

DevOps Summit Europe 2021

The Synopsys & IKEA session will begin shortly:

Rise of the IKEA Cyber Jedi – Building a security community of practice



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Software Security I

Rise of the Cyber Jedis
A security community of practice



OFTAST
Serving bowl
€1



Gustav Lundsgård
Technical Capability Product Owner
Cyber Security - Software Security
IKEA – Ingka Group

DJUNGELSKOG
Soft Toy
€12



A satellite view of Earth from space, showing the Americas and surrounding oceans. The text is overlaid on the left side of the image.

**The biggest
revolution since
IKEA was founded.**

"We are creating a new IKEA in three years, bringing digital to the core of everything we do."

- IKEA Retail Direction



FEJKA
Artificial potted plant
€4

A digital transformation – DevOps

A surreal scene set on a light green, multi-level staircase. A doll with long, vibrant red hair, wearing a pink jacket and orange pants, lies on its back on a rectangular rug. The rug is divided into a dark blue/black section and a light blue section. The doll is holding a small, light blue book open and appears to be reading. To the right of the doll, on the staircase steps, are several items: a stack of colorful books, a small glass of green liquid, and a pink, spherical lamp with a visible filament bulb. A thin black cord extends from the lamp. In the bottom right corner, there is a text block providing product information.

KONGSTRUP
Rug
€80

Where should we go?

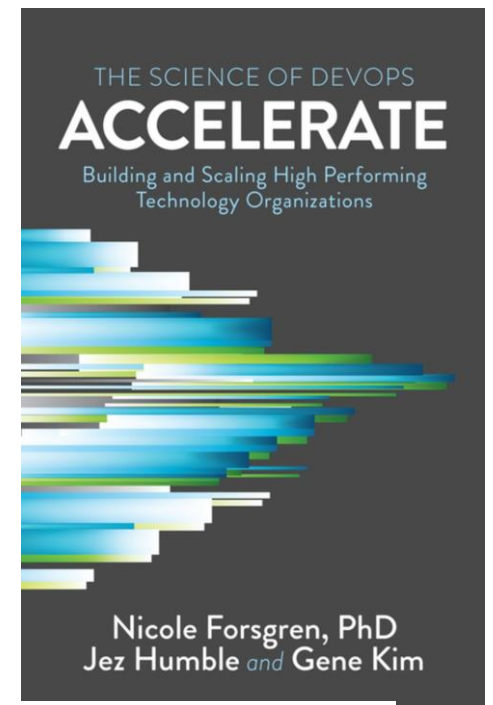


NISSEDAL
Mirror
€25

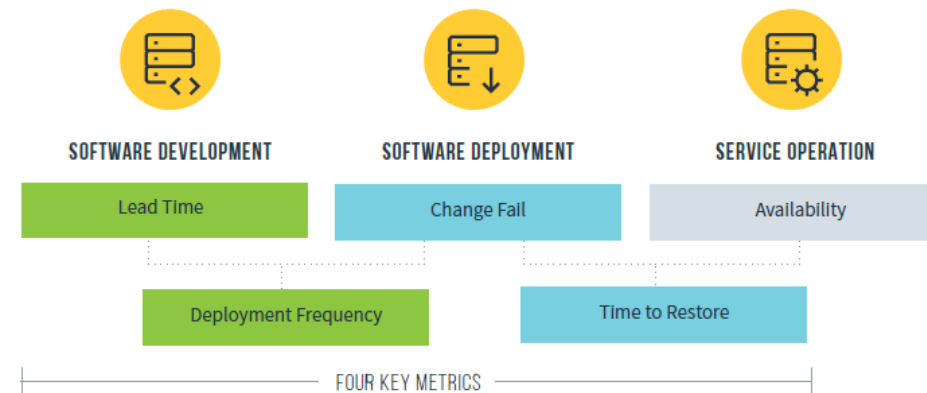
How do we measure DevOps?

