# New challenges **NEW IDEAS**

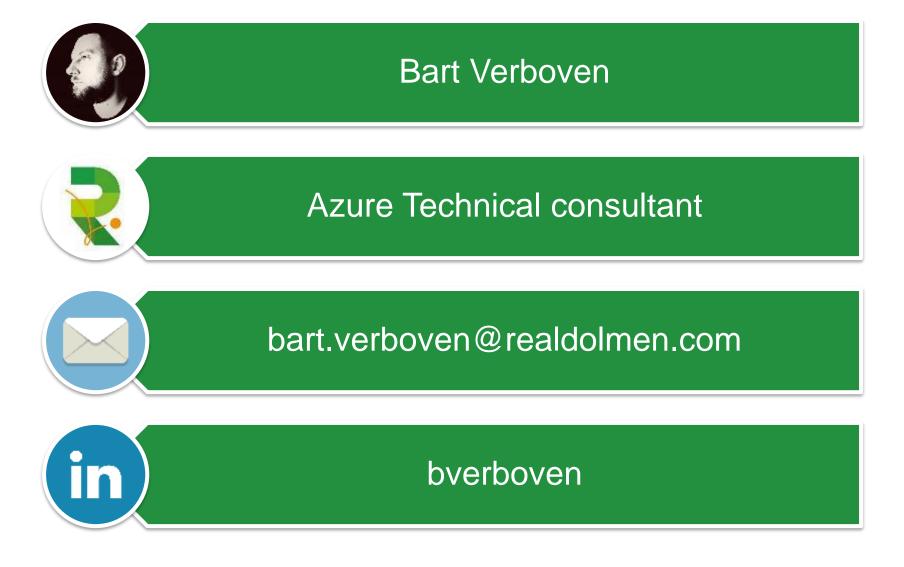


Regulatory Compliance with Azure Security Center





#### WHOAMI



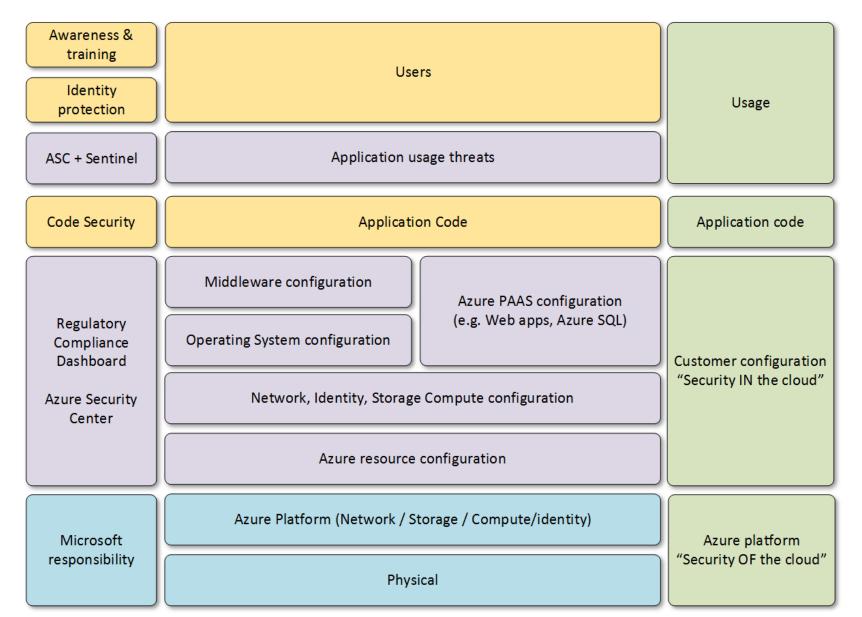
### WHAT I'M GOING TO TALK ABOUT

- Security responsibility in a cloud model
- The Regulatory Compliance dashboard
- The technical tracks
- Pricing model
- The Realdolmen approach
- QnA

"Through 2020, 95 percent of cloud security failures will be the customer's fault" – Gartner

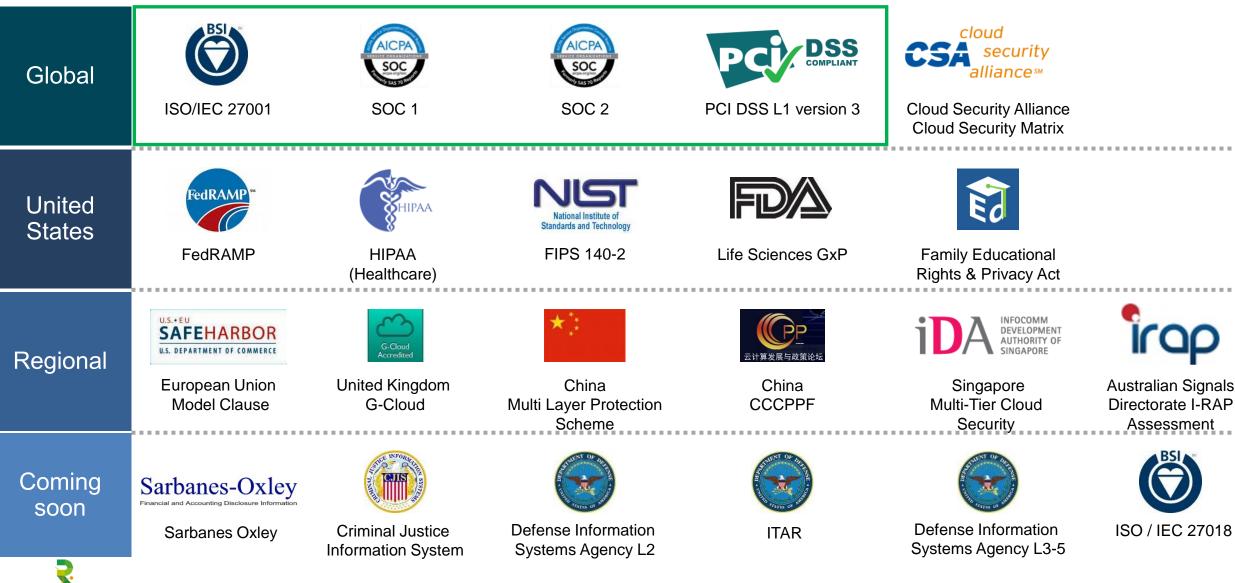
Source Gartner Reveals Top Predictions for IT Organizations and Users for 2016 and Beyond, October 2015, http://www.gartner.com/newsroom/id/3143718

