PILATEUROPE
Leading a new era of human resources

kaïna-COM
L'EXPERTISE SANS LIMITE

KAÏNA-COM
TRAINING CATALOGUE

Managing Infrastructure with Azure Cloud

Foundational Concepts, Common Scenarios and best practices about managing IaaS on Microsoft Azure

Nos locaux
KAÏNA-COM France
LE CARRÉ HAUSSMANN II
6 Allée de la Connaissance
77 127 Lieusaint

Contact
+33(0)9 50 20 91 64

E-mail
info@kaina-com.fr

Site Internet
www.kaina-com.fr

KCLD002 – Managing Infrastructure with Azure Cloud

Reference	KCLD002
Experience	☐ Beginner ☒ Intermediate ☐ Advanced
Duration	Training Program: • 4 days
Training Method	☐ I: i-learning, individual training (web-based training) ☒ V: v-learning, virtual class ☐ C: c-learning, classroom training **KAÏNA-COM** LE CARRÉ HAUSSMANN II, 6 Allée de la Connaissance 77127 Lieusaint - France
Price	2.707,50 € HT
Prerequisite	Azure Cloud Knowledge
Audience	IT Professionals, DevOps, Cloud Architects, System Administrators

Nos locaux
KAÏNA-COM France
LE CARRÉ HAUSSMANN II
6 Allée de la Connaissance
77 127 Lieusaint

Contact
+33(0)9 50 20 91 64

E-mail
info@kaina-com.fr

Site Internet
www.kaina-com.fr

KCLD002 – Managing Infrastructure with Azure Cloud, Continued

Objective   Microsoft Azure is an open, flexible, enterprise-grade cloud computing platform.
This course Covers foundational Concepts, Common Scenarios and best practices about managing IaaS on Microsoft Azure. The goal is to help you gain the practical skills and knowledge to be successful at you job as an Azure Operations Professional.

Nos locaux
KAÏNA-COM France
LE CARRÉ HAUSSMANN II
6 Allée de la Connaissance
77 127 Lieusaint

Contact
+33(0)9 50 20 91 64

E-mail
info@kaina-com.fr

Site Internet
www.kaina-com.fr

KCLD002 – Managing Infrastructure with Azure Cloud, Continued

Course Contents

Course Contents :

Table 1: KCLD002 - Course Contents

Chapter	Description
Course Introduction	• Introduction • Course Overview
Foundational Concepts	• How do you do business on-premises • The Cloud Metaphor • Cloud Infrastructure and Delivery Models • Demo: Azure Service Delivery Models • Demo: Get started on Azure • Azure Regions • Demo: Explore Service Status and Regions • The Solution we will Build
Virtual Machines	• Which Model is best for your Workload • What you need to keep in mind Concerning Azure VMs • VM Instances Types and Sizes • Demo: Plan your VM Implementation • Demo: Scale on Azure VM up or Down • Azure Virtual Machine Resources • Demo: Deploy an Azure VM from the Portal • Demo: Deploy an Azure VM using Powershell • Demo: Deploy an Azure VM using azure CLI • Connect to your Azure VMs • Demo: Using RDP, SSH and Powershell to interact with Azure VMs

Continued on next page

Nos locaux
KAÍNA-COM France
LE CARRÉ HAUSSMANN II
6 Allée de la Connaissance
77 127 Lieusaint

Contact
+33(0)9 50 20 91 64

E-mail
info@kaina-com.fr

Site Internet
www.kaina-com.fr

KCLD002 – Managing Infrastructure with Azure Cloud, Continued

Course Contents, continued

Chapter	Description
Disks and Storage	• What you need to think about • Azure Storage basics • Replication Options • Demo: Investigate Azure Storage Pricing • Demo: Work with Storage Accounts • Azure VM Disk Types • Azure Storage Account Types • Host Caching • Demo: Create a Storage Account and add a Data Disk • Demo: Capture an OS Image • Demo: Copy a Blob Between storage accounts
Inside the VM	• Things to keep in Mind • Azure Load balancers • Azure VM Configurations Options • Demo: review your network Environment • Demo: VM Network Configuration • What are VM extensions • Demo: Configure your azure VMs • Demo: Deploy a VM Extension • Demo: PowerShell-based configuration management

Nos locaux
KAÏNA-COM France
LE CARRÉ HAUSSMANN II
6 Allée de la Connaissance
77 127 Lieusaint

Contact
+33(0)9 50 20 91 64

E-mail
info@kaina-com.fr

Site Internet
www.kaina-com.fr

KCLD002 – Managing Infrastructure with Azure Cloud, Continued

Course Contents, continued

Chapter	Description
Scaling and High Availability	• Azure Maintenance events • Faults and Update Domains • Demo: Deploy an Availability Set • Demo: Configure an Availability Set • Scale sets • Demo: Deploy a Scale Set • Azure Load Balancers • Other load-balancer options • Demo: Investigate Azure Load Balancers
Networking	• IP Address Options • Demo: Review your Solution • Demo: Configure IP Addresses • Azure VPN Gateway • Demo: Deploy an Azure site-to-site VPN • Demo: test the Configuration
Security	• Access Concepts • Azure RBAC • Demo: Investigate Azure RBAC • Demo: RBAC with Powershell and Azure CLI • Activity log • Demo: Investigate Activity Log • Dogfooding • Demo: tour Azure Security Center

Nos locaux
KAÏNA-COM France
LE CARRÉ HAUSSMANN II
6 Allée de la Connaissance
77 127 Lieusaint

Contact
+33(0)9 50 20 91 64

E-mail
info@kaina-com.fr

Site Internet
www.kaina-com.fr

KCLD002 – Managing Infrastructure with Azure Cloud, Continued

Course Contents, continued

Chapter	Description
Monitoring	• Monitoring – a Layered Approach • Monitoring and Diagnostics Pipeline • Azure Diagnostics Data • Demo: Enable VM Diagnostics • Monitoring and OMS • Demo: Investigate Monitoring Logs • Demo: Other Diagnostics Data Sources • Alerting and Webhooks • Demo: Configure a Webhook Integration
Troubleshooting and Support	• VM troubleshooting Checklist • Reset the Local Administrator Password • Demo: Troubleshoot VMs in Azure • Demo: Submit an Azure Support Request • Demo: Investigate Azure Advisor
Cost Management	• How to Buy Azure Services • Demo: Use the Azure Pricing Calculator • The Monthly Spend – Points to Ponder • Demo: Analyze Your Azure Subscription • Demo: Manage Your Azure Subscription • Study Azure SLAs • Demo: Check Azure SLAs and Service Status

Nos locaux
KAÏNA-COM France
LE CARRÉ HAUSSMANN II
6 Allée de la Connaissance
77 127 Lieusaint

Contact
+33(0)9 50 20 91 64

E-mail
info@kaina-com.fr

Site Internet
www.kaina-com.fr

KCLD002 – Managing Infrastructure with Azure Cloud, Continued

Course Contents, continued

Chapter	Description
Managed Disks	• Storage Account Limitations • Managed Disks Value Proposition • How Managed Disks Work • Managed Disk Facts • Demo: Deploy a Managed Disk • Demo: Work with Managed Disks
The End	• Summary • Q&A • Evaluation

Nos locaux
KAÍNA-COM France
LE CARRÉ HAUSSMANN II
6 Allée de la Connaissance
77 127 Lieusaint

Contact
+33(0)9 50 20 91 64

E-mail
info@kaina-com.fr

Site Internet
www.kaina-com.fr