

### Product Brief

**No Hardware to Deploy**

**No Software to Configure**

TZO has been a leading provider of commercial grade reliable, dynamic DNS services for more than **15 years**. No one else comes close to our mature feature base and reliable performance.

TZO's existing customer base is spread across 70 countries around the world. The commercially proven TZO-NET infrastructure is a redundant, fully meshed world-wide network residing at only A1 rated co-location facilities.

#### AutoFailover

TZO-HA is the next generation AutoFailover service which raises the bar for fault tolerance and high availability for all Internet bound servers.

#### Disaster Recovery Disaster Prevention

Deployed entirely as a service, TZO-HA provides unprecedented uptime for your servers and your business. TZO-HA can be used to automatically fail over from primary to secondary servers. For example, in the case of 2 servers or server farms, a typical implementation may have one server defined as primary or active and the second as backup or stand-by. When the primary server becomes unavailable, TZO-HA identifies the outage and immediately changes the appropriate DNS records to reflect the IP addresses of the backup/stand-by servers.



- Automatic Failover
- Guaranteed SLA's
- Eliminates DNS Propagation delay
- Immediate Notification
- Web Based Control Panel
- Typical Failover within 90 seconds

This change is then propagated across the entire TZO-NET DNS infrastructure in seconds and then to the entire Internet. Total propagation time can be as low as 30 to 45 seconds.

***TZO-HA virtually eliminates typical DNS propagation delay!***

From single server environments to multiple geographically dispersed cluster farms, TZO-HA provides fault tolerance on the Public side of the Internet.



TZO maintains an **ANYCAST** infrastructure with twelve redundant server sites in locations across North America, Europe and Asia-Pacific. These sites are connected through six different major Internet backbones. This ensures that all DNS records are protected against any geographic disruption and against the failure of any one primary Internet backbone.

### **TZO-HA provides for various notification mechanisms**

For any TZO-HA action, many notification options are available. Standard Email, Pager, cell phone, text message or what ever makes sense for the implementation. Notification that the AutoFailover process has taken place is immediate, and can be delivered in a number of formats.



TZO-MPM™ Multi Point Monitoring, allows for the definition of 1, 2, 3 or more monitoring locations all testing the availability of a defined server. **Multiple monitoring points (MP's)** are crucial for highly available environments and eliminates false positive notifications.

Only with TZO-MPM can false positive server down messages be correctly identified. With TZO-MPM, server-down messages need to be reported from all participating monitoring locations, in order for the Autofailover action to initiate.

### **Unprecedented Low Price Point!**

TZO-HA performs many of the same functions of hardware devices costing 20 to 80 times more. Because it's a service TZO-HA does not require the same level of training and cost of maintenance that hardware devices requires. The TZO-HA basic package starts at \$99.95 a month.

### **Browser Based Control**

A secure web-based Control Panel allows complete control over the TZO-HA service. A version of the Control Panel runs on any smart phone with Internet access and a web browser supporting SSL for remote access to the TZO-HA controls.

### **Protocol Monitoring**

TZO-HA can monitor different protocols, HTTP, HTTPS, SMTP, FTP, TELNET, SIP, PING (ICMP) and POP3 and many more. By request other protocols can be added. If TZO-HA detects a failure by monitoring one of these protocols, you have the options of failing over just that protocol or failing over the entire domain.

### **Set Up Time**

Enabling the TZO-HA service takes minutes to configure and turn up. Just a few minutes of configuration and a level of high availability protection is making sure your Internet bound servers are always available.

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