

GDPR with Microsoft Office 365

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“GDPR is directly applicable in each member state and will lead to a greater degree of data protection harmonization across EU nations.”

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blog.atwork.at

Microsoft Partner

Gold Cloud Productivity
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Gold Data Platform
Gold Application Development
Gold Collaboration and Content
Gold Midmarket Solution Provider
Gold Small and Midmarket Cloud Solutions

Microsoft Cloud Solution Provider

atwork

We get you in the cloud!

atwork Austria, Vienna, founded 1999

atwork Germany, Nuernberg, founded 2015

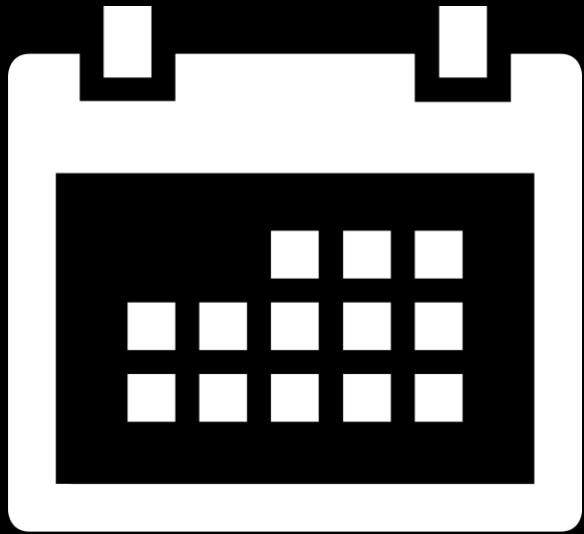
Consulting, Migrations, Collaboration,
Security, Apps, Software Development

 Office 365

 Microsoft Azure



Agenda



1

GDPR Fakten

2

Microsoft Cloud Services

3

Schritte zum Datenschutz

4

Microsoft GDPR Tools

5

Nächste Schritte

GDPR Fakten

GDPR = General Data Protection Regulation
(DSGVO = Datenschutz Grundverordnung)

GDPR definiert viele neue Regeln und Vorgaben für den Umgang mit personenbezogenen Daten in der EU

Rechtswirksam ab 25. Mai 2018

Enthält spürbare Strafen für “nicht konforme” Verstöße:
max. 20 Millionen Euro oder 4% des Organisations-Umsatzes

GDPR Fakten – Was bedeutet das?

Die Gesetze definieren, wie persönliche Daten geschützt werden müssen
(Daten von EU services & Bürgern, unabhängig wo sich diese in der Welt befinden)

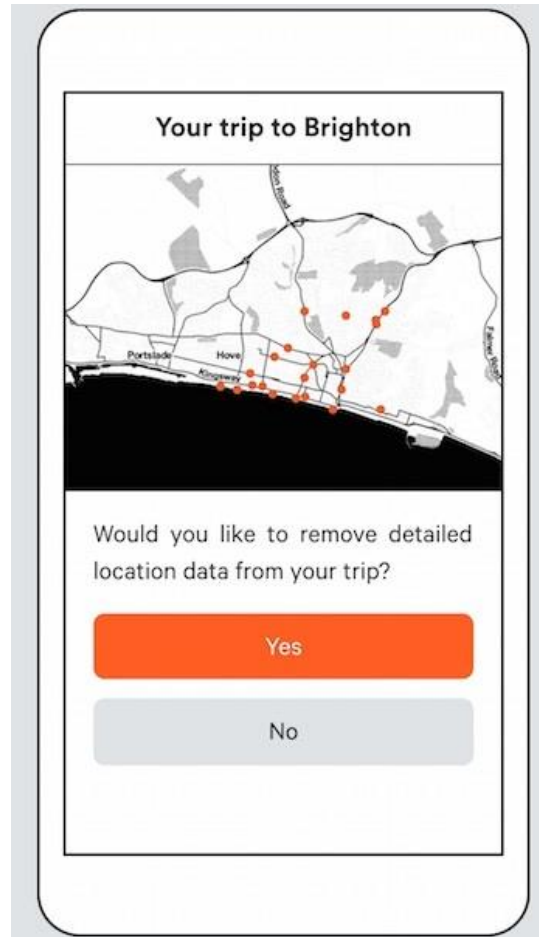
Sensitive, persönliche Daten müssen geschützt werden (Name, SVNr, etc.),
Maßnahmen müssen dokumentiert werden

Pers. Data-Data leakages müssen innerhalb von 72 Stunden gemeldet werden
(www.dsb.gv.at)

Es gilt die Rechenschaftspflicht des Verantwortlichen (inkl. öffentlicher Dienst)

