

# White Hacker Cloud Security Fundamentals

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[Date] - Day 1

[Trainer]





Welcome

# Today's agenda



- Who are we ?
- BeCode & our active pedagogy
- Your White Hacker program
- Share your expectations & needs
- Is everything ready ?
- **+/- 10h30 Break (20 minutes)**
- Cloud ? What's that ?
- Identity & Access Management I - debrief
- **+/- 12h20 Lunch time (1 hour)**
- Identity & Access Management II - debrief
- What will happen in the next session



# What are we going to learn today ?

- i. Create an organization
- ii. Explain what a cloud identity is
- iii. Explain what an external user is
- iv. Create users
- v. Create groups
- vi. Create dynamic groups
- vii. Create external users
- viii. Restore a deleted user

# Who are we ?



# Which superhero? ?



I am...



[Name trainer/participant]

be  
⟨ / ⟩



# BeCode introduction

# Individuals

Since 2017.

- Training
- Reskilling
- Upskilling



# Who we are.

BeCode is a **non-profit** organization

With the aim of bridging the **digital divide** in Belgium

By offering a **new way** of learning to **any** motivated individual.

# Why we exist.

**584,000**

Unfilled vacancies in Belgium in **2030**.

**5,6%**

Unemployment rate for 15-67 year-olds in **2019**.

Our mission is to **bridge** this gap.

# The BeCode DNA.



Forward-looking  
fields



Free for those who need it



Open to all



Pioneering learning  
methodology



A mix of tech- & soft-skills

# 1500+

Students trained at BeCode  
(2017-2021)

# BeCode Speed.

■ 2017

Launch of the first two classes in Brussels.

■ 2018

Opening campuses in Charleroi, Liège, Genk, & Antwerp.

■ 2019

Launch of the first AI school in Belgium, in Brussels.

■ 2020

Launch of reskilling & upskilling programmes & devsecops training.

**>50 Groups across 5 campuses.**

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# We <3 our partners.

