



asigra

# Your Backups Are Under Attack

STOP HIDING FROM RANSOMWARE AND START HUNTING IT

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PETE NOURSE  
CMO | CRO



# Asigra Corporate Overview

- 20+ years of innovation
- Multi-year award-winning platform
- Focus on secure data protection, cloud backup and “Cyber-Safe Recovery”
- 250+ MSP Partners Worldwide
- 1,000,000 installations worldwide
- North American HQ (Toronto) delivering global solutions



*I know that my client's data is safe and sound using the Asigra technology, and I can restore anything from anywhere with zero hassle. The agentless technology works flawlessly.*

*G2 Reviewer – Current Business Partner*

# Broad Spectrum of Clients – SMB to Enterprise

## Financial Services

**THE CARLYLE GROUP**  
GLOBAL ALTERNATIVE ASSET MANAGEMENT

**LLOYD'S**

**MYRON STEVES**

**JARDINE LLOYD THOMPSON**  
Limited

**Crawford**

**hanrickcurran**  
ACCOUNTANTS, STRATEGISTS  
experience. new thinking

**GMAC**

**FIRST TENNESSEE**

**GULF SHORE BANK**

**London & Capital**

**BTIG**

**tullett prebon**

**The St Paul**

## Professional Services

**CACI**  
EVER VIGILANT

**FedEx**

**LANDMÆLINGAR ISLANDS**

**RIO CAN**  
REAL ESTATE INVESTMENT TRUST

**NEW JERSEY STATE BAR ASSOCIATION**

**Statistics Iceland**

**Atlas Van Lines**  
World-Class Moving

**JARÐBORANIR HF**  
ICELAND DRILLING COMPANY LTD  
At Your Resources

**The Commonwealth**

**fisher meredith**  
representing success

**VAALCO ENERGY, INC.**

**PARSONS BRINCKERHOFF**

**Planes**  
Moving & Storage

**Macklowe Properties**

**Hines**

**EQUITY ONE INC.**

**Mc CIENNA**

**NATIONAL WEATHER SERVICE**

**Hilldrup**

## Manufacturing

**LEGO**

**Audi**

**LINLEY**

**WATERFORD**  
CRYSTAL

**TOYOTA**

**MEYER GROUP LTD**

**dyson**

**SUBARU**  
Confidence in Motion

