

A photograph of a modern, multi-story office building at night. The building has a dark, textured facade with large windows. The 'mj flood' logo is prominently displayed on the upper part of the building. A purple semi-transparent banner is overlaid across the middle of the image, containing the text 'Journey to the Cloud'. In the bottom left corner, the 'mj flood technology' logo is visible. In the bottom right corner, contact information for Donal Clissmann is provided.

...mj flood

Journey to the Cloud

...mj flood
technology

Donal Clissmann | Solutions Architect
MJ Flood Technology | dclissmann@mjf.ie

A little about MJFT

- Part of the MJ Flood Group
- 130+ employees
- 8 Regional Offices
- €50m+ Turnover in 2015
- 400k+ Supported O365 Users

BORD NA MÓNA



St. Vincent's
Healthcare
GROUP LIMITED



Banc Ceannais na hÉireann
Central Bank of Ireland
Eurosystem



NUI Galway
OÉ Gaillimh



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

mj flood
technology

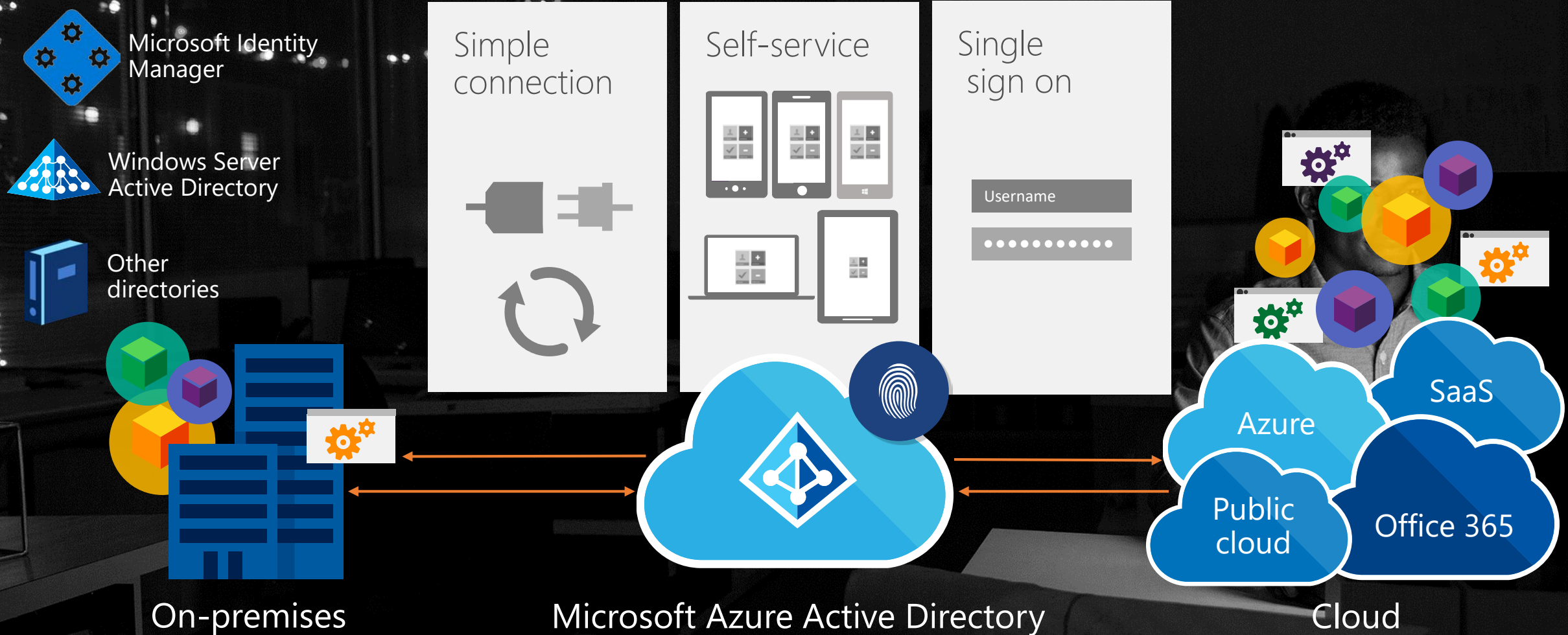




**CHANGE
AHEAD**

Identity as the Control Plane*

*Security Centered on Identity



Microsoft Hybrid Identity

- Unify your environment
- Enable end users
- Protect your data

I can request access to resources and applications.

I can edit my profile details to update and add missing information

I can sign in to all the applications I need with just one password.

I can change or reset my own password without needing to call the service desk

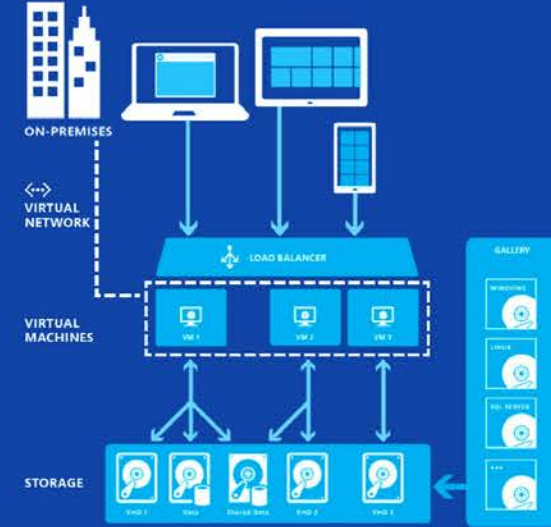
I get a familiar, personalised interface for things I need to do.

I can manage my own groups for security or email

I can get new team members up and running—with the right access—right when they start.

