

# Course overview

Optimized Data Center Simulation - 1 day (HF981)



The HP Optimized Data Center (DC) simulation is an exciting, interactive workshop where participants experience the business benefits that increased collaboration and process integration between “Facilities” and “IT” brings to their Data Center operations. Set in the context of the “high octane” world of motor racing, the 1 day simulation provides participants with a high-level overview of Data Center planning. By applying process integration participants win the championship through better DC planning, which in turn leads to dramatic increases in business and race performance.

## Audience

- Senior IT and Facilities Managers looking for insights as to how to improve their Data Center operations and strategic planning
- Data Center Managers, Supervisors, and Process Owners, who need to understand how increased IT/Facilities collaboration and integration can be achieved within their DC operations
- Facilities (and IT) professionals who need to understand Service Management concepts and how to apply them within their DC operations
- Business and project managers who need to understand how IT/Facilities process integration can support improved business performance within the DC

## Prerequisites

Some Data Center “IT” and/or “Facilities” experience would be helpful but is not required.

## Course Objective

The objectives of the simulation are:

- To give a practical, hands-on introduction as to how Service Management can be applied to Data Center operations – and how this application can improve business performance
- To demonstrate how “IT” and “Facilities” can collaborate operationally (through joint handling of issues and outages and joint planning for failover, resiliency, and redundancy) to improve Data Center's efficiency and effectiveness
- To highlight how detecting and proactively addressing Data Center failures before they occur greatly improves business performance – and the monitoring tools available for this detection
- To provide a new modeling technique for strategic Data Center planning which can drastically reduce Data Center design, build, and operations costs

## Benefits to You

- Gain familiarity with how Service Management concepts can be applied to Data Center operations
- Learn how effective Data Center Knowledge Management – or, “giving the right people access to accurate/current information at the right time” - can be made fundamental to your Data Center operations via a fun and interactive approach
- Experience the meaning of “the alignment of Data Center operations with the business” and see what improvements to business performance can be achieved through greater collaboration and process integration between IT and Facilities within the Data Center

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**Course Title:** Optimized Data Center Simulation - 1 day

**HP Product Number:** HF981

**Category/Subcategory:** Data Centers

**Course Length:** 1 day

**Level:** Beginner

**Delivery Language:** English

**To Order:** You can order this course online at <http://www.hp.com/learn>. At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

**Next Steps:** Please refer to curriculum charts online.

## Detailed Course Outline

### Introduction to simulation

- This one day simulation introduces the essential aspects of how IT and Facilities operational collaboration can be applied to the Data Center as through the simulation's game dynamic. The simulation is typically delivered in three rounds. The key topics covered in a three round delivery are as follows:

**Round 1: The first business experience. This round demonstrates a day in the life of the business from a combined IT and Facilities Data Center perspective. The outcomes will highlight:**

- Communication issues within the Data Center
- Process issues within the Data Center
- Operational issues that occur when "IT" and "Facilities" work in separate silos within the Data Center

**Round 2: The racing team participants now look for ways (through IT-Facilities operational improvements, technical enhancements, knowledge transfer, and other means) to improve the business results their Data Center achieved in Round 1. This heightened Data Center Operational performance results from:**

- Better facilities space, power, and cooling management
- Enhanced capacity planning – both for IT and Facilities
- Clearer Data Center roles and responsibilities
- Improved Data Center Failure Management
- Improved Data Center Knowledge Management
- Improved Data Center Financial Management
- Improved Data Center Firmware Management

**Round 3: Race competitors now seek further optimization of their Data Center operations by understanding the training, tools, process, and technology options available to them to realize continued, and continual, improvements. Participants also are provided with a new strategic planning model which can be used to dramatically reduce the cost of future Data Center implementations. Round 3 highlights include:**

- The maturation of key Data Center-related Service Management processes, including
  - o Problem Management
  - o Failure Management
  - o Financial Management
  - o Knowledge Management
- The importance of strategic planning in reducing future Data Center implementation costs
- The use of monitoring tools to identify Data Center failures before these failures occur – and proactively preventing these failures
- The role that service vendors can play both strategically and tactically in reducing Data Center risks – and in improving Data Center performance

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