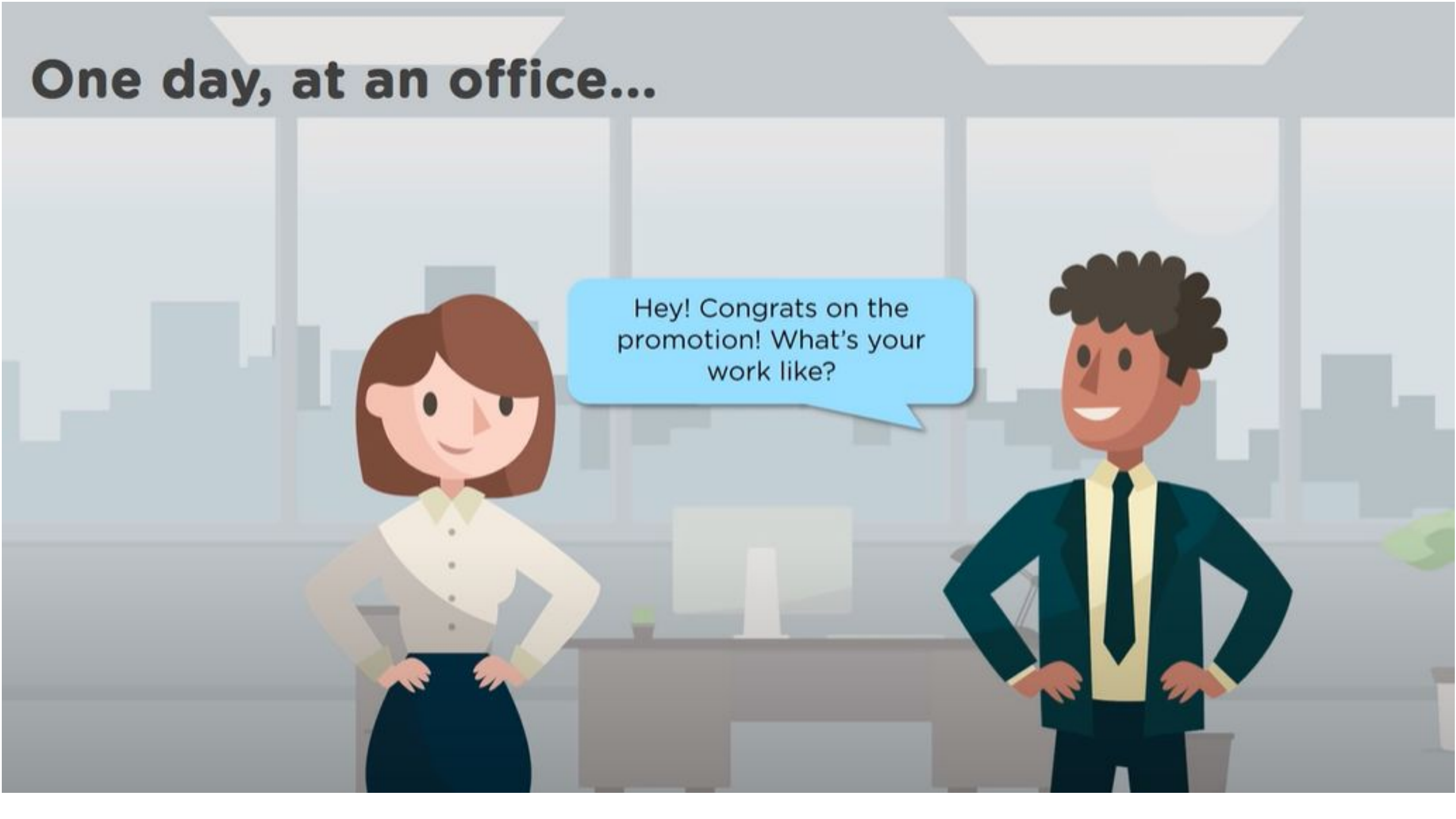


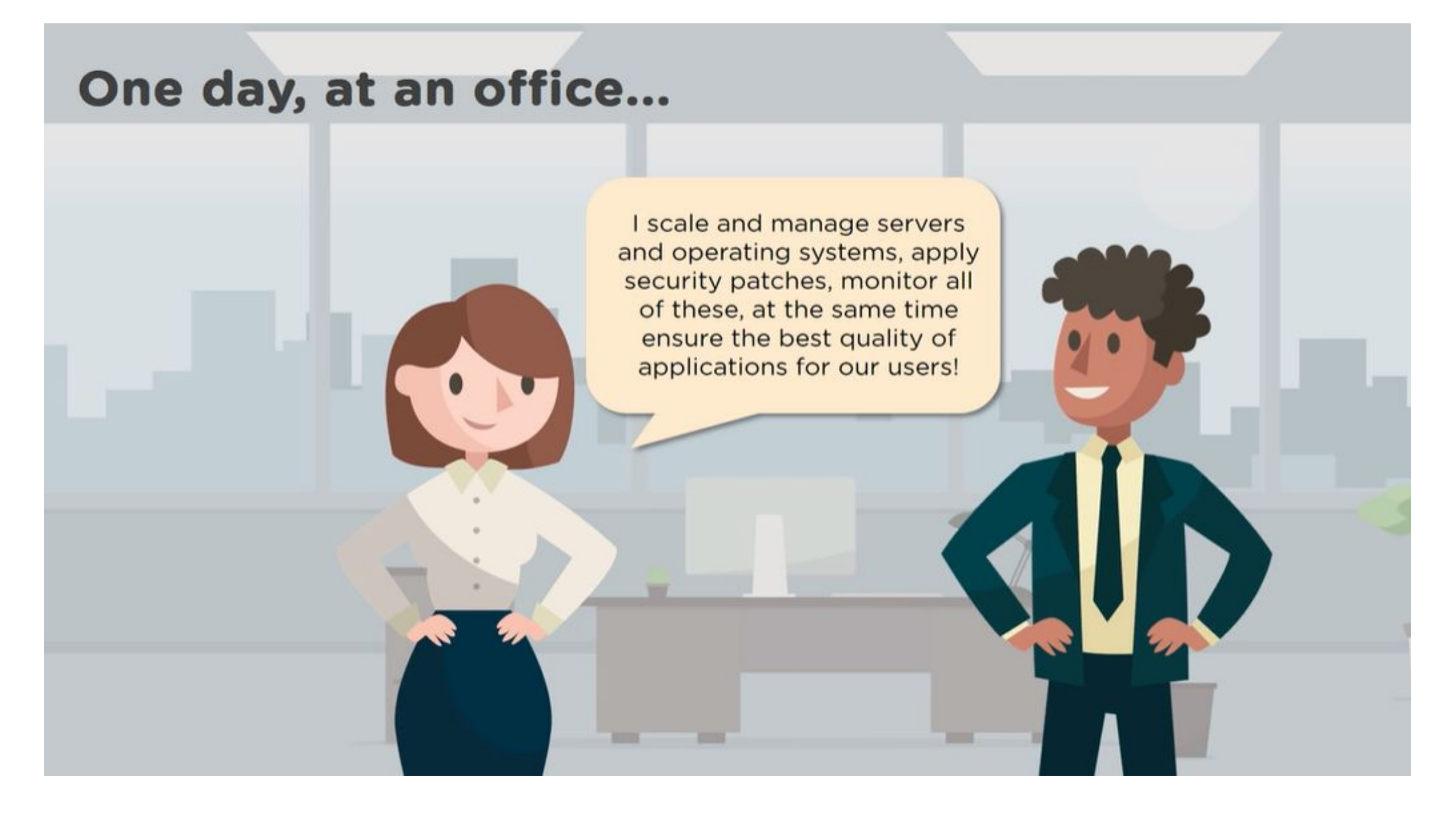
# AWS Lambda

# One day, at an office...

An illustration of two office workers in a modern office setting. On the left, a woman with short brown hair, wearing a light green button-down shirt and a dark blue skirt, stands with her hands on her hips. On the right, a man with dark curly hair, wearing a dark blue suit jacket, a light