



AVT

Advanced Virtualization Technologies



Advanced Virtualization Technologies

OpenVMS in Oracle Cloud

Arie de Groot
AVTware

avtware.com

Cloud Considerations

OpenVMS

- Hardware
- In-house
- Always on
- DECnet/Cluster traffic



Cloud

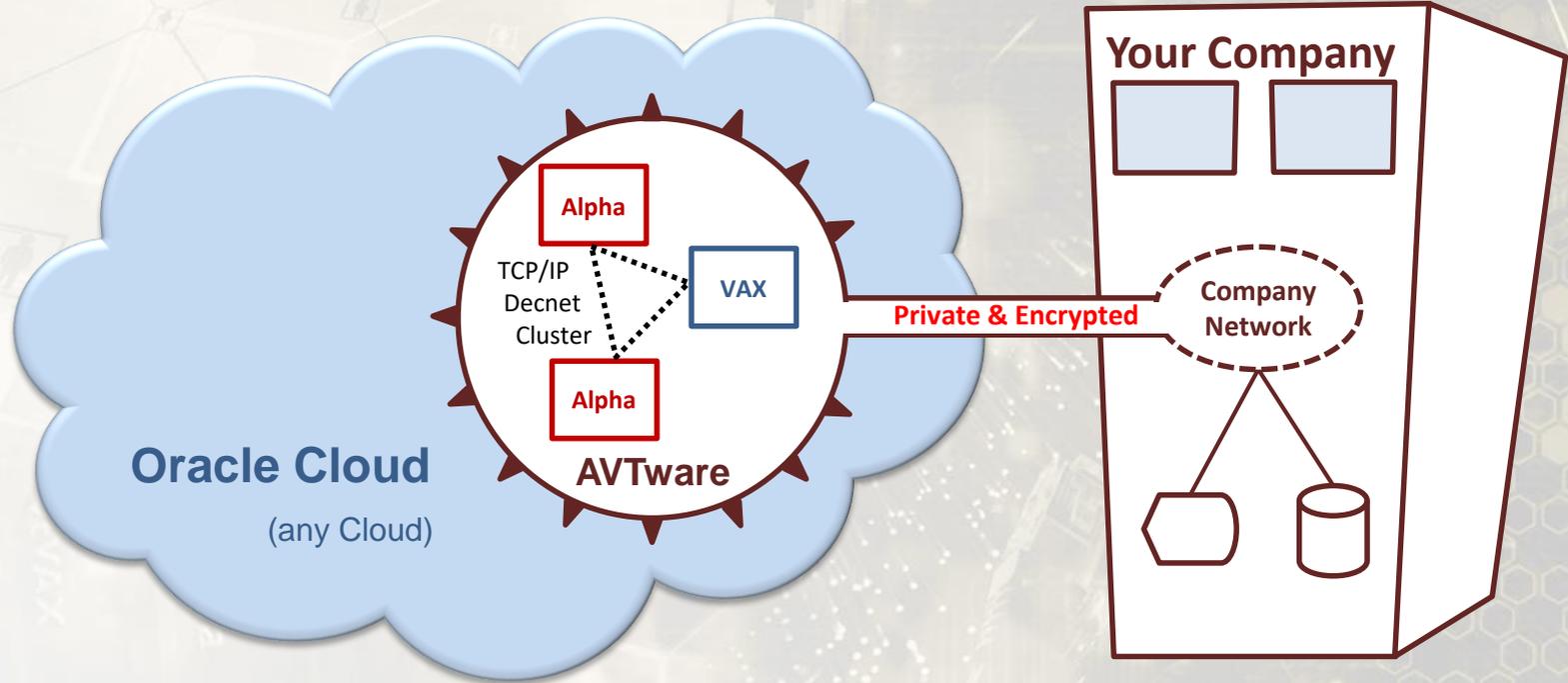
- SAAS / PAAS / IAAS
- Somewhere
- Resource sharing
- TCP/IP