## Public partners.



## Private partners.



J.P.Morgan



## Educational partners.





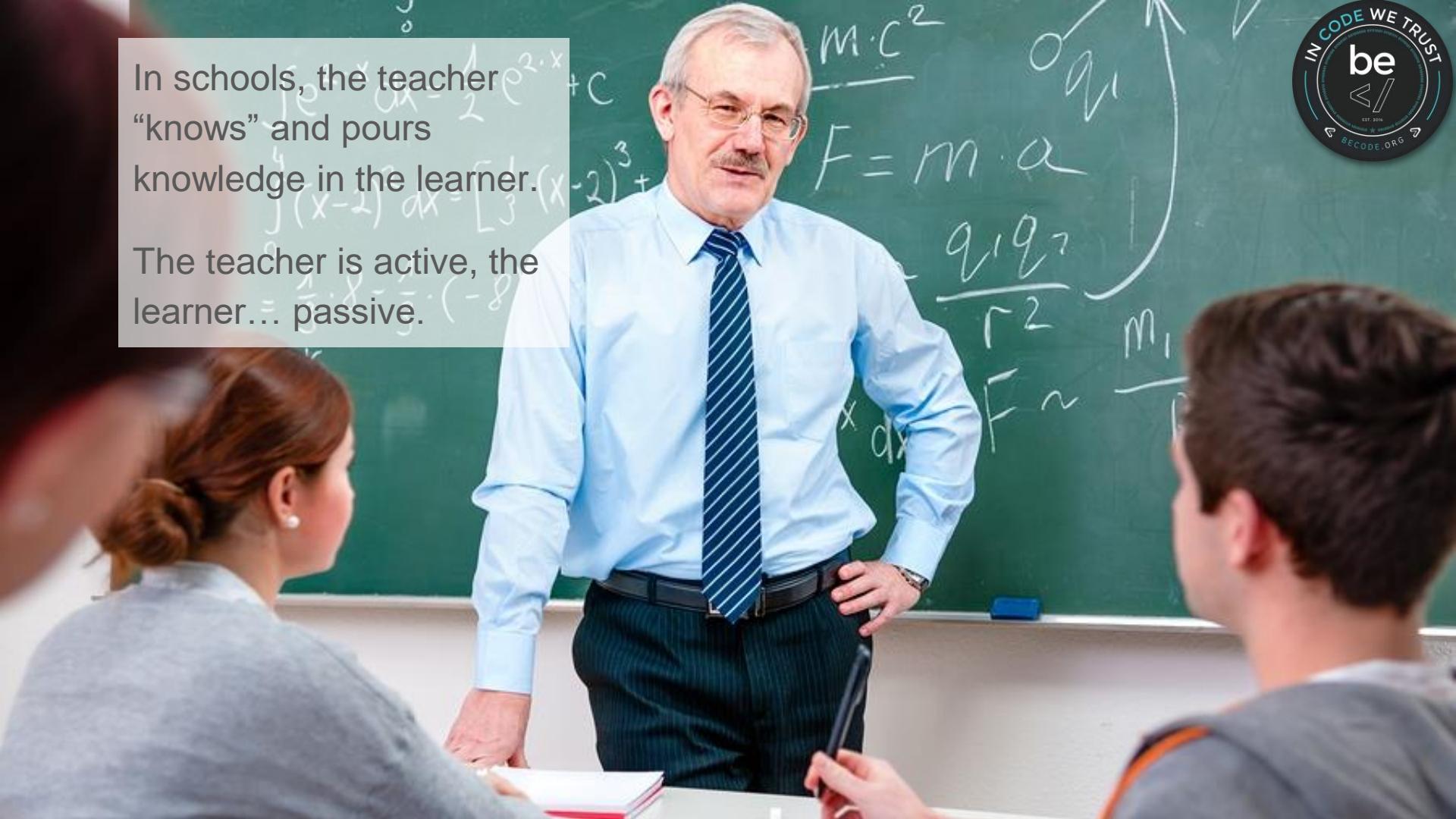
How do we learn  
at BeCode?