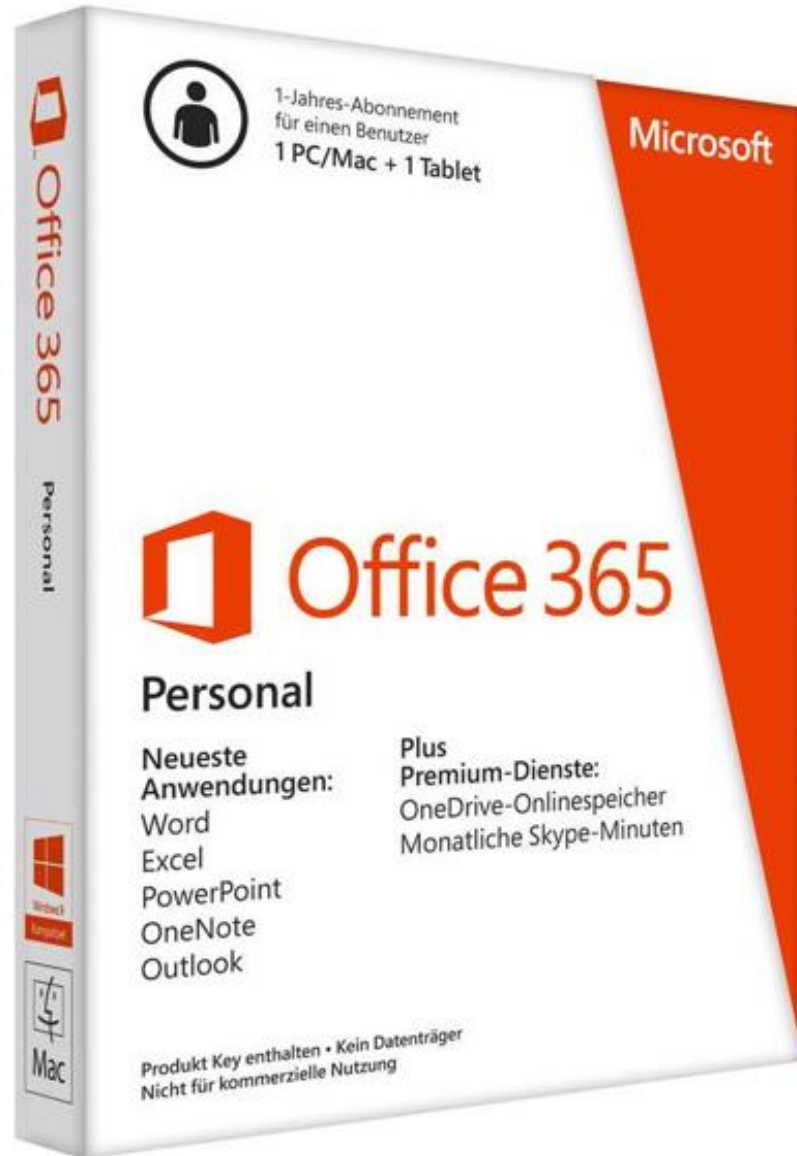
GDPR betrifft jede Organisation für EU Daten (Erleichterungen < 250 Mitarbeiter)

Beispiel: Benutzer sollen ihren „Daten löschen“ können



Source: <https://www.econsultancy.com/blog/69253-gdpr-10-examples-of-best-practice-ux-for-obtaining-marketing-consent>

GDPR und Microsoft ?



Microsoft

Microsoft Cloud Services

 bing

 skype™

 Microsoft Dynamics CRM

 Office 365

 OneDrive

 XBOX LIVE

 Outlook

Microsoft Azure



Microsoft Cloud Services

Artikel 5 Absatz 2 DSGVO fordert eine Rechenschaftspflicht...

Artikel 28 Absatz 1 der DSGVO verpflichtet den Auftraggeber (das Unternehmen) zu einer sorgfältigen Auswahl des Auftragsverarbeiters.

Darunter fällt z.B. die Prüfung, ob der Auftragsverarbeiter geeignete technische und organisatorische Maßnahmen implementiert hat, um einen ordnungsgemäßen, sicheren und reibungslosen Betrieb zu garantieren.

Microsoft Data Centers

See it...