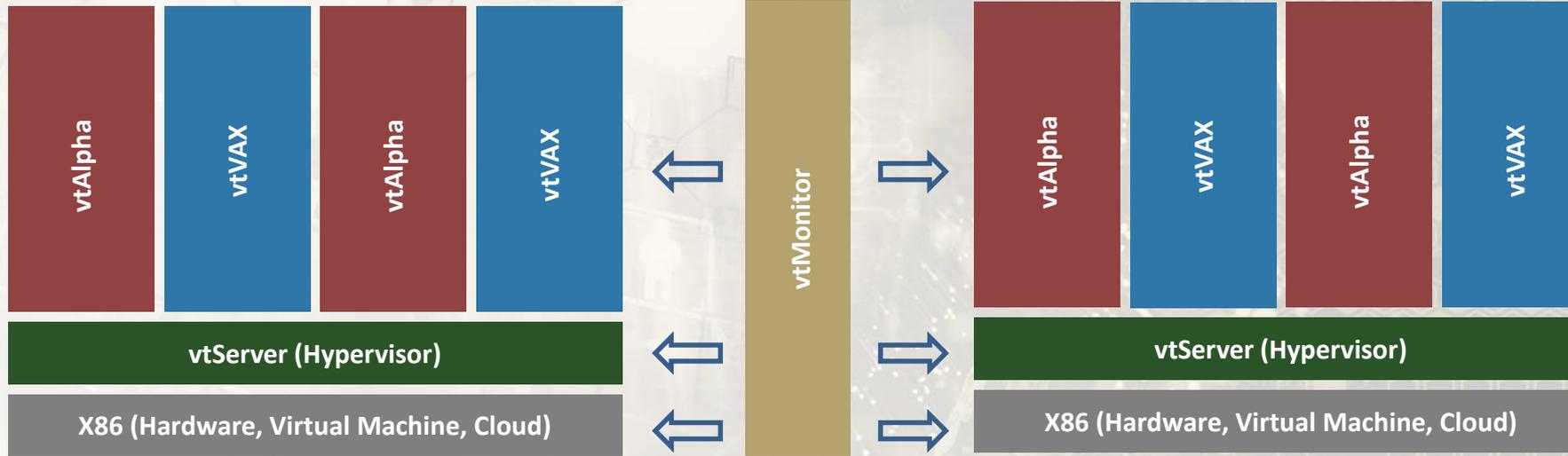
AVTware Cloud Requirements

- CPUs
- Memory
- Storage
 - IAAS
- 🛡 Protected Environment
- 🛡 Cloud Ready Image

