



# Office 365 and Azure Identity and Authentication

Samuel Zuercher – Experts Inside GmbH

# IDENTITY AND AUTHENTICATION WITH AZURE AD

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Principal Consultant, Architect,  
Evangelist

Co Founder Experts Inside (2011)

SharePoint since 2005

Office 365 since 2010

Founder of the Communities:  
SharePointCommunity.ch  
Community365.ch

MVP since 2011

Twitter: @sharepointszu

Blog: Sharepointszu.com

Samuel Zuercher [MVP]



It's not a question if you go to  
the cloud but **WHEN** you go  
with **WHAT** workload





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# Azure Active Directory is the heart of the Microsoft Cloud

## No Service without Identity



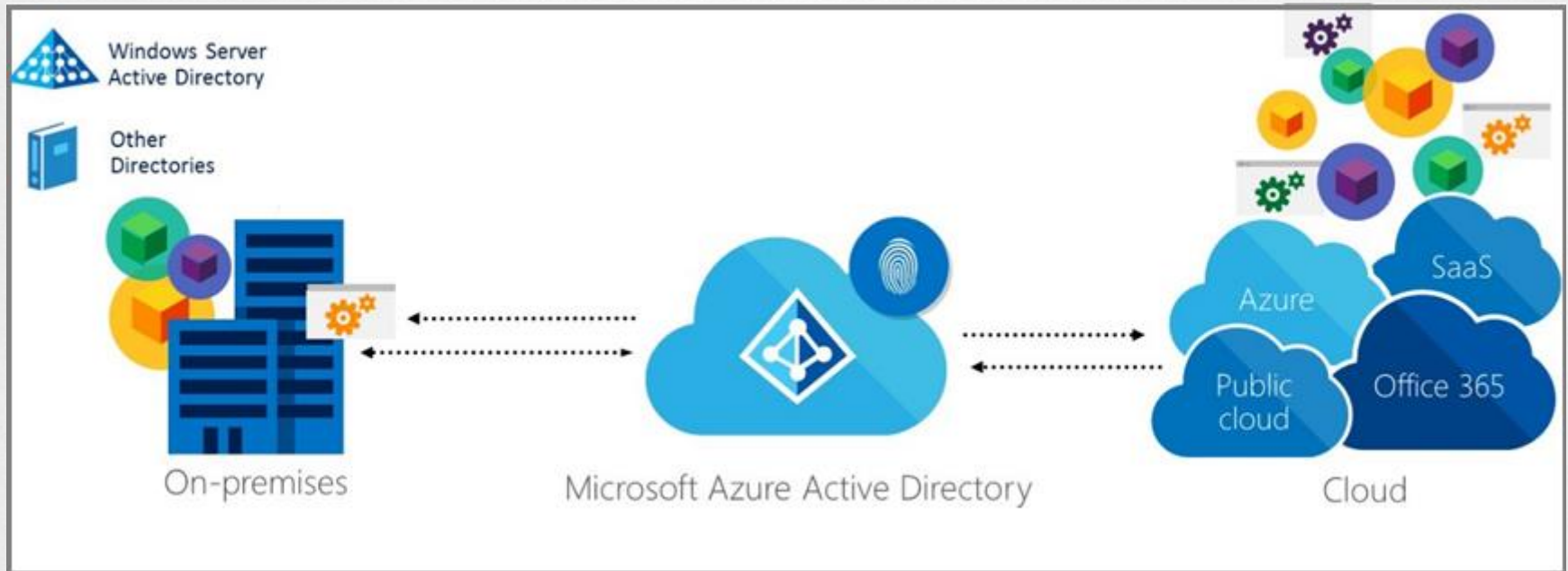
# Gartner magic quadrant



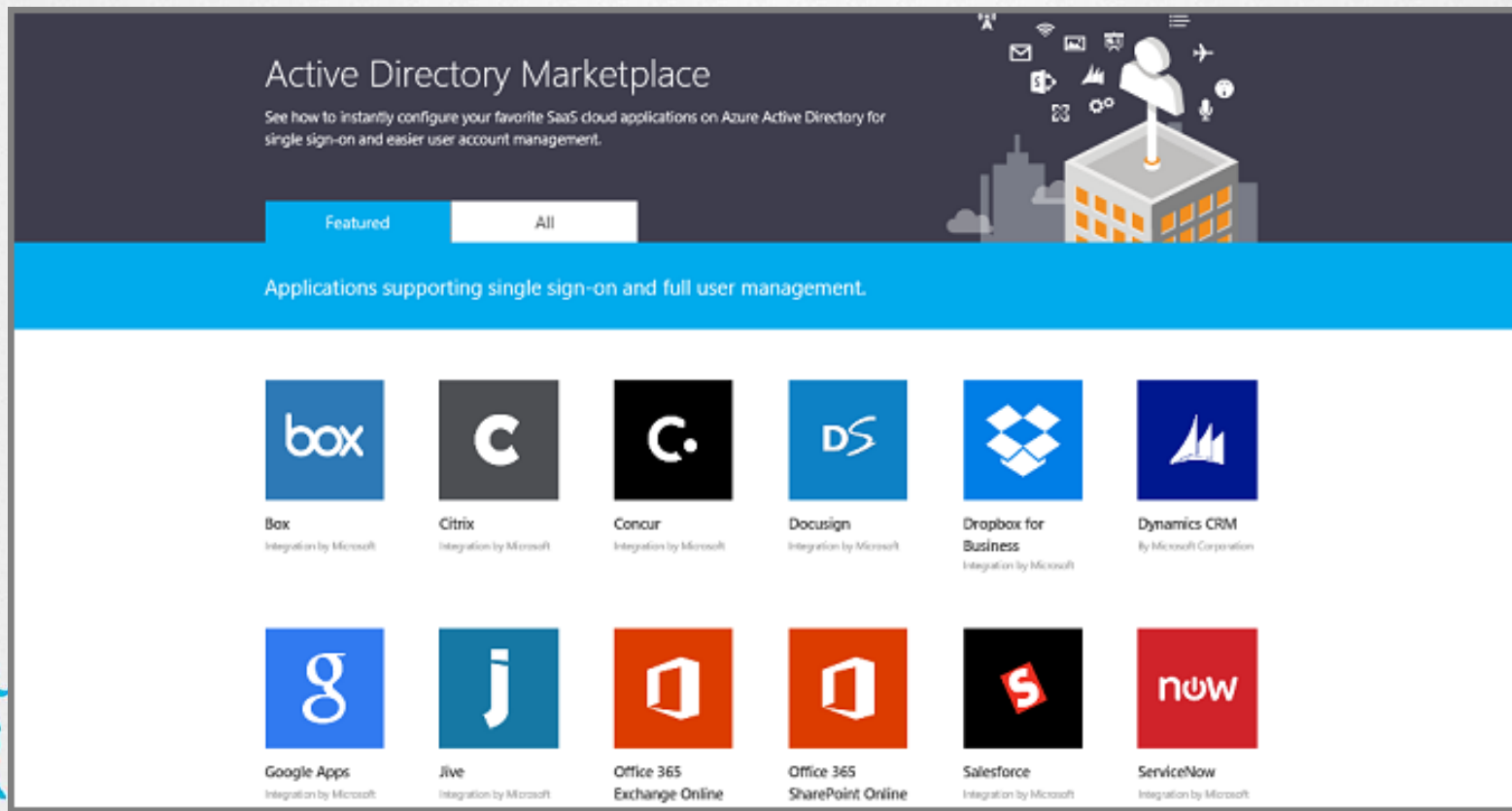
Gartner sees Microsoft Identity and Access Solution in Azure Active Directory (SaaS) the leading Cloud Offering



# Aad is your Identity Platform in the Cloud



# The world is not enough















Active Directory Marketplace

See how to instantly configure your favorite SaaS cloud applications on Azure Active Directory for single sign-on and easier user account management.

Featured All

Applications supporting single sign-on and full user management.

 <b>Box</b> Integration by Microsoft	 <b>Citrix</b> Integration by Microsoft	 <b>Concur</b> Integration by Microsoft	 <b>DocuSign</b> Integration by Microsoft	 <b>Dropbox for Business</b> Integration by Microsoft	 <b>Dynamics CRM</b> By Microsoft Corporation
 <b>Google Apps</b> Integration by Microsoft	 <b>Jive</b> Integration by Microsoft	 <b>Office 365 Exchange Online</b>	 <b>Office 365 SharePoint Online</b>	 <b>Salesforce</b> Integration by Microsoft	 <b>ServiceNow</b> Integration by Microsoft



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# Not using the cloud? Ha! you think so!?