Short version: https://youtu.be/zXsoygN_v7A

Long version: https://youtu.be/0uRR72b_qvc



40 Azure regions

Azure: The Trusted Cloud

More certifications than any other cloud provider

GLOBAL



ISO 27001



ISO 27018



ISO 27017



ISO 22301



SOC 1 Type 2



SOC 2 Type 2



SOC 3



CSA STAR
Self-Assessment



CSA STAR
Certification



CSA STAR
Attestation

US GOV



Moderate
JAB P-ATO



High
JAB P-ATO



DoD DISA
SRG Level 2



DoD DISA
SRG Level 4



DoD DISA
SRG Level 5



SP 800-171



FIPS 140-2



Section 508
VPAT



ITAR



CJIS



IRS 1075

INDUSTRY



PCI DSS
Level 1



CDSA



MPAA



FACT UK



Shared
Assessments



FISC Japan



HIPAA /
HITECH Act



HITRUST



GxP
21 CFR Part 11



MARS-E



IG Toolkit UK



FERPA



GLBA



FFIEC

REGIONAL



Argentina
PDPA



EU
Model Clauses



UK
G-Cloud



China
DJCP



China
GB 18030



China
TRUCS



Singapore
MTCS



Australia
IRAP/CCSL



New Zealand
GCIO



Japan My
Number Act



ENISA
IAF



Japan CS
Mark Gold



Spain
ENS



Spain
DPA



India
MeitY



Canada
Privacy Laws



Privacy
Shield



Germany IT
Grundschutz
workbook

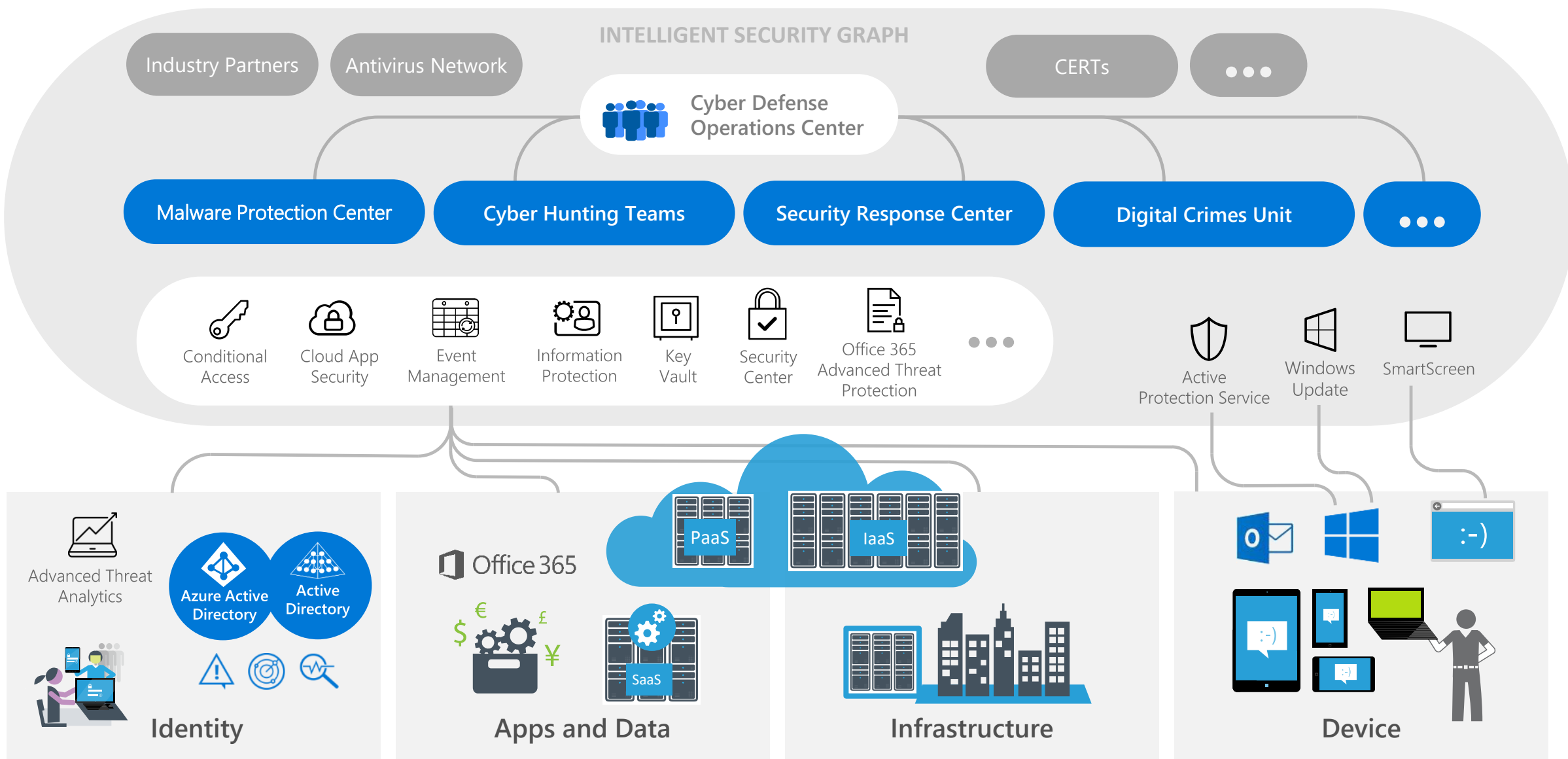
90%

Of the Fortune 500 use Microsoft Cloud



How Microsoft is protecting data

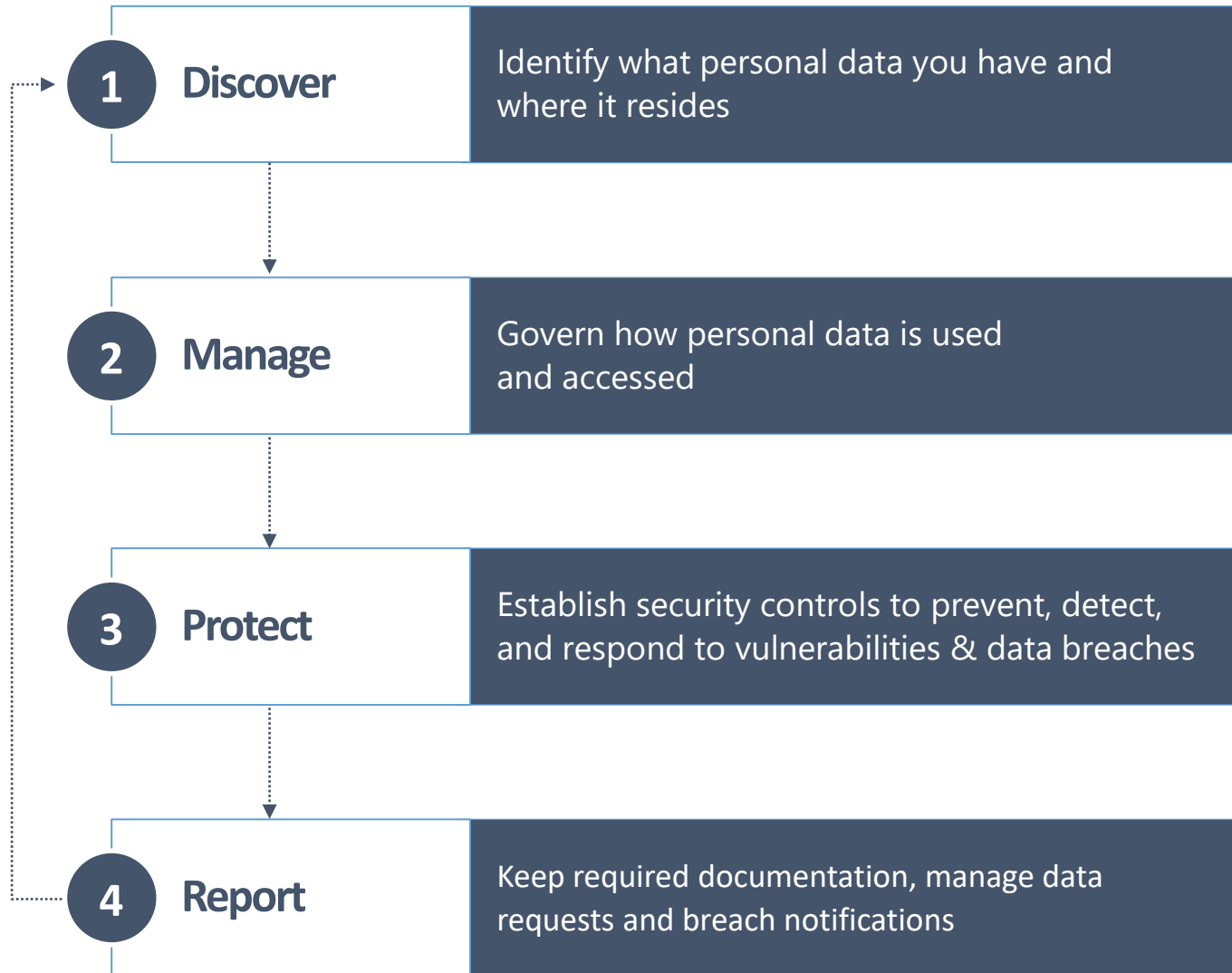
Protecting the Microsoft Cloud



Microsoft Office 365

Login mit MFA

The Approach for GDPR activities



What are the key changes to address the GDPR?



Personal privacy

Individuals have the right to:

- Access their personal data
- Correct errors in their personal data
- Erase their personal data
- Object to processing of their personal data
- Export personal data



Controls and notifications

Organizations will need to:

- Protect personal data using appropriate security
- Notify authorities of personal data breaches
- Obtain appropriate consents for processing data
- Keep records detailing data processing



Transparent policies

Organizations are required to:

- Provide clear notice of data collection
