



## C O M P A N Y   P R E S S   R E L E A S E

### **CLOUDSHIELD® UNVEILS INTEGRATED DEVELOPMENT ENVIRONMENT SUPPORTING RAPID DEPLOYMENT OF HIGH-SPEED APPLICATIONS**

*Comprehensive integrated development environment provides developers with rich tool set for building network services and applications to run on CS-2000 Open Network Services Platforms*

**SUNNYVALE, Calif. — June 21, 2004** — CloudShield® Technologies, Inc., developer of Open Network Services Platforms™ (ONSPs), today announced a new integrated development environment for software developers who want to quickly build and deliver high-speed network applications. The **Open Network Services IDE™** is a powerful application design tool for the CS-2000 ONSP, enabling applications that require deep packet processing to be easily developed and quickly deployed.

Built by industry leading software engineers with years of experience developing high performance routing, switching and traffic management applications, the Open Network Services (ONS) IDE is a comprehensive suite of tools that enable rapid development of network security and traffic management applications for demanding high-speed, high-volume networks. When combined with the CS-2000 ONSP the need for costly custom hardware development and complex device driver and micro-code programming are eliminated, and new network services and applications are ready in days or weeks instead of months or years.

“Instead of perpetuating a closed network solutions model, CloudShield has developed an innovative solution that offers applications providers an open programmable packet processing server,” said Michael Kennedy, Managing Partner of Network Strategy Partners, LLC. “CloudShield’s ONS IDE and RAVE enable solutions providers to rapidly develop the applications suite their target markets demand and the flexibility to keep pace with their changing needs.”

The ONS IDE includes advances in CloudShield’s RAVE data plane programming language including the addition of 200 new packet processing functions bringing the total to more than 400, and a C-like programming editor for text coding. Additionally, the ONS IDE is built on the open source Eclipse framework and offers the following key functions:

- RAVE source code editing, compilation, and run-time simulation on the developer’s PC;
- Step-based debugging with commonly-formatted network traffic files;
- Visual-RAVE for mapping and understanding of packet processing logic;
- CVS version control for maintaining consistent code set; and,
- A wide range of open source plug-ins to enrich the developer’s work space.

Several optional RAVE reference programs, or Utilities, are available for the ONS IDE to help jump-start developer’s projects. These utilities, including a scalable ACL engine, a full traffic (non-sampling) NetFlow data export engine, an instant messenger control application, and others, provide the developer with insights into how to apply advanced RAVE techniques within their projects as well as re-useable source code for their applications.

"CloudShield's high-potential technology has helped us provide numerous innovative solutions for our government customers," said Jeff Steiner, Director of Program Development for Data Systems Operations in the Command, Control, and Intelligence Division of Northrop Grumman Mission Systems. "We believe CloudShield offers a unique technology and approach to solving a variety of difficult challenges and are using it to power complex system solutions. The new product advancements are extremely timely, and we intend to apply the updated hardware and development environment to continue meeting the needs of our customers."

"RAVE has been successfully used by several systems integrator and ISV partners to extend the range of functionality of existing applications and to develop new ones," said Peder Jungck, CTO and Founder of CloudShield. "The ONS IDE brings RAVE into mainstream programming practices and into a rich IDE environment. As a result RAVE more easily supports large and complex team-based development projects."

The ONS IDE is available now for evaluation in a beta release. General availability for the ONS IDE will be in the third quarter of this year with prices starting at \$10,000.

### **About CloudShield**

CloudShield Technologies provides multi-gigabit programmable open platforms for network services. With CloudShield platforms, partners can rapidly develop and deploy network applications and solutions that require complete traffic visibility and deep packet inspection for high-speed, high-volume deployments. More information about CloudShield can be found at [www.cloudshield.com](http://www.cloudshield.com).

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