



About Enex TestLab

“The world’s premier independent testing laboratory.”

Since 1989 Enex TestLab has helped the world’s biggest companies minimise risk, improve products and save money. Enex TestLab provides high quality independent testing services and advice.

Our range of testing include:

- Software <
- Hardware <
- Systems <
- Security <
- Usability & Accessibility <
- Gaming, Wagering, <
- Lotteries & Casinos
- Media & Communications <
- Physical & Materials <

Test assured, rest assured.

Capability Statement: eMetric by Enex TestLab

About eMetric

eMetric is a suite of software tools and hardware platforms designed to automatically measure and report on network performance.

Available as a small, low-cost, self-contained device, eMetric hardware makes it possible to gain detailed insight into any kind of network.

Some eMetric tools and functionality are available as a Java software applet ensuring limited impost and “touch” on the end-users systems. Every eMetric unit has been purpose designed to measure a diverse range of critical networking and predominantly broadband performance characteristics. The devices can discreetly test for metrics such as network performance (single- and multi-threaded download and upload speed); network latency; network availability; webpage load speeds; voice and video quality of service; and remote network monitoring (end-user and service provider). Enex TestLab prides themselves on their flexibility and regularly engage with clients to custom develop specific modules to suit the project requirements. Enex are a global professional testing services enterprise, not a hardware or software vendor bent on developing a product to “shift boxes”. Enex TestLab has invested internally in the resources and skills to continuously develop, maintain and deploy the eMetric product set as a tool enabling Enex to deliver robust, reliable, accurate and independent testing services and reports.

eMetric can be applied in a variety of ways. Examples range from secure corporate networks – testing for bottlenecks, to national ISP broadband project, testing end-user quality of service and performance metrics.

In the broadband realm alone, the insight provided by eMetric creates enormous opportunities for saving money and reducing risk.

For example, from a government viewpoint, eMetric can help ensure public money is appropriately invested in network infrastructure and that parties involved are consistently delivering services. From an end-user or ISP point of view, eMetric can help ensure services levels are appropriate and charged fairly.

From a regulatory perspective enforcement agencies can be assured that service providers are delivering the services chartered under industry codes of conduct and consumer and competition agencies can ensure service providers are in compliance with any advertising standards and trade practice acts.

eMetric is delivery technology agnostic and is suitable for any kind of network, including broadband networks, DSL, 3G, LTE, fibre, HFC, copper, satellite and even secure corporate networks (LANs, MANs, WANs, Intranets). Operating across any standards and protocols.

The simple, discreet eMetric devices provide maximum test functionality and data without impacting on end-users or the network.



Features



Features:

> Low Cost, Compact = Statistical Data

eMetric is extremely low cost, solid-state, self contained and remotely managed.

In addition to ensuring the lowest possible cost to customers, it means eMetric is readily and affordably deployed in a larger number of test instances. This larger statistical base enables superior data collection – critical for scenarios such as ‘live’ internet environments. Consider the insight offered by 1000 sites compared to 10, or 1!

> Proven Technology

eMetric technology has been developed and deployed continuously over the last six years. It has been used to support numerous Government and service provider network performance initiatives. Through such projects, eMetric has been thoroughly tested and proven in a diverse range of cases.

The devices feature multiple algorithms to cross check data in real-time ensuring accuracy. The simplicity and self-contained design means they are highly available and always on. Being solid-state devices, they have no moving parts. They are easily installed at any point in a network, meaning end-to-end performance metrics are possible both on-network and off-network.

Completely delivery technology agnostic.

> No Impact, No resources

eMetric hardware nodes are designed to replicate the end-user experience. There is no need for any involvement from customers – no need to install software on computers or replace ISP provided Customer Premises Equipment (CPE). Importantly, the devices have no impact on customer operations.

The units are remotely managed and can be efficiently customised to suit the unique requirements of any deployment.

> Independence

Independence is Enex’s business. It’s our catchcry. For over 20 years Enex TestLab has been delivering independent testing services. Enex is not a hardware or software product vendor. eMetric is designed and developed by Enex exclusively to support our testing services. The units are not agent based, resold or distributed commercially. They are simply the tools of Enex trade – independent testing services, and monthly reporting & analysis.

> Modular Design

The modular architecture of eMetric means that additional modules can be readily developed and deployed at any stage, enabling rapid customisation for unique client requirements or to measure emerging technologies, such as LTE, video over IP etc.

> Centralised

eMetric is administered remotely. Reporting is centralised and results data are available in a variety of flexible reporting formats and systems, from an on-demand electronic dash-board to hardcopy print outs. Enex TestLab engages one-on-one with our clients to provide the data and reports in the format they require.

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