development of mobile applications.
  - Provide and extensive APIs to support the development of 3G Network monitoring applications.
  - Protocol Analyzer that can capture and analyze various network protocols.
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### **The 3G Network Monitoring - True3G**

**True3G** is a monitoring toolkit for the third generation (3G) mobile network. With True3G, wireless performance engineering solutions are entirely vendor independent and enable operators to analyze raw wireless network data from a mix of network technologies, systems and data collection solutions in fine detail. This gives an end-to-end picture of vital wireless functions and the quality of service delivery from the subscriber's perspective; it also enables engineers to 'drill down' to the root cause of any deficiencies.

With **True3G**, Network operators gain unified information about their networks, services and customers, allowing them to make the best decisions to improve performance and customer satisfaction and reduce operational costs. This simplifies the deployment and troubleshooting of networks, providing intuitive and powerful end-to-end call trace and protocol analysis applications. To meet the challenges of increasingly complex wireless networks, the **True3G** solution provides performance information on critical services and revenue streams, and helps proactively pinpointing the causes of service failures. The **True3G** Monitoring architecture is depicted in Figure 2.

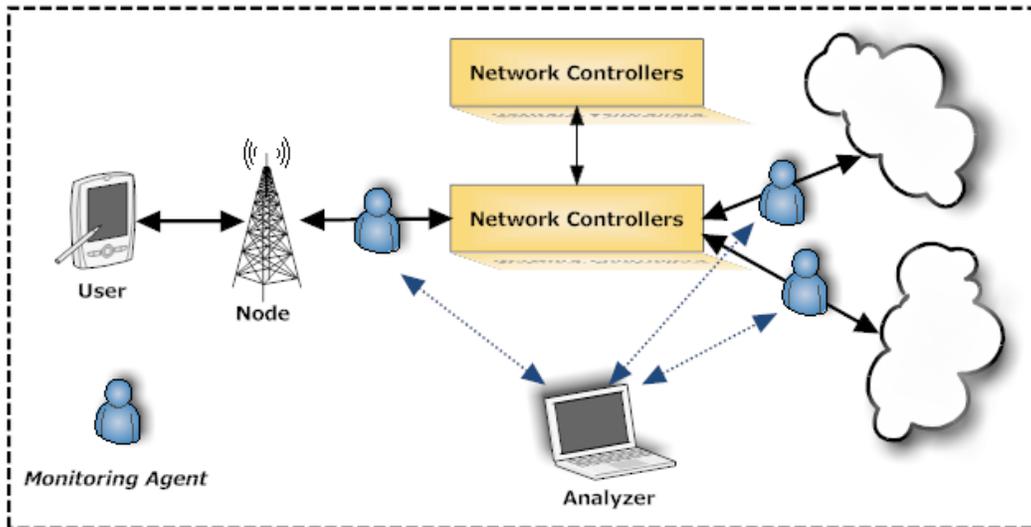


Figure 1: True3G Monitoring Architecture.

The **True3G** Protocol Analyzer is designed to capture and analyze various network protocols and perform various measurements enabling the user to troubleshoot a complex 3G network. The tool allows the end user to monitor, capture, decode and collect essential information across various interfaces. The True3G Toolkit is a plug-in to the IPv6 Monitoring Toolkit that needs to be integrated into the IPv6 Toolkit core platform.