



Jean Ulrich

VMware & Omnissa Consultant & Instructor Competency Matrix

CONSULTING
Implementations & Operations



TRAININGS
VMware & Omnissa
Certified Instructor



TROUBLE-SHOOTING
Performance,
Audit, Design
& Architecture



TESTING
Proof of concept &
New Solutions
Evaluation
Lab Environment



*Technical Capabilities:
Certifications, Role &
Competency*



My_informations_&_Certifications__

__ Jean Ulrich __

- C3T SARL founder based in Nyon in 2017, SWITZERLAND
- 45 years old
- Mobile : [+41 79 159 78 87](tel:+41791597887)
- Email : jean.ulrich@c3t.ch
- Blog: www.c3t.ch/articles
- Speaking: FRENCH / ENGLISH / GERMAN

__ Key Experiences __

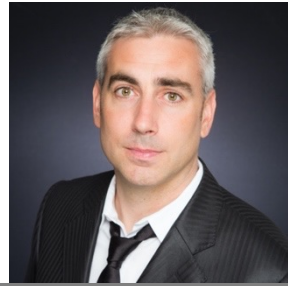
- Working with VMware since 2004 (Consultant)
- VMware Certified Professional since october 2005
- VMware Certified Instructor since March 2006

__ VMware certification __

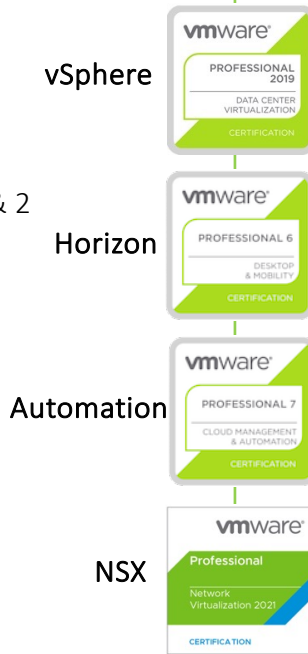
- VMware VCP-DCV v2, v3, v4, v5, v5.5 Delta Exam, v6 & v7
- VMware Certified Instructor v2, v3, v4, v5, v6 & v7, LEVEL 1 & 2
- VMware Certified Advanced Professional v4 (vSphere)
- VMware VCP-DTM v6 (Horizon)
- VMware VCP-Cloud Management v7 (Automation)
- VMware VCP-Network Virtualization 2021 (NSX)
- VMware vRO Livefire MasterClass

