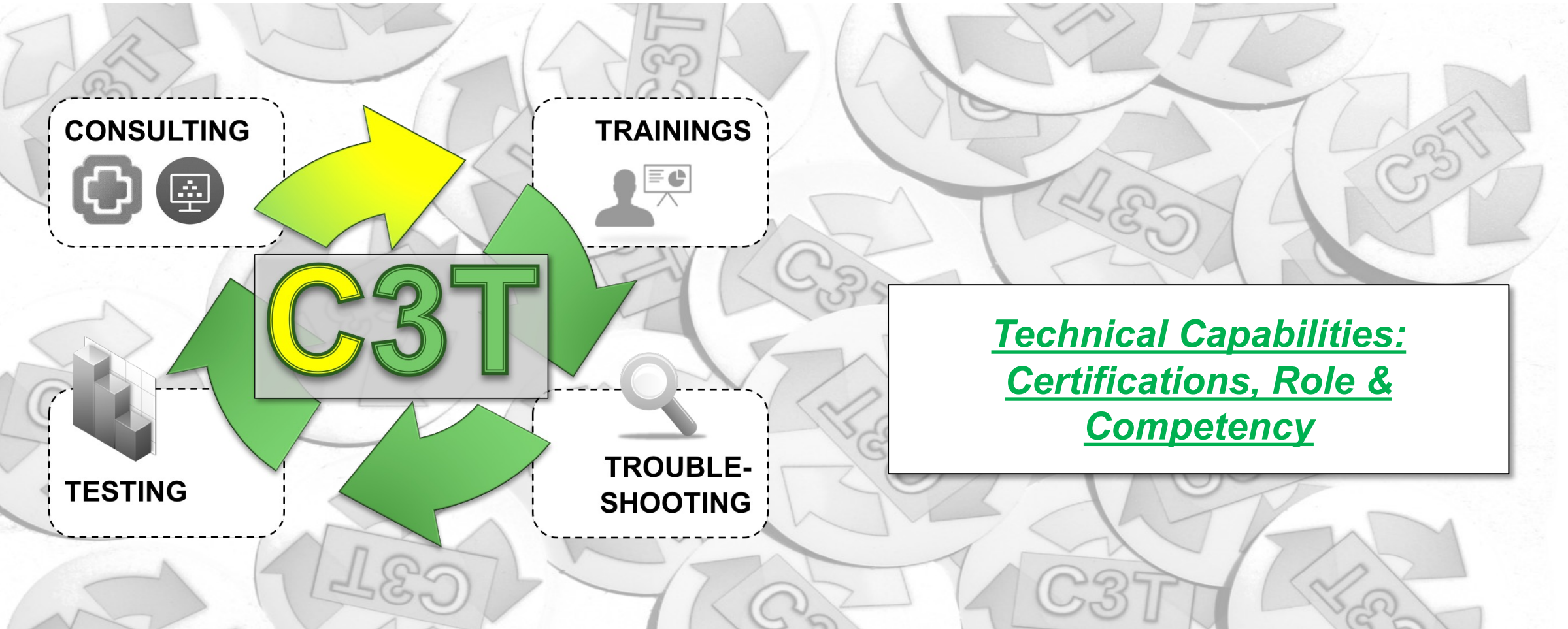


# Jean Ulrich

## --- VMware Consultant & Instructor --- Competency Matrix



# My\_informations\_&\_Certifications\_\_

## Jean Ulrich

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

## Experiences

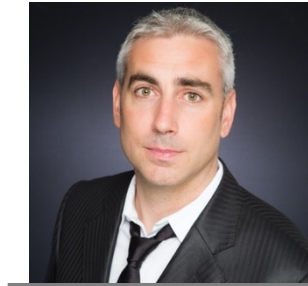
- Working with VMware since 2004 (Consultant)
- VMware Certified Professional since october 2005
- VMware Certified Instructor since March 2006