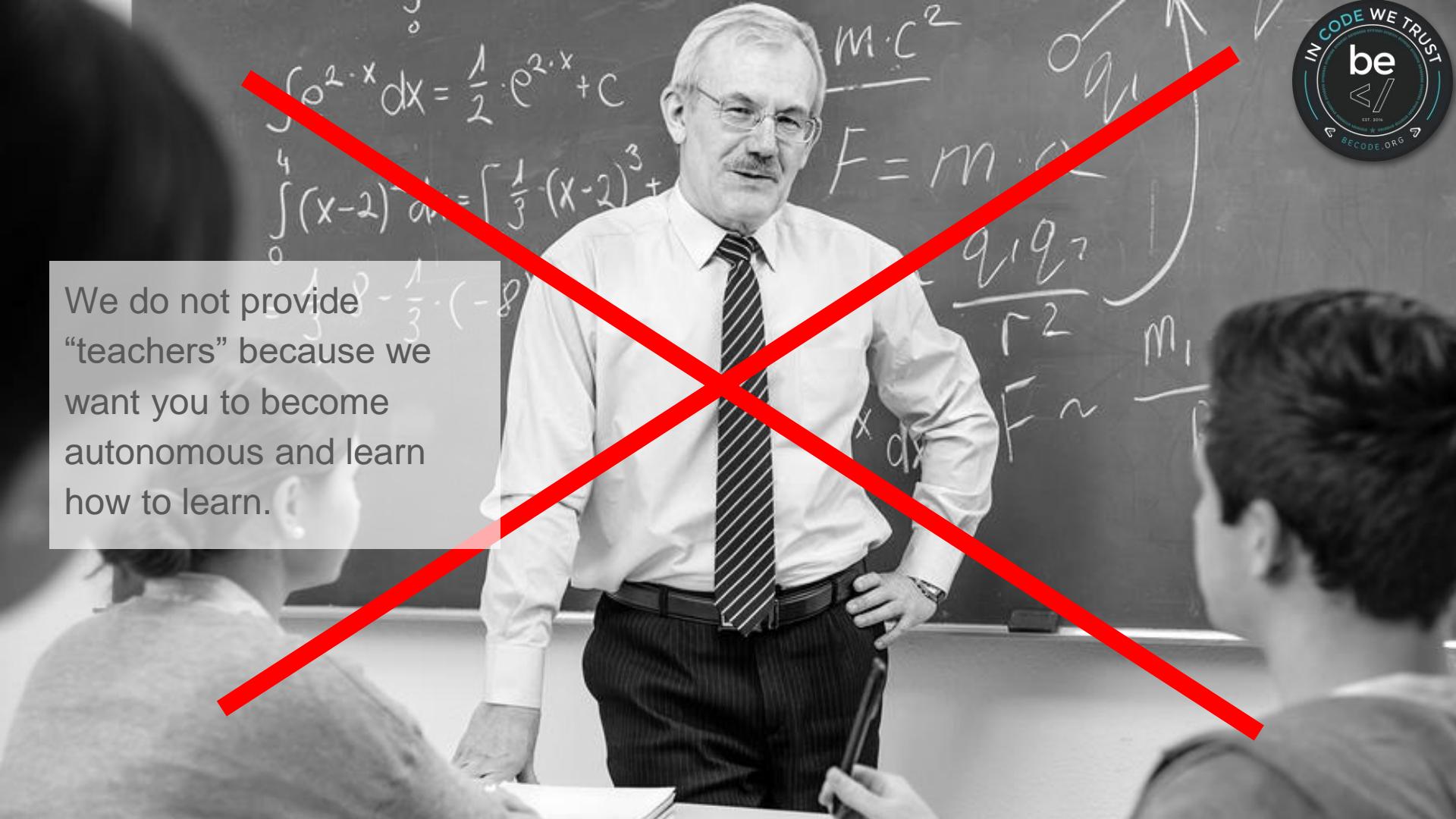
In schools, the teacher  
“knows” and pours  
knowledge in the learner.

The teacher is active, the  
learner... passive.





We do not provide  
“teachers” because we  
want you to become  
autonomous and learn  
how to learn.





We provide coaches,  
whose job is to empower  
the group into becoming a  
team focused on learning  
by helping each other.