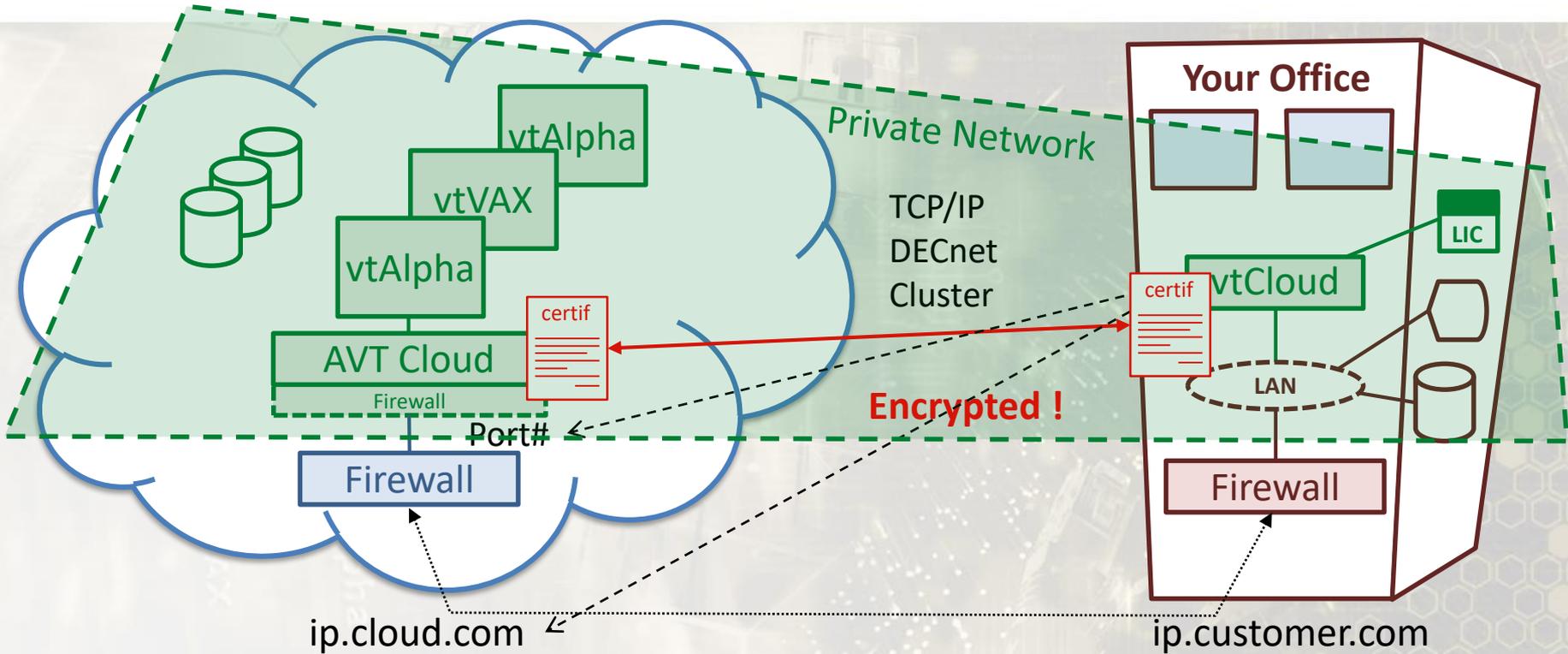
AVTware Cloud Solution



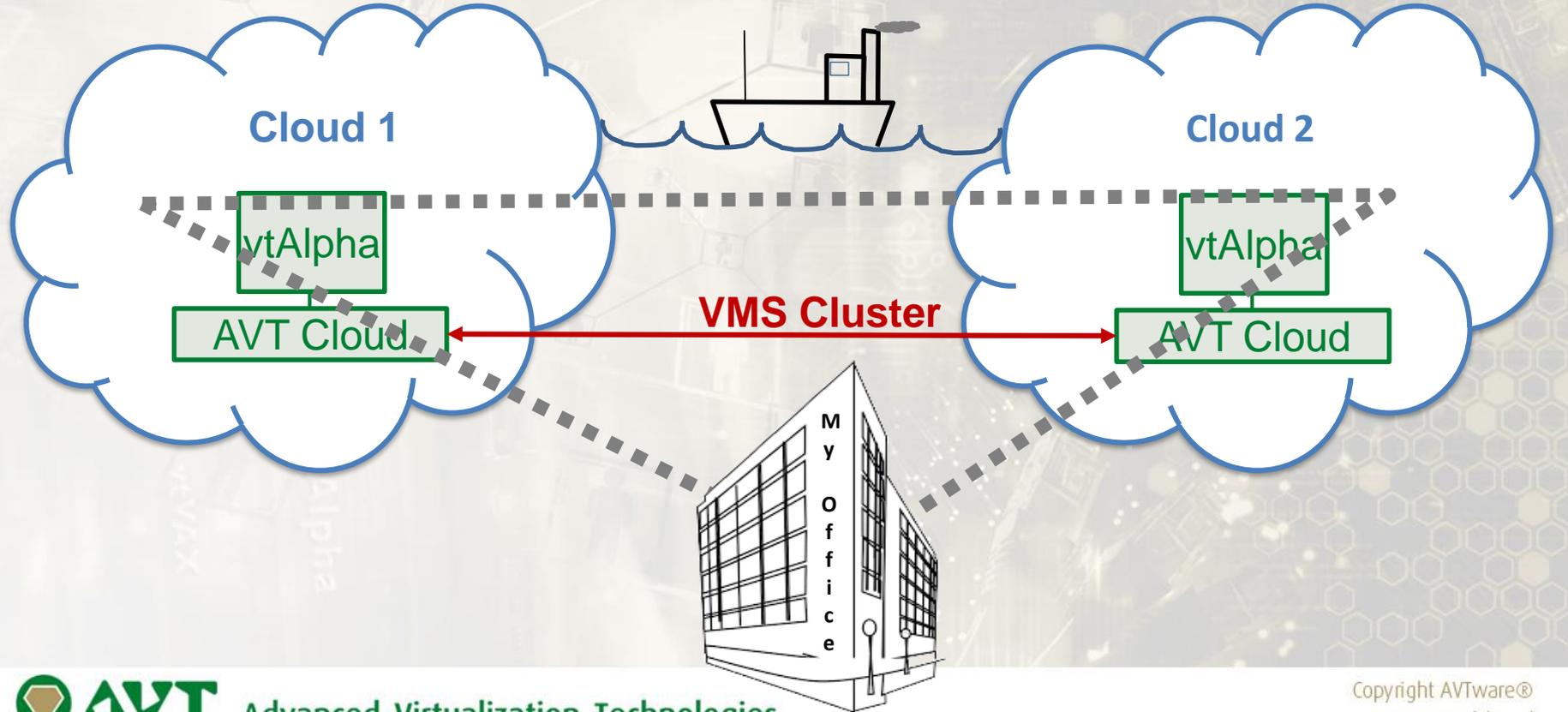
AVTware Structure



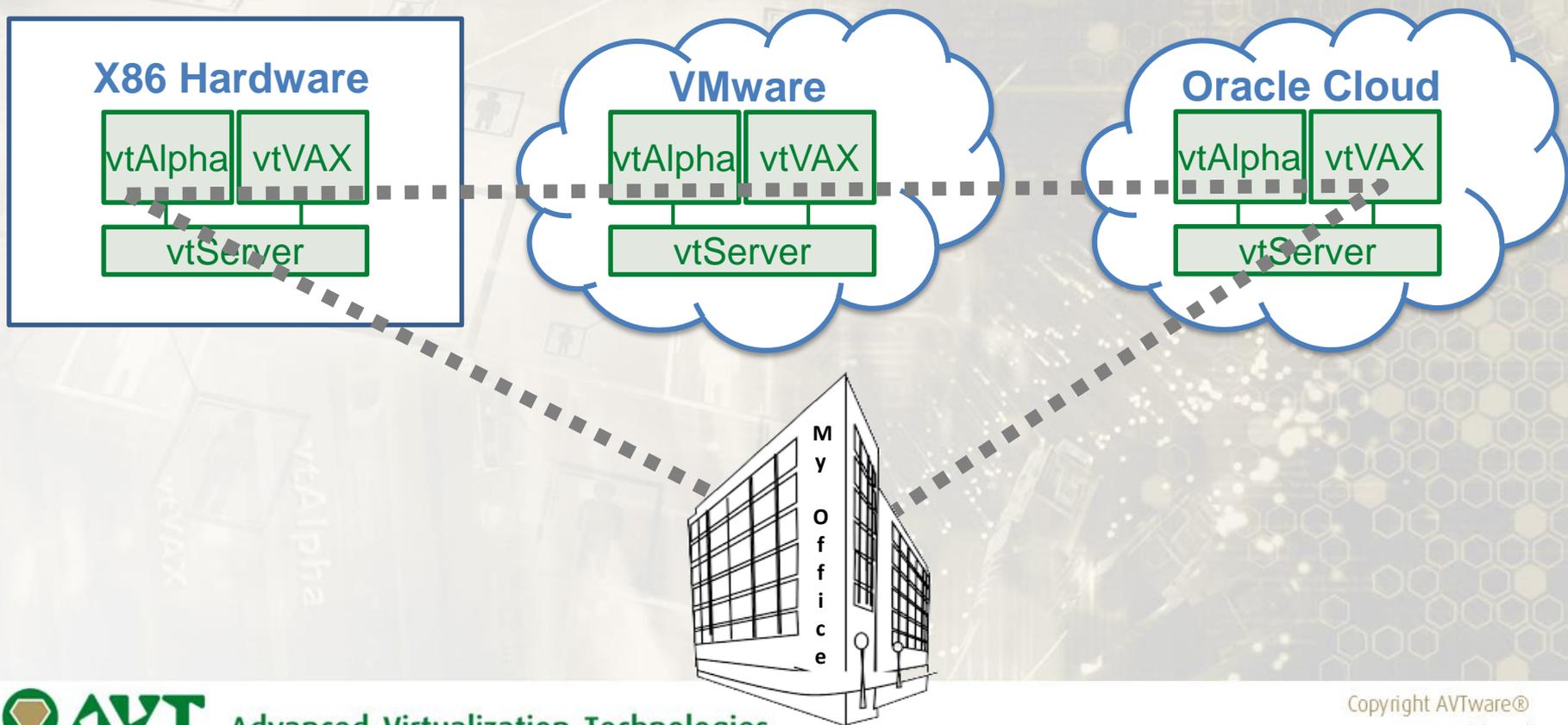
AVTware Cloud



AVT Cloud Multi-Site Cluster



AVTware Hybrid Cluster



OpenVMS in Oracle Cloud

- Migrate Alpha and VAX systems to Cloud
- VMS provisioning in Oracle Cloud
- Easy to install
- Upload and configure
- Secure and cost-effective
- AVT and Oracle cooperation

Install, Allocate Oracle Cloud

Dashboard

Services

Compute

Object Storage

Create Bucket [help](#) [cancel](#)

Specify the storage tier for this bucket. Storage tier for a bucket can only be specified during creation.

