Winning at
SCALABILITY
With **Software-Defined IT Operations**

An excerpt from **7 Characteristics of Service-Centric IT Organizations**

zenoss
Own **IT.**

IT organizations often find themselves monitoring effectively at small scale, but few have implemented solutions with the flexibility and capability to operate in elastically scaling environments.

Service-centric IT organizations start with a solid foundation and may also:

- **Use an elastic approach to scale monitoring platforms and data collection**
- **Store monitoring data using an enterprise-ready big data back end (e.g., OpenTSDB, Apache HBase)**
- **Optimize manageability and reduce footprint with agentless collection**
- **Load balance monitoring services across a pool of resources**
- **Store a virtually unlimited amount of performance/availability data**

The purpose of **elasticity** is to match the resources allocated with the actual amount of resources needed at any given point in time.

Scalability handles the changing needs of an application within the confines of the infrastructure via statically adding or removing resources to meet application demands as needed.

In a service-centric IT organization, both are required to maximize the use of resources and often result in infrastructure cost savings, but they are also critical for cloud-scale service infrastructure. Containers, like Docker, also allow for more efficient deployment and create a consistent running environment.

And who would know better than a global IT innovator delivering technology-enabled services and solutions to clients around the world?

NTT DATA provides consulting, managed services, projects, outsourcing and cloud-based solutions to midsize and large enterprises in all major industries.

"We believe in a philosophical cadence of where you open a heterogeneous ecosystem. The other factor is the heterogeneous nature of being able to monitor any device anywhere on the planet. It doesn't have to be locked-down, proprietary technology that we manage. Our customers are in vertical industries, so we really wanted to look at something that could scale and be elastic in nature."
– Manish Patil, Vice President of Technology Strategy & Alliances, NTT DATA

Manish Patil

VP of Technology Strategy & Alliances, NTT DATA

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