AVT

Advanced Virtualization Technologies

Considerations
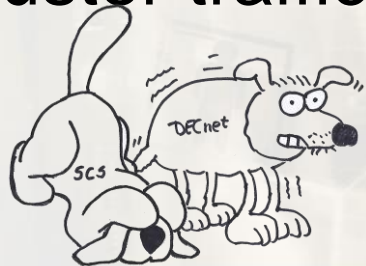
OpenVMS	Cloud
• Hardware	• SAAS / PAAS / IAAS
• In-house	• Somewhere
• Always on	• Resource sharing
• DECnet/Cluster traffic	• TCP/IP

AVTware Cloud Requirements

- CPUs
- Memory
- Storage
  - ➜ IAAS

⬡ Protected Environment

⬡ Cloud Selectable Option

⬥AVT Advanced Virtualization Technologies

VMS Cloud Goal

Any Cloud
(TCP/IP !)

Alpha

TCP/IP
Decnet
Cluster

VAX

Alpha

AVTware

Private & Encrypted

Your Company

Company
LAN

AVTware Structure

Just for fun

Cloud 1

Cloud 2

vtAlpha

vtAlpha

AVT Cloud

VMS Cluster
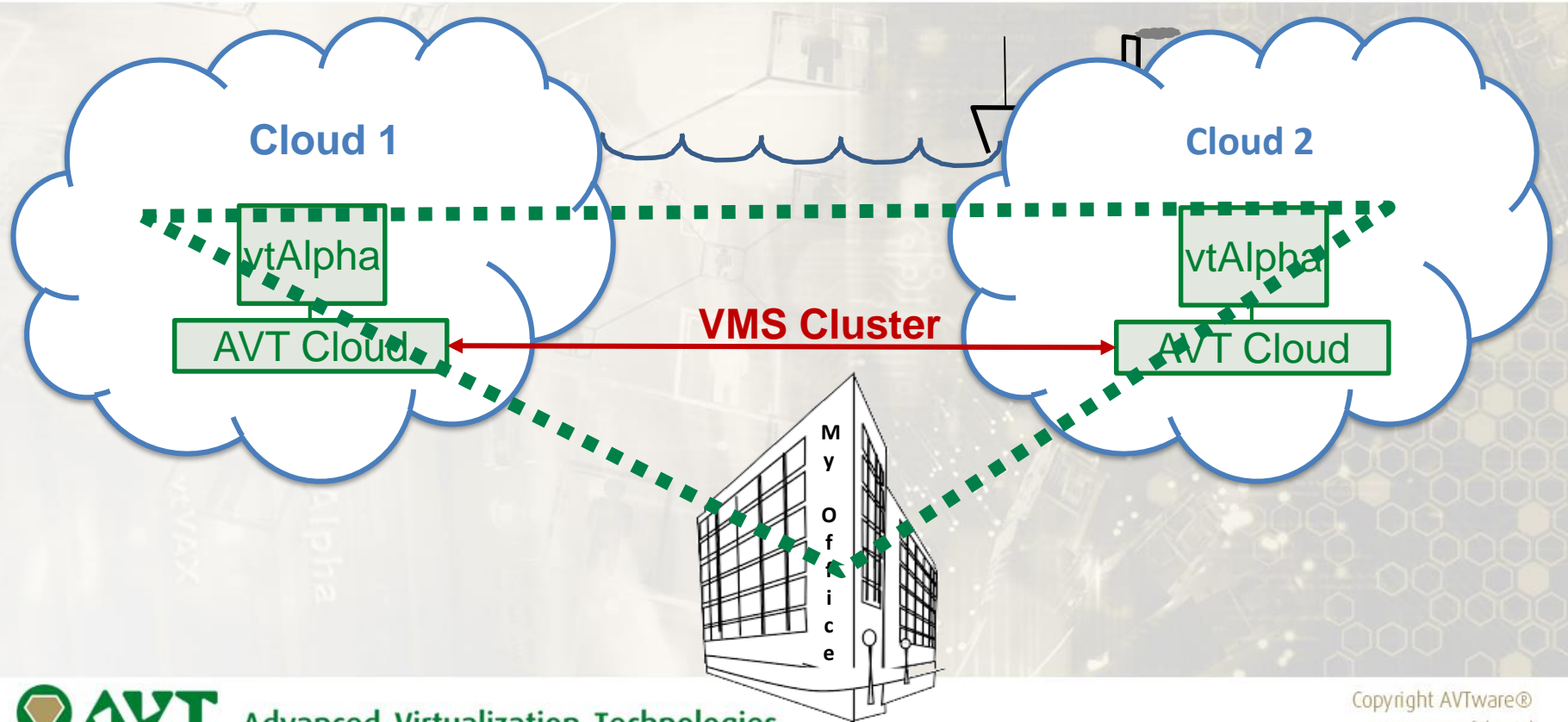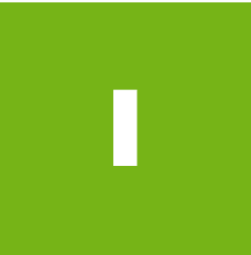
AVT Cloud