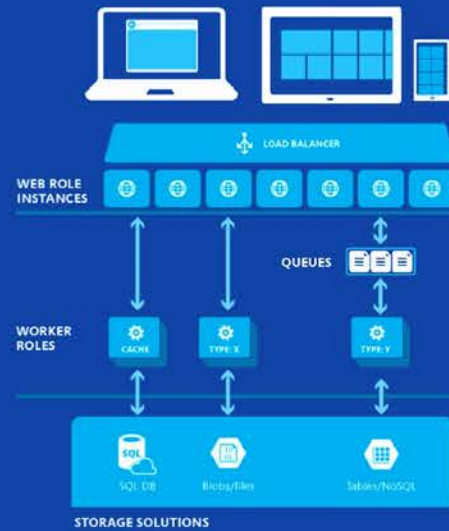
Virtual Machines

VMs are basic cloud building blocks. Get full control over a virtual machine with virtual hard disks, install and run software yourself. Configure multiple machines with different roles to create complex solutions. VMs are nearly identical to conventional (real) servers, and are the easiest way to move existing workloads to the cloud.



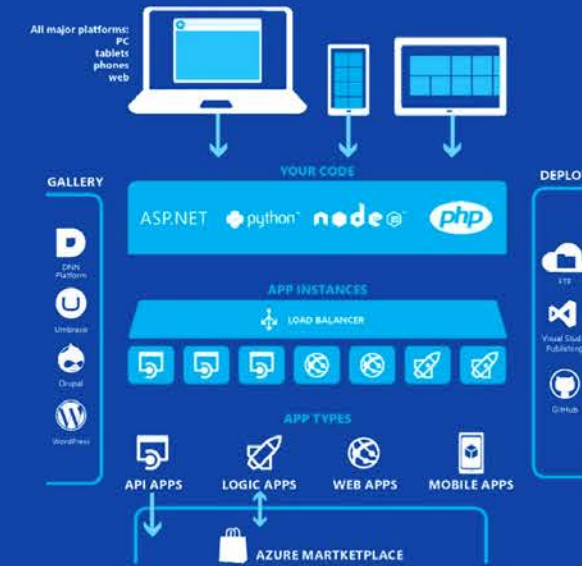
Cloud Services

Easily access and manage these general-purpose VMs. We maintain and update each VM as needed with system updates. You configure the VM size as needed, and scale out as many copies as needed. Two types of VMs: worker roles and web role—worker roles are made for computing and running services. The web role is simply a worker role with its already installed and configured.



App Service

Azure App Service is a high productivity solution for developers who need to create enterprise-grade web and mobile app experiences. App Service provides a complete platform as a service solution that enables you to deploy and elastically scale applications in the cloud, and seamlessly integrate them with on-premises resources and SaaS-based applications.



Azure Services

Over 250 Lego Blocks

Catalog of Services

COMPUTE

Virtual Machines Get full control over a server in the cloud and maintain it as your business requires.	Cloud Services Managed virtual machines with stateless web and worker roles.	Service Fabric Build highly scalable, reliable stateless and stateful applications composed of microservices.	Batch For running large-scale parallel and high-performance computing (HPC) applications.	Scheduler Create jobs that run reliably on a simple or complex schedule to invoke any type of service.	Remote App Access Windows apps from any device and any location that run within Remote App VMs.
-------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------

NETWORKING

Virtual Network Provision and manage VMs in Azure and securely link to your on-premises IT infrastructure.	Express Route Connect on-premises and cloud datacenters directly through dedicated, non-internet lines.	Traffic Manager Load-balance incoming global traffic across multiple services running in multiple datacenters.
----------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------

IDENTITY & ACCESS

Active Directory Identity and access management for cloud applications and ability to link to on-premises Server AD.	Multi-Factor Authentication Safeguard access to data and apps with additional physical layer of security control.
--------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------

MEDIA & CDN

Media Services Range of services that support video on-demand and live streaming workflows.	CDN Cache content for your apps in Content Delivery Network (CDN) at 100's of edge locations to improve user experiences.
-------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------

WEB & MOBILE

Web Apps Managed web platform, get started for free and scale as you go using many tools/languages.	Mobile Apps Add backend capabilities to mobile apps, with native client support on most device platforms.	API Apps Create and surface your app logic in APIs for other services and apps to consume.	Logic Apps Build/recreate business processes by linking your own custom APIs with an API Gallery/Marketplace.	API Management Publish and manage APIs to developers, partners and employees securely and at scale.	Notification Hubs Deliver millions of cross-platform push notifications from any application backend, anywhere.
---------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------

ANALYTICS

HDInsight Big Data (based on Apache Hadoop) analytics that integrate easily with Microsoft Office.	Machine Learning Mine historical data with compute power to predict future trends or behavior.	Stream Analytics Process data streams in real-time to discover and react to trends.	Data Factory Ingest data from multiple sources to combine into a cloud-based data warehouse.	Event Hubs Ingest, persist, process millions of events per second from millions of devices.	Mobile Engagement Real-time actionable analytics on user behavior to increase app usage.
--------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------

STORAGE & BACKUP

Storage Blobs & Files Store binary application data and web content—store for dedicated and shared virtual disks for VMs.	Backup Managed service that handles backup/recovery of Windows Server machines/Backup agent.	Import/Export For massive data transfer—ship encrypted disks to move data in/out of blob storage.	Site Recovery Coordinate replication and recovery of System Center private clouds.	StorSimple Automated, policy-driven solution to extend on-premises primary storage for backup and disaster recovery.
-----------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------

DATA

SQL Database Managed relational database service with high availability and selectable performance levels.	DocumentDB Store/retrieve millions of JSON objects from a highly scalable NoSQL document database.	Redis Cache Make applications scale and be more responsive under load by keeping data closer to app logic.	Search Managed, scalable search service for your apps. Create tunable search results and ranking models.	Tables Massively scale for semi-structured log/event-type data in this schema-less NoSQL store.
----------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------