## 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

vSphere



Horizon



Automation



NSX



# My\_monthly\_job\_\_



# My\_Competency\_Matrix\_\_



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

## ---- DATA CENTER ----

|                |   |   |   |   |   |          |          |          |
|----------------|---|---|---|---|---|----------|----------|----------|
| vSphere        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓        | ✓        | ✓ EXPERT |
| vSAN           | ✓ | ✓ | ✓ | ✓ | ✓ | ✓        | ✓        | ✓ EXPERT |
| SRM            | ✓ | ✓ | ✓ | ✓ | ✓ | ✓        |          |          |
| Containers     | ✓ | ✓ | ✓ | ✓ |   |          |          |          |
| Cloud Director | ✓ | ✓ | ✓ | ✓ | ✓ |          |          |          |
| PowerCLI       | ✓ | ✓ | ✓ | ✓ | ✓ | -- NA -- | -- NA -- |          |

## ---- DESKTOP & END USER COMPUTING ----

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

## ---- INFRASTRUCTURE & OPERATIONS MANAGEMENT ----

|                   |   |   |   |   |   |   |   |          |
|-------------------|---|---|---|---|---|---|---|----------|
| Aria Operations   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ EXPERT |
| Aria Automation   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ EXPERT |
| Aria Orchestrator | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |   |          |
| Aria Log Insight  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ EXPERT |
| Aria LifeCycle    | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |   |          |
| vCloud Director   | ✓ | ✓ |   |   |   |   |   |          |

## ---- NETWORKING & SECURITY ----

|                            |   |   |   |   |   |   |  |  |
|----------------------------|---|---|---|---|---|---|--|--|
| NSX Micro Segmentation     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  |  |
| NSX Application Platform   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  |  |
| NSX Advanced Load Balancer | ✓ | ✓ | ✓ | ✓ |   |   |  |  |
| Aria Network               | ✓ | ✓ | ✓ | ✓ | ✓ |   |  |  |



# My\_Consulting\_and\_Troubleshooting\_references\_\_

## ---- DATA CENTER ----

Banque, Industrie & Administration in Switzerland

| Year | Length | Category | Scope                              |
|------|--------|----------|------------------------------------|
| 2016 | 5 Days | vSphere  | vSphere migration                  |
| 2016 | 3 Days | vSphere  | vSphere storage migration          |
| 2016 | 1 Day  | vSphere  | vSphere audit & Best practices     |
| 2017 | 2 Days | vSphere  | New vSphere deployment             |
| 2018 | 2 Days | vSphere  | vSphere architecture audit         |
| 2018 | 3 Days | vSphere  | vSphere & Storage migration        |
| 2019 | 4 Days | vSAN     | vSAN Deployment and Validation     |
| 2019 | 3 Days | vSphere  | vSphere architecture & audit       |
| 2020 | 1 Days | vSAN     | vSphere & vSAN upgrade             |
| 2020 | 3 Days | vSAN     | vSphere & vSAN upgrade             |
| 2021 | 2 Days | vSphere  | Architecture and performance Audit |
| 2022 | 6 Days | vSphere  | Deploy vSphere Stched Cluster      |
| 2022 | 3 Days | vSphere  | vSphere Upgrade                    |

