Makani Networks releases three new cloud-enabled products

"Three new products from Makani Networks – MakDNS, MakMON and MakHEAL – enables rapid deployment of global-scale services"

April 6, 2011 – San Francisco, California – At the Web 2.0 conference, Makani Networks announced the official release of three new cloud-enabled products that enable rapid deployment of wide variety of services on a globe-scale.
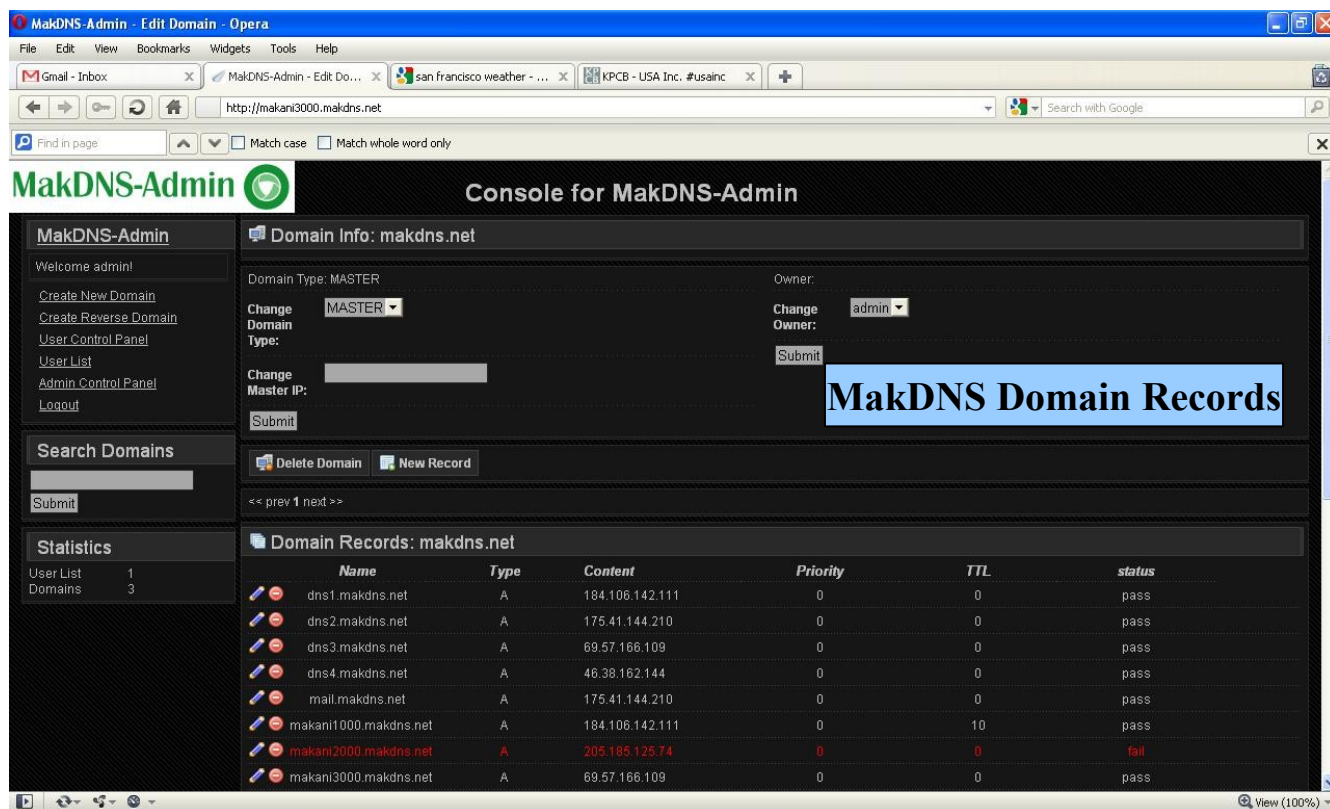
The first product, **MakDNS**, is a proprietary domain name system technology that enables distributed computing on a global scale. The technology enables latest features such as geo- load balancing, geo- directional IP, industry's lowest time-to-live, IPv6 and DNSSEC. The geo-directional IP technology classifies source IP based on pre-defined geo-location maps to respond with servers that are located closest to the source. The DNS system is also augmented with a server fail-over technology that can remotely detect server failure, and the "hot-standby" technology enables automated introduction of an alternate server on "hot-standby". Multiple domains and records can be easily managed using a centrally-provisioned MakDNS Web-based control panel.