**PING**

**HARLEY-DAVIDSON**  
MOTOR CYCLES

**VW**  
Das Auto.

**PETRONAS**

**SIEMENS**

**PACMOORE**

**Broyhill**

**morphotek**

**MASCO**

**SUZUKI**

**NORDURÁL**  
Century 21

**RING** Container Technologies

**Master Lock**

**bp**

**CORUM**  
LA CHAUX-DE-FONDS - SUISSE

**NISSAN**

**OLYMPUS**  
Your Vision. Our Future.

# Broad Spectrum of Clients – SMB to Enterprise

## Retail



## Non Profit



## Technology



## Healthcare



## Broadcasting/Media



## Gov & Education



## Sports/Entertainment





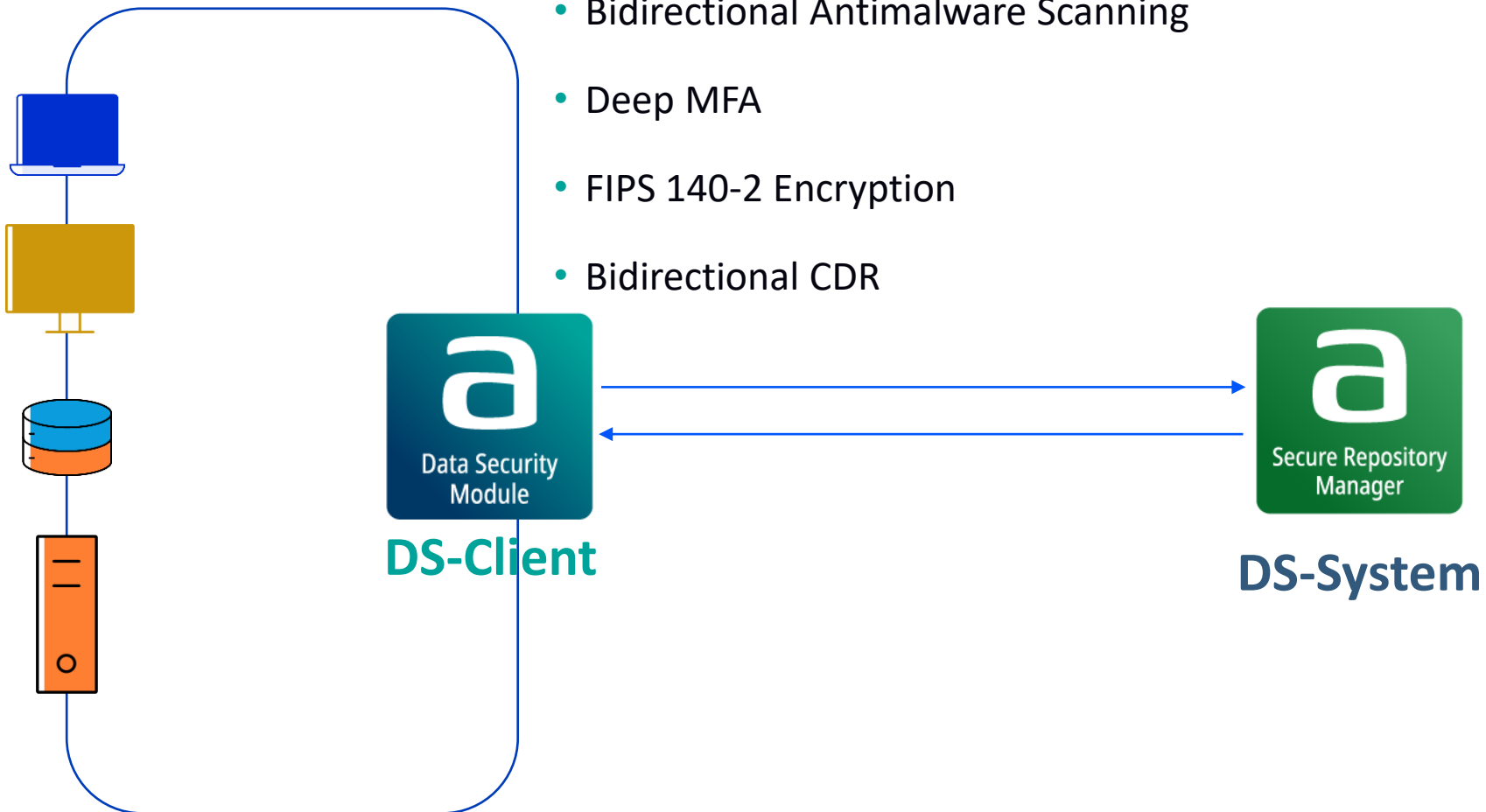


Backup

Cyber  
Security

# A Unique Security Architecture

## Agentless Backup

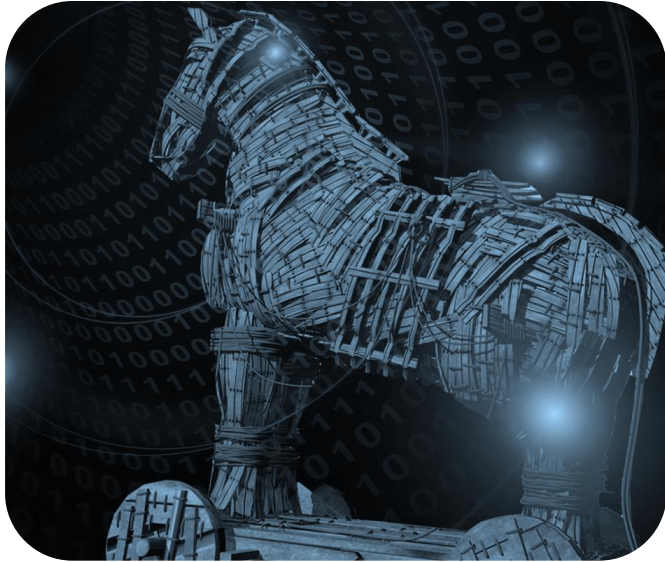


AIR-GAPPED & IMMUTABLE BACKUPS



ARE DEAD

# Evolution of Backup Infiltration



Sleeper (Trojan Horse) Attacks



Deeply Embedded Malware



Backup Subversion

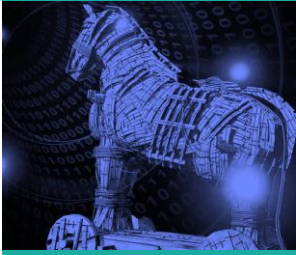
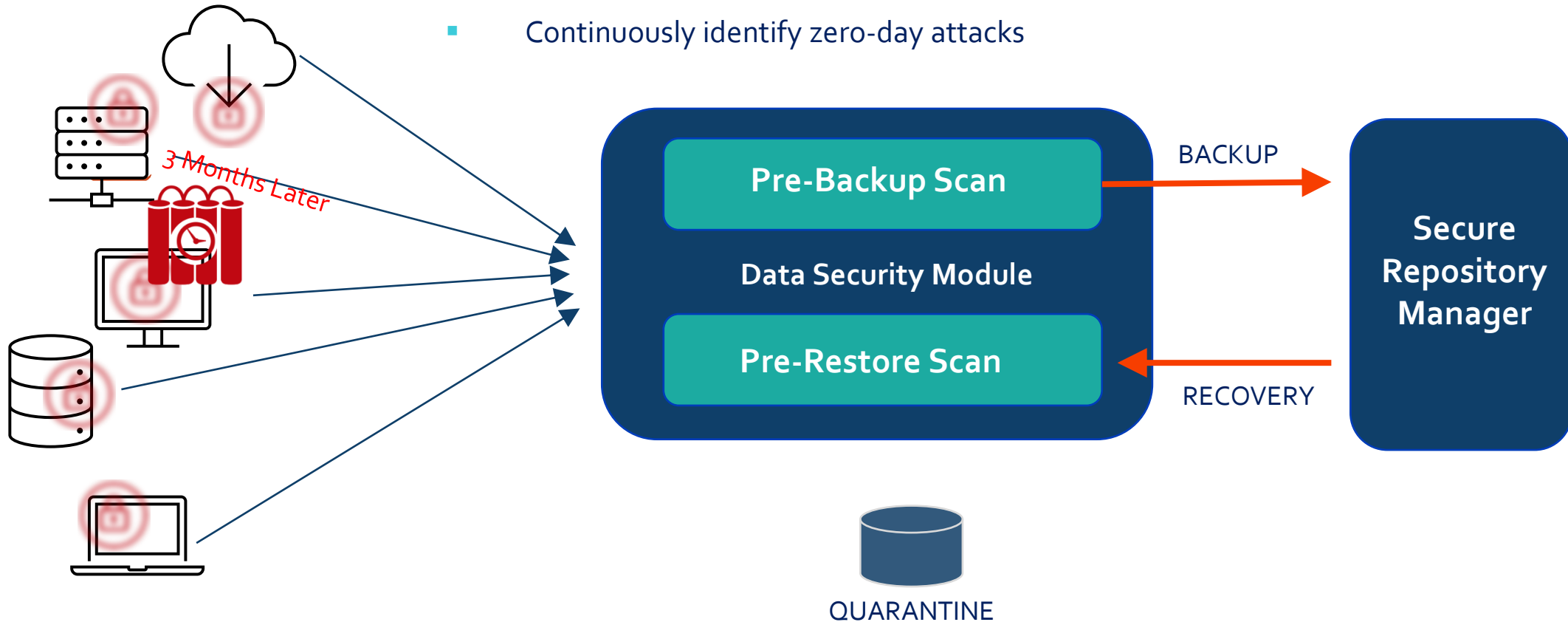




