Microsoft Security

CLOUDGUARD

Microsoft Solutions Partner
Security

Cybersecurity Assessment

Engagement Overview

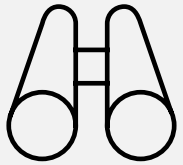
Introducing the Cybersecurity Assessment

Discover vulnerabilities to Microsoft cloud and on-premises environments.

What we'll do during the engagement

Analyze the customer's environment and current cybersecurity maturity level based on v8 of the CIS Critical Security Controls.

Define scope & deploy Microsoft Defender Vulnerability Management and Insider Risk Analytics in the customer's production environment.

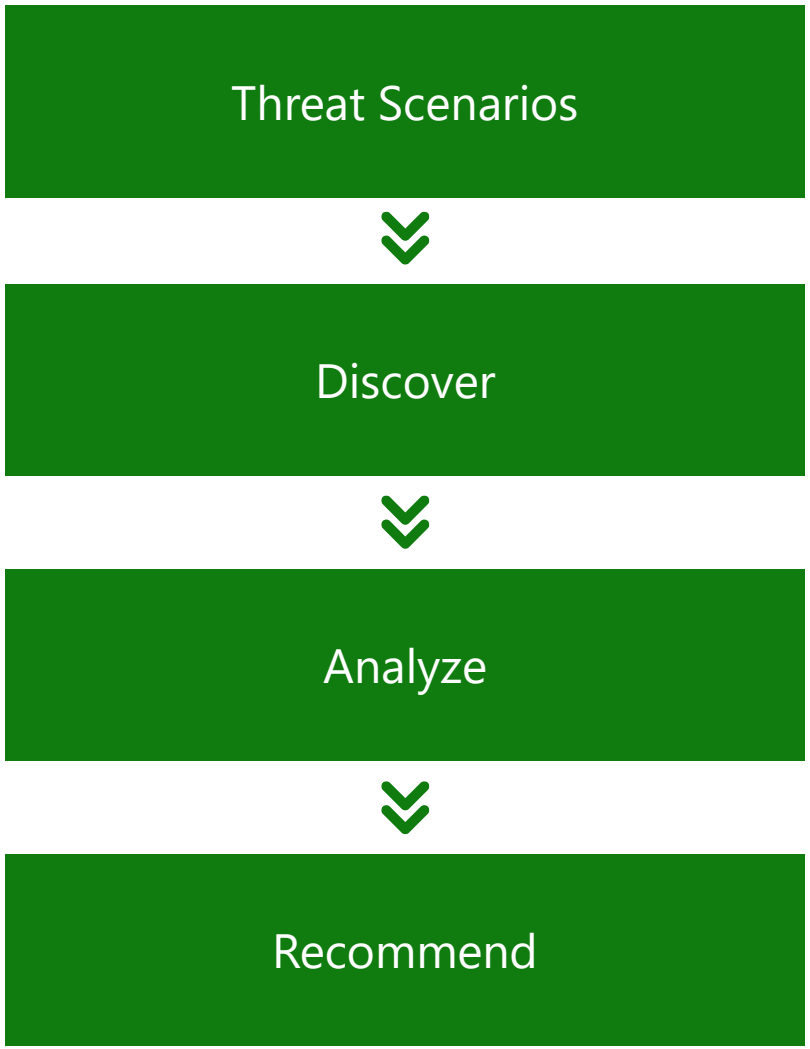


Perform a vulnerability assessment and assist with the prioritization of vulnerabilities and misconfigurations across the customer's organization.

Perform a data security assessment, discover and evaluate sensitive information and potential insider risks in the customer's organization.

Plan next steps on how to improve the customer's cyber and data security posture and how you can work together for future engagements.

Engagement Methodology



The engagement covers two commonly seen threat scenarios:

- Human-operated Ransomware
- Data Security risks from company insiders

Using the engagement tools, discover vulnerabilities within the customer's production environment across cloud, servers and endpoints.

The vulnerabilities and risks are analyzed and prioritized to show how prepared the customer's defenses are against the included threat scenarios.

Prepare detailed recommendations from the assessment to help the customer prioritize the improvements to their cybersecurity posture.

Objectives and Approach

Discover vulnerabilities

Gain visibility into vulnerabilities to the customer's Microsoft 365 cloud using Microsoft Secure Score.

Discover and analyze vulnerabilities to servers and endpoints using Microsoft Defender Vulnerability Management.

Explore and Evaluate sensitive information and potential insider risk

Gain visibility into sensitive information discovered by Microsoft Purview Information Protection.

