

# White Hacker Cloud Security Fundamentals

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[Date] – Day 14

[Trainer]





Hello

Press home to open



Zarolt SIM

16:58

90%



# About our last session

WHAT  
DO YOU  
MEAN  
?

Live coverage  
today

Take-off 11.49 AM



Shane Kimbrough

Megan McArthur

Akihiko Hoshida

Thomas Pesquet



<https://www.spacex.com/launches/>

# Today's agenda



# What are we going to learn today ?

## Module 4 Secure Data & Apps

- Azure Storage Service Encryption
- Azure Disk Encryption For Azure VMs

What is your  
favourite  
dish or meal ?





What is your  
favourite  
dish or meal ?

Traditional Italian Recipe

## *Spaghetti Carbonara*

[recipesfromitaly.com](http://recipesfromitaly.com)











**Briefing time**

# Your challenge

## Azure Disk Encryption For Azure VMs

### Your mission

As an administrator at Privacy Corp, you have been asked to make sure that every single virtual machine deployed in the cloud has Data Encryption enabled for the OS disk and the Data disk(s) using BEK (BitLocker encryption Key).

So you will first start to implement that manually using the Azure Portal, then for you to make this process conscient over time, you have been asked to write a Powershell script that deploys all need ressources to be able to deploy a virtual machine with Azure Disk Encryption enabled (BitLocker).

### At the end of this challenge you should be able to

- How to implement Azure Disk Encryption on both Existing and New Virtual Machine (BitLocker)
- How to implement Azure Disk Encryption on both Existing and New Virtual Machine (DM-Crypt)





# Your challenge

Azure Disk Encryption For  
Azure VMs







# be The Dilbert of the day



VACATION ARTIST BRENNA THUMMLER



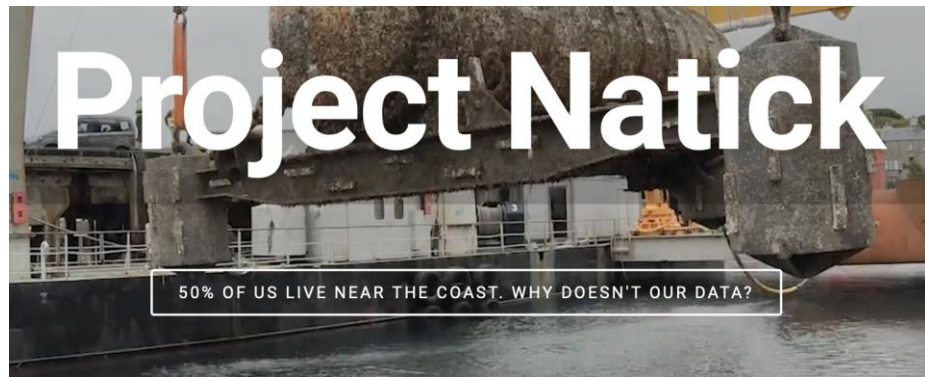
4-4-16 © 2016 Scott Adams, Inc. /Dist. by Universal Uclick





# Project Natick

*2 min 15 sec*



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





# Demo time

Azure disk encryption  
for VMs (Windows)



# The agenda of our next session

```
ay)))}, {key: "backspace", value: function(t, e) { var s = this; if (s.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.array attr ? this.el.setAttribute(this.attr, t) : this.isInput ? this.e }}, {key: "bindFocusEvents", value: function() { var t = this; this.e } { t.el.value && 0 !== t.el.value.length || t.start() ) }, {key: "i "), this.cursor.className = "typed-cursor", this.cursor.innerHTML }(); 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() { function t(i) { 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 4 Secure Data & Apps

- Azure Disk Encryption For Azure VMs
- ...



**CLOSED**