green shirt, and a dark tie, also stands with his hands on his hips. A blue speech bubble is positioned between them, containing the text 'Hey! Congrats on the promotion! What's your work like?'. The background features large windows with a view of a city skyline, a desk with a computer monitor, and a small potted plant.

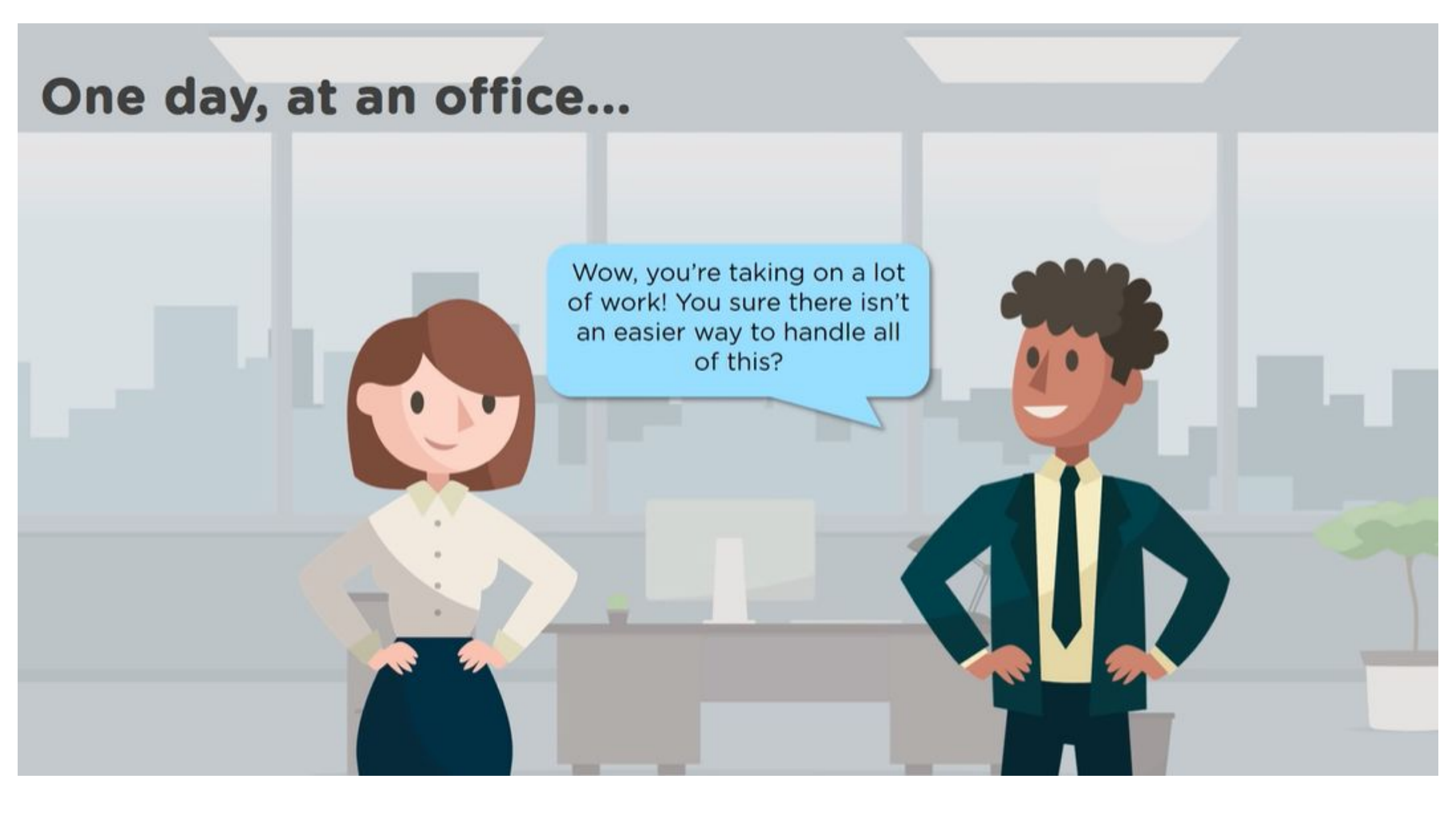
Hey! Congrats on the promotion! What's your work like?