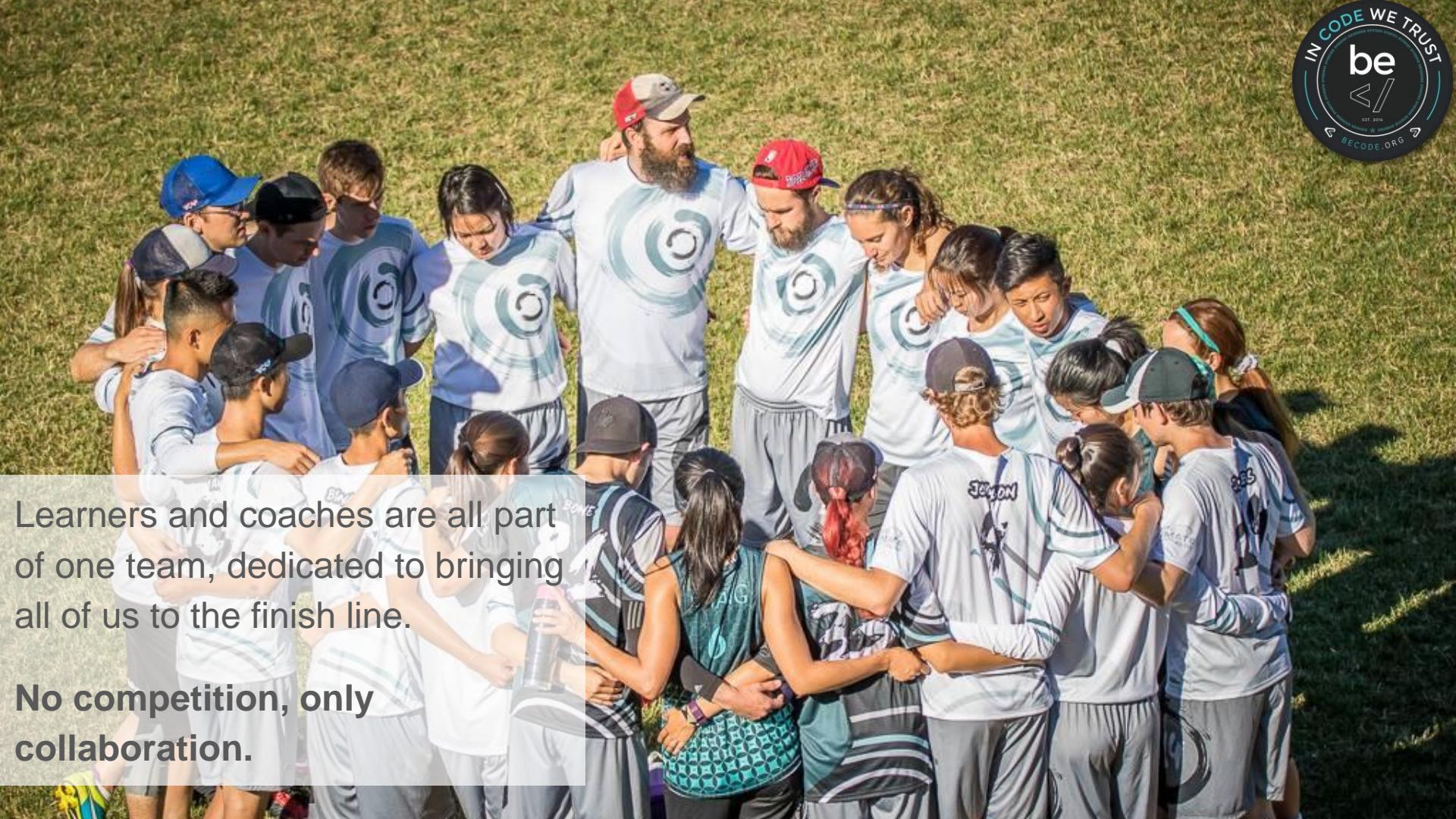


The coach gives goals,  
then observes and give  
honest feedback, in a  
mature adult-to-adult  
relationship..