DEVELOPER SERVICES

Visual Studio Online Store code, plan and track projects, build, deploy and test apps in the cloud collaboratively.	Application Insights Analyze app usage, availability and performance to detect issues and solve problems proactively.
-------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------

HYBRID INTEGRATION

Storage Queues Simple message queue for application decoupling/architecture for scale out.	BizTalk Services Build EDI and Enterprise App integration (EAI) solutions in the cloud.	Hybrid Connections Connect apps in Azure with on-premises resources without a VPN or dedicated line.	Service Bus Messaging capabilities (pub/sub, queues) and on-premises to cloud connectivity solution.
------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------

MANAGEMENT

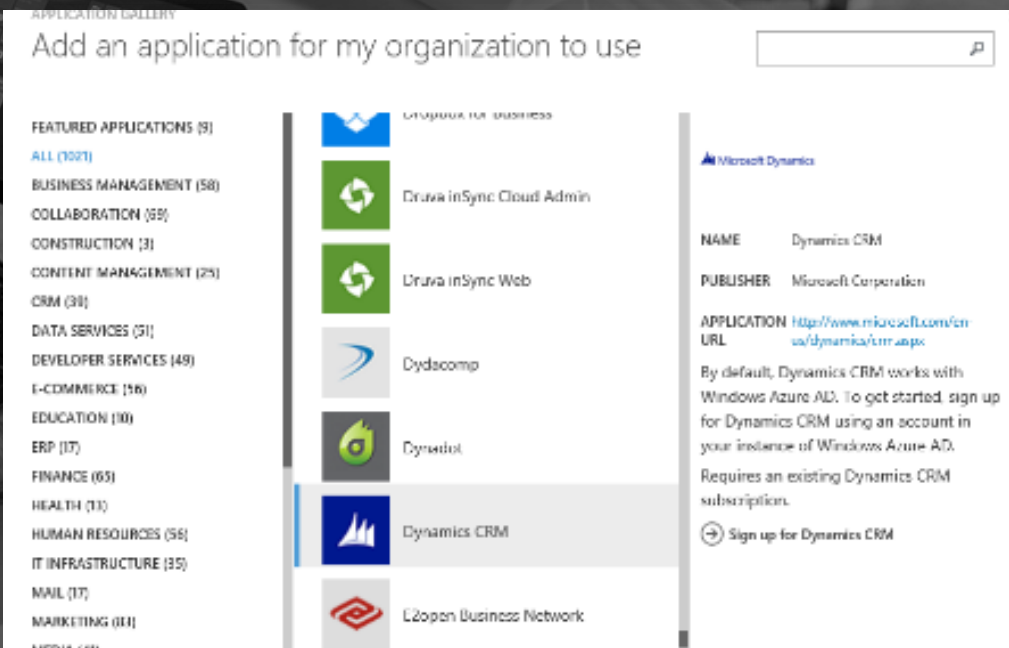
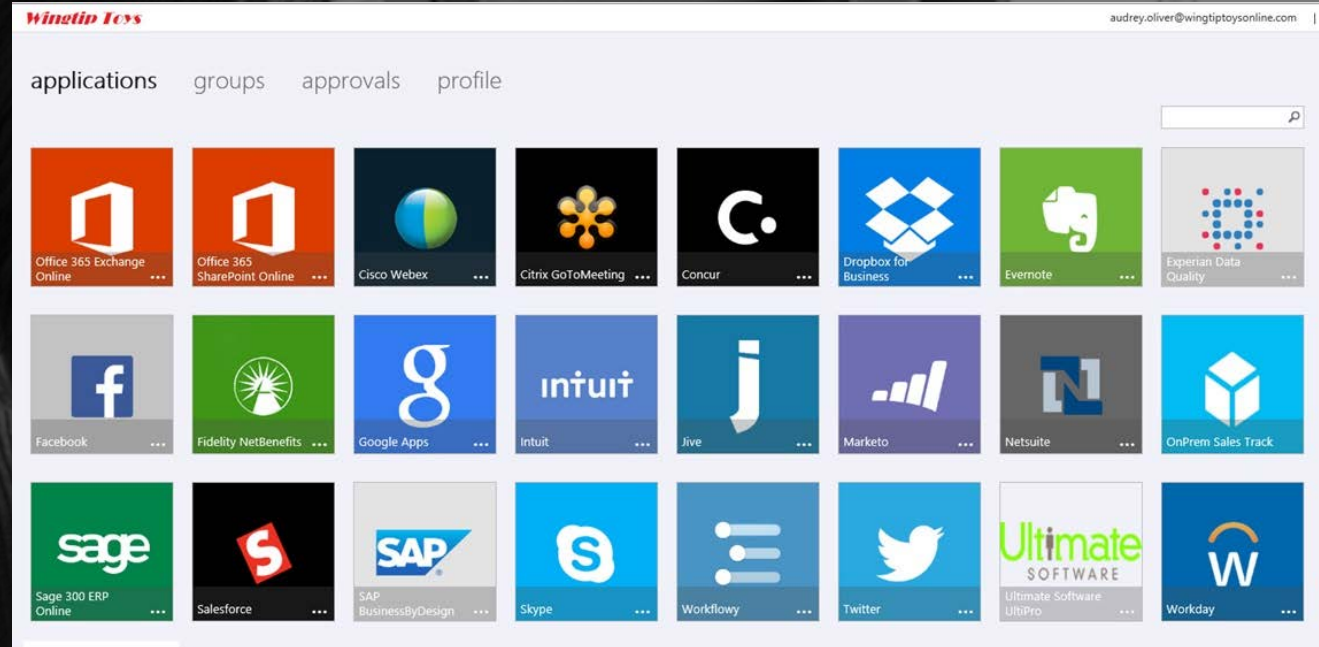
Automation Run durable PowerShell scripts to automate frequent, long-running, complex Azure tasks.	Portal Web-based experience to provision, control and monitor all Azure services.	Key Vault Safeguard and control keys and secrets in cloud-scale hardware security modules.	Operational Insights Analyze and troubleshoot on-premises IT infrastructure without using instrumented code.
--------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------