__ Others certifications __

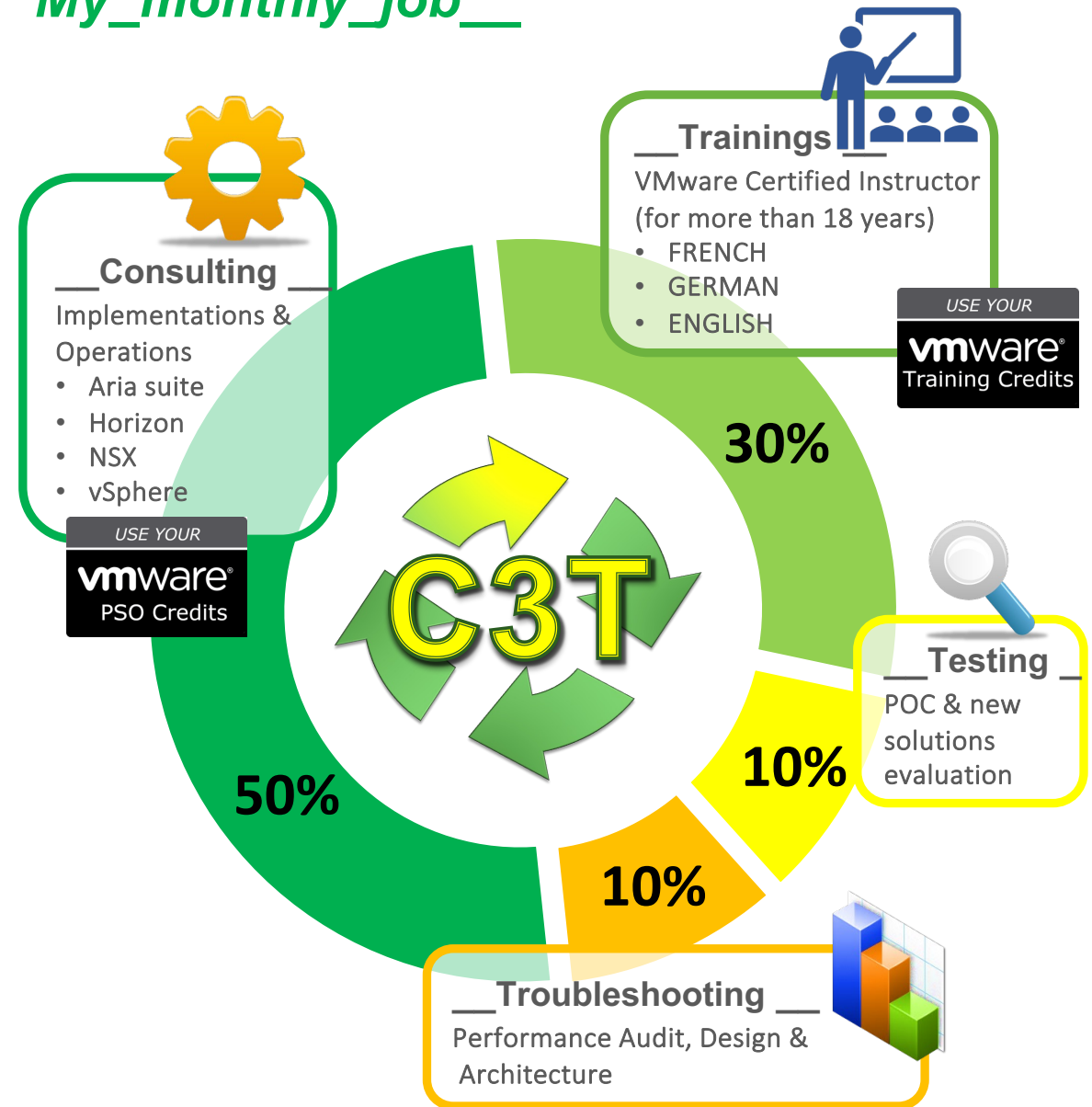
- Veeam VMTSP & VMSP
- NetApp ASAP
- EMC VSE Consolidate Product & Technology
- EMC VSE Backup & Recovery Product & Technology
- Microsoft 070-410: Installing & Configuring Windows Server 2012
- Datacore DCIE & Instructor



4 VCP



My_monthly_job__



My_Compentency_Matrix__



Form	Lab Environment	Workshop	POC	Training & Transfers	Delivery & Operations	Architecture	Troubleshooting	
Level	★ (100)		★★ (200)		★★★ (300)		★★★★ (400)	✓ EXPERT
Purpose	Demo / new features evaluations	Slide presentation with demonstration	Customer env. evaluation	Slide presentation with labs	Customer env. integration	Customer design	Troubleshooting, optimize & Audit	

DATA CENTER & CLOUD INFRASTRUCTURE

vSphere - Core	✓	✓	✓	✓	✓	✓	✓	✓ EXPERT
vSAN	✓	✓	✓	✓	✓	✓	✓	✓ EXPERT
Site Recovery Manager	✓	✓	✓	✓	✓	✓		
Tanzu	✓	✓	✓	✓				
Cloud Director	✓	✓	✓	✓	✓			
vSphere - Automation	✓	✓	✓	✓	✓	-- NA --	-- NA --	

NETWORKING & SECURITY

NSX Micro Segmentation	✓	✓	✓	✓	✓	✓		
NSX Application Platform	✓	✓	✓	✓	✓	✓		
NSX Advanced Load Balancer	✓	✓	✓	✓				
Aria Operations for Networks	✓	✓	✓	✓	✓	✓		

INFRASTRUCTURE & OPERATIONS MANAGEMENT

Aria Operations	✓	✓	✓	✓	✓	✓	✓	✓ EXPERT
Aria Automation	✓	✓	✓	✓	✓	✓	✓	✓ EXPERT
Aria Automation Config (Salt)	✓	✓	✓	✓	✓	✓		
Aria Orchestrator	✓	✓	✓	✓	✓	✓		
Aria Operations for Logs	✓	✓	✓	✓	✓	✓	✓	✓ EXPERT
Aria LifeCycle	✓	✓	✓	✓	✓	✓		