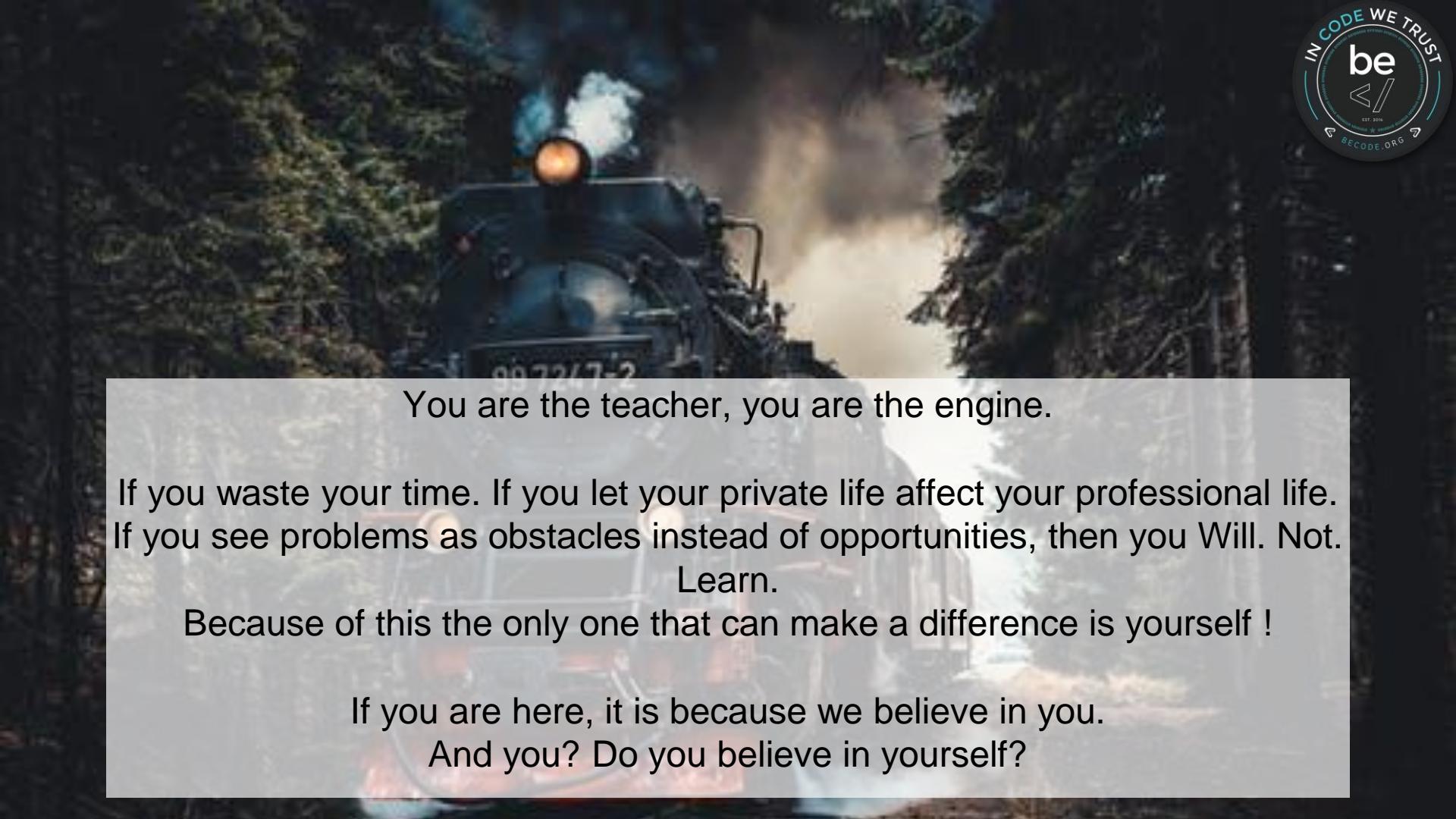
## Try. Fail. Learn.

The learner does all the efforts and takes all the risks. Embracing failure, as there is no learning without failure. Coach loves learners who try hard. There are no failure, only attempts.



Learners and coaches are all part of one team, dedicated to bringing all of us to the finish line.

No competition, only collaboration.

