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AN INNOVATIVE HIGH-TECH
COMPANY IN THE ICT INDUSTRY

# CLOUD ENCRYPTION: BEHIND THE SCENES

- Brennercom Cloud Service Provider
- Our use of Encryption in the Cloud
- Dos & Don’ts in the approach of cloud computing

Pietro Giovannini
*- Cloud Security Specialist -*

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# BRENNERCOM

BRENNERCOM PLAYS A BRIDGING ROLE
BETWEEN NORTHERN ITALY AND THE GERMAN-SPEAKING WORLD

FOUNDED IN **1998**

**200** EMPLOYEES

REVENUE 2015: **42 MILLION EUROS**

**7 BRANCHES** IN **ITALY**, 1 IN **AUSTRIA**,
1 IN **GERMANY**

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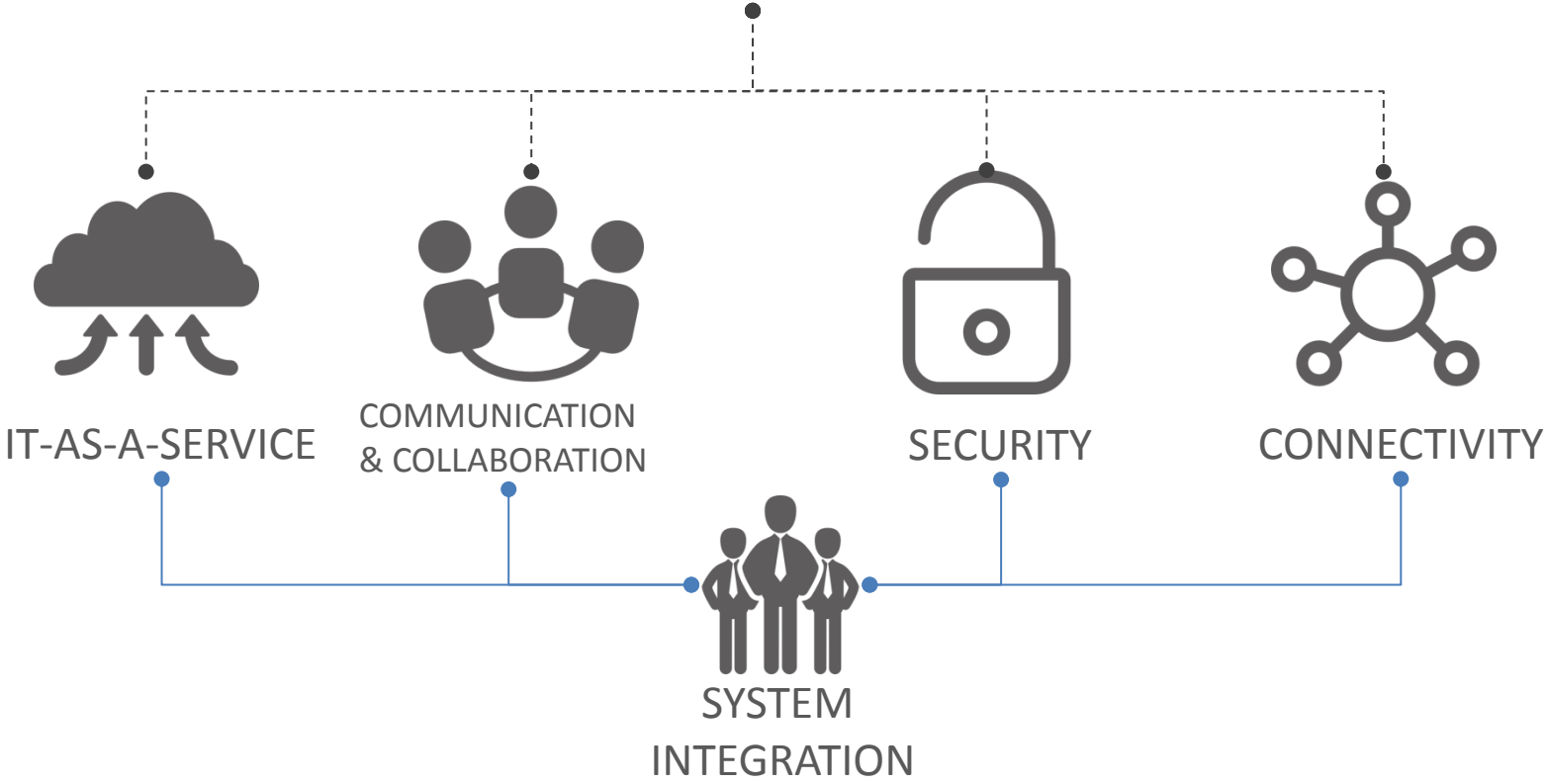
# BRENNERCOM