"Information security should be integrated into the entire software delivery lifecycle..."

What we see is a shift... to giving the developers the means to build security in."

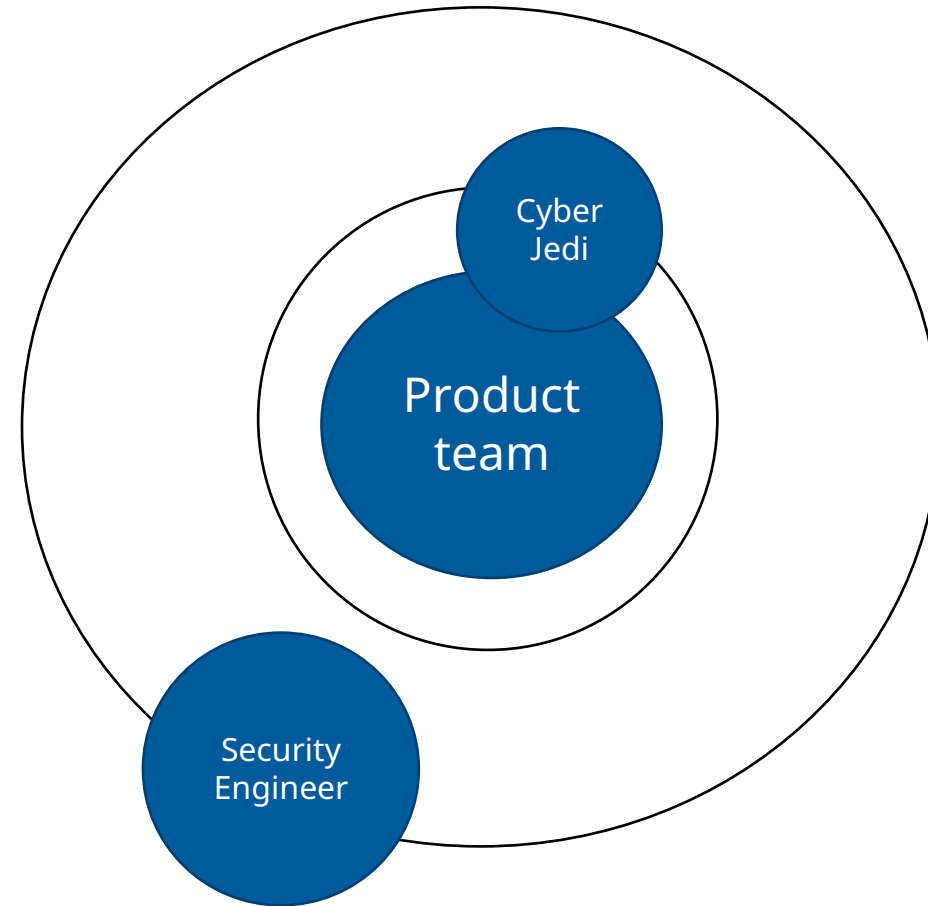


PERFORMANCE METRICS



Team-centric cybersecurity

Only the product team themselves can secure their product. Cyber Jedis and Security Engineers are there to provide training, share knowledge and continuously improve the team-centric activities and methodology