# Integrated AntiRansomware

## Bidirectional Antimalware Scanning

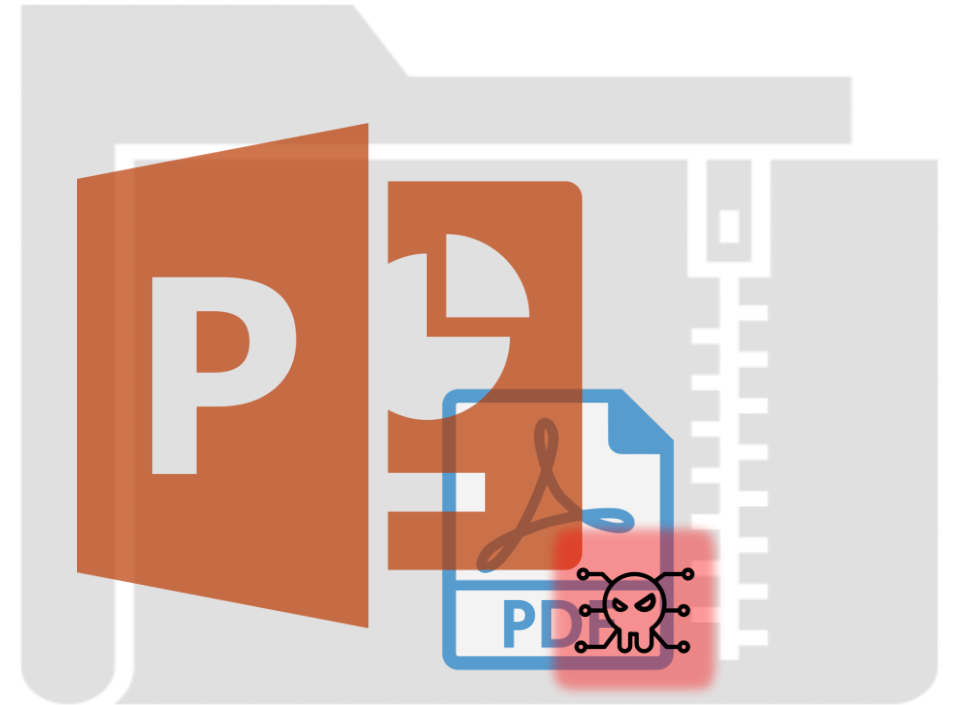
- AI and ML behavioral heuristic detection
- Detect and block attacks at pre-execution with high accuracy
- Advanced Anti-Exploit
- WW in-the-wild sensors
- Continuously identify zero-day attacks





# Embedded Attacks

- Weaponizing Documents
- Can't Scan, What You Can't see
- Deeply embedding executable Content
  - Macros
  - Links
  - Code



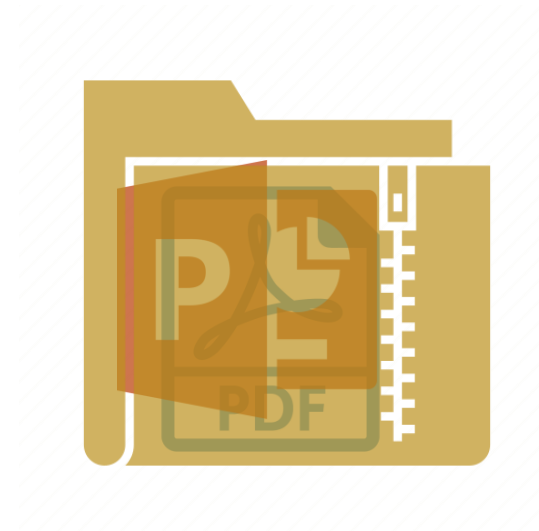
# CDR

## Breaking It Down



### Asigra CDR

- Scan File System backup sets for potentially malicious or unauthorized content embedded within files (macros, scripts, etc.)
- Pre-defined policies (filter, block and remove)
- Breaks down each archive/file into its smallest components
- Scans each component to identify all objects
- Potentially dangerous objects are acted upon based on policy



#### Header

#### Body

Text streams  
Images  
Multimedia elements  
Internal links  
External links

#### 'xref' Table

#### Trailer



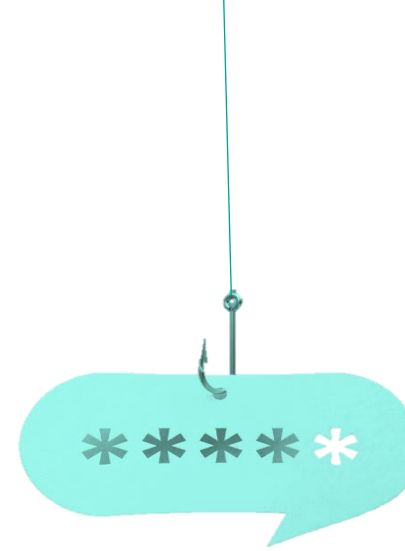
# Backup Subversion

## Covid was Good for the Bad Guys

Remote work increased the threat landscape in 2021\*

- 59% increase in access to critical business systems
- 55% increase in credential theft
  - 90% of companies hit by phishing attacks
  - 29% hit by credential stuffing

\*Ponemon cyber security report



## Using The Backup System Against Itself

- Most backup systems have low levels of security making credential theft simple
- Once credentials are stolen, the attacker appears legitimate
- Attacker can modify backup settings to delete all data
- Synchronize backup deletion with encryption detonation