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# Our Certifications

**Information security management systems**
since 2003

**Highest ratings in security management of the infrastructures in data centres**
since 2013

**100% energy from renewable sources**
since 2012

**Quality management system**
since 2002

**Best possible bank rating**
since 2011

**Certified Cisco partner**
Since 2013

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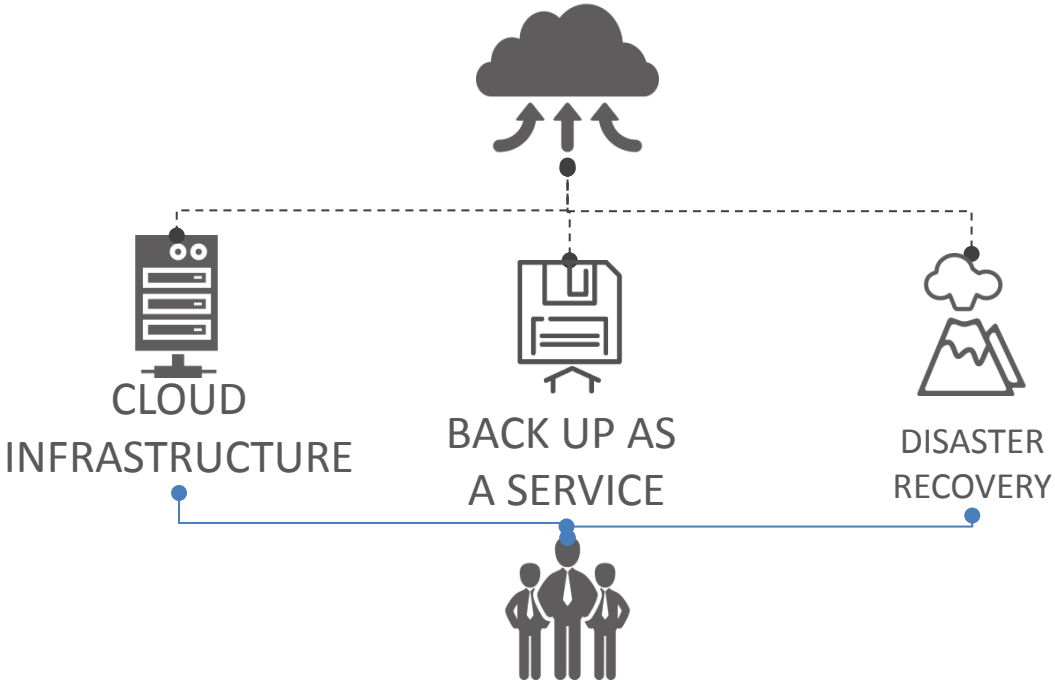
# OUR CLOUD

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# OUR APPROACH TO CLOUD ENCRIPTION

## DATA IN TRANSIT

CUSTOMER

BRENNERCOM CLOUD

- Transport Layer Security **TLS**

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# OUR APPROACH TO CLOUD ENCRIPTION

## DATA AT REST

- Except from archived Data, confidentiality & segregation of data is granted from the multi-tenant architecture