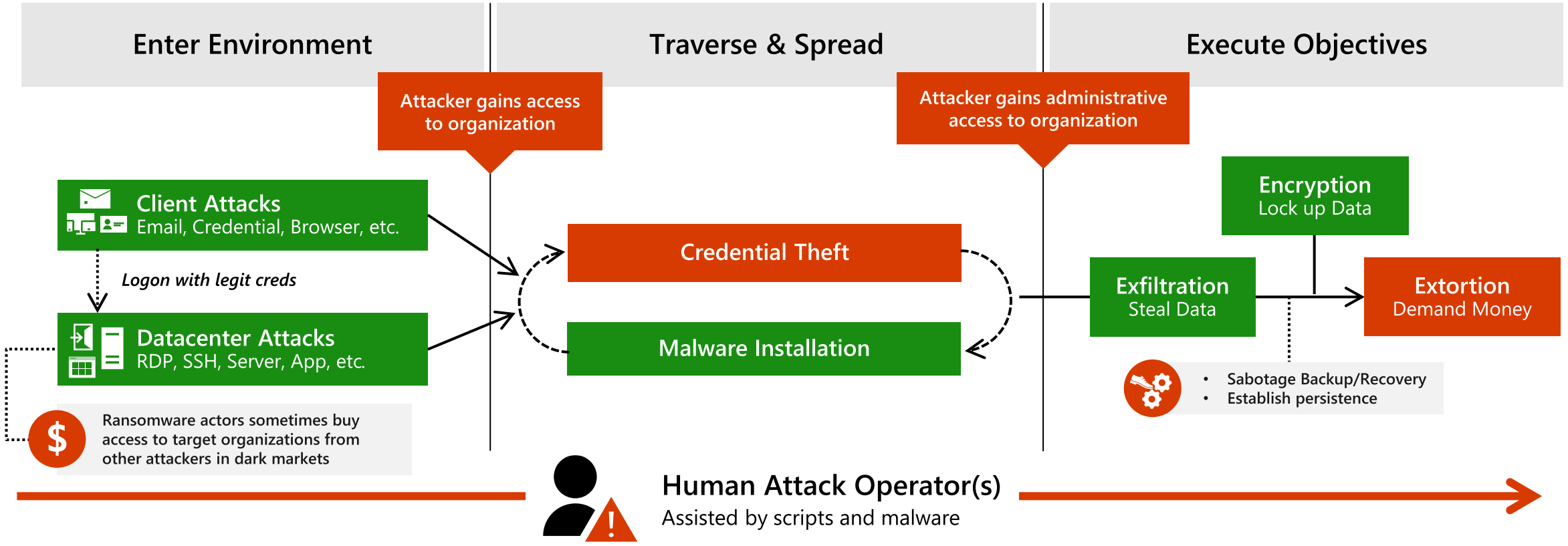
Explore potentially risky data handling activities identified by Microsoft Purview Insider Risk Management Analytics.

