

EnergyIP™ Meter Data Management System

Smart Solutions for Energy Distribution

Why consider a hosted MDMS solution?

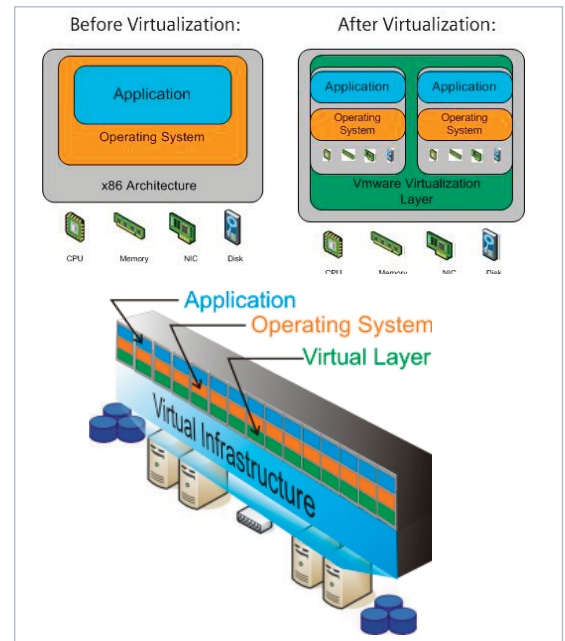
Although automated meter infrastructure (AMI) promises to provide unprecedented gains in operating efficiencies and increased customer satisfaction, there are costs associated with supporting the needed information technology infrastructure to reap the benefits. These costs range from basic computer hardware to the hiring and / or training of IT support and administrative personnel for the meter data management system (MDMS) solution. To minimize your expense, Siemens is introducing a new hosted service for MDMS in conjunction with its strategic partner eMeter Corporation; the goal is to provide your utility with a cost effective solution for achieving the promise of AMI.

Efficient use of new technology

More and more companies are considering outsourcing components of their IT landscape to achieve cost efficiencies. These efficiencies are accomplished by sharing computer and network hardware and systems support personnel across a broader footprint of users. Additionally, new software technologies have emerged that optimize computer hardware utilization. These gains in hardware utilization efficiency are achieved via more effective use of computing resources, as applications rarely compete to use the same resources simultaneously.

Using multiple virtual computers, each operating in their own dedicated, optimized, and protected environment, allows the underlying computer hardware

Overview of a virtual computer

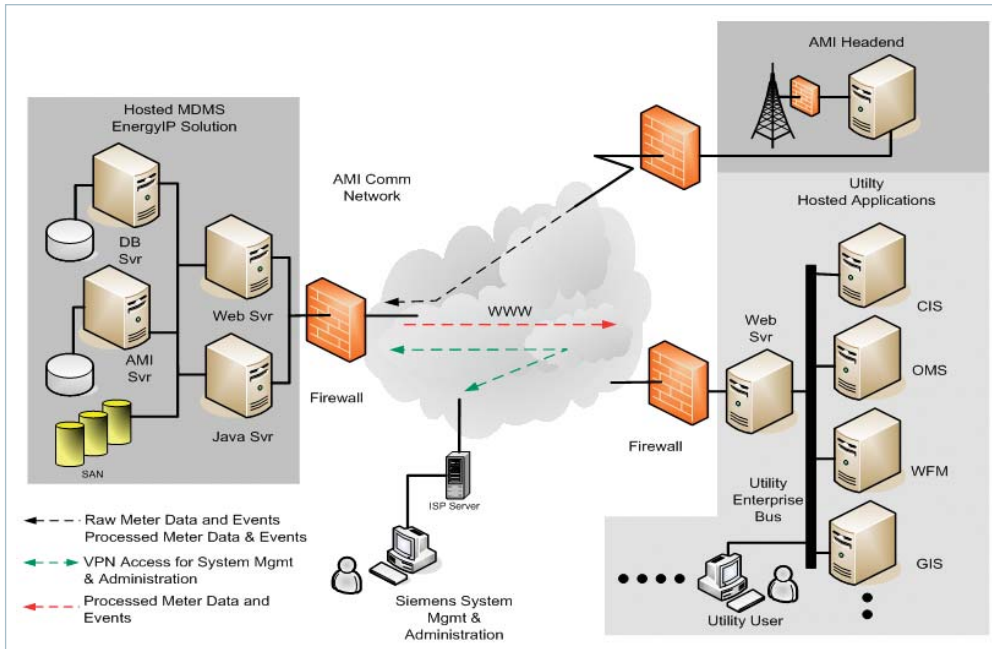


to be "time-shared" and thereby deliver increased hardware utilization. This technology allows the number of virtual computers to be increased based upon application needs and supports load sharing between the actual computer resources to ensure processing performance is not compromised. Moreover, as each virtual machine operates in its own environment, failure of one virtual computer does not impact the performance of the other. When a virtual computer failure is detected, a failover to a new virtual computer is created automatically, minimizing downtime and potential loss or corruption of data.

Metering Services

Answers for energy.

SIEMENS



System and data security

Achieving cost optimization cannot be accomplished at the detriment of system integrity and data security. As a consequence, Siemens uses a network of data centers with Tier 3+ fault tolerance. Each data center has redundant utility power as well as back-up generation. The data center facilities are hardened by having stringent physical security and are monitored 24/7 to ensure that the system and data are secure. Each data center provides the underlying hardware and operating system support as well as performing data archiving and storage services using Tier 2 RAID 5 SAN configuration for your metering data. The MDMS application hosted in the data center is connected to your data center via IP-based network (Web) with suitable transmission rates to support meter data transfer from the AMI system server(s).

Solution administration by MDMS specialists

The EnergyIP™ MDMS solution is maintained by Siemens IT specialists trained in both the administration and the configuration of the EnergyIP™ application and perform all data base administration services to assure data is monitored and maintained efficiently. These specialists are made available to you to review data processing performance and prepare reports on all critical system parameters to achieve high availability.

Perfect solution for pilot projects

The hosted solution is an excellent and cost effective way for your utility to experiment with different AMI technologies while gaining vital experience in how MDMS solutions can support improvement in billing and operational practices. The hosted MDMS solution can provide crucial insight into the performance of the AMI systems in terms of system availability and data integrity to support technology evaluation.

A cost effective solution

Whether your AMI investment is large or small, the EnergyIP™ hosted solution should be considered by your team as a cost effective option to realize the promise of AMI technology.

EnergyIP™ is a registered trademark of eMeter Corporation

For more information, please contact your local Siemens representative.

Published by and copyright © 2008:
Siemens AG
Energy Sector
Freyeslebenstrasse 1
91058 Erlangen, Germany

For more information, contact
1-866-880-5178
www.usa.siemens.com/energy

Siemens Energy, Inc.
Order No. E50001-F730-A111-X-4A00
Printed in USA
TD 20080678T IN 1008.5

All rights reserved.
Trademarks mentioned in this document are the property of Siemens AG, its affiliates, or their respective owners.

Subject to change without prior notice.
The information in this document contains general descriptions of the technical options available, which may not apply in all cases. The required technical options should therefore be specified in the contract.