COMMERCE

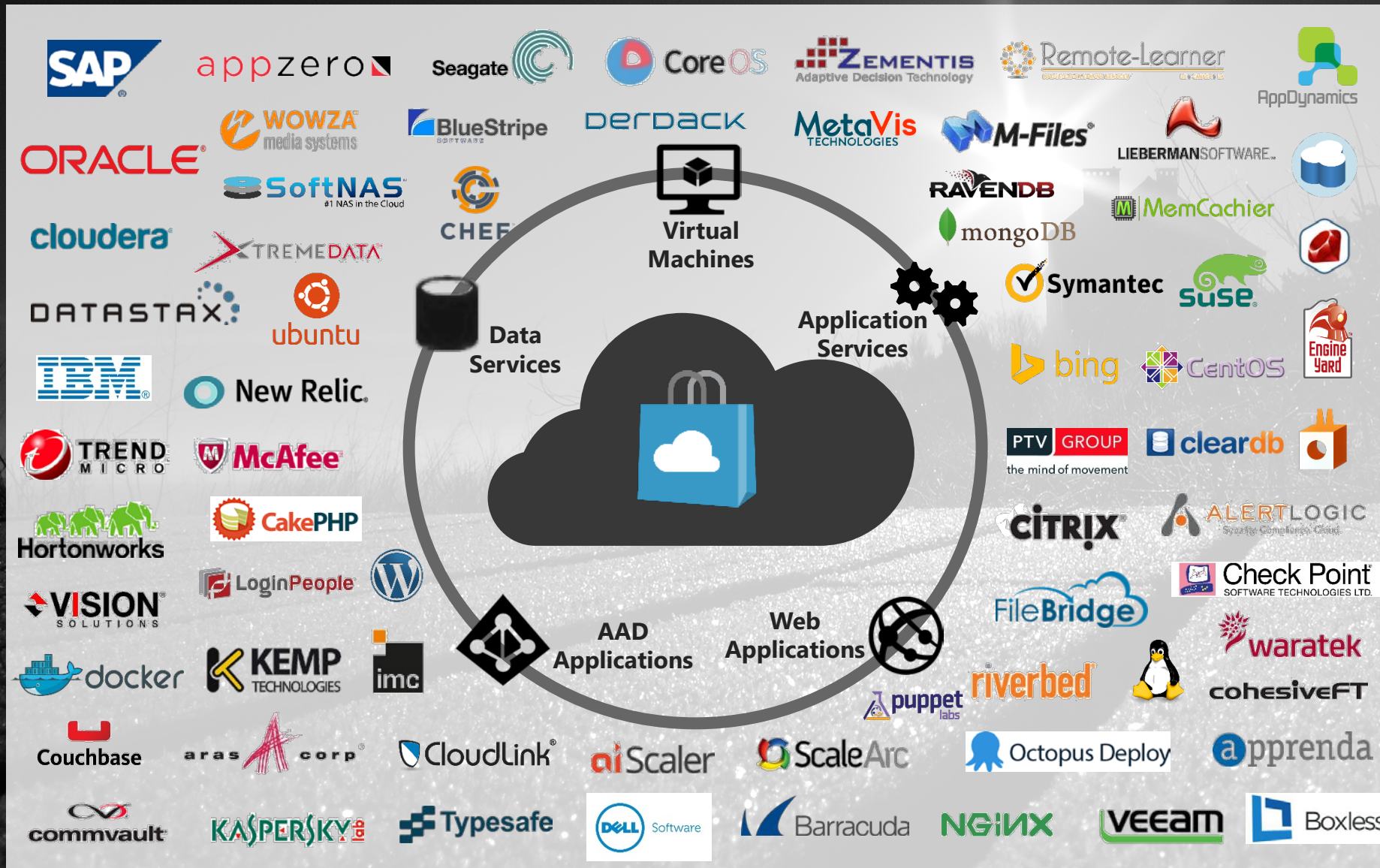
Store/Marketplace Find and manage other services provided by third parties.	VM Depot Find free open source VM images that you can download and run in Azure Virtual Machines.
---------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

My Apps

- 2500+ Integrated popular SaaS apps
- Bring Your Own SaaS app
- Access internal apps via Azure AD