My Office
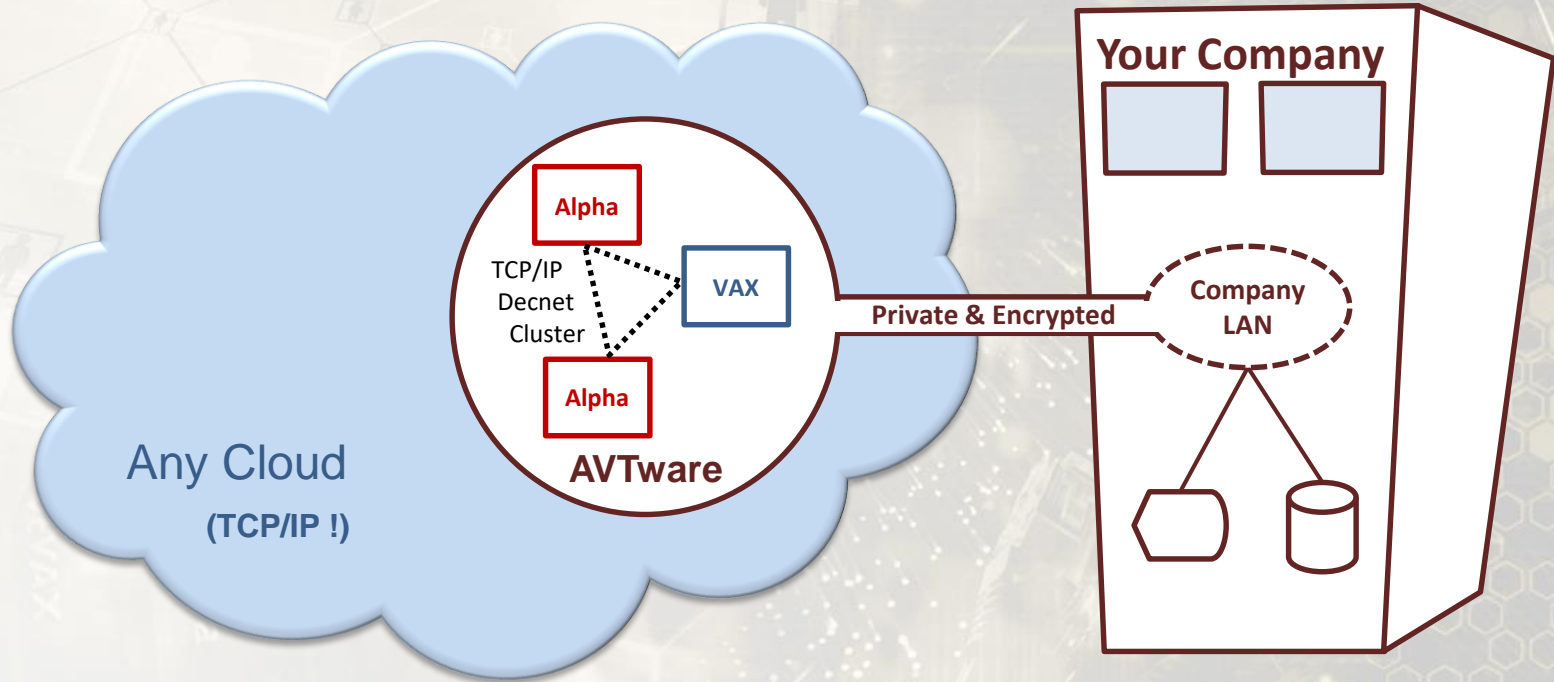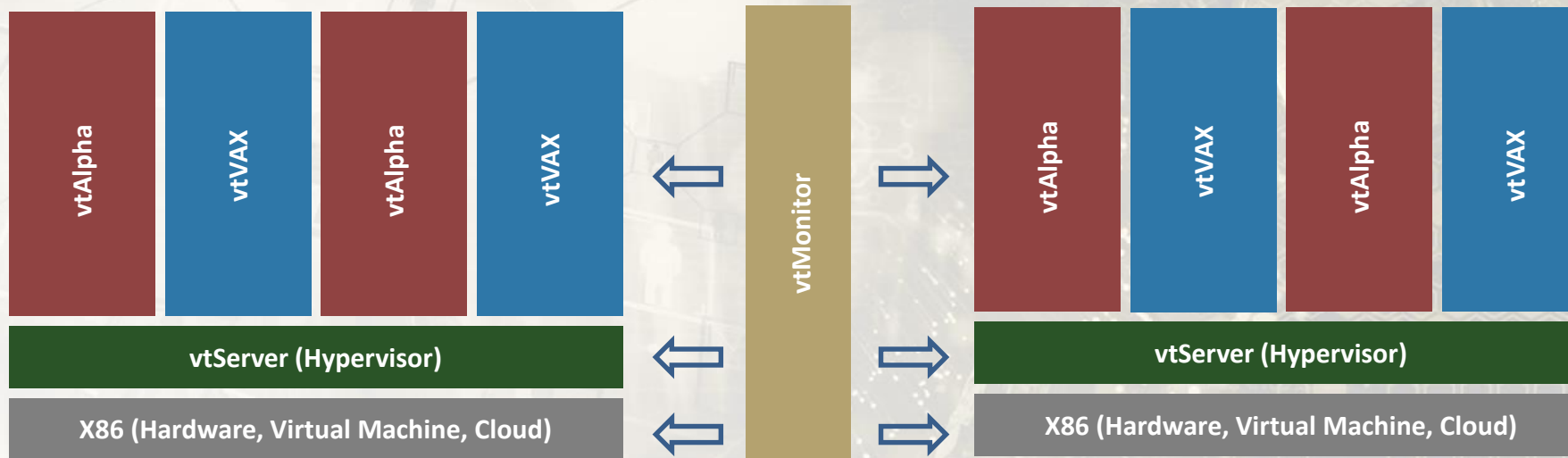