



# CASE STUDY: SandRidge Energy, Inc.



*“BalancePoint is the only tool we found that can decipher our virtual machines, storage, and operating systems together, and we like that it will proactively notify us of potential performance bottlenecks.”*

Cameron Han  
Manager, Senior Systems Engineer

## AT A GLANCE

### Challenge

- When performance problems occurred, SandRidge consulted four different tools to resolve issues, which took a few systems engineers and up to a day to review data and find the “needle in the haystack”.

### Solution

- BalancePoint provides the correlation and historical tracking pulling data about all individual systems, hosts and storage and looking at it from a holistic, system-wide view, quickly determining the root cause of performance issues, reducing problem resolution time, and proactively optimizing infrastructure performance.

### Environment

- Servers: 140 VMware virtual servers, nine physical servers
- Operating Systems: Windows 2003
- Storage: 20TB NetApp storage (NAS and SAN, replication, and snapshots)
- Database: Microsoft SQL Server
- Applications: Web, Geotechnical, Helpdesk, Infrastructure (Microsoft Active Directory, Exchange, Print, etc.)

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## Intelligently prevent and resolve performance problems

SandRidge Energy, Inc. is a natural gas and oil company headquartered in Oklahoma City, Oklahoma with its principal focus on exploration and production in West Texas, the Permian Basin, the Cotton Valley Trend in East Texas, the Gulf Coast, and the Gulf of Mexico. SandRidge and its subsidiaries also own and operate gas gathering and processing facilities and CO2 treatment and transportation facilities. Lariat Services, Inc., a wholly-owned subsidiary of SandRidge, owns and operates a drilling rig and related oil field services business. Additionally, SandRidge conducts marketing and tertiary oil recovery operations.

Over the past two years SandRidge virtualized 60% of its IT environment, including test and production applications. Today, over 140 virtual machines are running on nine physical hosts supported by NetApp storage. The complex environment required a management solution that could reveal how all of their resources were being utilized, and optimize the entire IT environment’s virtual and physical server and storage components. From a feature, function, and price standpoint, Akorri’s

BalancePoint seemed the ideal choice to solve SandRidge’s mounting performance issues. After the initial evaluation period, SandRidge’s IT staff agreed.

## Infrastructure-Wide Management

BalancePoint’s ability to automatically correlate data and analyze interdependencies between resources in heterogeneous, distributed environments, allows SandRidge to monitor the entire environment as a system. BalancePoint provided the confidence for SandRidge to continue virtualizing more of its data center environment. According to Cameron Han, Senior Systems Engineer, “In the past, when there has been a performance problem, we had to consult four different tools to resolve issues, which often takes a few systems engineers and up to a day to comb through the data and find the ‘needle in the haystack’. We look forward to having Akorri’s BalancePoint increase our efficiency by doing this work for us, correlating and historically tracking data.”

## Results

- Increase IT efficiency and productivity
- Reduce troubleshooting time
- Become proactive and optimize data center infrastructure performance

*“BalancePoint increases our efficiency by correlating and historically tracking the data automatically.”*

Cameron Han