

IT Boot Camp Training Program

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| Nr | #050102 |
| Title | Solution Architecture Basics in Azure |
| Date | 29.7.2024 - 10.8.2024 |
| Duration | 10 working days |
| Language | English |
| Fees | 4500 CHF zzgl. MwSt |
| Place | First 2 days in Zürich by Digi2Cloud, remaining days per online 8 hours daily, from 09:00 to 17:30 (1/2 hour break) |
| Requirements | - Some understanding and experience of programming and scripting - Your own PC |
| Key Learnings | - Basics of cloud architecture - Documentation: Archimate, PlantUML - Azure basics: Compute, Storage, Networking - Azure Web App Service & Azure Function - Bicep, ARM, az cli - terraform |

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| Description | <p>Day 1: Cloud basics: IaaS, PaaS, SaaS, Azure Basics: Compute, Storage, Networking, Portal basics, dashboards, subscriptions, management groups, resource groups + activity log, Calculator, Archimate, PlantUML</p> <p>Day 2: Azure Compute: VMs, spot pricing, Web Apps, Container offerings, ACR, ACR tasks, Functions, Durable functions, Web App, Azure AI, exercises</p> <p>Day 3: Azure Networking: VNET, peering, network topology, NSG, private link, service endpoints, DNS zones (public & private), VPN (VM vs Azure VPN), exercises</p> <p>Day 4: Azure Storage: storage accounts, file shares, tables, queues, blobs, Cosmos DB, Managed disks & VM image managements</p> <p>Day 5: Azure Monitor, App Insights, availability tests, powershell, Key Vault & WebApp, Azure Configuration, secrets & certificates, Entra, Application registrations</p> <p>Day 6: Azure API, Bicep, ARM, powershell, az cli, Cloud Shell & exercises. Terraform introduction lecture: resource vs data, modules, tfvars, input/output vars, sensitive var, structures, state management, modules, tf base provider</p> <p>Day 7: Terraform programming lectures & exercises: setup with Azure, external state storage (chicken or egg problem when AZ storage), TF cloud, diagrams, functions, dynamic blocks</p> <p>Day 8: Terraform programming lectures & exercises: hands on project</p> <p>Day 9: Terraform programming lectures & exercises: hands on project</p> <p>Day 10: Terraform programming lectures & exercises: hands on project</p> |
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Zürich, 04.04.2024