Define next steps

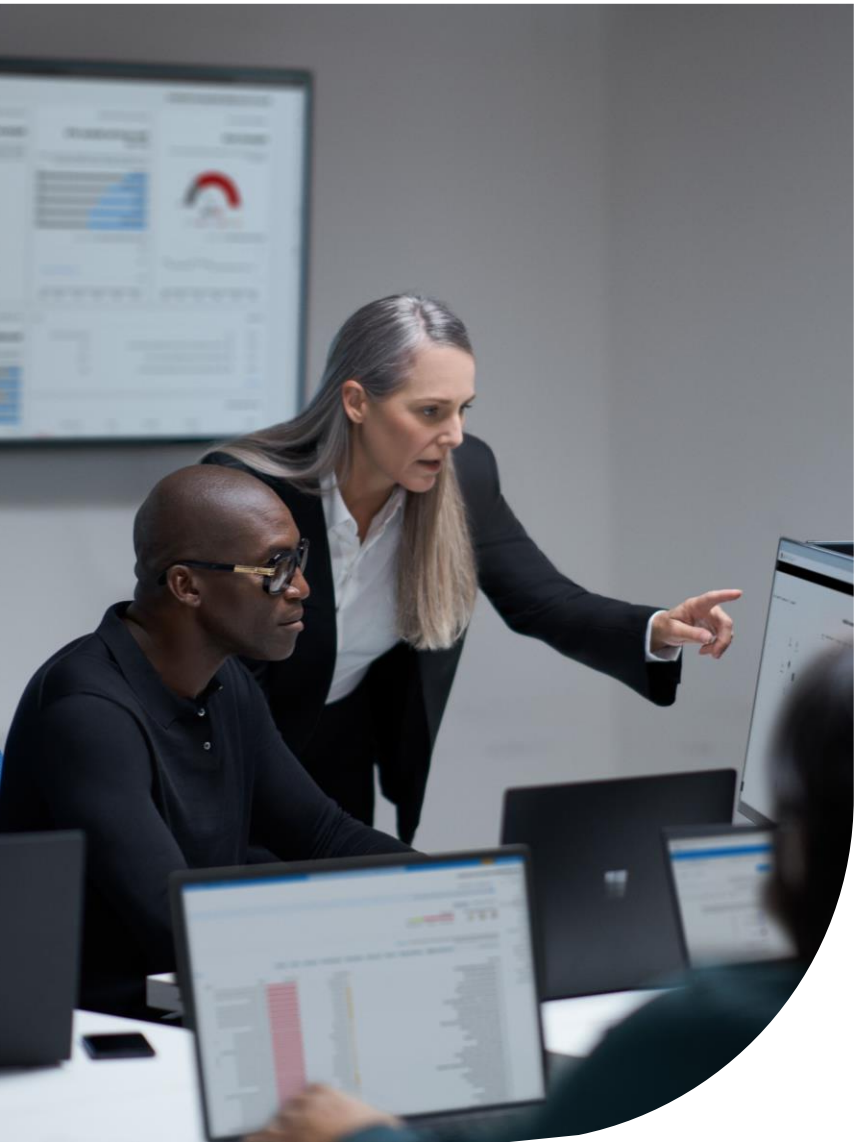
As part of the engagement, work together with the customer to define a list of next steps based on their needs, objectives, and results from the Cybersecurity Assessment.

Human-operated Ransomware Overview

Human-operated ransomware is the result of an **active attack** by cybercriminals that infiltrate an organization's on-premises or cloud IT infrastructure, elevate their privileges, and deploy ransomware to critical data.



Top data security concerns



Data security incidents are widespread

83% of organizations experience more than one data breach in their lifetime[1]

Malicious insiders account for 20% of data breaches, adding to costs

$15.4M Total average cost of activities to resolve insider threats over 12 month period[2]

Organizations are struggling with a fragmented solution landscape

80% of decision makers purchased multiple products to meet compliance and data protection needs[3]

1. Cost of a Data Breach Report 2022, IBM
2. Cost of Insider Threats Global Report 2022, Ponemon Institute
3. February 2022 survey of 200 US compliance decision-makers (n=100 599-999 employees, n=100 1000+ employees) commissioned by Microsoft with MDC Research

