



## High Availability Software

for

**CITRIX** | XenServer™

### High Availability Software for XenServer

HA-lizard provides complete automation and hyper-convergence for managing Xen server pools which utilize the XAPI management interface and toolstack (as in Xen Cloud Platform and XenServer).

**The software suite provides complete HA features** within a given pool. The overall design is intended to be lightweight with no compromise of system stability.

**Traditional cluster management suites are not required.** HA is provided with built in logic for detecting and recovering failed services.

**Development is well tested** and based on Xen Cloud Platform (XCP) version 1.6 and XenServer 6.1/6.2/6.5/7.0.

**Open Source and enterprise class.** HA-Lizard was designed for business and critical applications. It excels in two node configurations with internal hard drive storage, but is applicable for any external NAS storage environment.





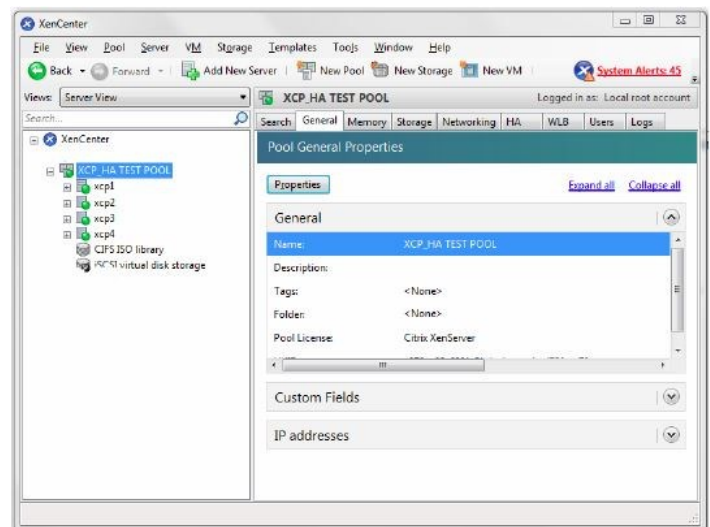
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### HA-Lizard Core Features

- Auto-start of any failed VMs
- Auto-start of any VMs on after reboot
- Detection of failed hosts and automated recovery of any affected VMs
- Detect and clean up orphaned resources after a failed host is removed
- Removal of any failed hosts from pool with takeover of services
- Fencing support for HP ILO, XVM and POOL fencing (forceful removal of host from pool)
- Split brain prevention using heuristics from external network points and quorum
- HA support for pools with two hosts
- Structured interface for simple “bolt-on” of fencing scripts
- Dual operating modes for applying HA to appliances or individual VMs
- Ability to exclude selected appliances and VMs from HA logic
- Auto detection of host status allows for safely working on hosts without disabling HA
- Centralized configuration for entire pool stored in XAPI database
- Command-line tool for managing global configuration parameters
- Parameter override available per host for custom configurations
- HA can be enabled/disabled via command line tool or graphical interface (like XenCenter)



- Extensive Logging capabilities to system log file
- Email alerting on configurable triggers
- Dynamic cluster management logic auto-selects roles and determines recovery policy
- No changes to existing pool configuration required. All logic is external
- No dependencies – does not compromise pool stability or introduce complex SW packages.
- Designed to work with the resident packages on a standard XCP/ XenServer host
- Full hyper-convergence of Citrix XenServer, High Availability and Server components



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### HA-Lizard Simplicity

- Tight integration
- Small footprint
- Lightweight
- Installation friendly

### Options and Choices

- Manual Installation
- Auto Installation
- Internal Storage
- External Storage
- New installations
- Existing installations
- XenServer 6 & 7 support