#### **SECURITY IN THE CLOUD IS A SHARED RESPONSIBILITY**



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## **TRUST CENTER**



https://azure.microsoft.com/en-us/overview/trusted-cloud/

# The Compliance Dashboard

# The ingredients for a compliant environment

# **CONFIGURATION OF AZURE RESOURCES**

- Configuration best practices of the Azure Resources
  - ▶ Tied to only resource types you use
  - ARM based
- Some typical examples
  - Enforce HTTPS
  - ► Use encryption capabilities
  - Diagnostics
  - ▶ Auditing (e.g. Key Vault access)
  - CORS restrictions
  - ► Remote debugging off for apps



# DATA

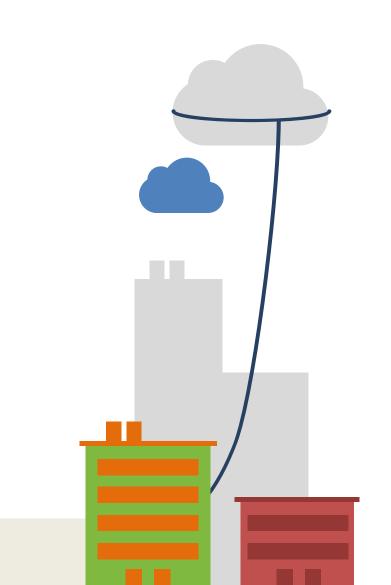
- Databases
  - Data Classification
  - ▶ Set an AAD account as administrator
  - ► Transparent data encryption
  - ► Vulnerability assessment
- Storage accounts
  - Restrict blob access
  - ▶ Restrict account access
  - SAS tokens
  - Managed disks





### NETWORKING

- Implement Network level security
  - Network Security groups
  - Azure Firewall
  - ▶ Next Generation Firewall Appliance
- Secure external access
  - ▶ Use service endpoints for PAAS resources
  - Built-in ACLs on PAAS components
  - ▶ Limit attack surface (e.g. RDP / SSH)
    - Restrict external access in time & have traceability: Just in Time



## **IDENTITY**

- Multifactor Authentication
  - ► Free for global admins
  - ▶ Will be enabled by default coming up
- Segregate your duties ....
  ... but not too much
- Elevate access using Privileged Identity Management
- Clean up deprecated accounts





# **OPERATING SYSTEM CONFIGURATION (IAAS ONLY)**

- CCE (Common Configuration Enumeration)
- Enforce / Control with
  - ▶ Group Policy Objects (GPO)
  - Desired State Configuration (DSC)
  - ► Azure Policies in preview (~DSC) (GA 08/2019)
- Protection
  - Endpoint Protection
  - Patching
- Both Windows & Linux are checked

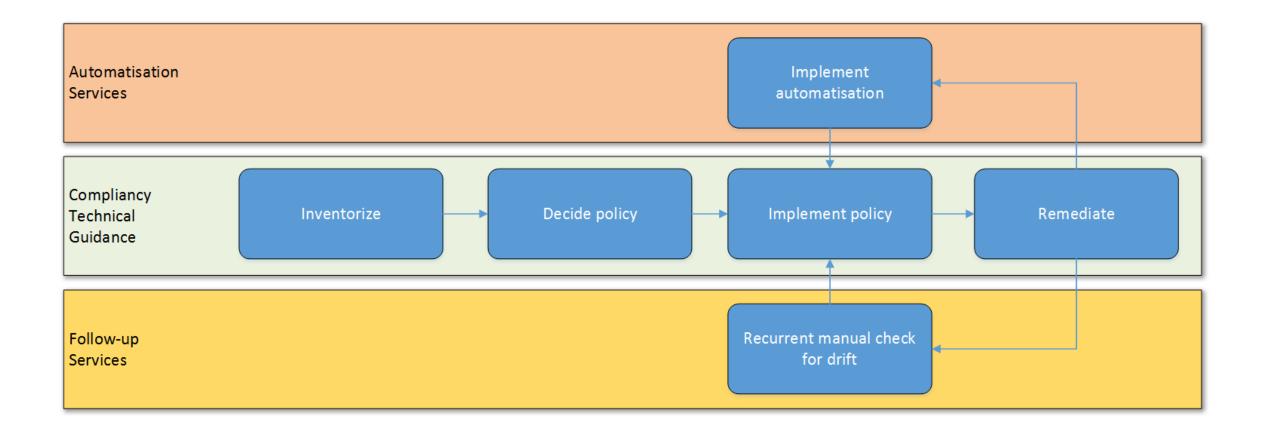




### **PRICING MODEL**

Free	Standard
Security assessment	Security assessment
Security recommendations	Security recommendations
Basic security policy	Advanced security policy
Connected partner solutions	Connected partner solutions
	Just in time VM Access
	Adaptive application controls
	Network Threat detection
	Regulatory compliance dashboard
	15 USD / Node / Month

### THE REALDOLMEN APPROACH



# Questions?

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Contact us at: hybridcloud@realdolmen.com

# Thank you!

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