DESKTOP & END USER COMPUTING

Horizon - Core	✓	✓	✓	✓	✓	✓	✓	✓ EXPERT
Horizon Cloud	✓	✓	✓	✓				
UAG & LB	✓	✓	✓	✓	✓	✓		
App Volumes	✓	✓	✓	✓	✓	✓	✓	✓ EXPERT
DEM	✓	✓	✓	✓	✓	✓	✓	✓ EXPERT
Workspace ONE Access	✓	✓	✓	✓	✓	✓		
Aria integration	✓	✓	✓	✓	✓	✓		

VMware by Broadcom

Omissa



My_Consulting_and_Troubleshooting_references__

DATA CENTER

Banque, Industrie & Administration in Switzerland

Year	Length	Category	Scope
2016	5 Days	vSphere	vSphere migration vCenter / 4 ESXi / 70 VMs
2016	3 Days	vSphere	vSphere storage migration vCenter / 12 ESXi / 400 VMs
2016	1 Day	vSphere	vSphere audit & Best practices vCenter / 4 ESXi / 80 VMs
2017	2 Days	vSphere	New vSphere deployment vCenter / 4 ESXi / 30 VMs
2018	2 Days	vSphere	vSphere architecture audit 3 vCenter / 90 ESXi / 2000 VMs / PSC Clustered
2018	3 Days	vSphere	vSphere & Storage migration vCenter / 12 ESXi local & 60 ESXi ROBO/ 250 VMs
2019	4 Days	vSAN	vSAN Deployment and Validation vCenter / 8 ESXi / vSAN Stretched Cluster
2019/20	4 Days	vSphere	vSphere architecture & audit 2 vCenter / 16 ESXi / 350 VMs
2020	3 Days	vSAN	vSphere & vSAN upgrade vCenter / 5 ESXi / vSAN / Horizon
2021	2 Days	vSphere	Architecture and performance Audit vCenter / 20 ESXi / 350 VMs
2022	6 Days	vSphere	Deploy vSphere Stretched Cluster vCenter / 12 ESXi / Stretched Cluster
2022	3 Days	vSphere	vSphere Upgrade vCenter / 5 ESXi / 150 VMs
2023	2 Days	vSphere	vSphere performance Troubleshooting vCenter / 100 ESXi / multiple site
2024	1 Day	vSphere	vSphere performance Troubleshooting vCenter / 6 ESXi / 120 VMs
2024	3 Days	vSphere	vSAN Troubleshooting vCenter / 8 ESXi / vSAN / Horizon

DESKTOP & END USER COMPUTING

Banque, Canton, Watchmaker industry in Switzerland

Year	Length	Category	Scope
2016	4 Days	Horizon	Horizon Troubleshooting Horizon 6 / 10 ESXi / 170 vDesktop / vROPS
2016	3 Days	Horizon	Horizon POC Horizon 7 / 3 ESXi / 40 vDesktop
2017	4 Days	Horizon	Linked Clone with App & Profiles Horizon 7 / AppVolumes / UEM / 12 ESXi / 200 vDesktop
2018	3 Days	Horizon	Horizon Upgrade & Win10 desktops Horizon 7 / 300 vDesktops
2018	6 days	DEM/AP	Horizon, AppVol. & DEM Upgrade Horizon 7.4 / AppVolumes & UEM / 12 ESXi / 350 vDesktop
2018	4 Days	DEM	UEM Troubleshooting Windows 10 Desktop with UEM
2018	2 Day	Horizon	Horizon audit Horizon 7.4 / UEM / 170 vDesktop / vROPS
2018	2 Days	DEM/AP	DEM & AppVolumes settings Horizon 7.4 / App Volumes / UEM 120 vDesktop / vROPS / 2 sites
2019	4 Days	DEM/AP	DEM & AppVolumes settings Horizon 7.4 / App Volumes / UEM 120 vDesktop / vROPS / 2 sites
2019	3 Days	DEM	Desktop Logon time Troubleshooting Horizon 7.7 / App Volumes / DEM
2020	2 Days	DEM	Desktop optimization & DEM rules Horizon 7.7 / App Volumes / DEM
2020	20 Days	Horizon	Windows 10 Desktop transition Horizon 7.12 / AppVolumes / DEM / vROPS
2020	65 Days	DEM/AP	Deploying, optimize & troubleshoot Windows 10 Desktop Horizon 7.13 / App Volumes / DEM / Master VM / 3500 vDesktops / 3D Card
2021	8 Days	Horizon	vCenter & Connection Server migration vSphere 6.7 / Horizon 7.13
2022	2 Days	Horizon	vCenter & Connection Server migration vSphere 6.7 / Horizon 7.13
2022	3 Days	Horizon	Desktop Logon time Troubleshooting Horizon 7 / 4 ESXi Cluster / 200 vDesktop
2022/23	14 Days	DEM/AP	Master optimisation and automation Horizon 8 / 36 ESXi in 5 Cluster / 2 sites / 3D Card / 700 vDesktop / AppVolumes & DEM
2022 - 2024	10 Days	DEM/AP	DEM & AppVolumes advanced config. Migration H7 to H8 Horizon 8 / 4 ESXi Cluster / vSAN / 200 vDesktop
2024	10 Days	Horizon DEM	Architecture / Horizon & DEM. advanced config. Horizon 8 / 16 ESXi / vSAN Stretched Cluster / 2000 vDesktop