# One day, at an office...



I scale and manage servers and operating systems, apply security patches, monitor all of these, at the same time ensure the best quality of applications for our users!

# One day, at an office...

An illustration of a man and a woman in an office. The woman, on the left, has short brown hair and is wearing a white button-down shirt with a green collar and a dark blue skirt. She has her hands on her hips. The man, on the right, has dark curly hair and is wearing a dark green suit jacket over a yellow shirt and a dark tie. He also has his hands on his hips and is smiling. They are standing in front of a desk with a computer monitor. In the background, there are large windows showing a city skyline. A speech bubble from the man contains the text: "Wow, you're taking on a lot of work! You sure there isn't an easier way to handle all of this?".

Wow, you're taking on a lot of work! You sure there isn't an easier way to handle all of this?

One day, at an office...



# One day, at an office...

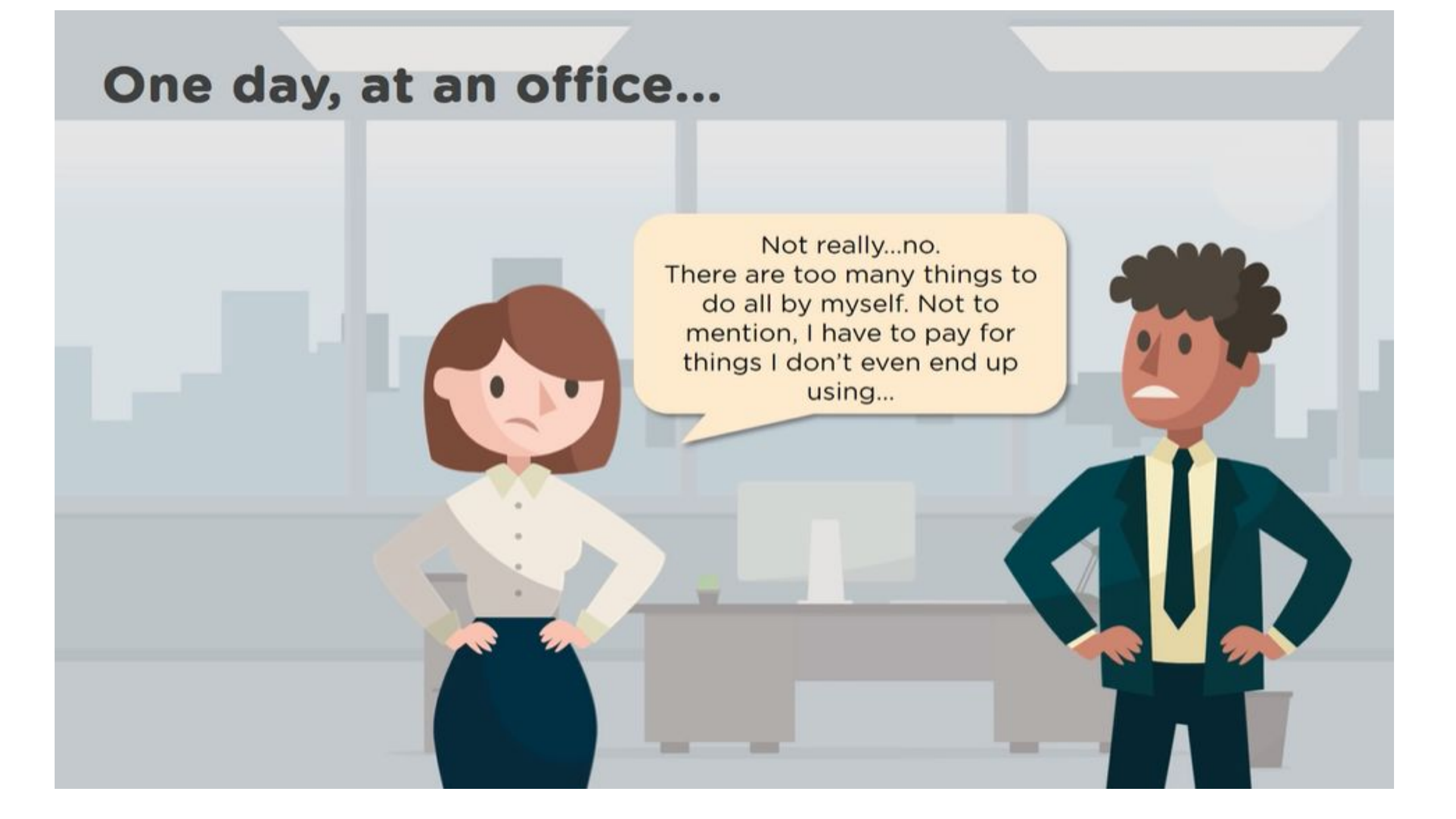
A FEW DAYS LATER...