- Outline processing purposes and use cases
- Define data retention and deletion policies



IT and training

Organizations will need:

- Train privacy personnel & employee
- Audit and update data policies
- Employ a Data Protection Officer (if required)
- Create & manage compliant vendor contracts

1. Discover

- Cloud App Security (Detect Apps in your organization)
- Data Loss Prevention (Policies prevents data to leave the organization)
- E-Discovery (Data leakage, legal cases, search)
- Advanced Data Governance (Sum of services as Data classification, Azure Information Protection, Retention Policies & Litigation Hold)

Dashboard - Microsoft

← → ↺

https://contosobuild.portal.cloudappsecurity.com/#/dashboard

☰ ☆ ⚙ ? 👤

Microsoft

Cloud App Security

Discover Investigate Control Alerts 12

Get started with Cloud App Security

Create a Cloud Discovery report Connect apps Create policies Learn more

! General dashboard

View dashboard for a specific app

Microsoft OneDrive for Business

Microsoft SharePoint Online

Office 365

Google Apps

Microsoft Exchange Online

Dropbox

Box

Microsoft Cloud App Security

SuccessFactors

Salesforce

Jive Software

Microsoft Office 365 admin center

Microsoft Office Online

Microsoft Skype for Business

General dashboard

⚡ 114.4M activities monitored

📄 203 files monitored

👤 3.1K users monitored

🔍 518 discovered apps (last 30 days)

🔗 2.6K governance actions taken

✉ 0 user notifications sent

3 Open alerts

New over the last month

RECENT ALERTS

! Salesforce zombie account

northrup@contoso.com

Salesforce

13 days ago

! Suspicious Activity

dennis@contoso.com

Google Apps

13 days ago

! General Anomaly Detection

ricky@contoso.com

2 services

13 days ago

View all alerts in the last month...

BY SEVERITY

1 High

BY ALERT TYPE

2 Custom

Top 3 alert types

1 Suspicious activity alert

1 Suspicious activity alert

1 Inactive account

Ask me anything

Dashboard - Micro...