INFRASTRUCTURE & OPERATIONS MANAGEMENT

Banque, Canton, Watchmaker industry, Administration, Town in Switzerland & France

Year	Length	Category	Scope
2016	20 Days	vROPS	Calibration & custom Dashboard 4500 VMs / 1200 ESXi / NetApp & HP Solution Pack
2016	15 Days	vRLI vROPS	Calibration, custom Dashboard, Alerts & SuperMetrics 1000 VMs / 2000 vDesktop / 80 ESXi / Blue Medora, NetApp, Cisco UCS & vRealize Log Insight
2016	3 Days	vROPS	vROPS for Troubleshooting 10 ESXi / 170 vDesktop
2017	3 Days	vROPS	Calibration & Reportings 70 ESXi / 400 VMs / UCS Cisco Solution Pack
2017	10 Days	vROPS	Calibration & custom Dashboard. Custom Alerting & Super Metrics 25 ESXi / 400 vDesktop / EMC & UCS Cisco Solution Pack
2017	5 Days	vROPS	vROPS with Horizon Solution pack 40 ESXi / 250 vDesktop
2017/18	13 Days	vROPS	Calibration & custom Dashboard, Alerting & View 30 ESXi / 300 VMs / 1800 vDesktop
2018	3 Days	vROPS	vROPS calibration & Solution Pack 12 ESXi / Horizon / RDSH / vROPS / Storage & Network Pack
2018	7 Days	vRA vRO	vRA & vRO Deployment. Blue print & Workflow deployments 12 ESXi / 200 vDesktop
2019	4 Days	vROPS	Calibration, custom Dashboard & Alerts, Solution Pack 600 VMS / 16 ESXi / vSAN Audit
2019/20	7 Days	vROPS	Calibration, custom Dashboard & Alerts, Solution Pack 45 ESXi / 400 VMs / stretched Datacenter
2022	10 Days	vRA vRO	vRA & vRO Deployment & connection solution pack. Blue print & Workflow 2000 VMs / 60 ESXi / 4 Cluster / 700 vDesktop
2023/24	11 Days	vROPS	Calibration, custom Dashboard & Alerts, Solution Pack 500 ESXi / 6000 VMS / vSAN / 5 sites
2018 - 2024	110 Days	vROPS vRA vRLI	vRA & vRO Deployment & connection solution pack. Blue print & Workflow deployments vROPS calibration, custom Dashboard & Alerts, Solution Pack. Log Insight Deployment, Widget & queries creations 250 ESXi / 3000 VMs / 7 Clusters VSI & 4 Clusters VDI / Stretched Cluster / vSAN
2024	6 Days	vROPS	Custom Dashboard économie d'énergie 30 ESXi / 600 VMS / vSAN Stretched / 2 sites
2024	4 Days	vRA vRO	Creation de Cloud Template et extensibility 4 sites / 44 ESXi / 1000 VMs
2024	5 Days	Salt	Saltstack Config avec SQL Server 2 sites / Multiple SQL nodes