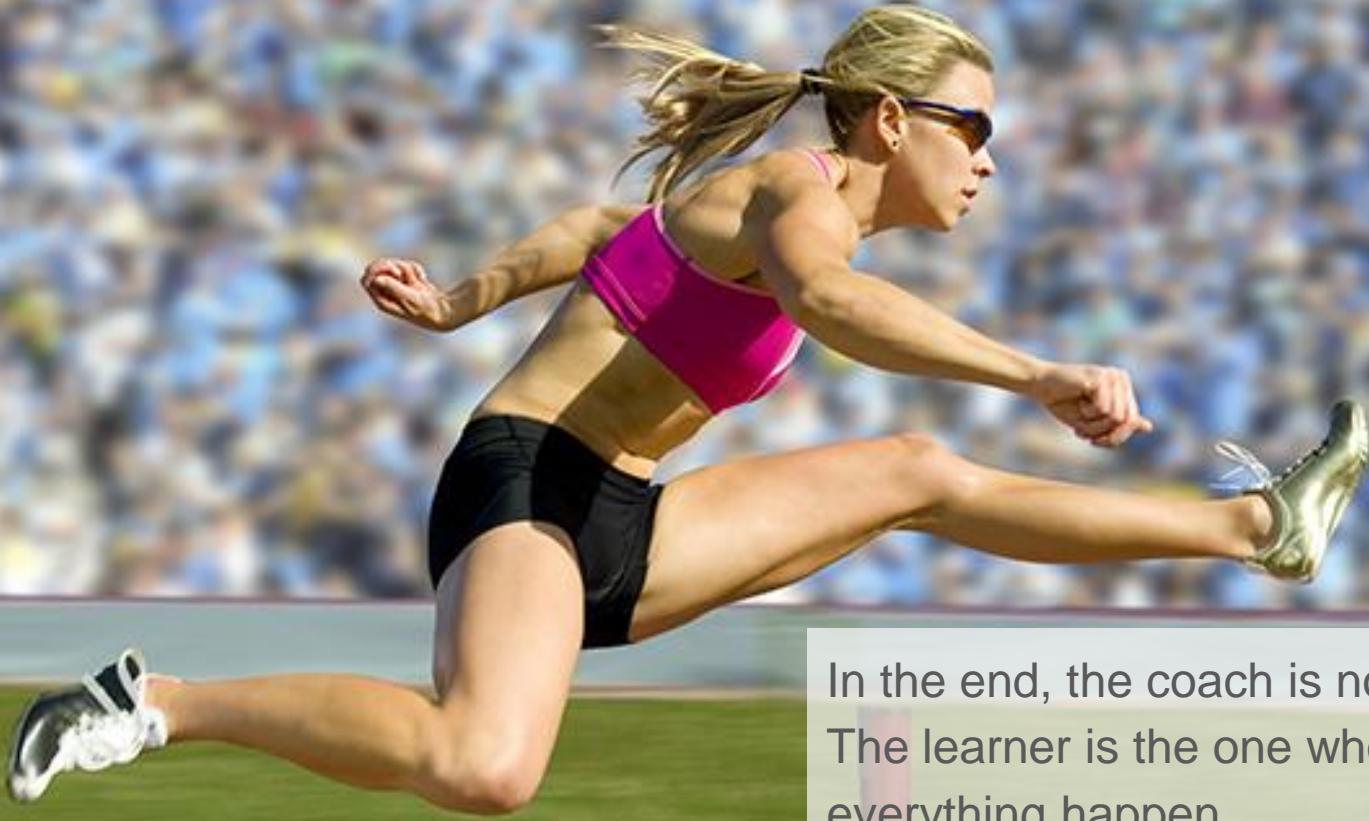


You are the teacher, you are the engine.

If you waste your time. If you let your private life affect your professional life.  
If you see problems as obstacles instead of opportunities, then you Will. Not.  
Learn.

Because of this the only one that can make a difference is yourself !

If you are here, it is because we believe in you.  
And you? Do you believe in yourself?



In the end, the coach is not important.  
The learner is the one who makes  
everything happen.

BeCode provides the environment,  
you provide the sweat.



Finished soon?  
Great, you can help the others!

Struggling?  
Don't worry, do ask for help.

# Cloud Security Fundamentals: 5 modules / 20 days

IDENTITY  
&  
ACCESS

LOGGING  
&  
MONITORING

SECURITY  
OPERATIONS

SECURE DATA  
&  
APPS

INCIDENT  
RESPONSE

[time]

[time]

[time]

[time]

[time]