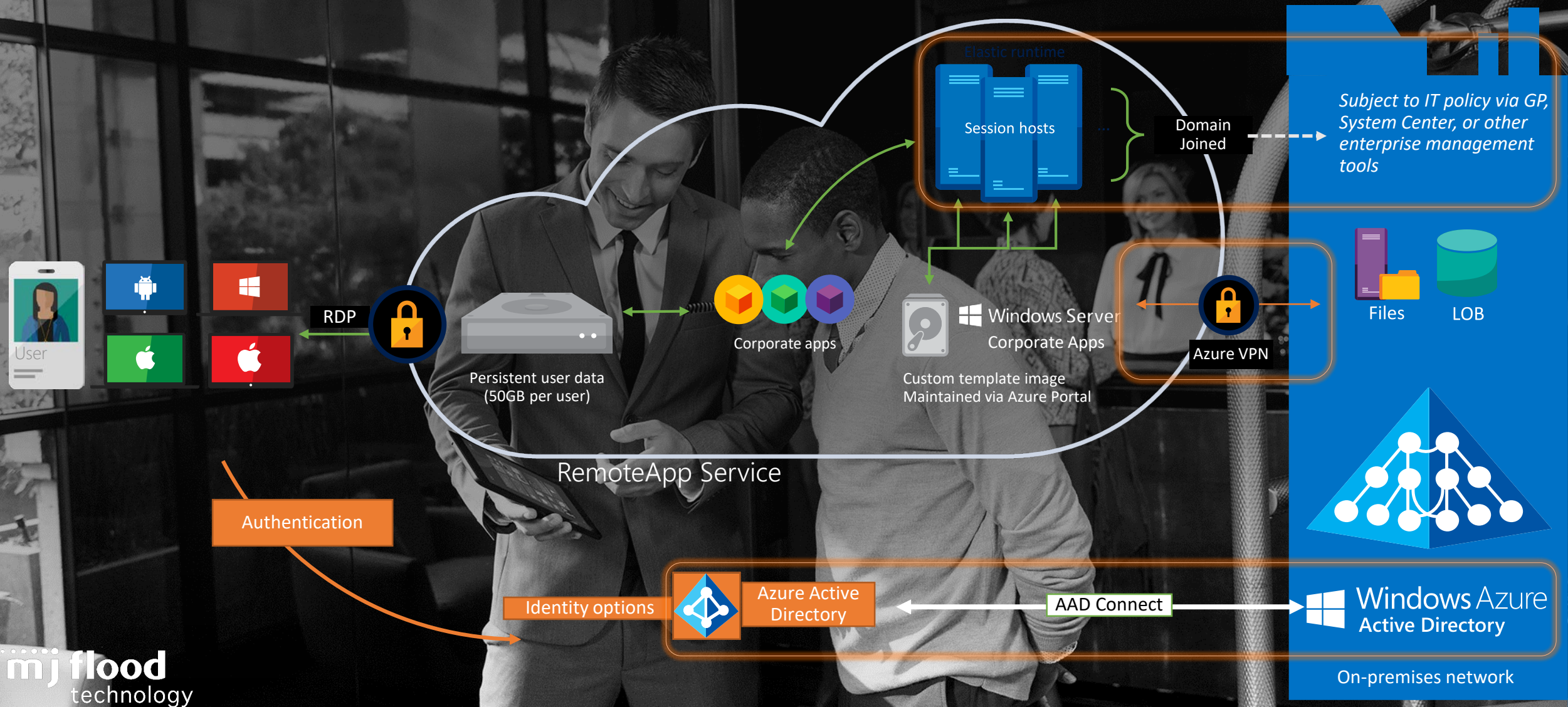


Microsoft Azure Marketplace

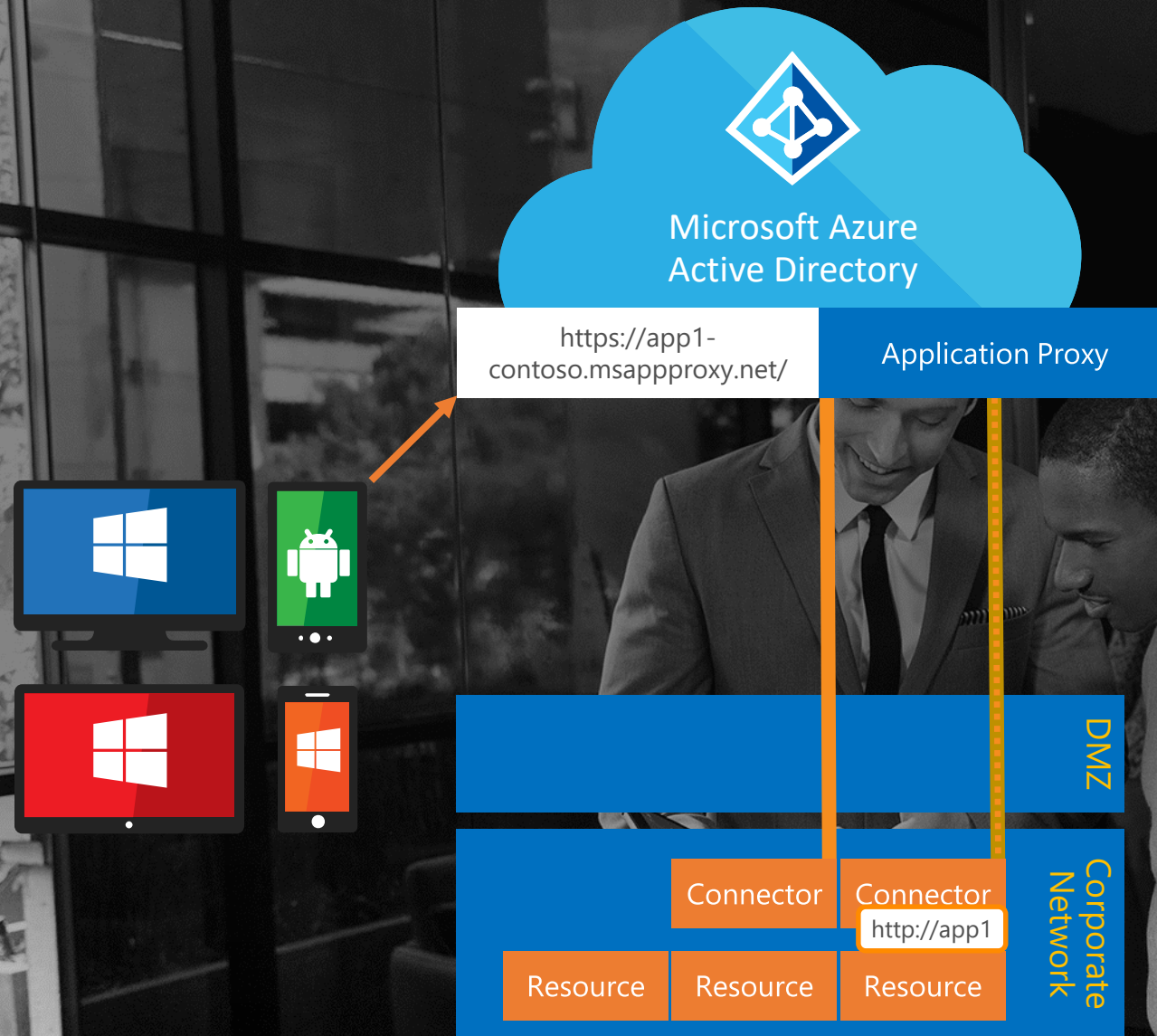


An online store for integrated applications and services ready to deploy on Microsoft Azure

Azure RemoteApp

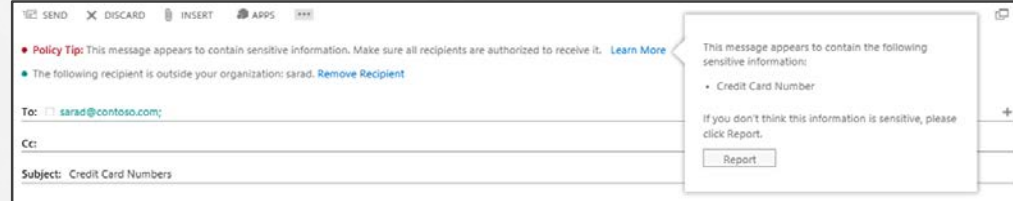