Data security incidents can happen anytime, anywhere

Data at risk of misuse if organization has no visibility into their data estate

1

User falls prey to phishing attack, compromises user credentials

Data compromise by external threat

2

User copies file to a USB, then uploads to a personal Dropbox

Data theft by malicious insider

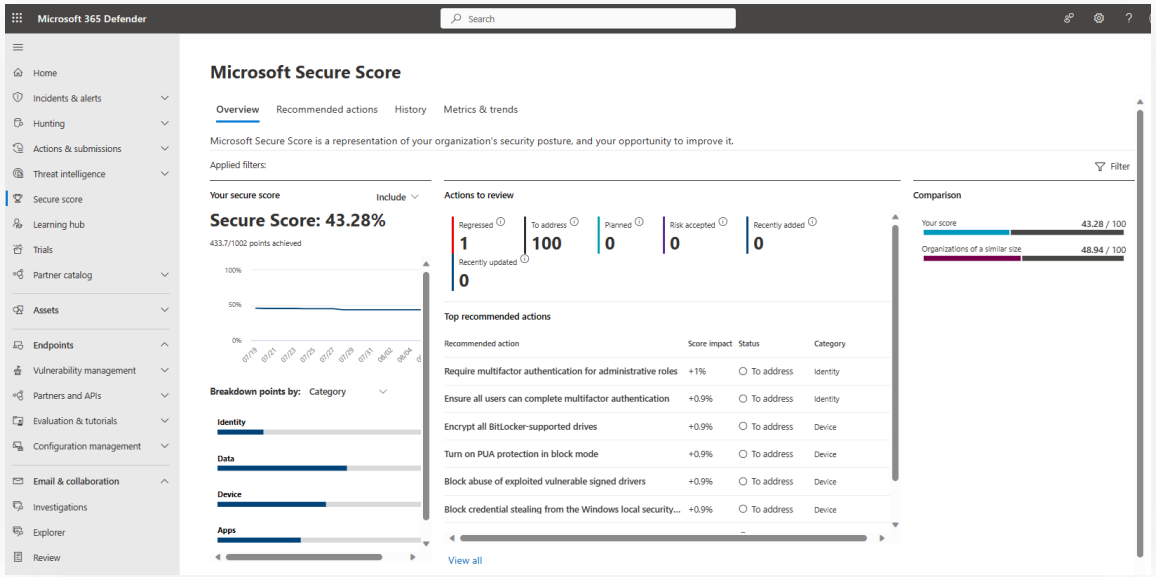
3

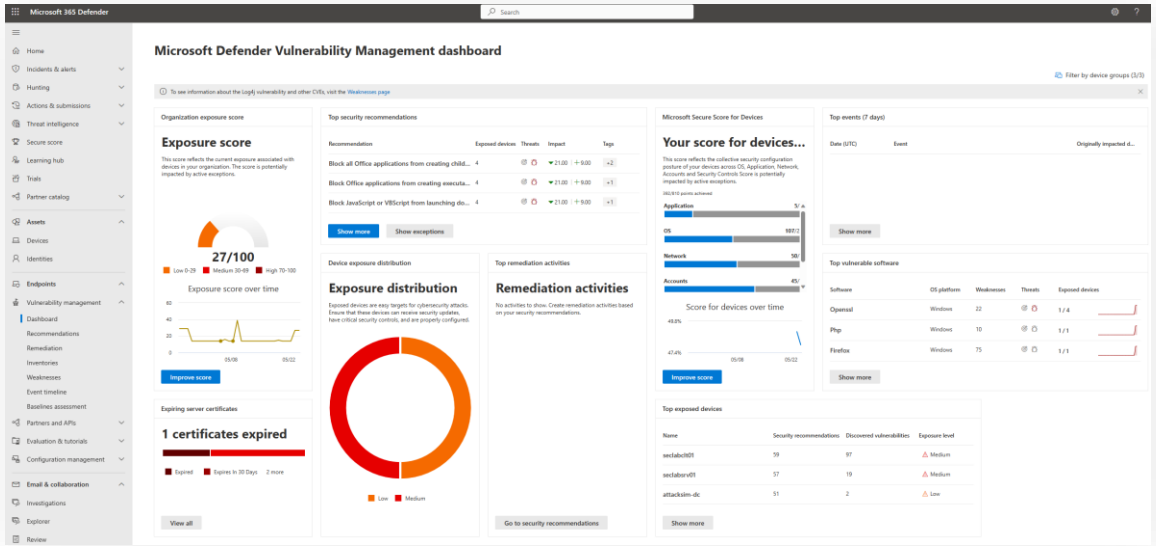
User inadvertently shares the file copy with a few colleagues

