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NEC Distributes System Performance Analysis Software for Global Markets

*Introducing the “MasterScope Invariant Analyzer”*

**Tokyo, February 22, 2010** - NEC Corporation (NEC), a global leader in networking, communications and information technology announced today the distribution of its performance analysis software system, the “MasterScope Invariant Analyzer,” for overseas markets. This software recognizes system failures and manages the trouble shooting for large-scale cloud orientated computing systems at telecom carriers, large corporations and data center operators.

As the corporate expectations of cloud computing continue to rise, robust IT platforms for cloud-oriented data centers are required in order to provide safe and secure services. These services also need to process rapidly large volumes of data and adjust flexibly to sudden workload changes. In addition they are needed to provide efficient operations of a large number of data center servers/storage devices that facilitate greater use of virtualization technologies.

In response to these needs, NEC developed “Invariant Analysis Technology” (\*1), an innovative technique that detects the cause of unexpected failures. This patented technology, developed by NEC Laboratories America, Inc., has been incorporated into NEC’s “MasterScope Invariant Analyzer,” which detects hard-to-find errors and performance failures in just 1/10 the time of conventional technologies.

Main features of the “MasterScope Invariant Analyzer” are as follows:

I. Silent Failure Detection

NEC’s unique performance analysis technology detects a wide range of irregular behaviors that are difficult to locate, known as “silent failures,” through regular failure surveillance functions that enable early detection and prevent further failure.

II. Failure Location Visualization

Graphs and maps provide easy visualization of factors that cause silent failures and their impacted areas. The time required to diagnosis failures has also been significantly reduced.

### III. Simplified Performance Analysis

Performance analysis is performed automatically, without special training or complicated settings, just by inputting performance information. This reduces the demands on system administrators.

Software features are as follows:

Product Name

Description

MasterScope Invariant Analyzer for Windows

Includes the “Manager” analysis engine, “Management Console” and counter license

MasterScope Invariant Analyzer 1,000 counter additional license

Requires additional counter license for every 1,000 counters

(Note) Counter: The performance factor of an object analyzed by the Invariant Analyzer. 5,000 counters is equivalent to a system with approximately 50 servers. Pricing begins at approximately US \$130,000. Prices vary by country. Please contact your nearest NEC offices for details.

NEC aims to begin distribution of the new product in North America and Europe in May, 2010. Asia-Pacific countries and Central & South American counties are expected to follow through NEC’s global sales channel and with other local vendors.

The “MasterScope Invariant Analyzer” is a part of the “MasterScope Series” of operational management software products. Additional products include the “MasterScope MISSION CRITICAL OPERATIONS” for integrated operational management, “NEC SigmaSystemCenter” for platform management under a virtualized environment, “MasterScope Network Manager” for management and monitoring of networks and “MasterScope JobCenter” for batch job operational management.

“MasterScope” is commercially available as “WebSAM” in the Japanese market.

Looking forward, NEC will continue to promote cloud computing and next generation IT platforms for a wide range of markets that span the globe.

For more product information : <http://www.nec.com/masterscope/invariantanalyzer/>

Note to editors:

(Note: \*1)

Invariant Analysis technologies detect constant aspects among performance factors then recognize differences that arise in those constant aspects.

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