Azure AD Application Proxy

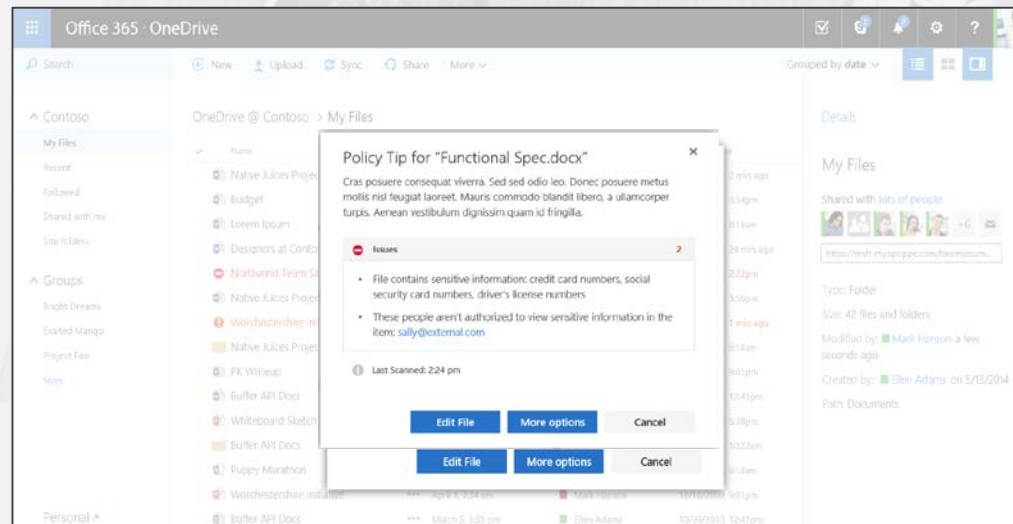


- A connector that auto-connects to the cloud service
- Connectors are deployed next to resources on-premise
- Users connect to the cloud service that routes their traffic to resources via the connectors