NETWORKING & SECURITY

Canton and Watchmaker industry in Switzerland

Year	Length	Category	Scope
2021	5 Days	NSX-T	POC Micro Segmentation & security Rules Tier 0 & Tier1 / 2 Edge / Security Group & Rules
2022	3 Days	NSX-T	NSX-T Managed by vRA & API Micro Segmentation & security Groups/Rules
2023	7 Days	NSX-T	Micro Segmentation & Network Services Tier 0 & Tier1 / 4 Edge / AVI / Security Group & Rules
2024	4 Days	NSX-T	Advanced security Aria Operations for Networks / Security Group & Rules
2024	8 Days	NSX-T	Advanced security Advanced Threat Prevention / Security Group & Rules



My Trainings_list



Over 18 years of experience in the field of virtualization with more than 450 Official VMware Training in Switzerland, France & Germany since March 2006 .

This is a short list of my current trainings delivering Onsite, Online or in a VMware Certified Training Center.

At Customer site
60%

Training center
40%

DATA CENTER

Training name	Versions	Level	Length
VCP VMware vSphere: Install, Configure, Manage	[v8.0]	Core	5 Days
VCP VMware vSphere: What's New	[v7 > v8]	Professional	2 Days
VCP VMware vSphere: Fast Track	[v8.0]	Professional	5 Days New
VMware vSphere: Design	[v8.0]	Professional	3 Days
VCP VMware vSphere: Advanced Administration Workshop	[v7.0]	Advanced	5 Days
VCP VMware vSphere: Operate, Scale, and Secure	[v8.0]	Advanced	5 Days
VCP VMware vSphere: Troubleshooting	[v8.0]	Advanced	5 Days New
Data Center Virtualization: Core Technical Skills [V7]	[v7.0]	Core	4 Days
VMware vSAN: Install, Configure, Manage	[v8.0]	Core	2 Days
VMware vSAN: Management and Operations	[v7.0]	Advanced	3 Days
VMware vSAN: Troubleshooting	[v8.0]	Advanced	2 Days New
VMware vSphere with Tanzu: Deploy and Manage	[v8.0]	Core	3 Days New
VMware Site Recovery Manager: Install, Configure, Manage	[v8.2]	Core	3 Days
VCP VMware Cloud Foundation: Deploy, Configure, Manage	[V5.0]	Core	5 Days New
VMware Cloud Foundation: Troubleshooting	[V5.0]	Advanced	2 Days New

NETWORKING & SECURITY

Training name	Versions	Level	Length
VCP VMware NSX-T Data Center: Install, Configure, Manage	[v4.0]	Core	5 Days
VCP VMware NSX: What's New	[v4.0]	Professional	2 Days
VCP VMware NSX-T Data Center: Troubleshooting & Operations	[v4.0]	Advanced	5 Days
VMware NSX-T Data Center: Design	[v3.0]	Professional	5 Days
VCP VMware NSX-T Data Center for Intrinsic Security	[v4.1]	Advanced	5 Days New
VMware Aria Operations for Networks: Install, Configure, Manage	[v6.8]	Professional	2 Days

INFRASTRUCTURE & OPERATIONS MANAGEMENT

Training name	Versions	Category	Length
VCP VMware Aria Automation: Install, Configure, Manage	[v8.10]	Core	5 Days
VMware Aria Automation: Orchestration and Extensibility	[v8.13]	Advanced	5 Days New
VMware vRealize Automation: Troubleshooting	[v8.6]	Advanced	5 Days
VMware Aria Automation SaltStack Config: Deploy and Manage	[v8.4]	Professional	3 Days
VMware Aria Operations: Install, Configure, Manage	[v8.6]	Core	5 Days New
VMware Aria Operations for Operators	[v8.6]	Professional	2 Days
VMware Aria Operations: Advanced Use Cases	[v8.x]	Advanced	2 Days
Troubleshooting VMware vRealize Operations	[v8.x]	Advanced	2 Days
VMware Aria Operation for Logs: Install, Configure, Manage	[v8.12]	Core	2 Days New
VMware Aria Suite Lifecycle Manager: Install, Configure, Manage	[V8.10]	Core	2 Days