*Link between Cloud Security & AI*

*Cloud demystification*

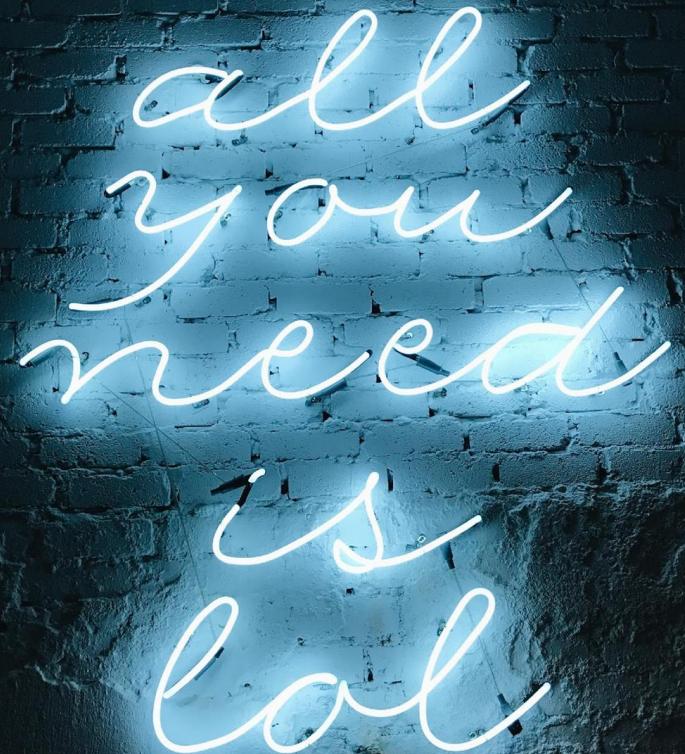
**Pass Cloud certification**

CLOUD SECURITY KNOWLEDGE

Master Cloud Security

Trained on cloud

...



"Be on time, every time"

"I organise my life around BeCode and not the other way around"

"I'm willing to get out of my comfort zone and adapt to new situations"

"I report and share vocabulary words not understood & the sources used

"I always turn on my camera"

"I mute my mic when I'm not talking"



Azure  
GitHub  
Slack



*Adventure*  
THE  
**BEGINS**



# History & evolution of Cloud Computing

<https://www.youtube.com/watch?v=Bkx8Egjm2mw>

# History & evolution of Cloud Computing





# be </> Let's start with module 1



IDENTITY  
&  
ACCESS

LOGGING  
&  
MONITORING

SECURITY  
OPERATIONS

SECURE DATA  
&  
APPS

INCIDENT  
RESPONSE

In this module

- we will see everything linked to user and group management.
- we will start with the basics and dive deep into security policies allowing to protect our employees against external threats, and themselves.



**Briefing time**

# Your challenge

## *Organization*

- **Duration:** 2 hours
- **Team Challenge:** solo
- **At the end of this challenge you should be able to:**
  - i. Create an organization

*Report and share  
vocabulary words not understood & the sources used*



# Your challenge

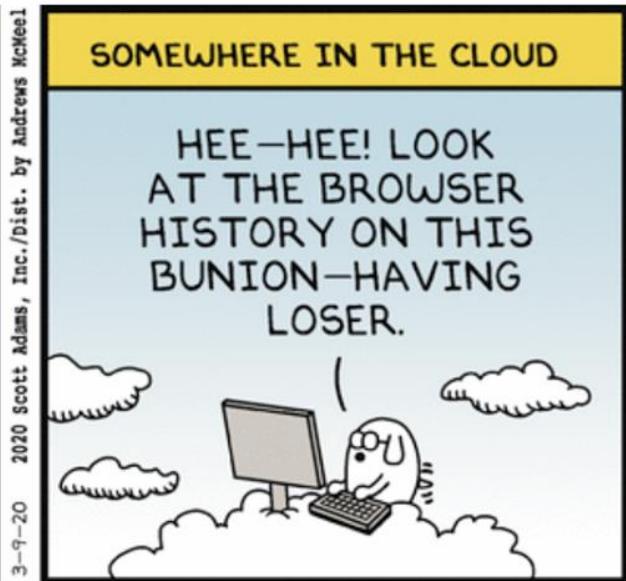
*Organization*







# be </> The Dilbert of the day





**Briefing time**

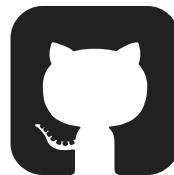
# Your challenge

## *Users creation*

- **Duration:** 6 hours
- **Team Challenge:** solo
- **At the end of this challenge you should be able to**
  - i. Explain what a cloud identity is
  - ii. Explain what an external user is
  - iii. Create users
  - iv. Create groups
  - v. Create dynamic groups
  - vi. Create external users
  - vii. Restore a deleted user (Azure only)

