

Securing the desktop in today's complex cloud environment

A customer story



THE SECURITY CHALLENGE

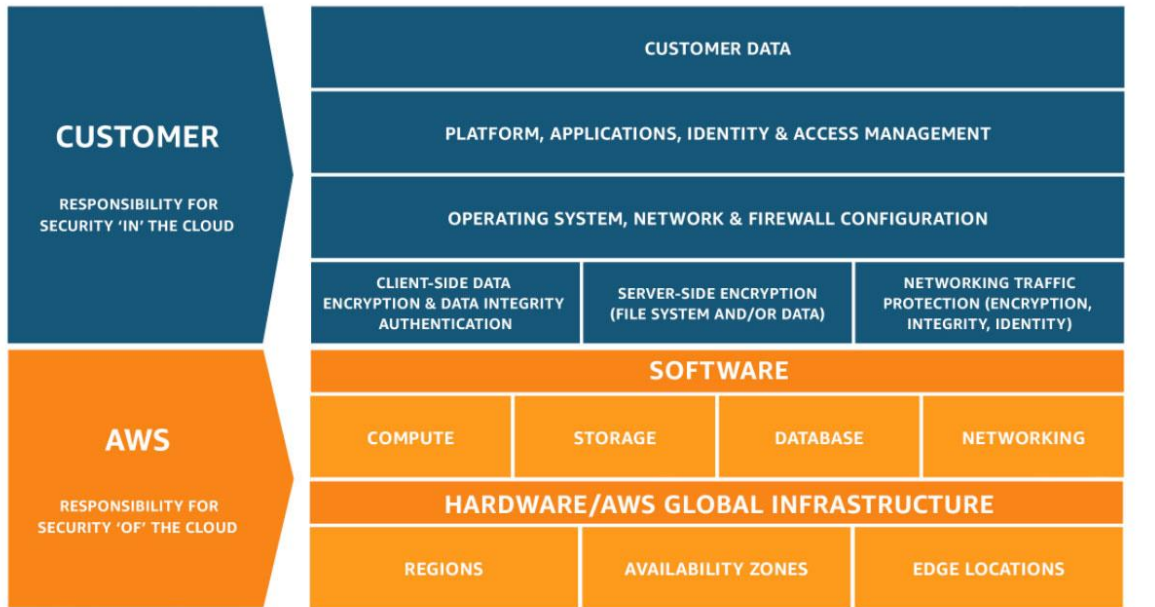
1. Ensure data is contained
2. Reduce surface area
3. Segregate users to minimise impacts of breach
4. Prevent inappropriate user actions

CLOUD SECURITY MODEL

Powered by AWS



The provider is responsible for security **of the cloud** whilst **YOU** are responsible for security **in the cloud**.



The Platform



Cloud based managed desktop service



- Virtual Desktop staged inside the AWS Cloud.
- All data remains resident inside the private cloud.
- User separation achieved through dedicated virtual machine instances
- Responsive and agile to containment and remediation.
- Reduction in target area - users interaction contained within the VPC.

Authentication

DATA BREACHES BY THE NUMBERS

Credential harvesting is the most fruitful tactic for today's threat actors



81%

of data breaches involve
stolen/weak credentials

*Source: 2017 Verizon Data Breach
Investigations Report*



91%

of phishing attacks
target credentials

*Source: 2016 Verizon Data Breach
Investigations Report*



73%

of passwords
are duplicates

*Source: TeleSign 2016 Consumer Account
Security Report*

INTEGRATION WITH SECURITY TOOLS

TAKING A “DEFENCE IN DEPTH” APPROACH

A new breed of tools have emerged that are developed specifically with Cloud services in mind.

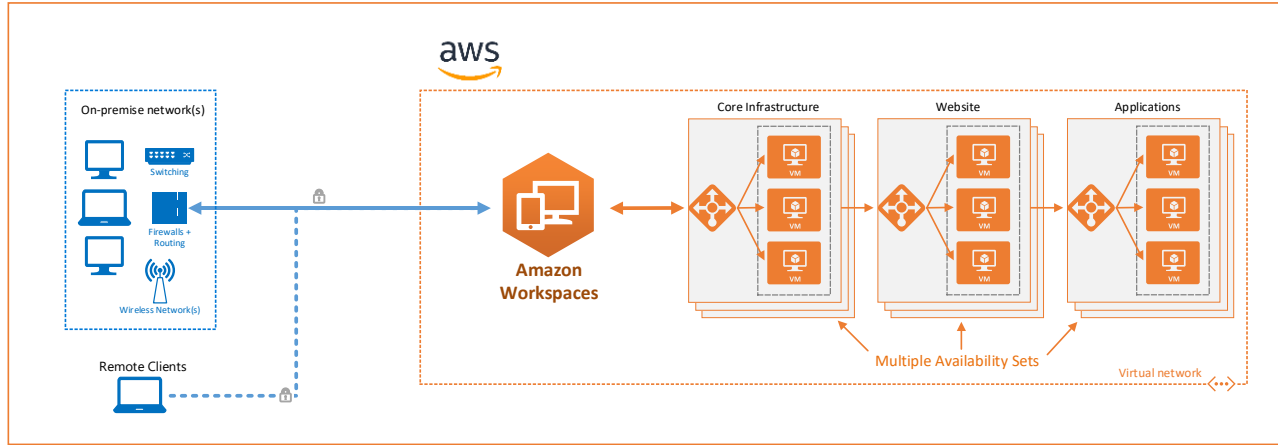


MONITORING & MANAGEMENT



The challenge was presenting **meaningful** threat data back to the stakeholders..

WHAT THIS LOOKS LIKE IN PRACTICE



- Workspace inside the AWS Ecosystem
- Any device anywhere
- Traditional desktop functionality fully supported

Client Devices

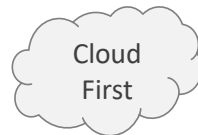
Desktops Laptops Mobile Devices

Business Applications/Services

AWS Hosted Applications SaaS Business Applications Office 365 SharePoint Outlook Skype for Business Power BI BI/Reporting

Endpoint/Configuration Management

PDQ Inventory Microsoft System Center Configuration Manager Microsoft Intune



Security/Monitoring

Symantec SOPS Alert Logic Trend Micro

Summary and Lesson we Learned

1. A Cloud desktop doesn't solve all the problems but it's a great starting position.
2. Look for tools that are Cloud ready.
3. Evaluate tools regularly as functionality is developing at pace
4. Response and containment are major parts of the equation.
5. People still click on that offer that's too good to be true.

ANY QUESTIONS PLEASE COME AND TALK TO ME



Richard Corner

Operational CEO

richard.corner@alscient.com | www.alscient.com