

## Azure + Terraform. Training program

Unit, task	Code	Hours
PowerShell		50
Working with help commands	PWS00	2
Update\Asking help	PWS00.1	1
"About" topics	PWS00.2	1
Running commands	PWS01	3
Command names\aliases\shortcuts	PWS01.1	1
Dealing with errors	PWS01.2	2
Working with pipeline	PWS02	3
Set few commands to have big pipeline	PWS02.1	2
Exporting to log files	PWS02.2	1
Objects	PWS03	6
What is the objects	PWS03.1	3
Objects properties\methods	PWS03.2	3
Remote control	PWS04	2
WinRM overview	PWS04.1	1
Invoke-Command\Enter-pssession	PWS04.1	1
Working with hash tables	PWS05	6
What is hash table ?	PWS05.1	1
How we can work with Hash tables?	PWS05.2	2
How you can use it in scripts?	PWS05.3	3
Working with functions	PWS06	7
What is functions	PWS06.1	1
Declaring parameters in functions	PWS06.2	2
Using simple functions in Pipe	PWS06.3	2
Variable scoping in functions	PWS06.4	2
Parallelization	PWS07	9
What is job and how to use it	PWS07.1	1
Commands to work with jobs	PWS07.2	2
Working with child jobs	PWS07.3	2
Schedule jobs	PWS07.4	2
Read about RunSpaces	PWS07.5	2
Final Task	PWS08	12



Unit, task	Code	Ho	urs
Terraform + Azure		59	
LEVEL 1 Course Agenda and how to start	AZ100	24 8	
Practice Overview	AZ100.1	•	0.5
Naming convention	AZ100.2		0.5
Examples	AZ100.3		0.5
What is Azure Cloud	AZ100.4		0.5
AD	AZ100.5		1
Access Policies	AZ100.6		0.5
MultiTenant	AZ100.7		0.5
Automation with Terraform	AZ100.8		0.5
Terraform Basics	AZ100.9		1
DEMO	AZ100.10		2
NSG	AZ100.10	3	2
	AZ101 AZ101.1	3	0.5
Insert and update data using json interface layer VNFT	AZ101.1 AZ101.2		0.5
Terraform Basics	AZ101.2 AZ101.3		0.5 1
DEMO	AZ101.3 AZ101.4		1
Virtual network Gateway and network connections	AZ101.4	3	1
	AZ102 AZ102.1	3	0.5
Virtual network gateway  Network connections	AZ102.1 AZ102.2		0.5
Network connections: Point-To-Site	AZ102.2 AZ102.3		0.5
Network connections: Site-To-Site	AZ102.3		0.5
Network connections: Site-10-Site  Network connections: Peering	AZ102.4 AZ102.5		0.5
DEMO	AZ102.6		0.5
Key vault and storage account	AZ103	2	0.5
Keyvault	AZ103.1	_	0.5
Storage Account	AZ103.2		0.5
DEMO	AZ103.3		0.5
Business Case	AZ103.4		0.5
Virtual Machine and Virtual Machine Scale Set	AZ104	8	0.5
Virtual Machine	AZ104.1	J	1
Virtual machine disks	AZ104.2		1
Availability set	AZ104.3		1
Load balancer	AZ104.4		1
Public IP	AZ104.5		1
Virtual machine scale set	AZ104.6		1
Virtual machine provisioning	AZ104.7		1
DEMO	AZ104.8		1
LEVEL2	AZ200	13	
PaaS vs SaaS vs IaaS	AZ201	4	
WebApps	AZ200.1	-	1
App Service	AZ200.1		1



DEMO	AZ200.1		1
Business Case	AZ200.1		1
Traffic Manager	AZ202	2	
Basics	AZ202.1		1
DEMO	AZ202.2		1
Azure SQL Service	AZ203	3	
Basics	AZ203.1		1
DEMO	AZ203.2		1
Business Case	AZ203.3		1
Azure Monitor	AZ204	2	
Basics	AZ204.1		1
Azure Dashboard	AZ204.2		1
Application Insight	AZ205	1	
DEMO	AZ205.1		0.5
Automation account	AZ206	1	
DEMO	AZ206.1		1
LEVEL3	AZ300	22	
DevOps Challenges	AZ301	10	
Docker	AZ301.1		0.5
Dockerfile	AZ301.2		1.5
DEMO	AZ301.3		1
Kubernetes Basics	AZ301.4		2
DEMO	AZ301.5		2
Kubernetes objects	AZ301.6		3
Important deployment configuration	AZ302	12	
Labels	AZ302.1		1
nodeSelector	AZ302.2		0.5
affinitySettings	AZ302.3		0.5
preStop and pretart hooks	AZ302.4		0.5
Rolling update	AZ302.5		0.5
terminationGracePeriodSeconds	AZ302.6		0.5
Healthcheck probs	AZ302.7		0.5
Usage limits	AZ302.8		0.5
Autoscaling	AZ302.9		0.5
PodDisruptionBudget	AZ302.10		0.5
HELM	AZ302.11		4.5
Monitoring	AZ302.12		2