You seem upset! Is everything okay?





# One day, at an office...



Not really...no.  
There are too many things to  
do all by myself. Not to  
mention, I have to pay for  
things I don't even end up  
using...

# One day, at an office...

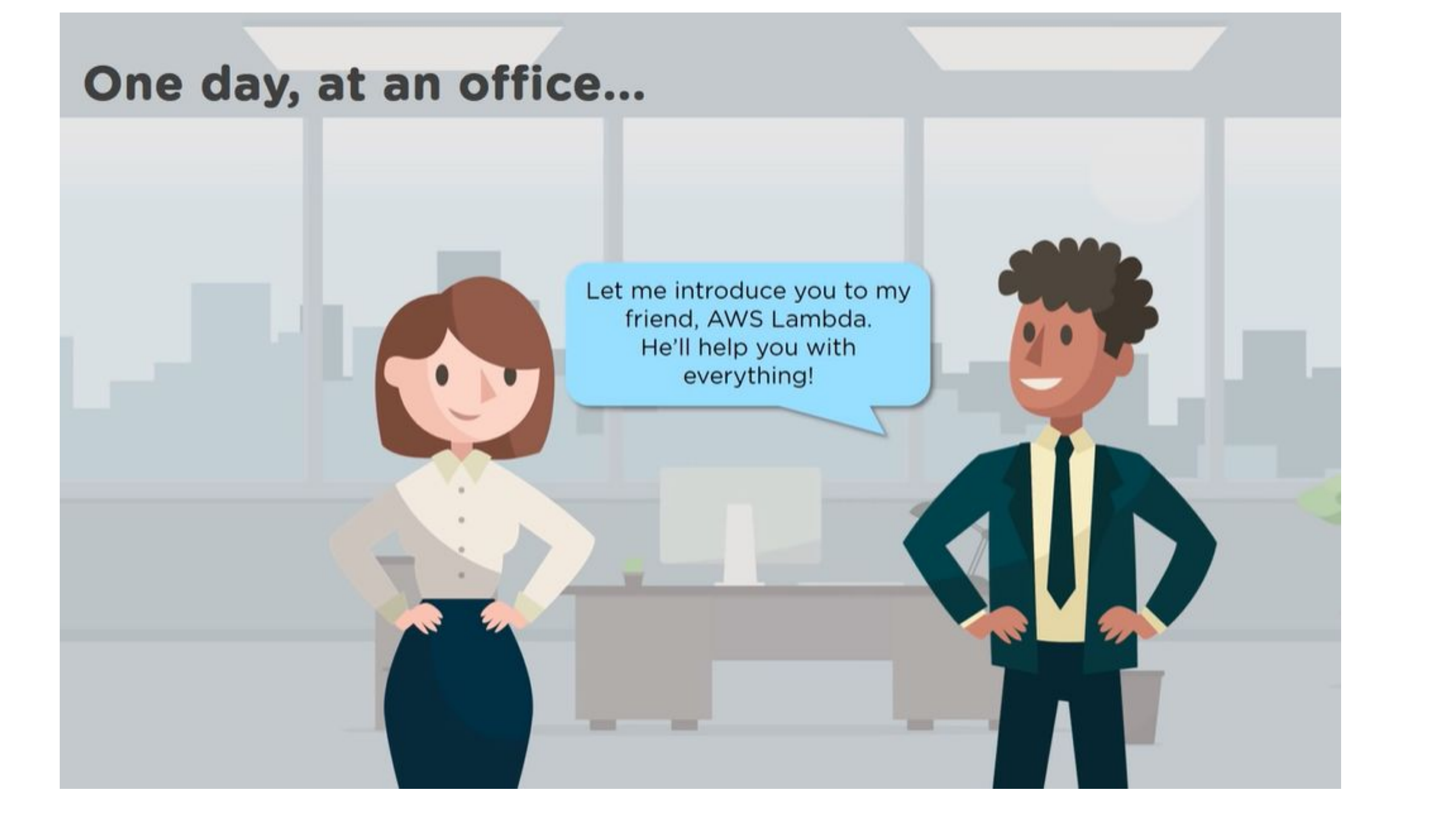


Wish there was an easier way  
to handle all of this.





# One day, at an office...



Let me introduce you to my friend, AWS Lambda. He'll help you with everything!

**One day, at an office...**



Hi! I'm AWS Lambda!  
And I've got all the  
solutions for you





## **No worries about the Server**

You don't require servers.  
All you need to do is write the  
code and upload it to Lambda



One day, at an office...



### No worries about the Server

You don't require servers.  
All you need to do is write the  
code and upload it to Lambda



Which means, you can stop  
worrying about  
provisioning and managing  
those servers! The only  
thing Lambda requires to  
work is your code!