Data exposure by negligent insider

Vulnerabilities Exploration

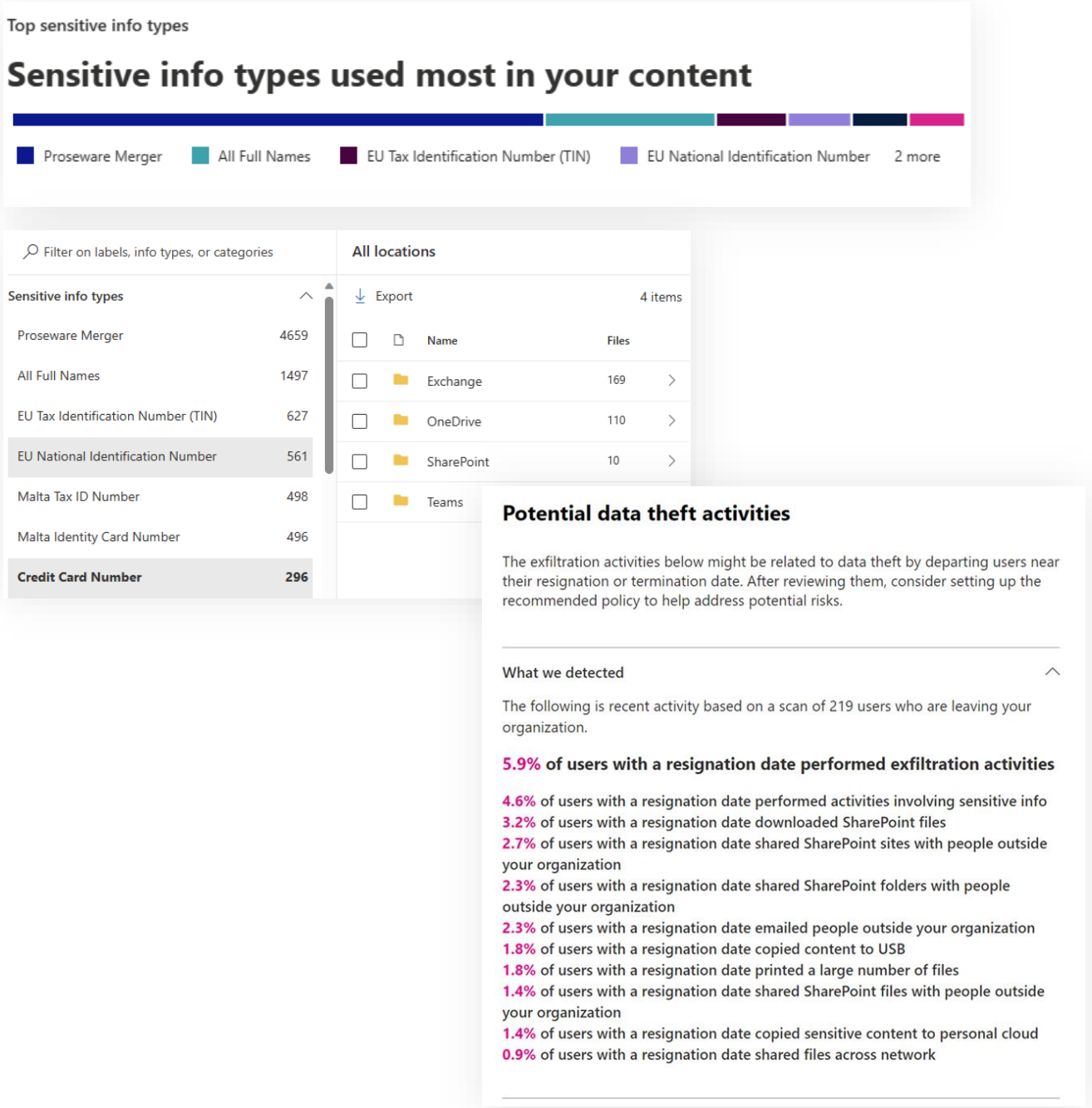
- Help the customer gain visibility into vulnerabilities in their cloud and on-premises environments obtained through Microsoft Secure Score and Microsoft Defender Vulnerability Management.
- Provide recommendations on:
  - How to discover and prioritize vulnerabilities and misconfigurations.