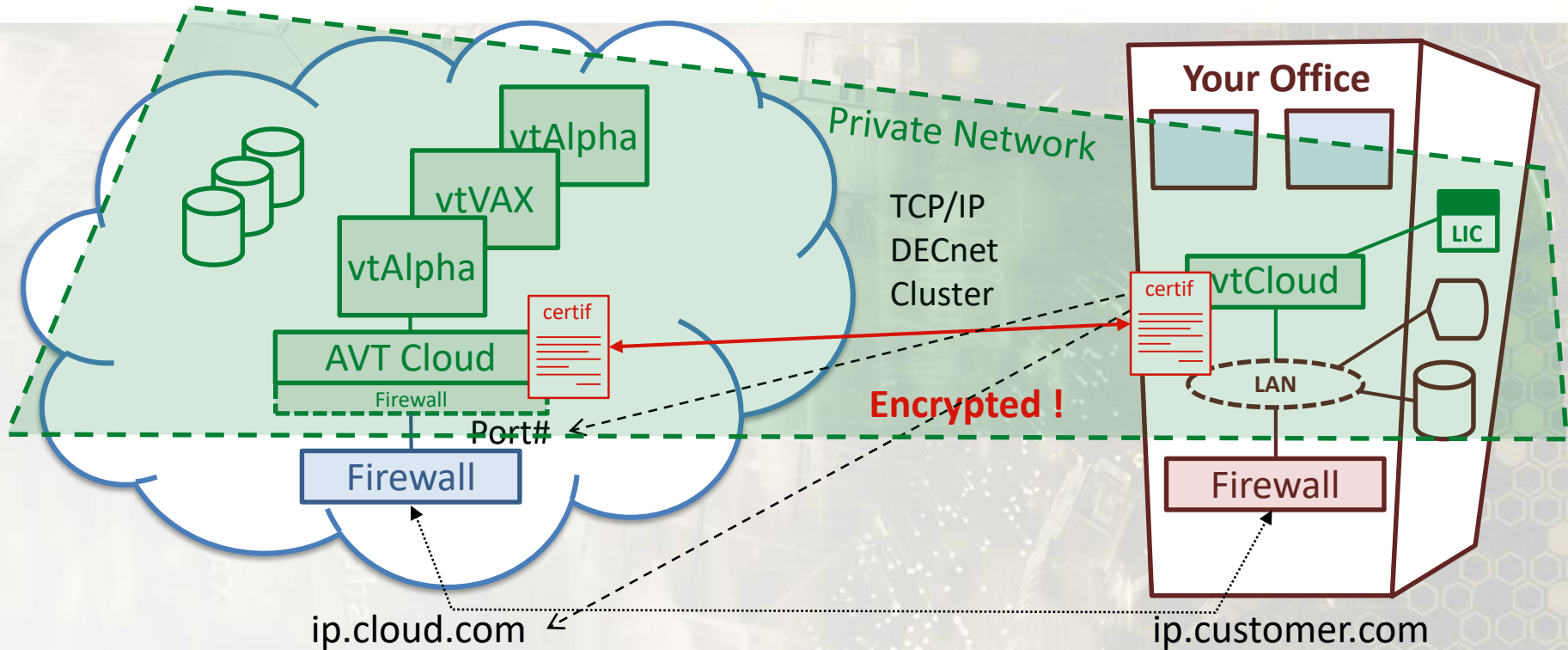
VSI Cloud

