Business Challenge

As technology evolution packs more and more processing power into rack dense computing devices, the challenge of data center cooling becomes more complex and more critical. To help, Dell Professional Services (DPS) offers a Data Center Environment Assessment (DCEA) service, which evaluates your existing data center to help determine if appropriate cooling and power infrastructure has been allocated to support rack dense computing.

A fixed price, fixed scope engagement, DCEA is designed to help you adopt rack dense solutions and maximize efficiencies by optimizing the utilization of your existing data center environment. Following the assessment, a summary analysis of your data center and recommendations for tile placement, rack row configurations, server and storage allocation among racks, cooling capacity and power allocation is provided.1

Key Benefits

**Data Center Environment Assessment**

Applicable across Dell’s portfolio of enterprise products, as well as, in a heterogeneous data center environment, DCEA offers the following key benefits for our customers:

Applicable for a wide range of environments – A fixed price, fixed scope assessment can be conducted for data centers of varying sizes up to 10,000 square feet or 250 racks, and on a custom basis with custom pricing for data centers over 10,000 square feet or above 250 racks.

Ease of implementation – As assessment can ease the implementation and integration of rack dense computing into existing infrastructures.

Helps Reduce Risks – Financially and operationally the DCEA solution helps to protect your mission-critical investments by providing recommendations on optimizing of your data center environment.

Methodical and Objective Assessment – Evaluate existing and future data center plans for cooling and power in a detailed report with survey process, findings, and recommendations.

World class experience – Dell’s involvement with some of the largest network deployments for mission-critical environments.
General Features

– Data Center Environment Survey

– HVAC/Cooling Analysis
  • Document HVAC systems
  • Measure and analyze existing data center environment
  • Determine row arrangement for hot aisle/cold aisle suitability
  • Recommendations for chilled air based on requirements

– Power Analysis
  • Document power systems and equipment
  • Measure and analyze existing power delivery to the target deployment area
  • UPS type, location, size/VA voltage, existing load

– Remediation Report
  • Summary of current state
  • Recommendation for environment changes
  • Identify anomalies in data center that impair optimal performance
  • Go/No go assessment for technology deployment

Checklist

If you are asking for answers to any of these questions below, then Dell Professional Service can provide you with complete and cost effective assistance for your Data Center Environment Assessment needs:

– Are your existing server room/data center cooling systems adequate to support your new equipment?

– Are your existing server room/data center power distribution systems adequate to support your new equipment?

– Are your existing server room/data center Uninterruptible Power Supply (UPS) and backup generator systems adequate to support your new equipment?

– Does your existing systems provide adequate capacity for your anticipated network growth?

– Do you plan to move to a new facility and need assistance with site identification, evaluation, and selection?

1 Customer is responsible for implementation of any recommendations and ensuring that recommendations meet all business, financial, operational and safety requirements. For additional information on implementation, please contact your local Dell representative.

Visit www.dell.com/services for more information.