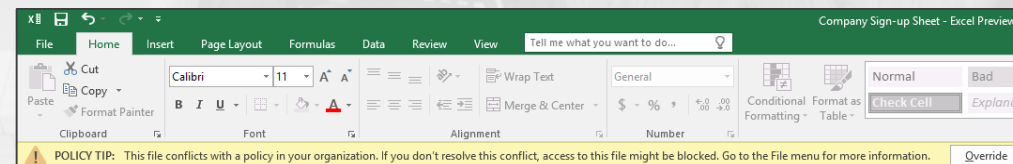
1. Email, Outlook, OWA



2. SharePoint, OneDrive for Business



3. Office 2016, Word, Excel, PowerPoint

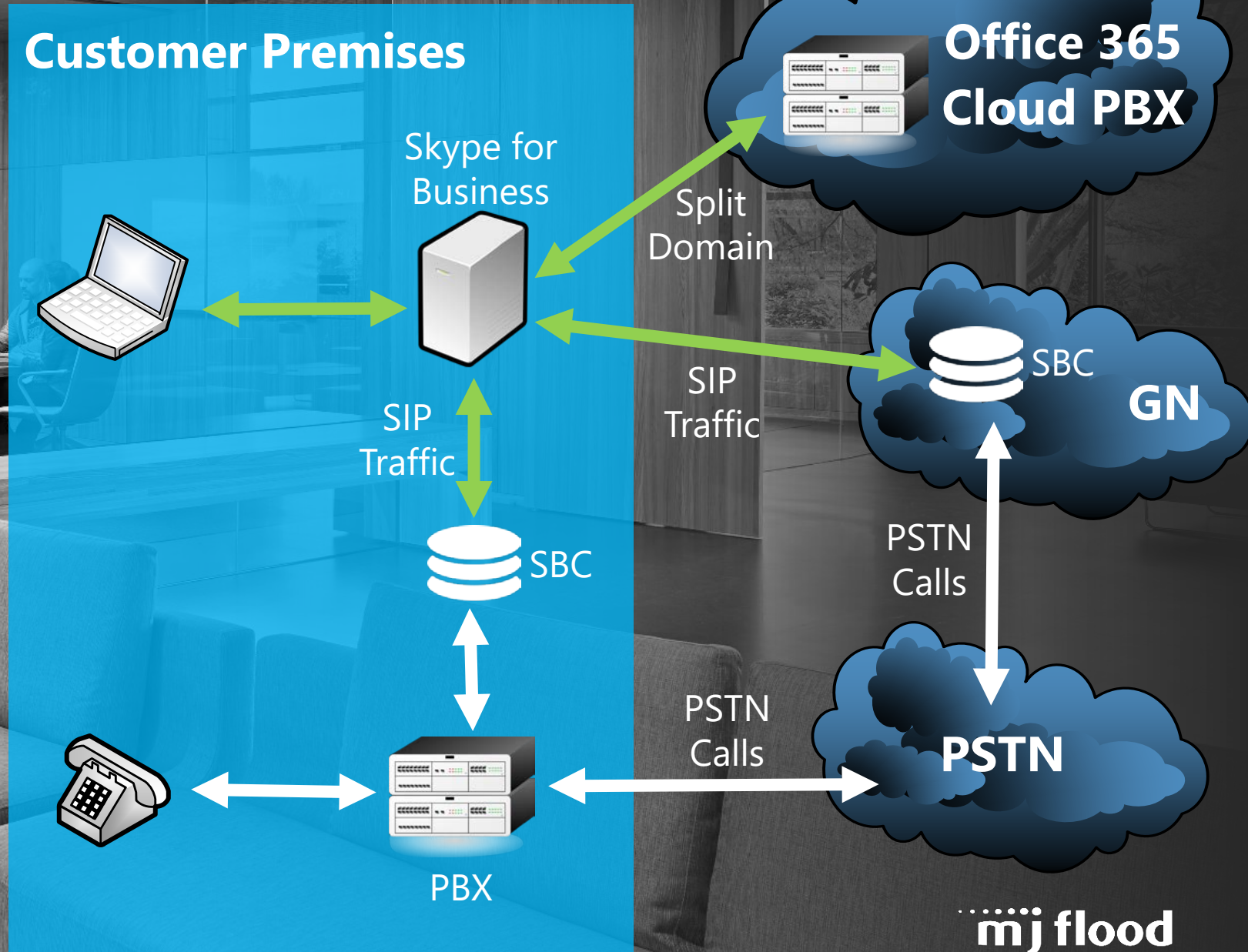


Data Loss Prevention in Office 365

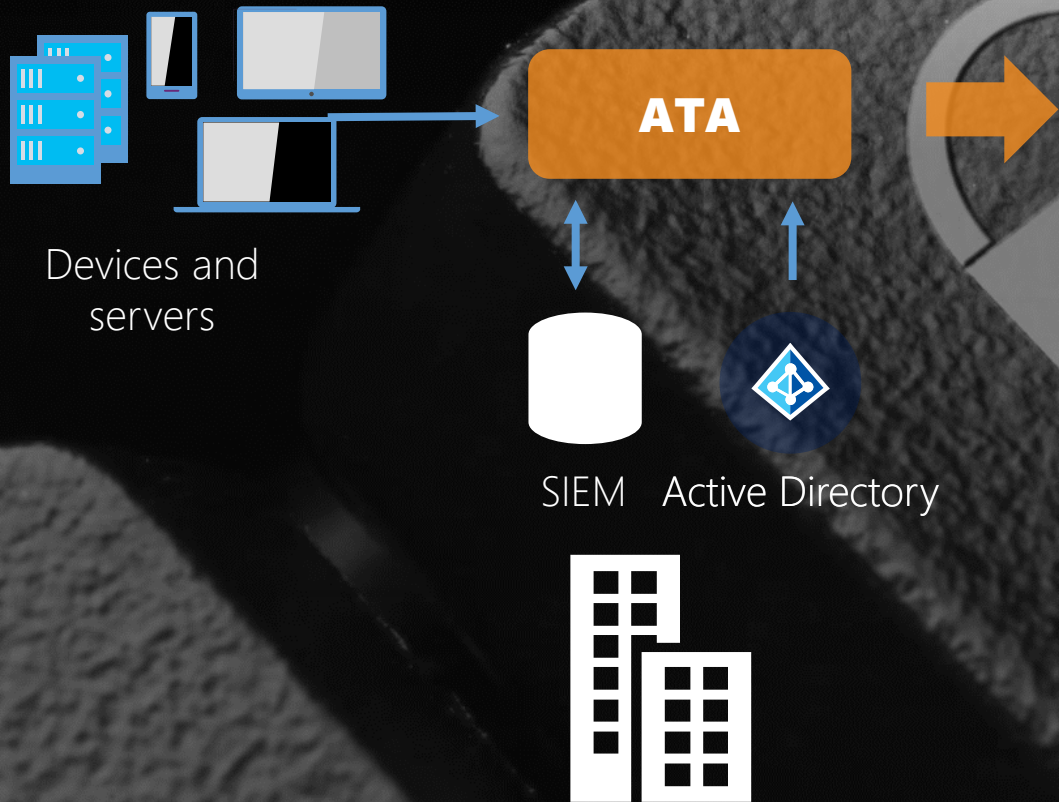
- Greatly enhanced security capabilities while retaining rich Office Productivity experience
- Identify, monitor and protect sensitive information as it moves in the organisation
- Educate and empower your users while they work on sensitive content

Cloud PBX with GN PSTN Connectivity

- Cloud PBX connected to GN SBC's
- Users homed in cloud
- Skype Server on-prem or in GN Datacentre
- GN Call Rates and numbers



