THE **ANVIL!**

INTELLIGENT AVAILABILITY PLATFORM

TRUSTED AVAILABILITY

- Network Edge
- Micro Data Center
- Data Center

ALTEEVE

Keeping Up With
Uptime
LEAVING NOTHING TO CHANCE

Continuous availability of mission/business critical applications is one of the most important attributes of any successful organization. A well designed high availability (HA) solution ensures that IT resources and their supported applications are always available.

As new architectures and technologies - from Cloud to SAN - are introduced to supplement traditional server platforms, significant availability gaps are appearing which can threaten operational continuity.

Nothing should be left to chance that can be made certain. Downtime is commercially unviable (costing upwards of $300,000 per hour according to a Gartner study). For continuous operations and rapid recovery from problems, both the data and the server must be fully protected.

Exploiting new and innovative technologies will close all the availability gaps and create IT infrastructure that is more reliable, resilient and always available.

The Perfect Solution
For Imperfect Conditions
CLOSING ALL THE GAPS

To close all the gaps and to ensure that your infrastructure is configured for optimal performance in your mission critical IT environment, we developed the next evolution of high availability - Intelligent Availability (IA). We based IA on our high availability technologies, extensive validation performed by our development team and the accumulated experience of customers who have deployed mission critical applications on our availability platform.

The Intelligent Availability approach simplifies the system landscape, cuts operational costs and substantially improves sever availability. And it does this in a way that other availability solutions just can't.

Many intelligent features come together to deliver this comprehensive and enhanced availability including:

· **Easy Configuration**
· **Predictive Failure Analysis**
· **Proactive Fault Mitigation**
· **Automated Failover**
· **Self-Healing**
· **Autonomous Operation**

When it comes to reliability backed by proven technology, Intelligent Availability is the perfect solution for imperfect conditions.

Unmatched Reliability
Predictable Performance
THE *Anvil!*

We applied those Intelligent Availability principles to develop our *Anvil!* platform which leapfrogs other availability solutions. It combines redundant hardware components, synchronous data replication and intelligent software to manage fault detection and correction without human intervention. The *Anvil!* provides unmatched reliability and predictable performance.

Robust and Flexible Architecture
Our redundant, fault-tolerant system architecture is designed with everyday commercial quality hardware. From the power up to the servers, if any part of the system suffers a fault, there is a redundant part that can cover for the fault and avoid a system failure.

Safeguard Critical Data
While hardware HA is a critical component of system HA, it isn't nearly enough to keep your systems available. It's got to be integrated with effective replication software.

Our software defined replicated storage synchronously mirrors data between the server hosts. It's a powerful tool that allows you to build resilient, highly scalable and flexible storage architectures.

2x
System Design
Consistent, Redundant

Data Protection
Synchronous Replication

Intelligent Software
Fault Detection and Correction

Intelligent Software Agents
Rounding out the *Anvil!* fortress of resiliency are the fault detection and recovery mechanisms central to our ScanCore intelligent software. It makes the system self-managing and is fully integrated with the redundant hardware stack and resilient storage to keep applications always available.

ScanCore launches a suite of intelligent software agents that capture and interpret data sensed from its infrastructure environment. ScanCore transforms the data - without any human intervention - into decisions that mitigate against any interrupt threat, ensuring continuous uptime.

These decisions are made intelligently and autonomously by the software and cover common failure events including:

Cooling System Breakdown – Naturally sheds thermal load to keep system runtime longer during cooling failure.

RAID Crash – VMs move autonomously from failed node to the node on which the data was synchronously replicated.

Power Supply Failure – Seamlessly failover to the redundant power supply without interrupting the normal use of the system.

Motherboard Malfunction – The failed node will gracefully shut down and then the VMs will recover on the surviving node.

The *Anvil!* Advantage

Up Time

UNPRECEDENTED UPTIME
Improved continuity and predictable performance.

SIMPLIFIED ADMINISTRATION
System thinks and acts for itself without any manual intervention.

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LOWER COST OF OWNERSHIP
No licensing costs, lower staffing needs, built on COTS hardware.

FLEXIBLE PLACEMENT OPTIONS
Install Anywhere - suitable in data center, on-premise or remote location.

What's The
Difference?

vs.

HIGH AVAILABILITY		INTELLIGENT AVAILABILITY
Optional Stack Redundancies Vulnerable to single points of failure that could render entire system unavailable or unreliable.	REDUNDANCY	*Top-To-Bottom Redundancy* Any infrastructure component can fail without causing a disruption.
Reactive Reliant on system administrator. Emphasis on failure and recovery in shortest time possible.	CAPABILITY	*Proactive* Intelligent software discovers, diagnoses and acts to prevent disruptions.
System Administrator Inconsistent system design and operating practices lead to potential for human error and downtime.	ADMINISTRATION	*Self-Managing* System adapts to dynamically changing conditions. Overcomes complexity of manual system administration.

Deploy
Anywhere
MICRO DATA CENTER • ON-PREMISE • IN THE FIELD

We Are Known
By The Company We Keep

"When it comes to reliability and support, our expectation for excellence could not be any higher. Alteeve and The *Anvil!* have met those expectations in delivering the reliability and support that we have come to rely on."

Ovais A. Vaid
Director of Technology
Vision Essentials by Kaiser Permanente

"The *Anvil!* platform is outstanding and the robustness of the system can withstand all of the common errors, accidents or hardware failures that might occur in a server room."

Stephen W. Clarke
Information Technology Officer
Nray Services Inc.