- Migrate Alpha and VAX systems to Cloud
- AVT and VMSsoftware Inc cooperation
- Customer can choose Cloud Provider
- VMS VSI support
- VSI Growth path
- VSI Private Cloud is secure and cost-effective

AVT Advanced Virtualization Technologies

Oracle Cloud

- Migrate Alpha and VAX systems to Cloud
- VMS provisioning in Oracle Cloud (ease of use)
- Select from menu
- Load and expand
- Secure and cost-effective
- AVT and Oracle cooperation

ORACLE
Cloud Infrastructure

Search ⌖ us-ashburn-1 ▾ ? 👤

Compute » Instances » Instance Details

vtCloud

| Create Custom Image | Start | Stop | Reboot | **Terminate** | **Apply Tag(s)** |

Instance Information | Tags

Instance Information

Availability Domain: SraN:US-ASHBURN-AD-1

Fault Domain: FAULT-DOMAIN-2

Region: iad

Shape: VM.Standard1.2

Virtual Cloud Network: vcn20181011111431

Maintenance Reboot: -

Image: vtServer

OCID: ...lpzxmq Show Copy

Launched: Thu, 18 Oct 2018 06:19:02 GMT

Compartment: hpc_limited_availability_d (root)

Launch Mode: EMULATED

Primary VNIC Information

Private IP Address: 10.0.0.7

Public IP Address: 129.213.166.55

Internal FQDN: vtcloud... Show Copy

Subnet: Public Subnet SraN:US-ASHBURN-AD-1

This Instance's traffic is controlled by its firewall rules in addition to the associated Subnet's Security Lists.

Resources

Attached Block Volumes (1)

Attached VNICs (1)

Boot Volume (1)

Attached Block Volumes

Displaying 1 Attached Block Volumes

Attach Block Volume

BV	vtCloud Data	**Attachment Type:** emulated	**Size:** 100.0 GB	**Availability Domain:** SraN:US-ASHBURN-AD-1	**Created:** Thu, 18 Oct 2018 05:28:01 GMT
	OCID: ...xrnndq Show Copy	**Attachment Access:** Read/Write			
		Block Volume Compartment: hpc_limited_availability_d			

◊ΛVT Advanced Virtualization Technologies

vtMonitor

v4.0.0-49 build 624

Logout

| Monitor | Manual |

New Virtual Machine

- 🖥 **vtserver400-624-1.nl**
- 🛡 **rackmntvtlic.avt**
- ⊟ 🖥 **vtCloud-Oracle.avtware.com**
  - 🟥 RDB ES45

| Host | Storage | Network | Users | License | Logging | **User: root** | **Host: vtCloud-Oracle.avtware.com** |

| Info | Settings | Update |

```
Boot time:              18-Oct-2018 06:20:00
Uptime:                 4:38
Load average:           0.14, 1.16, 1.82

VPN status:             connected to www.avtware.com (80.113.202.50)
Last connection change: 18-Oct-2018 06:27:40
Certificate status:     warning: default certificate

vtserver version:       3.2.0-48 build 11853 (kernel 4.14.48-0.1-vtserver #2)
vtAlpha version:        VTAlpha 3.2.0 12-Aug-2018 11:32 (4031)
vtVAX version:          Emulator Control 1.2.70 13-Mar-2018 17:20
                        vtVAXMVII  1.2.52(1)
                        vtVAX3900  1.2.53(1)
                        vtVAX4090  1.2.19(1)
                        vtVAX4100  1.2.65(1)
                        vtVAX4200  1.2.56(1)
                        vtVAX7000  1.3.23(1)


System vendor:          QEMU
Product:                Standard PC (i440FX + PIIX, 1996)
Memory size:            14336 MB
Cpu type:               Intel(R) Xeon(R) CPU E5-2699 v3 @ 2.30GHz
Cache size:             16384 KB
Number of CPU sockets:  1
Number of CPU cores:    2
Number of logical CPUs: 4
Hyperthreading enabled: yes
Clock speed:            2295MHz
NUMA node(s):           1
NUMA node0 CPU(s):      0-3

Network devices:

eth0: Intel Corporation 82540EM Gigabit Ethernet Controller (rev 03)
  Mac:                  02:00:17:02:a5:ba
  Link state:           up
  Speed:                1000
  Duplex:               full
  Auto negotiate:       on
```

avtware.com

avtware.com/vlog

@avtware

info@avtware.com