## ---- DESKTOP & END USER COMPUTING ----

Banque, Canton, Watchmaker industry in Switzerland

| Year | Length  | Category | Scope                                                          |
|------|---------|----------|----------------------------------------------------------------|
| 2016 | 4 Days  | Horizon  | Horizon Troubleshooting                                        |
| 2016 | 3 Days  | Horizon  | Horizon POC                                                    |
| 2017 | 4 Days  | Horizon  | Linked Clone with App & Profiles                               |
| 2018 | 3 Days  | Horizon  | Horizon Upgrade & Win10 desktops                               |
| 2018 | 6 days  | DEM/AP   | Horizon, AppVol. & DEM Upgrade                                 |
| 2018 | 4 Days  | DEM      | UEM Troubleshooting                                            |
| 2018 | 2 Day   | Horizon  | Horizon audit                                                  |
| 2018 | 2 Days  | DEM/AP   | Horizon 7.4 / App Volumes / UEM 120 vDesktop / vROPS / 2 sites |
| 2019 | 4 Days  | DEM/AP   | DEM & AppVolumes settings                                      |
| 2019 | 3 Days  | DEM      | Desktop Logon time Troubleshooting                             |
| 2020 | 2 Days  | DEM      | Desktop optimization & DEM rules                               |
| 2020 | 20 Days | Horizon  | Windows 10 Desktop transition                                  |
| 2020 | 65 Days | DEM/AP   | Deploying, optimize & troubleshoot Windows 10 Desktop          |
| 2021 | 8 Days  | Horizon  | vCenter & Connection Server migration                          |
| 2022 | 2 Days  | Horizon  | vSphere 6.7 / Horizon 7.13                                     |
| 2022 | 3 Days  | Horizon  | Desktop Logon time Troubleshooting                             |
| 2022 | 14 Days | DEM/AP   | Master optimisation and automation                             |
| 2022 | 3 Days  | DEM/AP   | DEM & AppVolumes advanced config.                              |

## ---- INFRASTRUCTURE & OPERATIONS MANAGEMENT ----

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

| Year | Length  | Category       | Scope                                                                                                                                                                                              |
|------|---------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2016 | 20 Days | vROPS          | Calibration & custom Dashboard                                                                                                                                                                     |
| 2016 | 15 Days | vRLI           | Calibration, custom Dashboard, Alerts & SuperMetrics                                                                                                                                               |
| 2017 | 3 Days  | vROPS          | vROPS for Troubleshooting                                                                                                                                                                          |
| 2017 | 3 Days  | vROPS          | Calibration & Reportings                                                                                                                                                                           |
| 2017 | 10 Days | vROPS          | Calibration & custom Dashboard. Custom Alerting & Super Metrics                                                                                                                                    |
| 2017 | 5 Days  | vROPS          | vROPS with Horizon Solution pack                                                                                                                                                                   |
| 2017 | 10 Days | vROPS          | Calibration & custom Dashboard, Alerting & View                                                                                                                                                    |
| 2018 | 3 Days  | vROPS          | vROPS calibration & Solution Pack                                                                                                                                                                  |
| 2018 | 7 Days  | vRA vRO        | vRA & vRO Deployment. Blue print & Workflow deployments                                                                                                                                            |
| 2019 | 4 Days  | vROPS          | Calibration, custom Dashboard & Alerts, Solution Pack                                                                                                                                              |
| 2019 | 6 Days  | vROPS          | Calibration, custom Dashboard & Alerts, Solution Pack                                                                                                                                              |
| 2020 | 1 Days  | vROPS          | Calibration, custom Dashboard & Alerts, Solution Pack                                                                                                                                              |
| 2018 | 85 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 |
| 2022 | 10 Days | vRA vRO        | vRA & vRO Deployment & connection solution pack. Blue print & Workflow                                                                                                                             |

## ---- NETWORKING & SECURITY ----

Canton and Watchmaker industry in Switzerland

| Year | Length | Category | Scope                                    |
|------|--------|----------|------------------------------------------|
| 2021 | 5 Days | NSX-T    | POC Micro Segmenetation & security Rules |
| 2022 | 3 Days | NSX-T    | NSX-T Managed by vRA & API               |
| 2022 | 7 Days | NSX-T    | Micro Segmenetation & Network Services   |



# My\_Trainings\_list



Over 16 years of experience in the field of virtualization with more than 400 Official VMware Training in Switzerland, France & Germany since March 2006 .  
Fundamentally, I can give the complete VMware training portfolio (except Airwatch & Carbon Black product family).

