With Infrastructure Analytics, Problems Have Nowhere to Hide.

Root out cost, performance and risk issues with analytical efficiency.

By Justin Doster & Warren Saltzman,
Lighthouse Computer Services

Businesses that think strategically about IT infrastructure drive results.

With the confluence of disruptors such as cloud technology, mobile, social media, big data and analytics, now is the time to rethink your IT infrastructure from the ground up.

The Lighthouse IDA engagement can help.

IDA stands for *Independent Discovery and Analytics*. Its goal is the illumination of critical facts about your IT environment (and the assets it comprises) that are currently obscured by complexity.

SVC Volume Performance

Provisioned and Inactive
Count   187
Capacity (GB)   69,626
Unmasked and Inactive
Count   106
Capacity (GB)   47,412

IOPs Versus Throughput SVC

This IDA analytics report, shown in Tableau, illustrates the impacts of key operating data, revealing once- hidden problems, as well as unseen opportunities.

Learning these otherwise unknowable facts can help you save money, improve service and avoid unnecessary risk.

These benefits accrue immediately through remediation, and in the future, through more lucid and accurate planning.

What can infrastructure analytics reveal?

A: **Cost Control**
by pinpointing capacity and utilization issues, redundancies and other inefficiencies.

B: **Performance Enhancement**
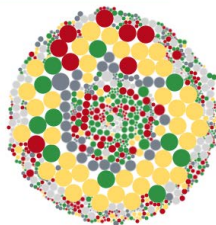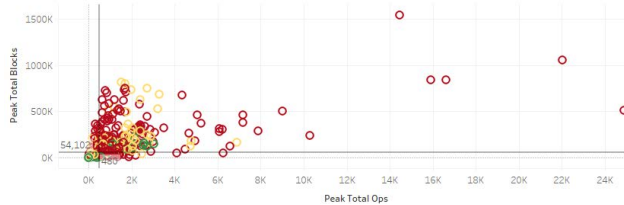by calling out bottlenecks, missing and misplaced assets and potential conflicts.

C: **Risk Reduction**
by ensuring security coverage, planning accuracy, business alignment and good governance.

What's the process?

1. *We collect the meta data by an agentless application that typically runs, unobtrusively, for two to four weeks.*

Data collected include all server state information, storage state and performance information, file activity statistics, VMWare stats, stats of every service running on hosts and virtual hosts, complete accounting of Sybase, SQL Server and Oracle database stats, and documentation of the data path.

IDA looks at all data from all manufacturers, ensuring accurate measurements and unbiased results.

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2. *We leverage analytics* founded in infrastructure best practices to root out inefficiencies and identify opportunities for improvement.

3. *We report back to you* with our detailed findings and recommendations, including:

   a. End-to-end inventory of physical and virtual assets, including applications, storage, servers, SAN and virtual infrastructure.

   b. Studies of utilization and data patterns and what they reveal.

   c. Location and resolution of availability and reliability issues.

   d. Consolidation and redeployment opportunities.

   e. Optimized recommendations for specific strategic and tactical changes to IT assets and connections.

   f. Comparison against best practices and IDA results from comparable organizations.

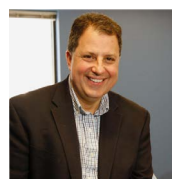**Utilize the IDA engagement to build competitive advantage.**

Based on a thorough analysis of your IT Infrastructure, IT can implement change that directly impacts revenue and profit, allowing you to outperform your peers.

- Enabling enterprise analytics
- Planning for converged/hyper-converged
- Planning for cloud/hybrid-cloud
- Data center consolidation/relocation
- CAPEX/OPEX reductions
- Improving asset life cycle management
- Rationalization of the virtualization layer
- Inventorying databases to reduce cost
- Addressing availability and recovery
- Cloud object storage, modernization of NAS
- Archive strategies and cost reduction
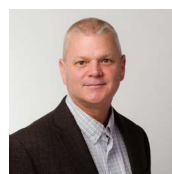- Competitive peer to peer benchmarking

Learn what IDA infrastructure analytics can do for you.

If you have questions, or would like to see sample analyses and reports, please contact us:

Warren Saltzman
Managing Dir., Client Services
Lighthouse Computer Services
wsaltzman@LighthouseCS.com

Justin Doster
IDA Practice Leader
Lighthouse Computer Services
jdoster@LighthouseCS.com

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