## **Automatic Scaling**

Scaling is done automatically  
based on the size of the  
workload







It scales the application  
running the code in  
response to each trigger

### Automatic Scaling

Scaling is done automatically  
based on the size of the  
workload





### **Metering on the second**

You only pay for the amount of time that your code is running





Which means that you're not charged for any of the servers. The only payment required is for the amount of time the code is computed

### Metering on the second

You only pay for the amount of time that your code is running



# What is AWS Lambda?



AWS Lambda is one of the services that falls under the 'Compute' domain of services that AWS provides

Compute



**Amazon EC2**

**Amazon EBS**

**Amazon Elastic Load  
Balancing**

**AWS Lambda**

# What is AWS Lambda?

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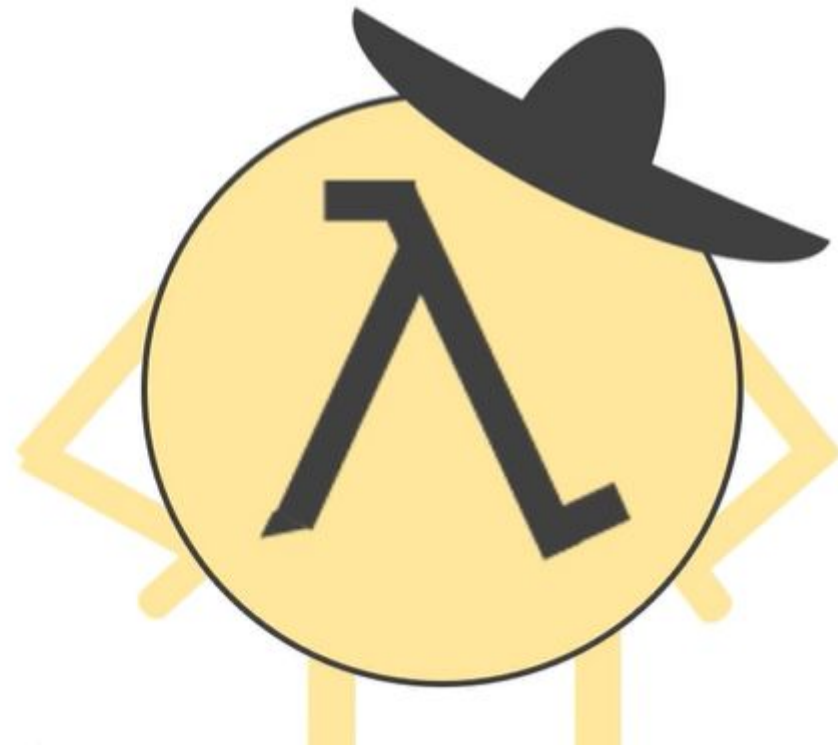
Supports a number of prominent programming languages like Node.js, Java, C#, etc.





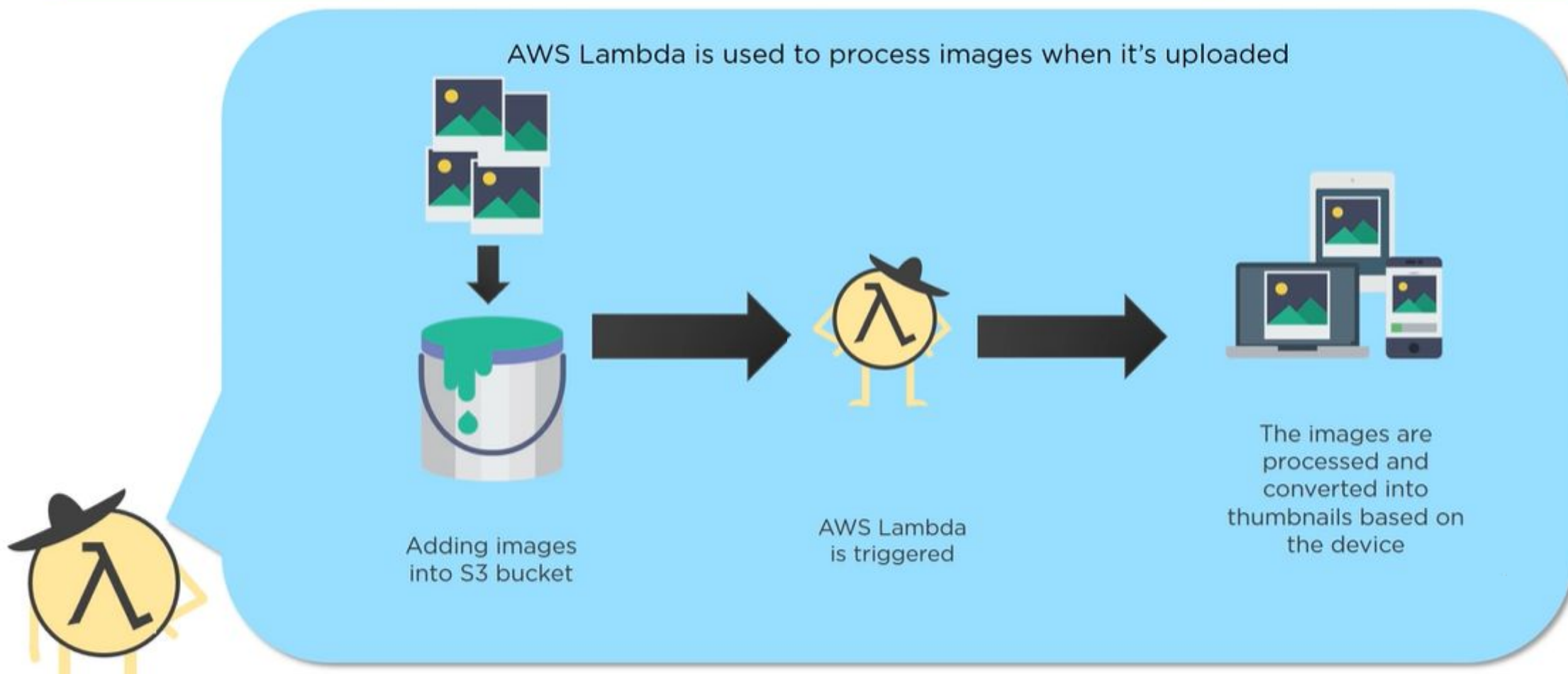
## Where is Lambda used?