📁 🏠

🔊 🔌 🔍

Cloud Discovery - Micrc

+

← → ↺

https://contosobuild..portal.cloudappsecurity.com/#/discovery?tab=dashboard&timeframe=90&streamId=57d1d348110aa3d6379fef17

📖 ☆ ☰ 📏 🔔 ⋮

Cloud App Security

Discover ▾ Investigate ▾ Control ▾ Alerts 12

🔍 ⚙️ ? 👤 🏠 Microsoft

🔗 Cloud Discovery

🔗 Continuous report Global ▾ Timeframe Last 90 days ▾ ⋮

Dashboard Discovered apps IP addresses Users

Updated on Sep 15, 2016

Apps

518

Users

1299

IP addresses

2540

Traffic

52.5GB

📶 9.4 GB

📡 43.1 GB

Cloud Discovery open alerts

+ Create policy

0 Cloud Discovery alerts

1 Suspicious use alerts

App categories

◀ 1-5 of 35 ▶

Traffic ▾

📎

☒ Sanctioned

☒ Unsanctioned

☒ Other

CRM

9.3 GB

IT services

8.6 GB

Webmail

8.1 GB

Cloud storage

7.0 GB

Online meetings

6.9 GB

Risk levels

All categories ▾

by Traffic ▾

📎

168 KB

high risk

📶 Traffic from high risk apps

📡 Traffic from medium risk apps

📢 Traffic from low risk apps

⚙️ Configure score metric

Discovered apps

◀ 1-15 of 518 ▶

View all apps

All categories ▾

Traffic ▾

📎

☒ Sanctioned

☒ Unsanctioned

☒ Other

Top users | Top IP addresses

View all users

Traffic ▾

📎

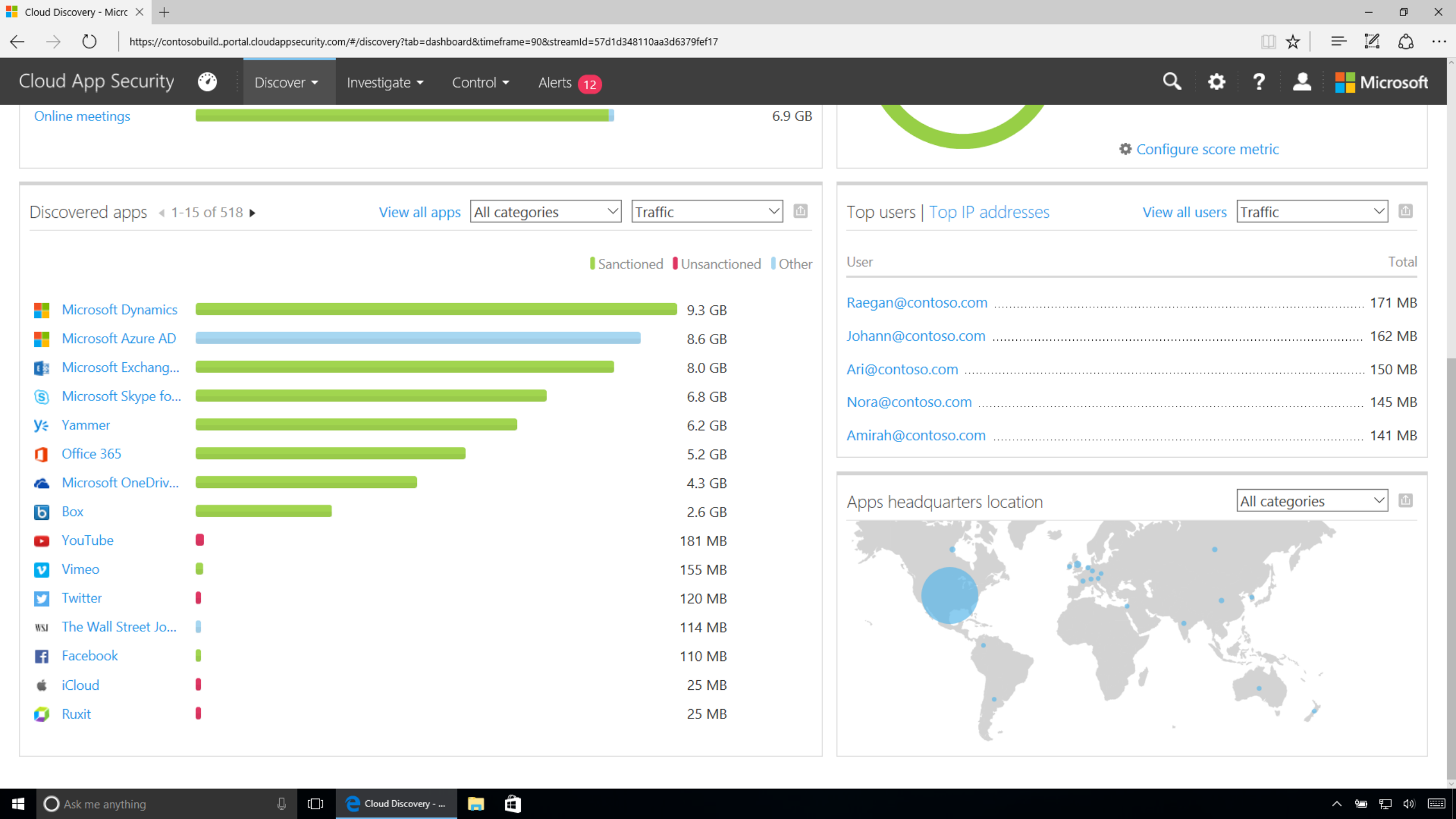
User

Total

🏠 🗂️ 📁 📌

Cloud Discovery - ...