# Asigra Deep MFA

## Advanced and Integrated Multifactor Authentication

- Passwordless authentication
  - Biometrics
- Multi-Person MFA
  - Multiple people authenticate
  - Can be inside or outside your company
- Task Based Authentication
  - Emptying the DS-System Trash Folder
  - On-demand backup and restore protected
  - Backup deletions (set level and item level) protected
  - Reassign, edit or deletion of retention rules and schedules protected
- Supports Secret Double Octopus
- MS Authenticator & Google Authenticator (Q1)





# Unparalleled Security Flow

Within the Data Security Module



All Data Scanned In-Line

Antimalware Scan

CDR Scan

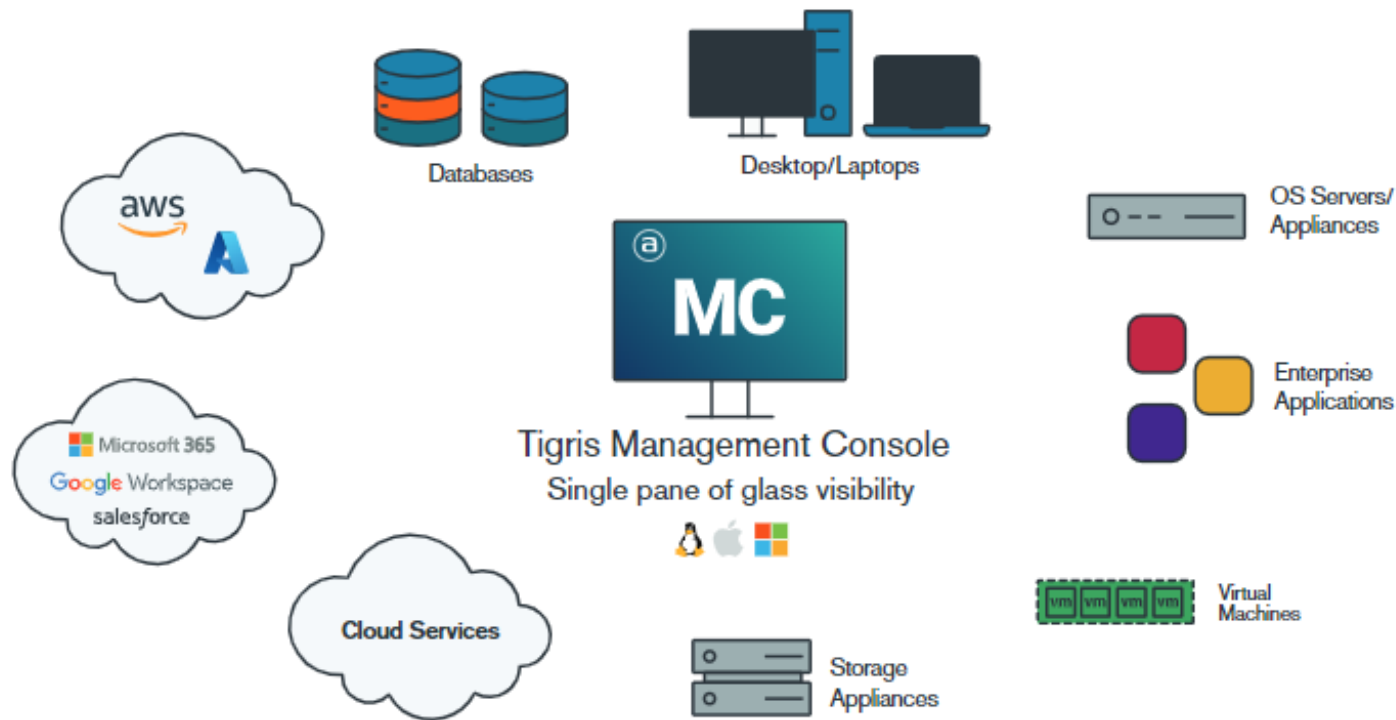
FIPS 140 Encryption



Bi-directional Scanning



# End to End Data Protection



One of the biggest benefits for Asigra is its agentless nature allowing us to protect environments without having to worry about deploying lots of different agents. This is especially beneficial for protecting cloud resources such as AWS, Azure and Google hosted environments."

**Oliver K.**

MSP servicing SMB-enterprise customers



# asigra

## Q & A

