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## Hybrid Cloud, Distributed Cloud and Edge Computing

**Duration: 1 Day**    **Course Code: GKHCDCEC**

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### Overview:

This Hybrid Cloud, Distributed Cloud and Edge Computing training will help you to migrate to the Cloud safely and explains the latest trends in Cloud Computing.

Some companies are reluctant to make the move to the Cloud. The benefits and the maturity of the CSPs (Cloud Service Providers) are increasing while the difficulties and dangers of maintaining your own IT are getting bigger. In comparison to a few years ago compliance to rules and regulations by the CSPs (like PCI/DSS or GDPR) has improved considerably. Another thing: location is important, especially with the rise of IoT, edge AI (Artificial Intelligence) and everybody working from home. Edge Computing will play an important role in Cloud Computing. It is important your CSP offers Points of Presence (PoP) as close as possible to the end-user.

This training is also part of the 5-day Masterclass Digital Transformation (GKMDT).

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### Target Audience:

Anyone who wants to know about the latest trends in Cloud computing

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### Objectives:

- After completing this course you should be able to:
  - Understand the Cloud characteristics according to NIST
  - Explain the shift in responsibilities
  - Understand Security is a shared responsibility in the cloud
  - Explain the importance of support and SLA's in the public Cloud
  - Understand the complexity of the Hybrid Cloud
  - Understand how to limit the Vendor Lock-in
  - Explain the self-healing and auto-scaling features
  - Identify the issues with costmanagement
  - Understand the Cloud security and high availability features
  - Explain the danger of Shadow IT and the function of a Cloud Access Security Broker (CASB)
  - Understand the importance of exit strategies
  - Explain Cloud automation and Policy based automation
  - Understand the concept of Infrastructure as Code
  - Understand the impact on your organization and the Shift Left
  - Explain the concept of the distributed cloud
  - Understand the need for the distributed cloud and Points of Presence (PoP).
  - Explain the concept of a substation
  - Identify the advantages of the distributed cloud
  - Understand the importance of Edge Computing
  - Describe the implementation of Edge Computing
  - Identify the myths of the cloud
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### Prerequisites:

- Basic internet usage skills
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### Follow-on-Courses:

The following courses are recommended for further study.

- The latest trends in Cloud security: CASB, SD-WAN and SASE Training
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## Content:

- Cloud characteristics according to NIST
  - The shift in responsibilities
  - Security: a shared responsibility
  - Support in the public Cloud
  - Complexity of the Hybrid Cloud
  - Limiting the Vendor Lock-in
  - Cloud and costmanagement
- Cloud security and high availability
  - Shadow IT and CASB
  - Exit strategies
  - Cloud automation: Policy based automation
  - Infrastructure as Code, the Shift Left
  - Self healing and auto-scaling
  - Impact on your organization
- What is the Distributed Cloud?
  - Why the Distributed Cloud
  - Substations
  - Advantages of the Distributed Cloud
  - What is Edge Computing
  - Cloud mythes
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## Further Information:

For More information, or to book your course, please call us on 0800/84.009

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[www.globalknowledge.com/en-be/](http://www.globalknowledge.com/en-be/)