DESKTOP & END USER COMPUTING

Training name	Versions	Level	Length
VCP Omnissa Horizon 8: Deploy and Manage	[v8.8]	Core	5 Days
Omnissa Horizon 8: Infrastructure Troubleshooting	[v8.0]	Professional	3 Days
Omnissa Horizon 8: Virtual Desktop Troubleshooting	[v8.0]	Professional	3 Days
VCP Omnissa Horizon 8: Troubleshooting Bootcamp	[v8.0]	Advanced	5 Days New
Omnissa Horizon Cloud Service – Next Gen on Microsoft Azure: Deploy & Manage		Professional	5 Days New
Omnissa App Volumes and Dynamic Environment Manager	[2212]	Professional	3 Days
Omnissa App Volumes and Dynamic Env. Manager Troubleshooting	[2212]	Advanced	2 Days New
Omnissa Horizon 8: Deploy & Manage + App Volumes Fast Track	[v8.0]	Advanced	5 Days



My_validation_Center

GW: 10.0.243.1
DNS1: 8.8.8.8

MGNT
TIER01: Share High

VDI
TIER02: Share Medium
Software

vCLASS&
VALID

vINFRA
TIER04: Share Low
Limit 10GHZ/64GB



Hardware

Infos	Product	Details
Hardware	Chassis	1x Supermicro MicroBlade 3U
	Servers	7x Supermicro MBI-6118G-T41X
		4x Supermicro MBI-6128R-T2X
		1x Intel NUC NUC8I7HNK2
		1x Raspberry Pi 4 8G Model B (ARMv8)
	Switches	2x Supermicro MBM-XEM-02 10GB
Cost	Hardware	+ 55K CHF/\$
Location	Datacenter	Breanserv in Crissier (Switzerland), Home
	Provider	Multiple IP on domain name vcenterlab.com
Tools	Collaboration	Obsidian, Office 365, Gitlab

Solution	Product	Version	Contents
vSphere	ESXi & vCenter	8.0 U2 & U3	Multiple vCenter in Linked Mode, 10 ESXi & > 150 VMs (VSI, VDI & Containers) set as Privat Cloud with 4 SLAs
	Nested ESXi	8.0 & 7.0x	Trusted platform, NSX, FT, vVol, SDRS & Autodeploy
	vSAN	8.0	Standart Cluster and 2 nodes Cluster. Custom Storage policies, vROP custom dashboards, Cloud Native Storage
	Tanzu	1.2X	4 Namespaces, Harbor, Tanzu Grid
	Cloud Director	10.4	Provider VDC, vAPP, NSX Network & Storage Policies
NSX	Manager	4.1.2	TOP 25 Security Group scenarios, Segments, AVI Networks, FW, multiple T0 & T1 Gateways, VRF, APT
	AVI	22.1	NSX Advanced Load Balancer
	Op. for Network	6.11	Network Analysis, Troubleshooting
Aria	Automation &	8.16	TOP 40 own custom Cloud Template (Blueprints) Day 1&2, Ansible, Azure, AD, vROPS, Terraform, Multi-Tenant
	SaltStack Config	8.16	TOP 20 own SLS & Top file, Pillars, Becons & Reactors
	Orchestrator	8.16	TOP 30 own custom Workflow Day 1&2, vCenter plugin AD & PowerShell
	Operations	8.17.1	TOP 30 own customs Dashboards, 15 own customs Alerts, customs metrics
	Operations for Logs	8.16	TOP 40 own customs Widgets, Fields & Queries
	Lifecycle	8.16	Multi tenant, Git integration, Certificates, Marketplace
Horizon	Horizon	2312.1	IC Win & Linux, Manual Desktop, FC, CP, RDSH App & Desktop, UAGs
	AppVolumes	4.13.2	Application management & Delivery, Packages & Writable Volumes
	DEM	2312	TOP 30 own custom rules, Multi-Language, Profiles, Smart Policies, Help Desk
	Master	Win10,11 & RDS	Optimisation and automation with OSOT Tools, MDT and Packer
	Workspace ONE	2312	TOP 50 own web & virtual apps, Migration tools
Tools	AD, DB, Rubrick, VPN, CMDB, IPAM, Simulators & Nested		

VM TIER.	Storage priority	copy of Data	Cache res.	RAID Level
VM TIER01		3	50%	RAID1
VM TIER02		2	50%	RAID1
VM TIER03		2	0%	RAIDS
VM TIER04		1	0%	RAIDS