The **MakMON** product enables sophisticated distributed remote server monitoring and alerting that classifies events to successfully infer "noise" events from a server undergoing packet loss effects or DDoS attacks. Once the inference about the "noise" event is made, the problematic server is temporarily suspended from the MakDNS system. The suspended server automatically resumes

operation with the MakDNS system once the server noise levels subside. New updates for the MakDNS system are propagated globally in less than 60 seconds using native database replication.

A final piece of technology from Makani Networks – called **MakHEAL** – enables fast periodic monitoring of services internal to a server. Internal health checks are enforced for system-critical services, dependencies automatically resolved, and services quickly restarted on any local failure or problem event. These internal health checks ensure that services are "always-on" and any problems encountered, if ever, are automatically resolved locally. Only in the unusual case when the server problems can not be resolved locally, will the problems be resolved globally through the MakDNS System. Services provisioned through MakHEAL can also be explicitly managed, stopped, started, or restarted using a centralized web-based interface.

A smart infrastructure using MakDNS, MakMON, and MakHEAL products from Makani Networks is currently deployed across three continents and is capable of handling thousands of servers and more than 1 billion unique queries per day. The announcement follows the launch of the MakRADIUS – the cloud-based RADIUS product used for remote server, user, or server app authentication.

MakDNS-Admin - Opera

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MakDNS-Admin

Console for MakDNS-Admin

MakDNS-Admin

Welcome admin!

Create New Domain
Create Reverse Domain
User Control Panel
User List
Admin Control Panel
Logout

Search Domains

Submit

Statistics

User List   1
Domains   3

MakDNS Administration Console

<< prev 1 next >>

	Domain Name	Domain Owner	Records	Type	Master
⊖	makdns.info		12	MASTER	
⊖	makdns.net		20	MASTER	
⊖	makmon.info		12	MASTER	

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Your Console -- 0.0444 Seconds - 8 queries - 0.08 load [Full]

MakDNS Domain Console

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Apr 7, 2011, 7:03 pm

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MakDNS-Admin Admin CP - Opera

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MakDNS-Admin

MakDNS-Admin

🔧 Settings

Edit settings
Add new setting
View PHP information
View logs
Set domain supermasters
Back to User Panel

👤 Users

Add a user
Edit a user
Delete a user
Edit a user's permissions

👥 Groups

Create a group
Edit a group's name
Edit a group's permissions
Delete a group

🖼 Skins

Add HTML templates
Edit HTML templates
Delete HTML template
Create a skin

MakDNS-Admin Administrative Control Panel

Admin CP » Edit Settings

General Settings

Site Name   MakDNS-Admin

Site URL   ./

Set Makmon   5

Template Debugging Mode   ☐ Disabled   ☐ Enabled

Submit

MakDNS Admin Control

Domain Settings

Primary Nameserver

Secondary Nameserver

Tertiary Nameserver

Quaternary Nameserver

Quinary Nameserver

Senary Nameserver

Septenary Nameserver

View (100%)

MakMON iPhone interface

MakMON Monitoring Configuration

MakMON: Monitoring Configuration - Opera

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Monitoring Configuration
Overview Nodes Groups Views & Reports User Options System Settings   Live Monitor   Configuration   Help   Logout

MakMON Overview

No Monitoring Alerts   Check for Updates

Monitoring   **Common Tasks**

5 Nodes Configured   Add Nodes
                                                        Email Alerting
1 Node Groups   Configure Tests

Test Summaries

Today – Last 24 Hrs – Custom

Monitored Nodes

makani3000-web, makani6000-web, makani7000-web, makani2000-web,
makani4000-web

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MakMON Monitoring Configuration

MakMON: Administration Interface - Opera

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Administration Interface
Overview Nodes Groups Views & Reports User Options System Settings   Live Monitor   Configuration   Help   Logout

Check for MakMON Updates

👤 User Administration

▤ System Event Log

✉ Alert Actions

✚ System Variables

▯ Test Sessions

🕐 Test and Alert Schedules

📁 File Manager

🔍 DNS Query Console

▤ Backup and Restore

✏ System Status Report

◉ System Information

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MakMON Monitoring Configuration

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About Makani Networks

Makani Networks (makaninetworks.com) offers high-performance, easy-to-use and technically innovative solutions for next-generation wide-area services. Makani Mobilizer™ appliances are deployed in the customer's network for blazing-speed data access over a wide-range of access networks. Makani Enhancers™ are deployed for wide-area network ("WAN") optimization and application acceleration. Founded in 2006, Makani Networks is based in San Francisco USA.