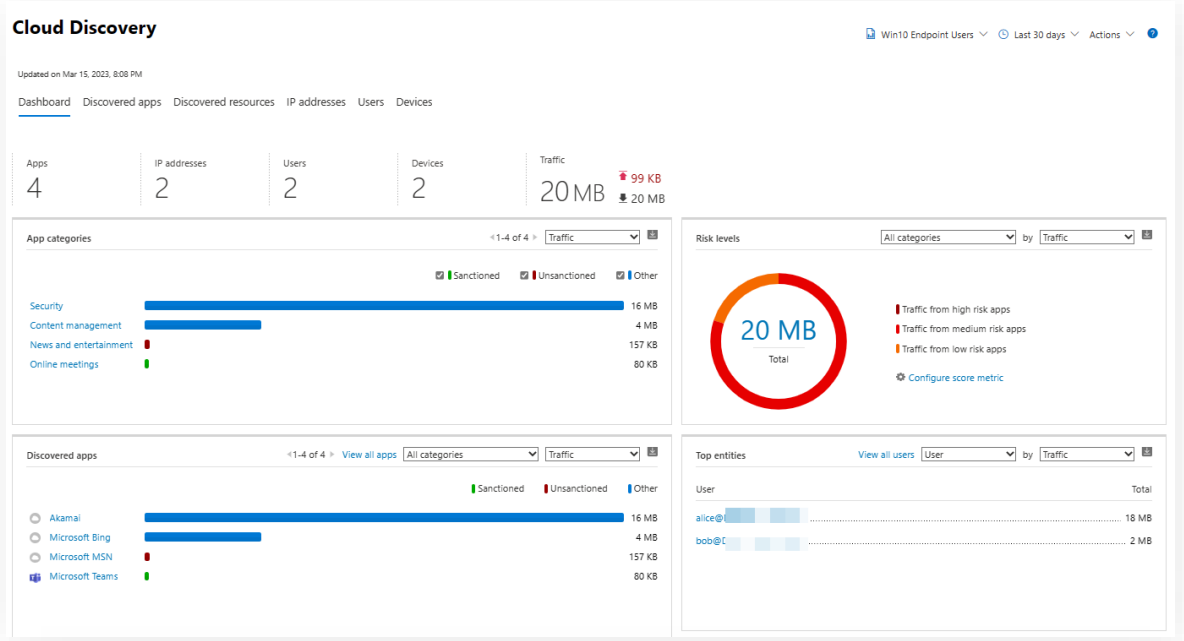
Data Security Exploration

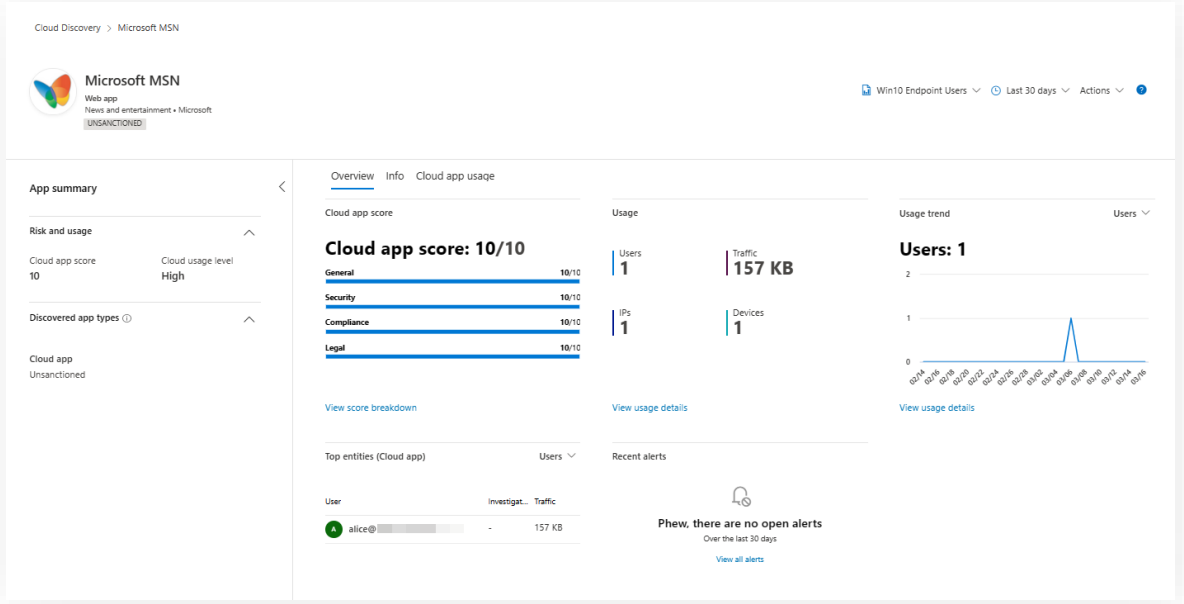
- Help the customer gain visibility into data security risks in their organization obtained through zero change management configurations.
- Provide snapshots of what sensitive information exists within the customer's Microsoft 365 environment
- Conduct an evaluation of potential insider risks in the customer's organization without configuring any insider risk policies.



Cloud Discovery Exploration - Optional

- Help the customer gain visibility into Shadow IT usage, identifying apps accessed by users across their organization using Microsoft Defender for Cloud Apps.
- Evaluate discovered apps for more than 90 risk indicators, allowing you to sort through the discovered apps and assess the customer's security and compliance posture.





After the Cybersecurity Assessment, the customer will…

- Better understand, prioritize, and address cybersecurity vulnerabilities and how to improve their defenses against human-operated ransomware.
- Better understand, prioritize, and address data security vulnerabilities and how to minimize data security risks from company insiders.
- Have defined next steps based on the engagement findings and their needs and objectives.

After the Cybersecurity Assessment, the customer will…

- Better understand, prioritize, and address cybersecurity vulnerabilities and how to improve their defenses against human-operated ransomware.
- Better understand, prioritize, and address data security vulnerabilities and how to minimize data security risks from company insiders.
- Have defined next steps based on the engagement findings and their needs and objectives.

Microsoft Security

CLOUDGUARD

Microsoft Solutions Partner
Security

Cybersecurity Assessment

For more information, please contact us at

www.cloudguard.ai
hello@cloudguard.ai
+44 (0)161 504 3313