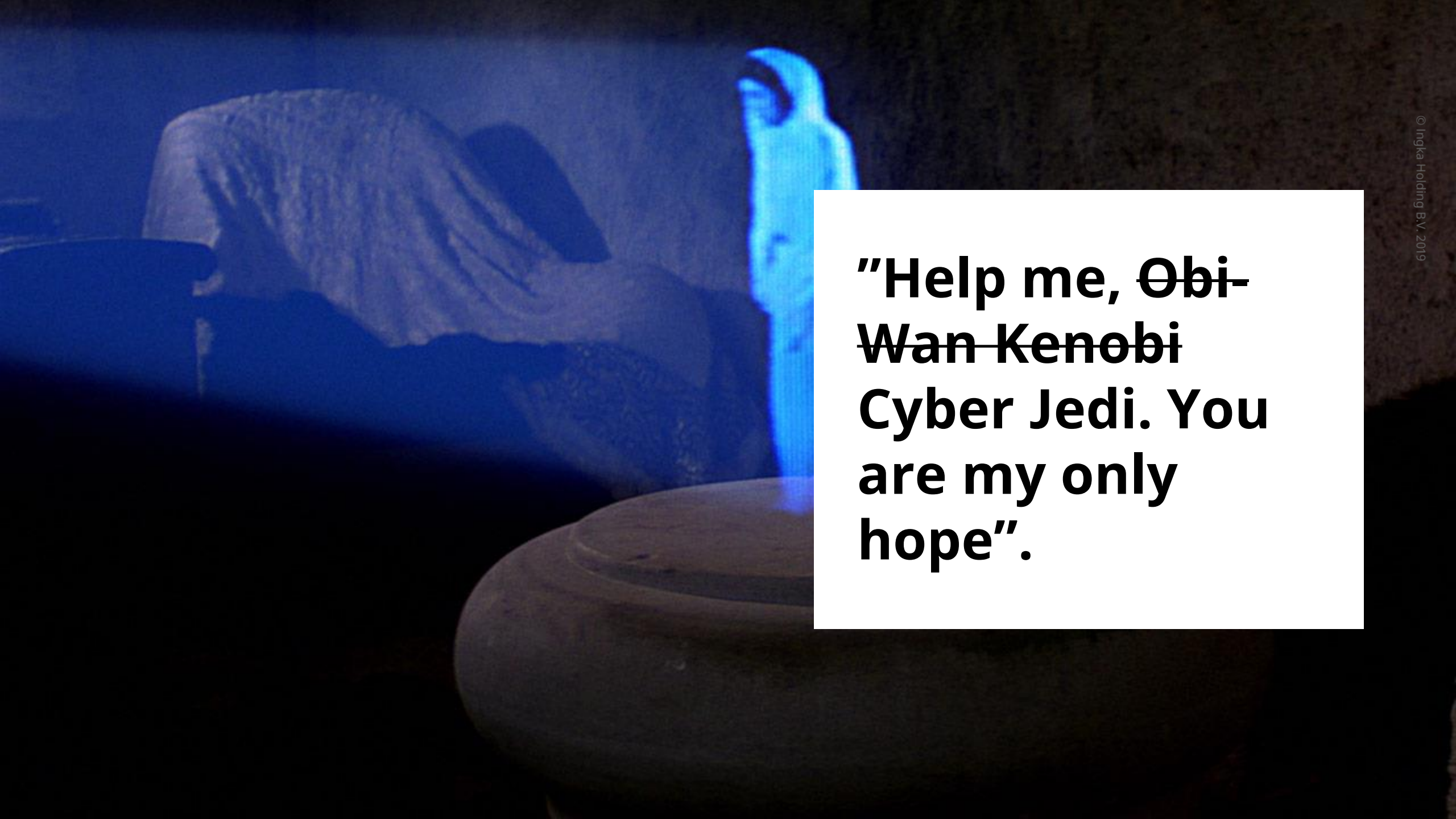
Security champions program - OBJECTIVE

To make security **scalable**

Increase **transparency** of offering

Raise **awareness**

Empower developers to address security



**"Help me, ~~Obi-
Wan Kenobi~~
Cyber Jedi. You
are my only
hope".**



What did we start with?

In March 2020 – Pilot program with 7 engineers

A few modules

- SSDLC
- Secure Coding
- Web security

Changed the program on feedback

Self-led learning

Using IKEA e-learning platform.

- Collaborating with "Learning & Development"

Enables Cyber Jedi's to do it at their own pace


Assignments to do in context of their own team.