⬆️ 🔊 🔌 🖨️



Policies

TYPE

SEVERITY

NAME

CATEGORY

Advanced

Select type...

Policy name...

Select risk category...

1 - 19 of 19 Policies

Create policy

Report	Count	Severity	Category		
PCI COMPLIANCE: Publicly shared files with credit card info This policy identifies files containing credit card numbers and are publicly shared. After reviewing the results, you can take action and remove sharing from these files.	2 matches		Compliance		
File shared with unauthorized domain Alert when a file is shared with an unauthorized domain (such as your competitor).	0 matches		Sharing control		Mar 31, 2016
New popular app Alert when new apps are discovered that are used by more than 500 users.	0 open alerts		Cloud Discovery		Apr 20, 2016
Google Drive files are accessible through web search results Alert when a Google Drive file is accessible through web search results, and notify the file owner.	0 matches		Sharing control		Apr 28, 2016
Cloud storage app compliance check Alert when new cloud storage apps are discovered that are not compliant with SOC2, SSAE 16, ISAE	0 open alerts		Cloud Discovery		May 1, 2016

Activity policy

Anomaly detection policy

App discovery policy

Cloud Discovery anomaly detection policy

File policy

2. Manage

- Azure Information Protection
- Advanced Data Governance

Azure Information Protection

Demo: Integration in Microsoft Office, Outlook, weitere Clients folgen...

CUSTOMER DATA VALIDATION

This section contains customer information that needs validation for the fiscal year-end review.

This will feed into the database for next year's marketing campaigns.

Customer ID	SSN
CST20215	245-45-1213
CST20216	245-45-1214
CST20217	245-45-1215
CST20255	245-45-1216
CST20256	245-45-1217
CST20257	245-45-1218
CST20258	245-45-1219
CST20322	245-45-1220



1

1

 Select ▾

➤



This will feed into the database for next year's marketing campaigns.