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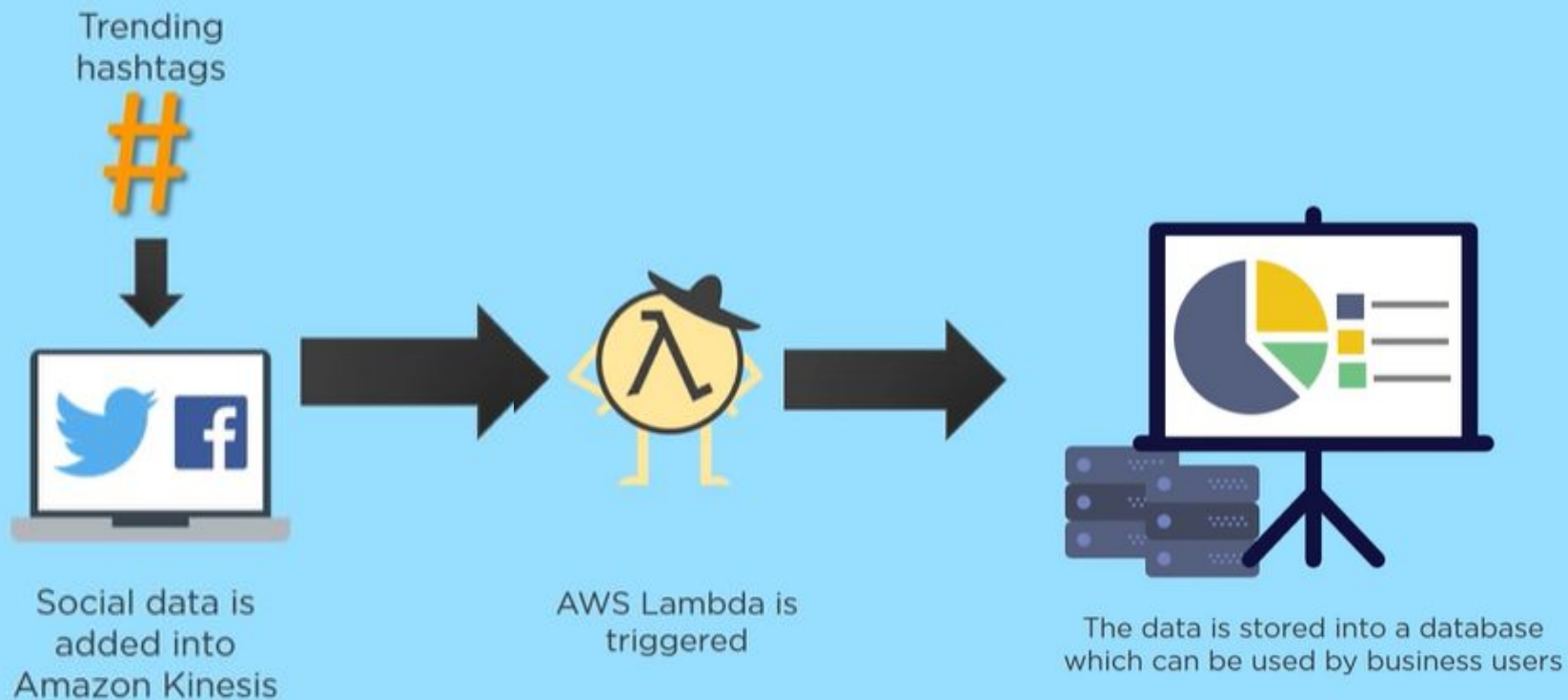
There are a huge number of ways that AWS Lambda is used by businesses, some of them are...

## Where is Lambda used?



# Where is Lambda used?

AWS Lambda is used to analyze social media data



# Where is Lambda used?

---



THOMSON REUTERS



**Benchling**

NORDSTROM

*Coca-Cola*

**Robot**

Some of the  
companies that use  
AWS Lambda  
include...