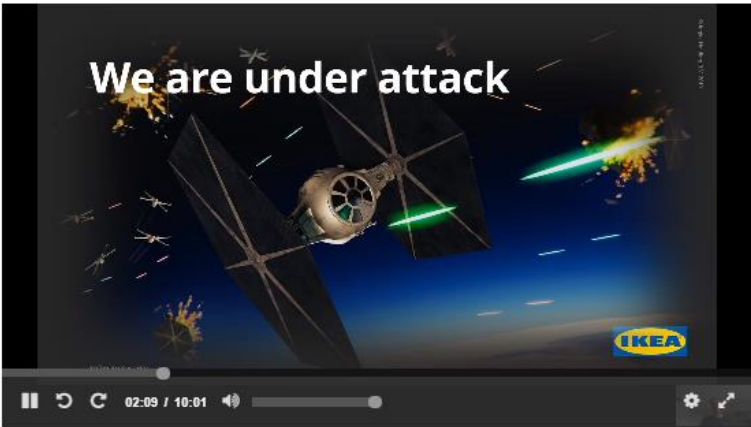
Home > Cyber Jedi Academy - Level 1

Cyber Jedi Academy - Level 1

Options ▾


The Way of the Cyber Jedi - Welcome
Completed: 0 Min. required: 3 Total courses: 3

**The Way of the Cyber Jedi - Welcome**
Status: Started Due: No Due Date [Launch](#) ▾

**Welcome to the Cyber Jedi Academy**
Status: Started Due: No Due Date Training Hours: 10 min
Welcome to the Cyber Jedi Academy In this video you will get: - An understanding of what the Cyber Jedi Academy - Why it's so important - Your...


02:09 / 10:01

[Close](#) [Mark as complete](#)


**The Way of the Cyber Jedi - Reflections Form**
Status: Registered Due: No Due Date Training Hours: 15 min
Click "Launch" to complete the form. [Launch](#) ▾

Built it with 4 different levels


- 4 different levels:
 - The Saga Begins
 - Learn some basics
 - Padawan
 - Apply learning in team
 - Knight
 - Lead your team through security activities
 - *Master*
 - *Lead and inspire other teams*



Curriculum
Cyber Jedi Academy - Level 1
★★★★☆ Started
Open curriculum



Curriculum
Cyber Jedi Academy - Level 3
Started
Open curriculum



Curriculum
Cyber Jedi Academy - Level
Started
Open curriculum

Open sessions

- Ask questions
- Get Help
- Hang out and work on Cyber Jedi stuff
- Occasional topics – e.g. 3rd party dependencies update hygiene



A man with a beard is lying down, wearing a grey t-shirt. He has a yellow circular electrode with a blue wire attached to his forehead. The background is dark blue. The text "Did we hit the target?" is overlaid in white.

Did we hit the target?

What we learnt

At the start – We were the learners of how to adopt the SSDLC at Ingka.

Time commitment is hard to get from product owners & engineering managers

Important with feedback from our Jedis – They say things we don't want to – but need to hear

Spend Cyber Jedi's time wisely – All activities must make sense and make the product better



ENEBY
Portable Bluetooth
speaker

€19



What went well

Creating a helpful community

Learning goes both way

Supporting the Jedi's. Make them feel special.

Believing in the mission – THE WHY

The teams with a Cyber Jedi is more successful in their security activities

Drawbacks

Metrics – We have no good baseline to measure from

Hard to measure the positive impact

A lot of expectations on the Jedi

High cost – Time consuming and

Having Software Engineers working in potential activities that does not reduce risk in his/hers product.





What should you do?

Tips for your own Cyber Jedi Academy

Do a MVP program

Improve on feedback

Make sure that you spend developers time wisely

All the things they do should help their product.

“Learning by doing”





Lillabo
Train rails, 50 pieces
€19.95

Cyber Jedi Academy Future

Make paths for other roles than Software & DevOps

Increase frequency of onboarding

Make the different levels clearer

Increase communications towards managers on
commitment and personal development

The goal: One jedi in each team

Thank you

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