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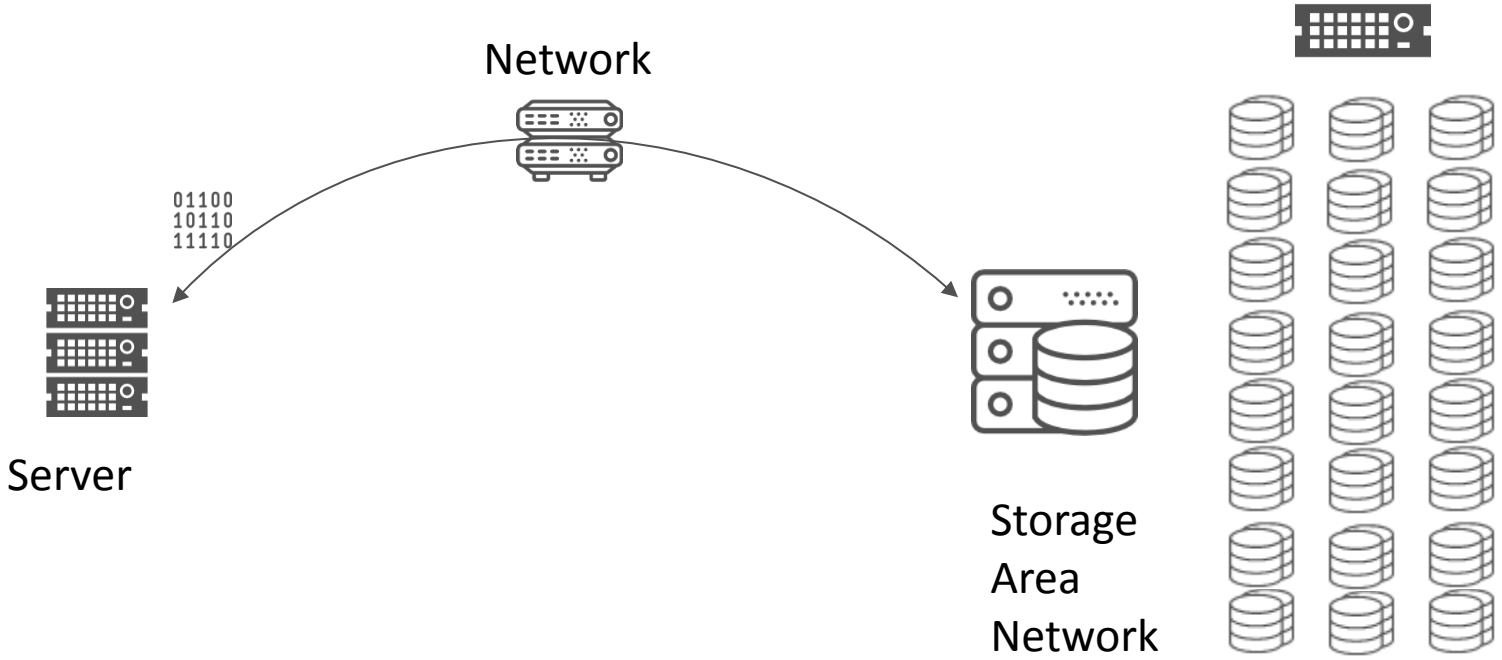
# How a Cloud Infrastructure works

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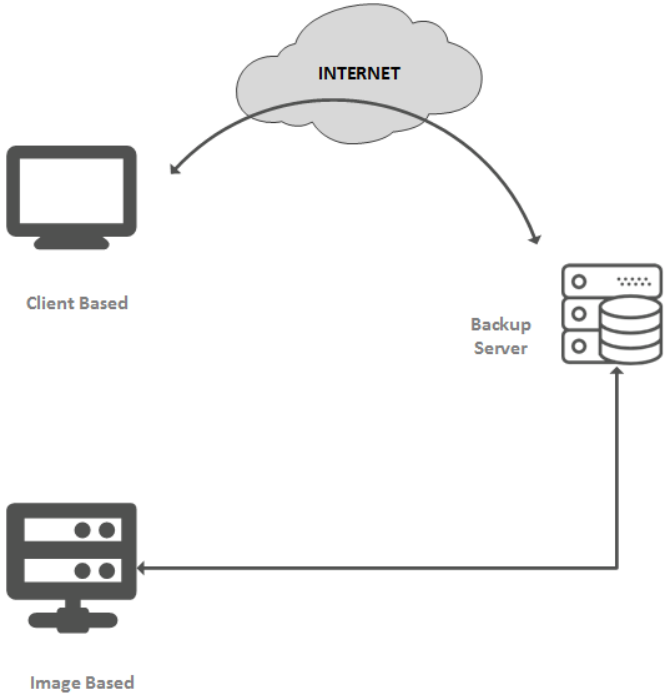
# How a Cloud Backup works



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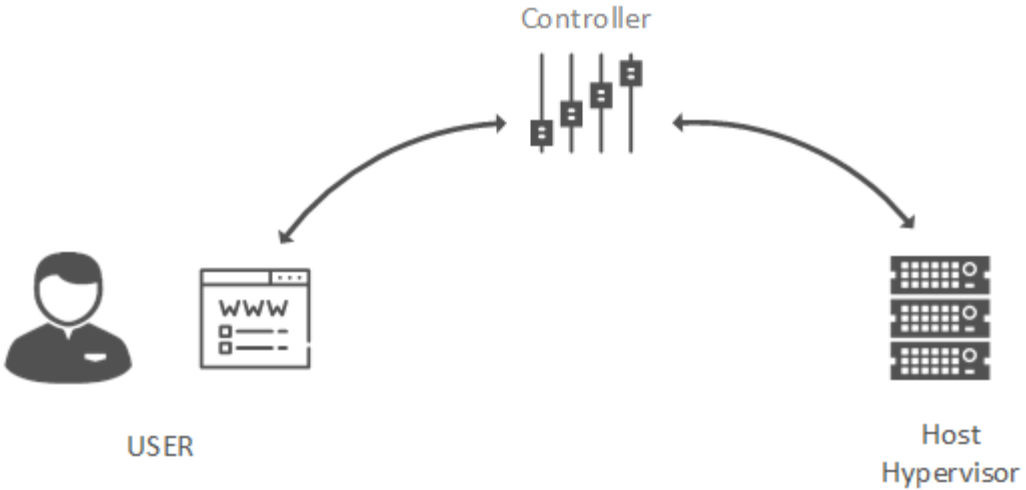
# How a Cloud Managment works