# How does Lambda work?

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Clients

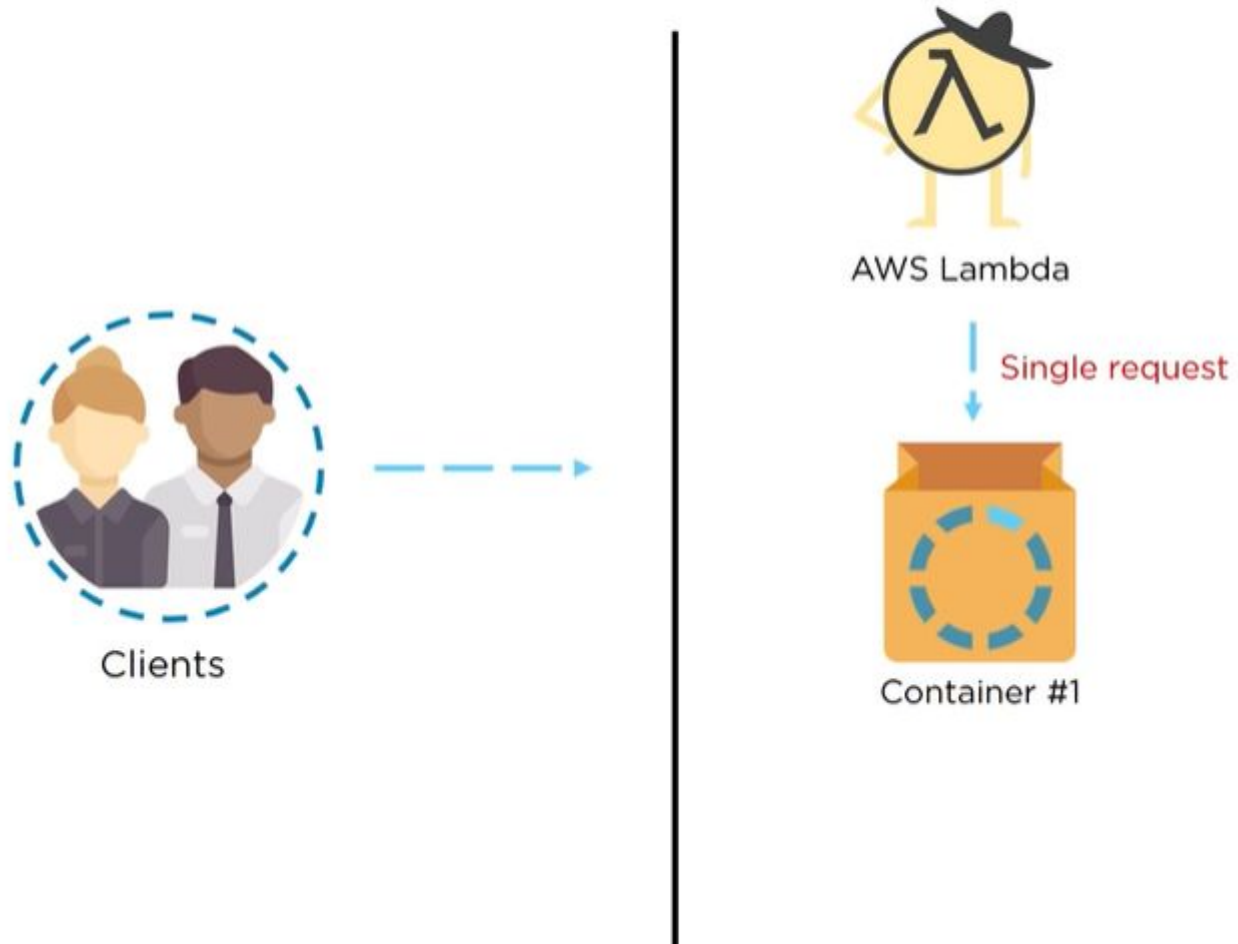
These clients could be anyone who's sending requests to AWS Lambda. It could be an application or other Amazon services





# How does Lambda work?

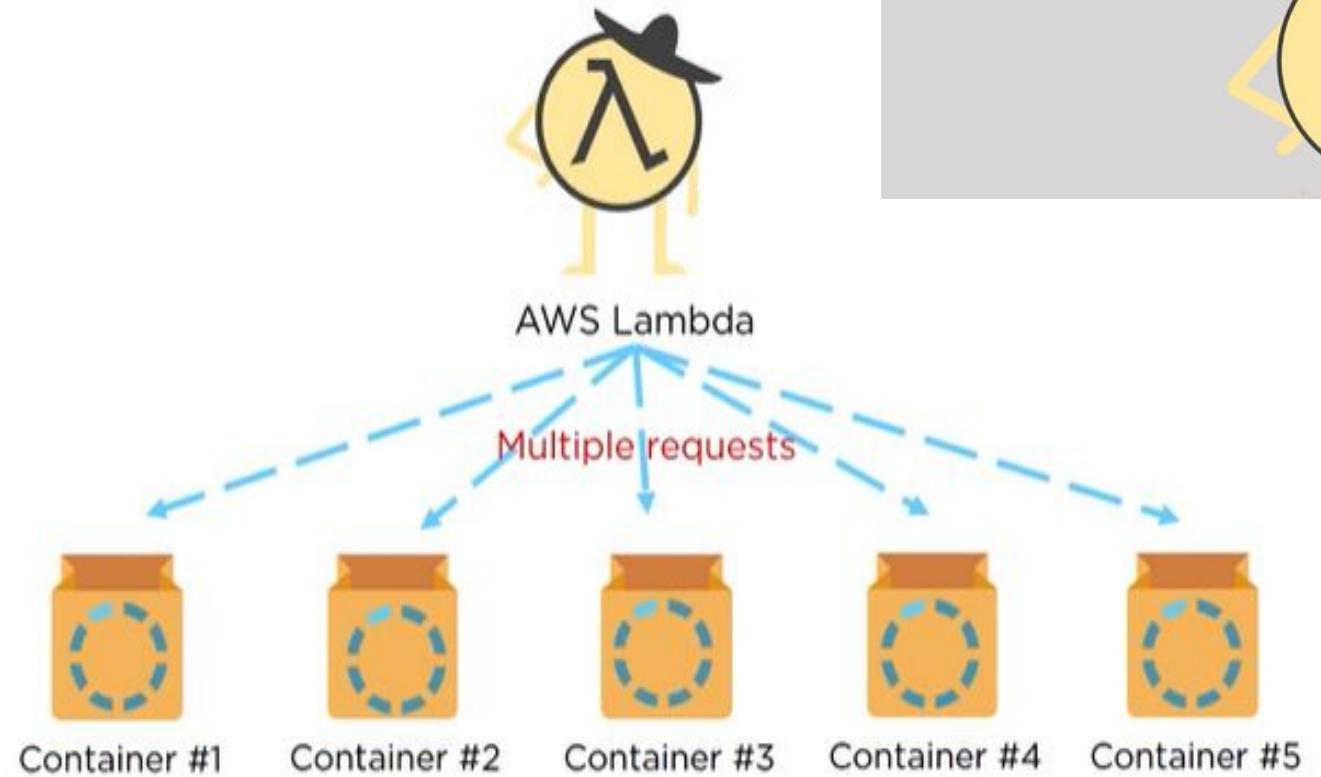
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So these requests are given to a container to handle. A container contains the code the user has provided to satisfy the query