Microsoft Advanced Threat Analytics



Behavioral
Analytics



Profile normal
entity behavior
(normal vs.
abnormal)

Forensics for
known attacks
and issues



Search for known
security attacks &
issues

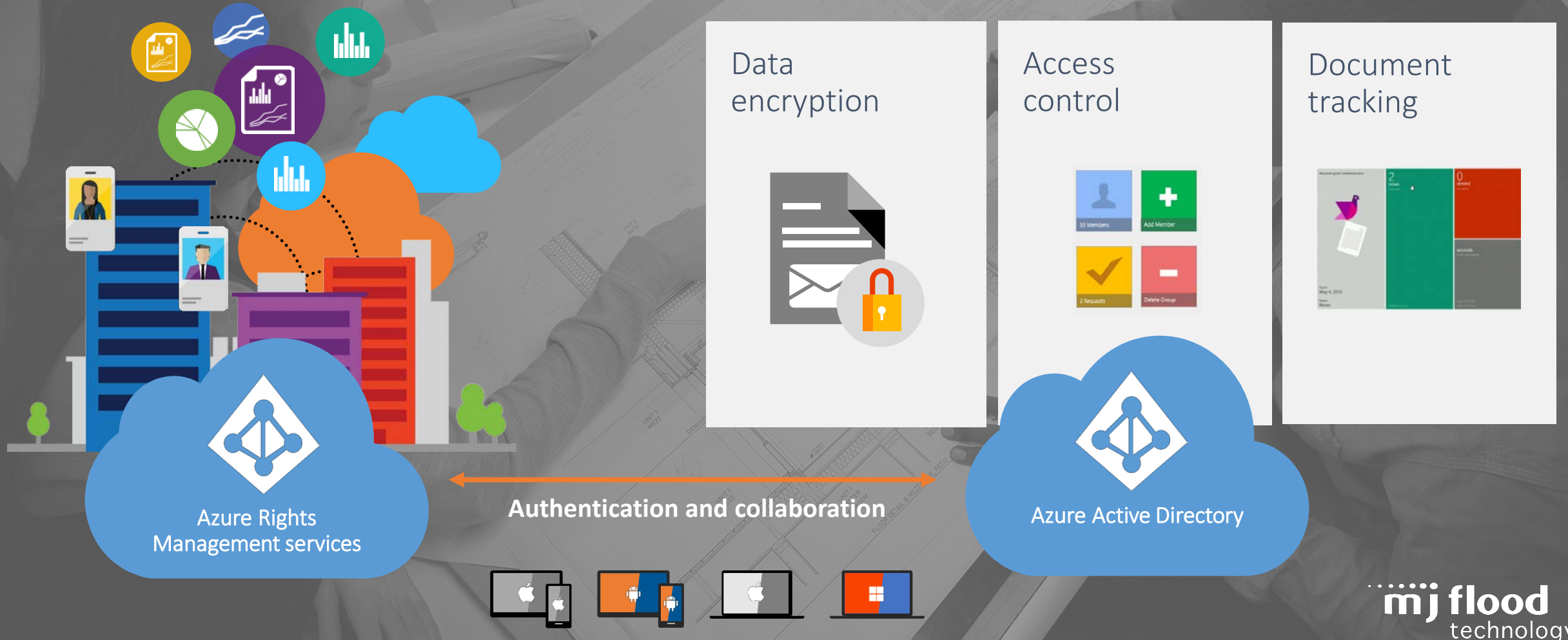


Detect suspicious
user activities,
known attacks, and
issues

Advanced
Threat
Analytics



Azure Rights Management



Licensing: Office 365 E1, E3 and E5

Feature	Office E1	Office E3	Office E5
Email and Calendars	Included	Included	Included
Yammer, Video, SharePoint	Included	Included	Included
OneDrive for Business, Delve	Included	Included	Included
Office Online	Included	Included	Included
Office Client Apps		Included	Included
Archiving, Azure RM, DLP, Encryption		Included	Included
Advanced Security, Predictive Discovery			Included
End User and Organizational Analytics			Included
Skype Voice Integration			Included
Cost (CSP Government Pricing)	€5.10	€16.70	€30.10

Add-On	Cost
Cloud PBX	€5.90
PSTN Conferencing	€2.95
Advanced Security Mgmt.	€2.20
Delve Analytics	€3.00
Office 365 ProPlus	€9.60
Cloud App Security	€3.70
Azure Rights Mgmt.	€1.50
Power BI Pro	€7.30
Customer LockBox	€1.50
Advanced eDiscovery	€5.90
Advanced Threat Protection	€1.50
Archiving	€1.70

Enterprise Mobility + Security E3

Components

- **Advanced Threat Analytics** €3.14
 - **Azure Active Directory Premium** €4.30
 - **Microsoft Intune** €4.30
 - **Azure Rights Management** €1.50
- €13.24**

Includes:

- **Windows Server CAL** €2.73*
 - **Microsoft Identity Manager CAL** €1.27*
 - **SC Configuration Manager CAL** €5.78*
 - **SC Endpoint Protection CAL** €1.04*
- €10.82**

**Enterprise Mobility +
Security E3**
€6.50

Prices are all monthly. *Based on Open ERP per month

A black and white photograph of a modern, multi-story office building at night. The building has a dark, textured facade on the left and a lighter, more glass-fronted section on the right. Large windows are illuminated from within, showing office interiors. The 'mj flood' logo is prominently displayed on the dark facade. A purple rectangular overlay is centered across the middle of the image, containing the text 'THANK YOU' in white. In the foreground, there are some small trees and a paved area with some lights. A car is visible in the background on the right.

mj flood

THANK YOU

mj flood
technology

Donal Clissmann | Solutions Architect
MJ Flood Technology | dclissmann@mjf.ie