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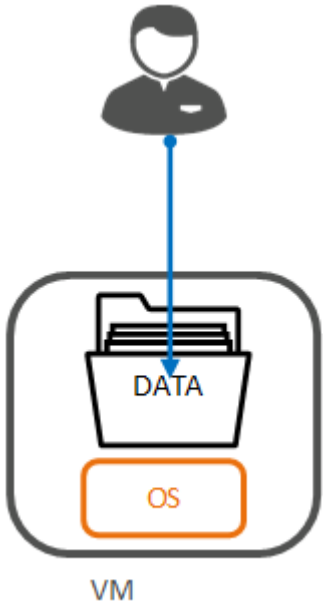
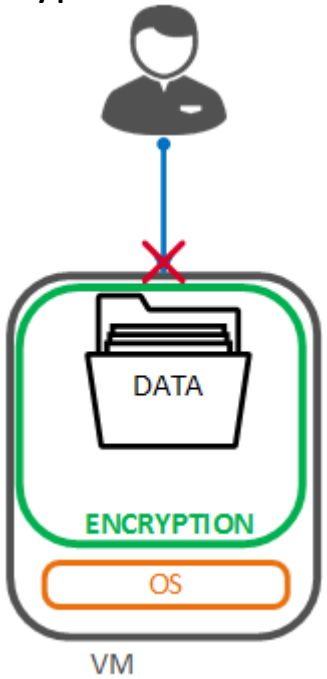
# DOs & DON'Ts

Hypervisor Admin




Hypervisor Admin

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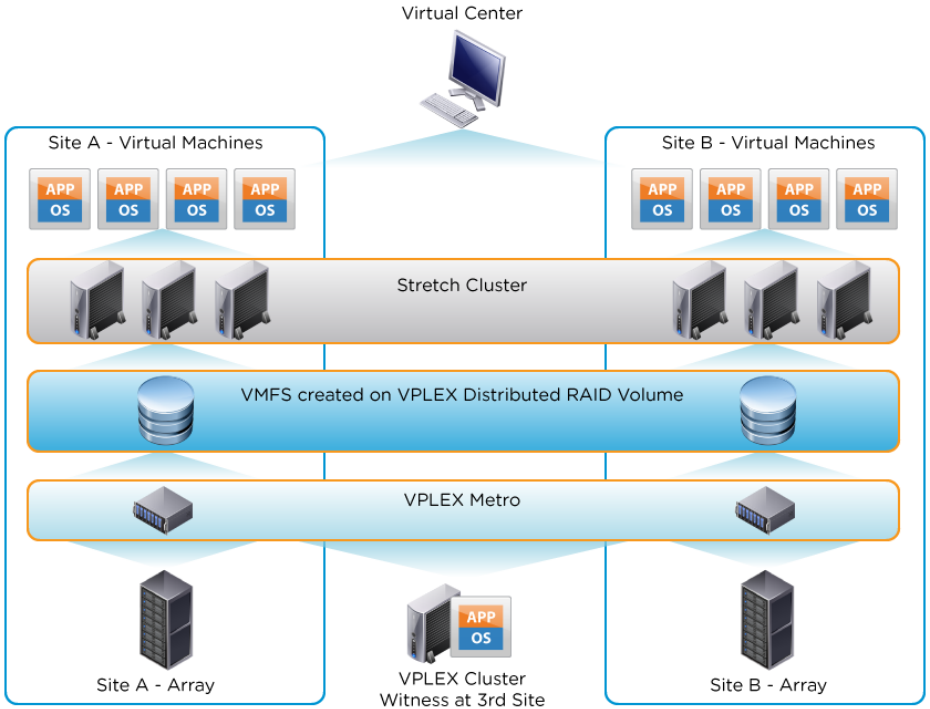
# TIPS FOR THE STUDENTS




TRENTO

BOLZANO

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| DO | DON'T |
| --- | --- |
| Encrypt your VM | Delegate the protection of your Data |
| Encrypt your Sensitive Data | Fully trust your ISP ; ) |
| Plan carefully the CIA of your Data | Under estimate Murphy |
| Evaluate the ‘‘Shadow IT’’ security | Over Encrypt |
| | |

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Thank you

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