



Capability Statement: eMetric by Enex TestLab

eMetric

enex
TestLab

About Enex TestLab

Enex TestLab has achieved an enviable reputation drawing on decades of independent testing.

With a heritage stemming directly from RMIT University, Enex TestLab now provides high quality, commercial independent testing services to government and corporate clients globally.

Enex TestLab's reputation is founded on independence, scientific rigor and accuracy; saving clients money and reducing their risk. Enex testing services have evolved over decades to represent one of the worlds most recognized, sophisticated, cost effective, flexible, and experienced testing outfits. Enex TestLab ensures accountability through independent metrics in data collection, collation, analysis; delivering integrity for compliance with program/project assurance requirements.

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



eMetric



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 7000 sites compared to 70, or 7!

> Proven Technology

eMetric technology has been developed and deployed over the last five years. It has been used to support numerous Government network performance initiatives. Through such projects, eMetric has been tested and proven in a diverse range of case studies.

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.

Even technology agnostics can administer testing of the most complex networks.

> 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 or the network under test.

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.

> 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.

> Website

www.testlab.com

> e-mail

enquiries@enextestlab.com

> United Kingdom

+44 1633 647898

> United States

+1 415 287 0992

> China

+852 8125 2550

> Australia

+61 3 9436 7454