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

| VMware vSphere, vSAN, SRM Courses                                      |                |              |        |     |
|------------------------------------------------------------------------|----------------|--------------|--------|-----|
|                                                                        | Versions       | Level        | Length |     |
| VCP VMware vSphere: Install, Configure, Manage                         | [v8.0]         | Core         | 5 Days | New |
| VCP VMware vSphere: What's New                                         | [v7.0 to v8.0] | Professional | 2 Days | New |
| VCP VMware vSphere: Fast Track                                         | [v8.0]         | Professional | 5 Days | New |
| VMware vSphere: Design                                                 | [v7.0]         | Professional | 3 Days |     |
| VMware vSphere with Tanzu: Deploy and Manage                           | [v7.0]         | Advanced     | 3 Days |     |
| VMware vSphere: Advanced Administration Workshop                       | [v7.0]         | Advanced     | 5 Days | New |
| VCP VMware vSphere: Optimize, Scale and Secure                         | [v8.0]         | Advanced     | 5 Days | New |
| VCP VMware vSphere: Optimize and Scale plus Troubleshooting Fast Track | [v7.0]         | Advanced     | 5 Days |     |
| VCP VMware vSphere: Troubleshooting                                    | [v7.0]         | Advanced     | 5 Days |     |
| Data Center Automation with vRealize Orchestrator and vSphere PowerCLI |                | Advanced     | 5 Days |     |
| VMware vSAN: Install, Configure, Manage                                | [v8.0]         | Core         | 2 Days | New |
| VMware vSAN: Management and Operations                                 | [v7.0]         | Advanced     | 3 Days |     |
| VMware vSAN: Troubleshooting                                           | [v8.0]         | Advanced     | 2 Days | New |
| VMware vSAN: Fast Track                                                | [v8.0]         | Professional | 5 Days | New |
| VMware Site Recovery Manager: Install, Configure, Manage               | [v8.2]         | Core         | 3 Days |     |
| VMware Cloud Director: Install, Configure, Manage                      | [V10.3]        | Core         | 5 Days |     |

| VMware NSX-T Data Center, Network Insight Courses                   |          |              |        |     |
|---------------------------------------------------------------------|----------|--------------|--------|-----|
|                                                                     | Versions | Level        | Length |     |
| VCP VMware NSX-T Data Center: Install, Configure, Manage            | [v4.0]   | Core         | 5 Days | New |
| VCP VMware NSX: What's New                                          | [v4.0]   | Professional | 2 Days | New |
| VCP VMware NSX-T Data Center: Troubleshooting & Operations          | [v4.0]   | Advanced     | 5 Days | New |
| VMware NSX-T Data Center: Design                                    | [v3.0]   | Professional | 5 Days |     |
| VMware NSX-T Data Center for Intrinsic Security                     | [v3.2]   | Advanced     | 5 Days |     |
| VMware vRealize Network Insight: Install, Configure, Manage         | [v6.1]   | Professional | 2 Days |     |
| VMware Horizon Courses                                              |          |              |        |     |
|                                                                     | Versions | Level        | Length |     |
| VCP VMware Horizon 8: Deploy and Manage                             | [v8.0]   | Core         | 5 Days |     |
| VMware Horizon 8: Infrastructure Troubleshooting                    | [v8.0]   | Professional | 3 Days |     |
| VMware Horizon 8: Virtual Desktop Troubleshooting                   | [v8.0]   | Professional | 3 Days |     |
| VCP VMware Horizon 8: Troubleshooting Bootcamp                      | [v8.0]   | Advanced     | 5 Days | New |
| VMware Horizon on Azure                                             | [v8.0]   | Professional | 5 Days | New |
| VMware App Volumes and Dynamic Environment Manager                  |          | Professional | 3 Days |     |
| VMware App Volumes and Dynamic Env. Manager Troubleshooting         |          | Advanced     | 2 Days | New |
| VMware Horizon 8: Deploy & Manage + App Volumes Fast Track          | [v8.0]   | Advanced     | 5 Days |     |
| VMware vRealize Suite Courses                                       |          |              |        |     |
|                                                                     | Versions | Category     | Length |     |
| VCP VMware vRealize Automation: Install, Configure, Manage          | [v8.3]   | Core         | 5 Days |     |
| VMware vRealize Automation: Orchestration and Extensibility         | [v8.x]   | Advanced     | 5 Days |     |
| VMware vRealize Automation: Advanced Features and Troubleshooting   | [v8.x]   | Advanced     | 5 Days |     |
| VMware vRealize Automation SaltStack Config: Deploy and Manage      | [v8.4]   | Professional | 3 Days | New |
| VMware vRealize Operations: Install, Configure, Manage              | [v8.6]   | Core         | 5 Days | New |
| VMware vRealize Operations for Operators                            | [v8.6]   | Professional | 2 Days | New |
| VMware vRealize Operations: Advanced Use Cases                      | [v8.x]   | Advanced     | 2 Days | New |
| VMware vRealize Log Insight: Deploy & Manage                        | [v8.4]   | Core         | 2 Days |     |
| VMware vRealize Suite Lifecycle Manager: Install, Configure, Manage | [V8.0]   | Core         | 2 Days |     |