विवा

Built-in or custom Encryption

dependent on the service and data

Connect      

 Database Diagrams

System Tables

External Tables

 GraphTables

  `dbo.AdministratorDefaultSettings`

  **dbo.AdministratorDomains**

 dbo.AdministratorGroups

 dbo.AdministratorLicense

  **dbo.AdministratorOUs**

  **dbo.Administrators**

  **dbo.Contact**

 dbo.ContactOUMapping

 dbo.CustomUserView

 dbo.DifferentialQuery

 dbo.DistributionGroups

 dbo.DistributionGroupsOUMapping

 dbo.Domains

 dbo.DynamicGroups

 dbo.DynamicGroupsOUMapping

 dbo.Groups

 dbo.LicenseDisplayNameMapping

  **dbo.LicenseNameMappings**

+ **dbo**.LicenseOrders

 dbo.LicenseReached

 dbo.Notification

 dbo.OperationsLog

 dbo.OrganizationalU

  **dbo.OrganizationalUnits**

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```

/***** Script for SelectTopNRows command from SSMS *****/

```

```
SELECT TOP (1000) [PropertyId]
, [PropertyDescription]
, [PropertyJson]
FROM [dbo].[Properties]
```

100 %

Results Messages

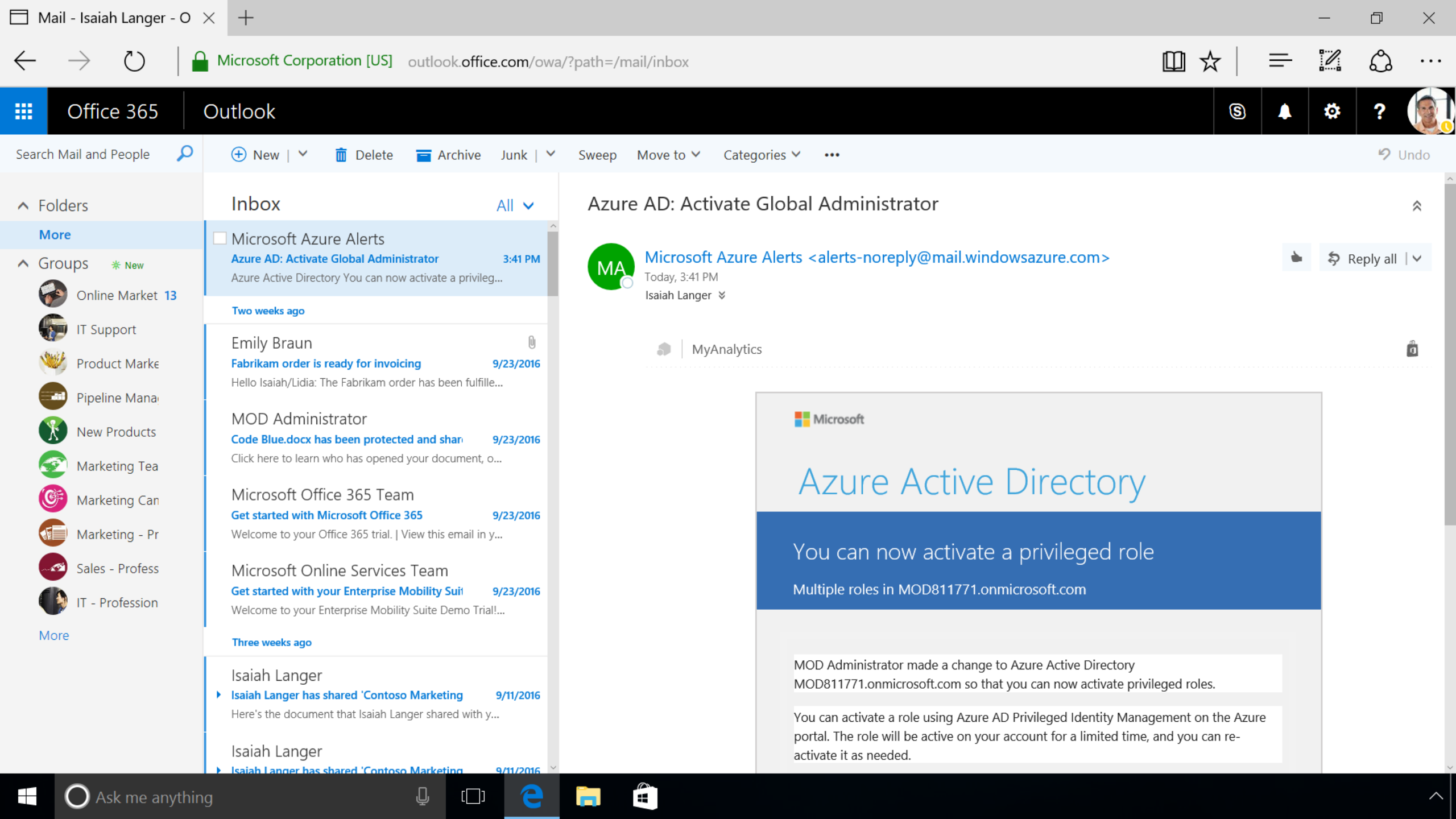
	PropertyId	PropertyDescription	PropertyJson
1	1	Company information	AeyJgkHGZhZCdVRc1sIkNMYb7V8Pjph1WJ...DSk64pp/U...
2	2	ExchangeCredentials	2GzCLfKAHVdZyZv6GfipkzH...GfjY...ZSa...hymcKCAFYls...
3	3	FederationConfiguration	/Plk8GRmKqepLD33+5Kkqa2q...g5IVAY7bn1Px3UeLXH2k...
4	4	ServicePrincipalCredentials	75RLQrJzrHRGPb+5P...YMMX...r9scwKzNmstPeh/ALvZ4Wr...
5	5	InitialConfigurationPassword	+AxICUf/jT5oEwZ...3...Nb...S9odTPXWonBQ+PEY3Bi0=
6	6	SmtpClientConfiguration	a4C/dZt++sJ...K...2...REXkXs7p9kn2YabGylt+/dN5Zfo1f6bpW...
7	7	TwilioConfiguration	xzNnO...v...O...EO5YdcPv66kSja3WX0uSjpbKEJDa8g7pwyRt...
8	8	UserSyncConfiguration	K...0B...RYE...ymG...BMVwuiE3ykg+oMVPxTxC&DUm5pXq2wDz62iy...
9	9	SetupConfiguration	ZJ...2Ni59hbvNUUvPvpekuBeGr3K1l85oxZzkjVRul43tPF8CC7...
10	10	ExchangeHealth	CCYDXod+TyzLMx268e8nx+ls7l1hqAZdeiGSFRHlyc3P65I4QYU3...

✔ Query executed successfully.

tcp:	server1.database....	sqladmin (166)	demo11335	00:00:00	10 rows
------	----------------------	----------------	-----------	----------	---------

3. Protect

- Microsoft Intune (MDM – Device + MAM Apps, portal.azure.com)
- Azure Active Directory Premium (MFA, Privileged Identity Management, Identity Protection)
- Advanced Threat Protection (Spam-Sandbox, Phishing mails, Zero-Day Exploits)
- Threat Intelligence (ML, Secure & Compliance Dashboard, protection.microsoft.com)



4. Report

- Security and Compliance Center (securescore.office.com)
- Azure Auditing and Logging
- Azure Information Protection
- Office 365 audit (Data Download – Security & protection)
- Customer Lockbox (Support)



Home

[Customize](#)

Threat management



We understand the importance of keeping your data safe and secure. That's why we provide tools to help you understand and investigate cyber-threats and take action to protect your organization from them.

- [View quarantine](#)
- [New spam policy](#)

What's new

MFA for SCC PowerShell
Advanced eDiscovery update
