Hewlett Packard Enterprise

Certified Data Center Risk Professional (CDRP) H6D35S

This 2-day course is designed to expose attendants to the overall risk management process. Focus is on the data center infrastructure, the physical data center facility, and equipment. The attendant will learn how to identify and quantify risk in their organization, creating the ability to reduce the risk to a level acceptable for the organization to allow them to make sound investment decisions based on facts rather than emotions. CDRP is a must for every organization that wants to manage their risk without over spending.

HPE course number	H6D35S
Course length	2 days
Delivery modes	ILT, VILT
View schedule, local pricing, and register	**View now**
View related courses	**View now**

Why HPE Education Services?

- IDC MarketScape leader 4 years running for IT education and training*
- Recognized by IDC for leading with global coverage, unmatched technical expertise, and targeted education consulting services*
- Key partnerships with industry leaders OpenStack®, VMware®, Linux®, Microsoft®, ITIL, PMI, CSA, and (ISC)²
- Complete continuum of training delivery options—self-paced eLearning, custom education consulting, traditional classroom, video on-demand instruction, live virtual instructor-led with hands-on lab, dedicated onsite training
- Simplified purchase option with HPE Training Credits

*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, January 2016

Audience

The primary audience for this course is any IT, facilities or data center operations professional who works in and around the data center and who has the responsibility to achieve and improve the availability and manageability of the data center. This represents both end-customers and/or service providers/facilitators. It is highly recommended for data center managers, operations/floor/facility managers, it managers, information security managers, security professionals, auditors, risk managers/professionals responsible for IT/corporate governance.

Prerequisites

There is no specific prerequisite for the CDRP course. However, participants who have at least three years' experience in a data center and/or IT infrastructures will be best suited. This experience may come from a business or IT background where the participant has knowledge of both environments, and understands the mission of their organization. Attendance of CDCP is beneficial but not a requirement.

Course objectives

After completion of the course, the attendee will be able to:

- Understand the different standards and methodologies for risk management and assessment.
- Establish the required project team for risk management.
- Perform the risk assessment identifying current threats, vulnerabilities, and the potential impact based on customized threat catalogues.
- Report on the current risk level of the data center both quantitative and qualitative.
- Anticipate and minimize potential financial impacts.
- Understand the options for handling risk.
- Continuously monitor and review the status of data center risk present.
- Reduce the frequency and magnitude of incidents.
- Detect and respond to events when they occur.
- Meet regulatory and compliance requirements.
- Support certification processes such as ISO/IEC 27001.
- Support overall corporate and IT governance.

Detailed course outline

Introduction to risk management	• Risk management concepts • Senior management and risk • Enterprise Risk Management (ERM) • Benefits of risk management
Data center risk and impact	• Risk in facility, power, cooling, fire suppression, infrastructure, and IT services • Impact of data center downtime • Main causes of downtime • Cost factors in downtime
Standards, guidelines, and methodologies	• ISO/IEC 27001:2013, ISO/IEC 27005:2011, ISO/IEC 27002:2013 • NIST SP 800-30 • ISO/IEC 31000:2009 • SS507:2008 • ANSI/TIA-942 • Other methodologies (CRAMM, EBIOS, OCTAVE, etc.)
Risk management definitions	• Asset • Availability/Confidentiality/Integrity • Control • Information processing facility • Information security • Policy • Risk • Risk analysis/Risk assessment/Risk evaluation/Risk treatment • Threat/Vulnerability • Types of risk
Risk assessment software	• The need for software • Automation • Considerations
Risk management process	• The risk management process • Establishing the context • Identification • Analysis • Evaluation • Treatment • Communication and consultation • Monitoring and review
Project approach	• Project management principles • Project management methods • Scope • Time • Cost • Cost estimate methods

Context establishment	• General considerations • Risk evaluation, impact, and acceptance criteria • Severity rating of impact • Occurrence rating of probability • Scope and boundaries • Scope constraints • Roles and responsibilities • Training, awareness, and competence
Risk assessment—identification	• The risk assessment process • Identification of assets • Identification of threats • Identification of existing controls • Identification of vulnerabilities • Identification of consequences • Hands-on exercise: Identification of assets, threats, existing controls, vulnerabilities, and consequences
Risk assessment—analysis and evaluation	• Risk estimation • Risk estimation methodologies • Assessment of consequences • Assessment of incident likelihood • Level of risk estimation • Risk evaluation • Hands-on exercise: Assessment of consequences, probability, and estimating level of risk
Risk treatment	• The risk treatment process steps • Risk Treatment Plan (RTP) • Risk modification • Risk retention • Risk avoidance • Risk sharing • Constraints in risk modification • Control categories • Control examples • Cost-benefit analysis • Control implementation • Residual risk
Communication	• Effective communication of risk management activities • Benefits and concerns of communication
Risk monitoring and review	• Ongoing monitoring and review • Criteria for review

Risk scenarios	• Risk assessment approach • Data center site selection • Data center facility • Cloud computing • UPS scenarios • Force majeure • Organizational shortcomings • Human failure • Technical failure • Deliberate acts
Exam	• Sample questions • Self-study (time permitted) • Exam: Certified Data Center Risk Professional

Examination accredited by EXIN

Certification exams are administered at the end of the last day of training, using paper-based or online format, depending on the country in which the course is delivered. The exam is a 60-minute closed book exam, with 40 multiple-choice questions. The candidate requires a minimum of 27 correct answers to pass the exam. The certification is valid for three years after which the student needs to re-certify.

Recommended next courses

CDCP Certified Data Center Professional (HK258S) exposes participants to the key components of the data center.

Learn more at
hpe.com/ww/learndatacenter

Follow us:

© Copyright 2015–2016 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries. The OpenStack Word Mark is either a registered trademark/service mark or trademark/service mark of the OpenStack Foundation, in the United States and other countries and is used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation or the OpenStack community. Pivotal and Cloud Foundry are trademarks and/or registered trademarks of Pivotal Software, Inc. in the United States and/or other countries. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. VMware is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions. EPI is the developer and intellectual property owner of this course. EPI is the developer and intellectual property owner of this course.

c04567844, August 2016, Rev. 4

Hewlett Packard Enterprise