# My\_validation\_Center\_\_

## Software\_\_



## Hardware\_\_

| Solution | Version                                               | Version     | Contents                                                                                                              |
|----------|-------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------|
| vSphere  | ESXi & vCenter                                        | 8.0 & 7.0U3 | 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         | <b>Standart Cluster and 2 nodes Cluster . Custom Storage policies</b> , vROP custom dashboards, Cloud Native Storage  |
|          | Kubernetes                                            | 1.20.2      | 4 Namespaces, Harbor, Tanzu Grid                                                                                      |
|          | Cloud Director                                        | 10.4        | Provider VDC, vAPP, NSX Network & Storage Policies                                                                    |
| Aria     | Automation & SaltStack Config                         | 8.10        | <b>TOP 40 own custom Cloud Template (Blueprints) Day 1&amp;2</b> , Ansible, Azure, AD, vROPS, Terraform, Multi-Tenant |
|          | Orchestrator                                          | 8.10        | <b>TOP 30 own custom Workflow Day 1&amp;2</b> , vCenter plugin AD & PowerShell                                        |
|          | Operations                                            | 8.10        | <b>TOP 30 own customs Dashboards, 15 own customs Alerts</b> , customs metrics                                         |
|          | Log Insight                                           | 8.10        | <b>TOP 40 own customs Widgets, Fields &amp; Queries</b>                                                               |
| Horizon  | Lifecycle                                             | 8.10        | Multi tenant, Git integration, Certificates, Marketplace                                                              |
|          | Horizon                                               | 2209        | IC Win & Linux, Manual Desktop, FC, CP, RDSH App & Desktop, UAGs                                                      |
|          | AppVolumes                                            | 2209        | Application management & Delivery, Packages & Writable Volumes                                                        |
|          | DEM                                                   | 2209        | <b>TOP 30 own custom rules</b> , Multi-Language, Profiles, Smart Policies, Help Desk                                  |
|          | Master                                                | Win 10      | Optimisation and automation with OSOT Tools, MDT and Packer                                                           |
| NSX      | Workspace ONE                                         | 2209        | <b>TOP 50 own web &amp; virtual apps</b> , Migration tools                                                            |
|          | Manager                                               | 4.0.1.1     | <b>TOP 25 Security Group scenarios</b> , Segments, AVI Networks, FW, multiple T0 & T1 Gateways, VRF, APT              |
|          | AVI                                                   | 22.1        | NSX Advanced Load Balancer                                                                                            |
|          | Network Insight                                       | 6.8         | Network Analysis, Troubleshooting                                                                                     |
| Tools    | AD, DB, Rubrick, VPN, CMDB, IPAM, Simulators & Nested |             |                                                                                                                       |

| Infos    | Product       | Details                                   |
|----------|---------------|-------------------------------------------|
| Hardware | Chassis       | 1x Supermicro MicroBlade 3U               |
|          | Servers       | 7x Supermicro MBI-6118G-T41X              |
|          |               | 1x 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      | ≈ 50K CHF/\$                              |
| Location | Datacenter    | SafeHost in Gland (Switzerland), Home     |
|          | Provider      | Multiple IP on domain name vcenterlab.com |
| Tools    | Collaboration | Confluence, Office 365, Gitlab            |