Dynamic Delivery for safe attach...
[More...](#)

Office 365 Secure Score



288

(424)
Secure Score gives you a new way to increase security.

[Go to Secure Score](#)

Data governance



It's your data. You own it. So we've developed features that let you take charge of how and when it is stored, used, and retained or removed.

[Learn more about data management](#)

- [Import data into Office 365](#)
- [Add a retention policy](#)
- [Enable extra storage](#)

Search for users

Search for users



Recommended for you

Explore threats

Office 365 blocked 2 attacks in your organization over the past 7 days.

	Toni Pohl	2
	Doris Schlaffer	1
	Info from atwork Deutsc...	1
	Martina Grom	1

[Investigate top targeted users](#)

Search for activity



Search the audit log to find out what your users and admins have been doing. Here's one you can try now...

[Were any SharePoint sites created recently?](#)

Secure | <https://seurescore.office.com/#!/dashboard>

Office 365 | Secure Score

Dashboard | Score Analyzer

Fell Swoop's Secure Score

Your Secure Score is:

248

of 483

Take action see how you can improve your score today

0

MAY 21 2016 12:10 AM

248

* Memor esto itaque unde exideris: et age poenitentiam, et prima

Your Secure Score

Secure Score figures out what Office 365 services you are using, then looks at your configuration and behaviors and compares it to a baseline asserted by Microsoft. If your configuration and behaviors are in line with best practices, you will get points, which you can track over time. More importantly, you will be able to quick determine what things you can do to reduce their risk

Feedback

Resources

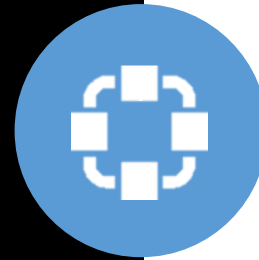
- Microsoft Office 365 Service description
<https://technet.microsoft.com/en-us/library/office-365-service-descriptions.aspx>
- Microsoft GDPR assessment tool
<https://www.microsoftpartnercommunity.com/t5/Security-and-Compliance/GDPR-Assessment-Tools/m-p/2137>
- GDPR Benchmark
<https://www.gdprbenchmark.com>
- Secure Score
<https://seurescore.office.com>
- Security & Compliance
<https://protection.office.com>
- atwork Security Workshop
<http://securityworkshop.atwork-it.com>
- Nachlese zum GDPR Workshop mit atwork, Microsoft und Grant Thornton
<http://blog.atwork.at/post/2017/09/07/GDPR-Workshop-atwork-Microsoft-Thornton>
- Microsoft Data Centers
Short version: https://youtu.be/zXsoygN_v7A
Long version (10min): https://youtu.be/0uRR72b_qvc

Key Take Aways



Klassifizieren Sie Ihre Daten

Starten Sie jetzt!



Sicherheit

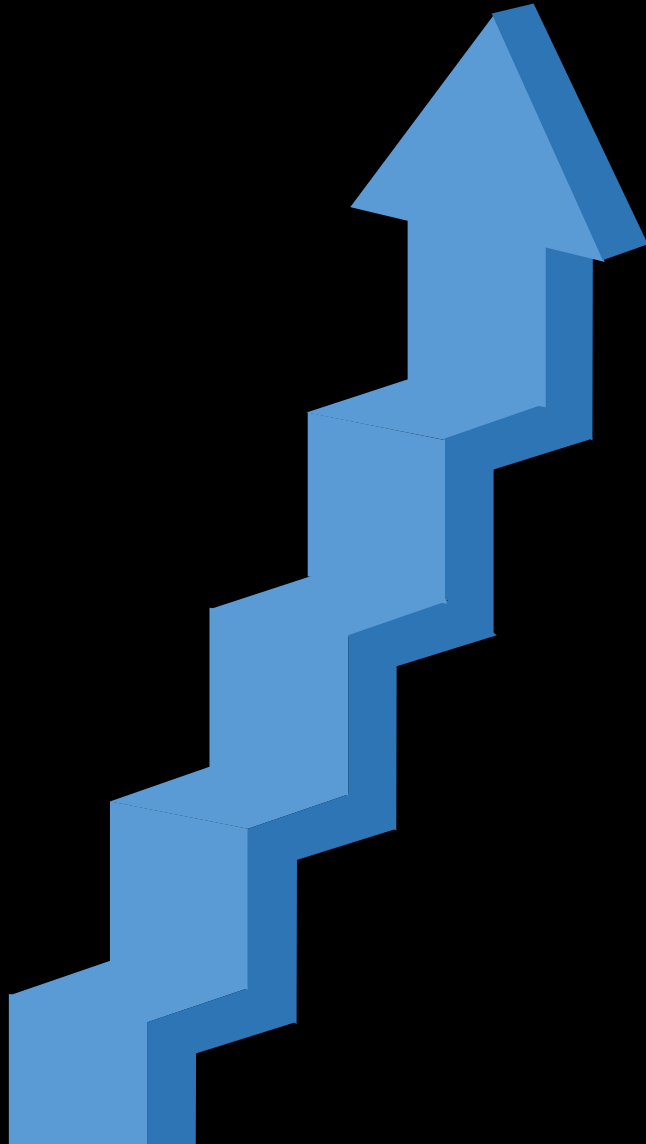
Microsoft Cloud Services sind die Basis für den sicheren Betrieb von Daten in der Cloud.



Basis

Office 365 und Azure liefern die Voraussetzungen, um den GDPR Richtlinien zu entsprechen.

Plan next steps



Planen Sie GDPR Maßnahmen mit Ihren Schlüsselpersonen

Datenschutzbeauftragte
Technisches Personal
Schulungsmaßnahmen für alle Anwender



Erfahren Sie mehr im
Security Workshop von atwork

www.atwork.at

Danke!

Q&A...