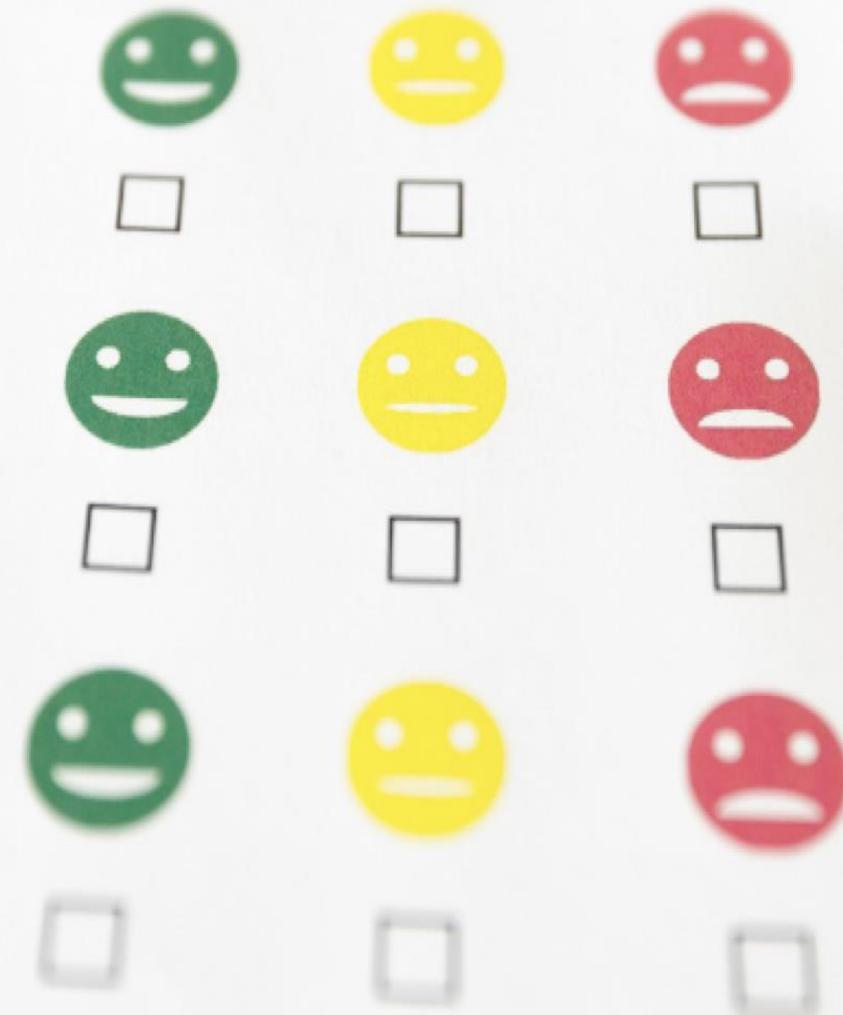
# Your challenge

*Users creation*





# Debrief of our day



# The agenda of our next session

- Some questions about our previous session ?
  - Identity & Access Management II
  - **+/- 10h30 Break (20 minutes)**
  - Identity & Access Management II - debrief
  - **+/- 12h20 Lunch time (1 hour)**
  - Identity & Access Management III - debrief
  - What will happen in the next session

# What are we going to learn in the next session ?

- I. Explain what a cloud identity is
- II. Explain what an external user is
- III. Create users
- IV. Create groups
- V. Create dynamic groups
- VI. Create external users
- VII. Restore a deleted user
- VIII. Enable MFA
- IX. Enable password less authentication
- X. Setup and report password policies
- XI. Setup password reset self-service
- XII. Setup conditional access

**CLOSED  
FOR TODAY**

*See you  
Soon!*

**GOU**

