

White Hacker Cloud Security Fundamentals

[Date] – Day 11

[Trainer]







About our previous session



Today's agenda



What are we going to learn today ?

Module 3 Security & Operations

- Firewall basics
- Firewall advanced

Cloud 3.0

2 pages

tendances
Trends



**What is your
dream
destination for
your vacation ?**





Briefing time

Your challenge

Firewall basics

Your mission

Azure Firewall is a stateful firewall service that is hosted in Azure. It provides a highly available firewall solution that is also extremely scalable.

In this lab, you will deploy and configure an Azure Firewall and create rules for resources on an internal network.

At the end of this challenge you should be able to

- Understand the concept of a stateful firewall
- Learn how to deploy the Azure Firewall service
- Create rules to allow and secure access to an internal network in Azure



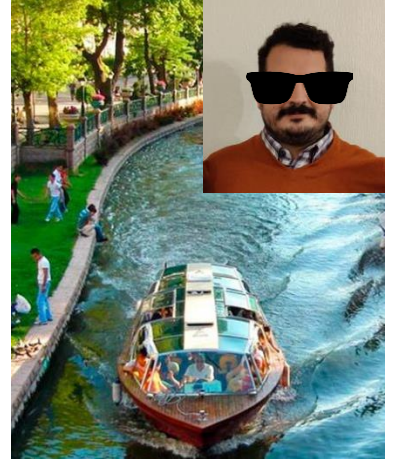
Your challenge

Firewall basics













be The Dilbert of the day

I MIGRATED OUR
NORTHERN DATA
CENTER TO THE
CLOUD.

BUT THE CLOUD
STOPPED WORKING
AND I CAN'T FIND
THE PHONE NUMBER
FOR OUR CLOUD GUY.

SO ... WHATEVER.

YOU
LOST
OUR
DATA
CENTER?

THAT'S
ONE WAY
TO LOOK
AT IT.

Dilbert.com DilbertCartoonist@gmail.com

7-5-13 ©2013 Scott Adams, Inc./Dist. by Universal Uclick

Netflix delivers content globally by running on AWS

3 min



1997 - 2000



2000 - 2014

NETFLIX

2014 - present

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



Briefing time

Your challenge

Firewall advanced

Your mission

Your mission is to deploy a load balancer on Azure.
Follow the following steps:

- Create 2 virtual machines (windows/linux)
- Install web server on the VM (apache, nginx, iis)
- Create a new webpage showing the name of the server answering the request
- Create a load balancer
- Try out through the public IP

At the end of this challenge you should be able to

- Understand High Availability
- Deploy a Load Balancer



Your challenge

Firewall advanced



To: Pierre-Yves Dehon <pierre-yves.dehon@becode.org>

Cc:

Bcc:

Subject: Training AZURE to be stopped !!

From Satya.Nadella@microsoft.com

Message Size: 82 KB

Dear Mister Pierre-Yves Dehon,

We learned that you give Azure Cloud trainings without the formal approval of our HQ in Redmond.

This is unfortunately not in accordance with our governance !

We therefore ask you to stop this training as soon as possible.

Feel free to use AWS or Google Cloud until you received a formal approval from our Legal Department.

Very Sincerely,

Satya Nadella

CEO Microsoft

148th Ave NE, Redmond,
WA 98052, United States






The agenda of our next session

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ay))}}, {key: "backspace", value: function(t, e) { var s = this; if (this.is.toggleBlinking(!1); var n = this.humanizer(this.backSpeed); smartBackspace) { var i = s.strings[s.arrayPos+1]; i && n === i.subs s.strings.length? (s.arrayPos=0, s.options.onLastStringBacksp complete", value: function() { this.options.onComplete(this), thi =s, this.pause.curString=t, this.pause.curStrPos=e}}, {key: "to ng=t; var e=t?"infinite":0; this.cursor.style.animationIterat gsIfNeeded", value: function() { this.shuffle&&(this.sequence=t this; return this.el.className+=" "+this.fadeOutClass, this.c length>t.arrayPos?t.typewrite(t.strings[t.sequence[t.arrayf attr?this.el.setAttribute(this.attr,t):this.isInput?this.el }}, {key: "bindFocusEvents", value: function() { var t=this; this.i e){t.el.value&&0!==t.el.value.length||t.start()}}}, {key: "i ")}, this.cursor.className="typed-cursor", this.cursor.innerHTL }(); e["default"]=a, t.exports=e["default"]}, function(t, e, s) { Error("Cannot call a class as a function")})Object.defineProperty ts[e]; for (var n in s) Object.prototype.hasOwnProperty.call(s, n(a), l=function(t){i(this,t)}return o(t, [{key: " enumerable||!1, n.configurable=!0, "value"in n&&(n.writable= t.options.cursorChar, t.cursorBlinking=!0, t.startDelay=t.options.startDelay, t.fadeOutClass, t. stringsElem
```

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

Module 3 Security & Operations

- **Firewall advanced**
- **Distributed Denial of Service (DDOS)**



Closed
see ya tomokrow