BUCKET NAME

vtCloud

STORAGE TIER

STANDARD

ARCHIVE

TAGS

Tagging is a metadata system that allows you to organize and track resources within your tenancy. Tags are composed of keys and values that can be attached to resources.

[Learn more about tagging](#)

TAG NAMESPACE TAG KEY VALUE

None (apply a free-form tag)

+ Additional Tag

Create Bucket

Install, Upload AVTcloud Image

Objects

Upload Objects

Restore

Delete

<input type="checkbox"/>	Name	Size	Status
<input type="checkbox"/>	vtCloud-Oracle.vmdk	1.38 GiB	Available
<input type="checkbox"/>	vtCloudOracle_old.vmdk	1.34 GiB	Available

0 Selected

Create Pre-Authenticated Request

[help](#) [cancel](#)

NAME

par-object-vtCloud-Oracle.vmdk-20190325-0856

PRE-AUTHENTICATED REQUEST TARGET

BUCKET

You can only use the pre-authenticated request URL to create objects in this bucket. You cannot read from or list the objects in the bucket.

OBJECT

OBJECT NAME

vtCloud-Oracle.vmdk

ACCESS TYPE

PERMIT READ ON THE OBJECT

PERMIT WRITES TO THE OBJECT

PERMIT READS ON AND WRITES TO THE OBJECT

EXPIRATION

Apr 1, 2019 07:56 UTC



Create Pre-Authenticated Request

Cancel

Install, Configure

Choose instance shape

Machine settings for this instance.

VM.Standard2.1
1 Core OCPU, 15 GB Memory

Change Shape

Configure boot volume

Default boot volume size: 46.6 GB

Custom boot volume size (in GB)

Choose a key from Key Management to encrypt this volume

Select another shape.
Only available shapes can be selected

- Set # CPUs
- Memory Size
- Storage Size
- Create

Install, Cloud Activation

Compute » Instances » Instance Details



RUNNING

Arie

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

Instance Information **Tags**

Instance Information

Availability Domain: SraN:US-ASHBURN-AD-3

Fault Domain: FAULT-DOMAIN-1

Region: iad

Shape: VM.Standard2.2

Virtual Cloud Network: [ven20190409132042](#)

Maintenance Reboot: -

Image: [vtCloud-756](#)

OCID: ...c4dyva [Show](#) [Copy](#)

Launched: Thu, 25 Apr 2019 11:05:55 GMT

Compartment: hpc_limited_availability_d (root)/vmstesting

Launch Mode: EMULATED

Primary VNIC Information

Private IP Address: 10.0.2.13

Public IP Address: [129.213.87.120](#)

Internal FQDN: Unavailable

Subnet: [Public Subnet SraN:US-ASHBURN-AD-3](#)

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

Install, Setup License Server

Host	Cloud	Network	Users	License	Logging	User: zeus	v4.0.1-50 build 757			
Status	ID	Status	ID	IP address	Port	Keys	Up since	vtServer IP	Hostname	Description
CONNECTED	vpn_12	CONNECTED	vpn_10	132.145.43.141	1194		15-Apr-2019 13:59:04	192.168.5.182	Cloud-5.avtware.com	Cloud-5
CONNECTED	vpn_8	CONNECTED	vpn_11	129.213.83.226	1194		23-Apr-2019 21:45:52	192.168.5.178	Cloud-3.avtware.com	Cloud-3
CONNECTED	vpn_6	CONNECTED	vpn_12	129.213.87.120	1194		25-Apr-2019 15:41:15	192.168.5.160	vtCloud.avt	Arie
CONNECTED	vpn_11	CONNECTED	vpn_6	129.213.26.134	1194		15-Apr-2019 10:44:18	192.168.5.147	Cloud-2.avtware.com	Cloud-2
CONNECTED	vpn_9	CONNECTED	vpn_8	129.213.18.129	1194		15-Apr-2019 10:04:27	192.168.5.194	Cloud-1.avtware.com	Cloud-1
CONNECTED	vpn_10	CONNECTED	vpn_9	132.145.37.111	1194		15-Apr-2019 13:59:33	192.168.5.126	Cloud-4.avtware.com	Cloud-4

Server address:

Port:

Description:

Install Completed – Start Using



**< 10 min
+ upload time**

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avtware.com/vlog

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info@avtware.com