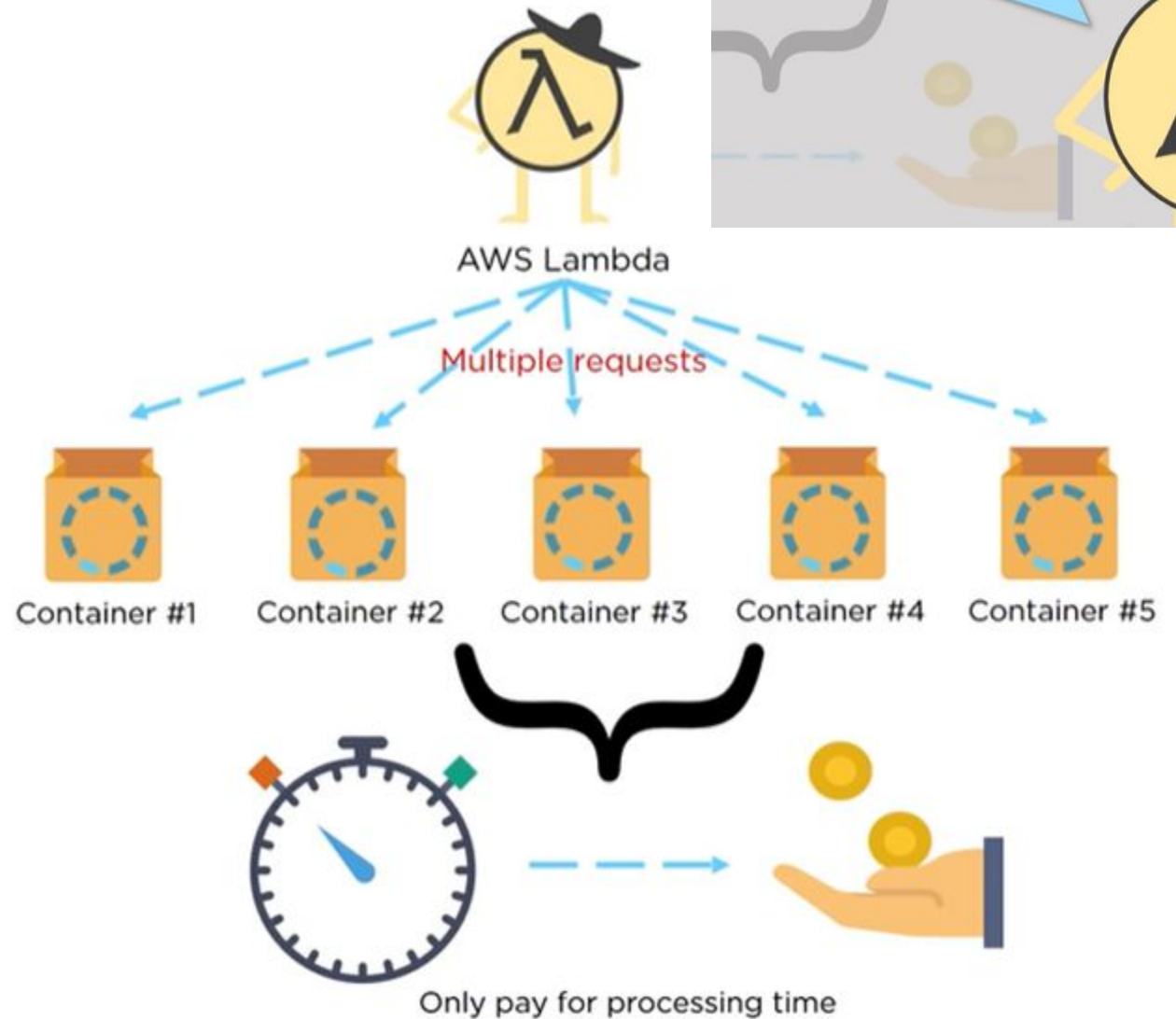
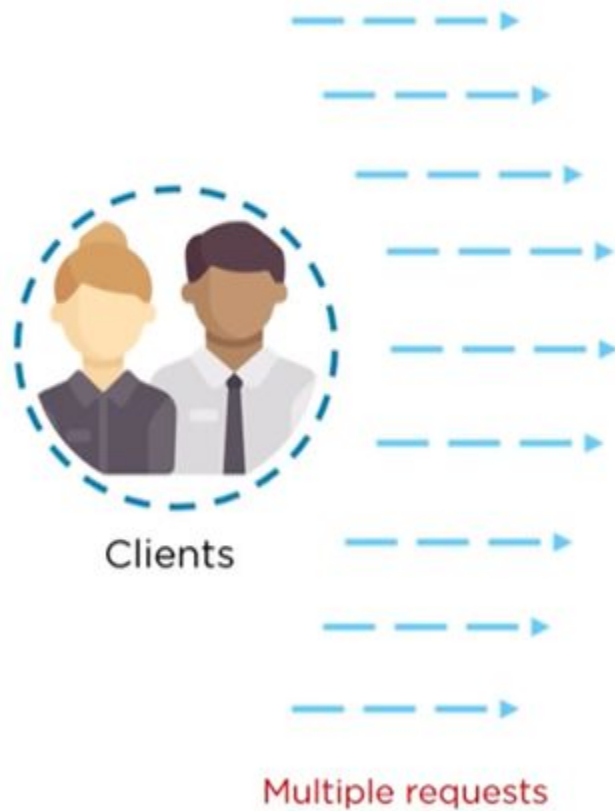
# How does Lambda work?



When the requests reduce,  
the number of containers  
reduce as well



# How does Lambda work?



You're only charged for the amount of time that a function is running inside these containers