New: Cloud  
App Security

How it works



1

Collect data from machines  
and devices



2

Microsoft Azure AD  
receives and analyzes data



3

Discover cloud services  
on the dashboard

**FIND OUT  
THE TRUTH  
WITH  
CLOUD APP  
DISCOVERY**







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# What many don't know

If you have this

You automatically  
have this too



Office 365

Azure





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# Get the basics right before you choose



The Identity and Authentication world is spinning very fast these days... Keep up with it

# The basic concept





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# Cloud identity



User

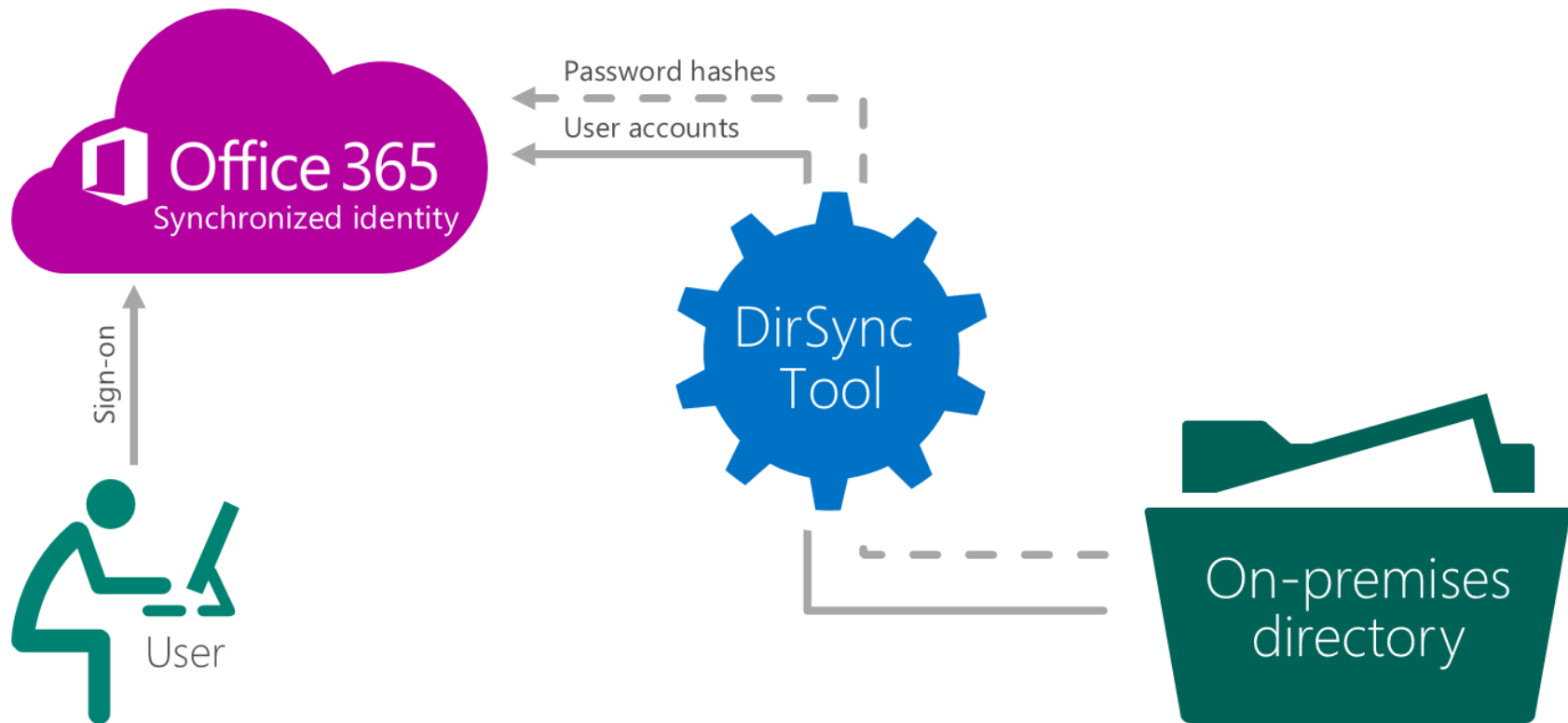
User accounts





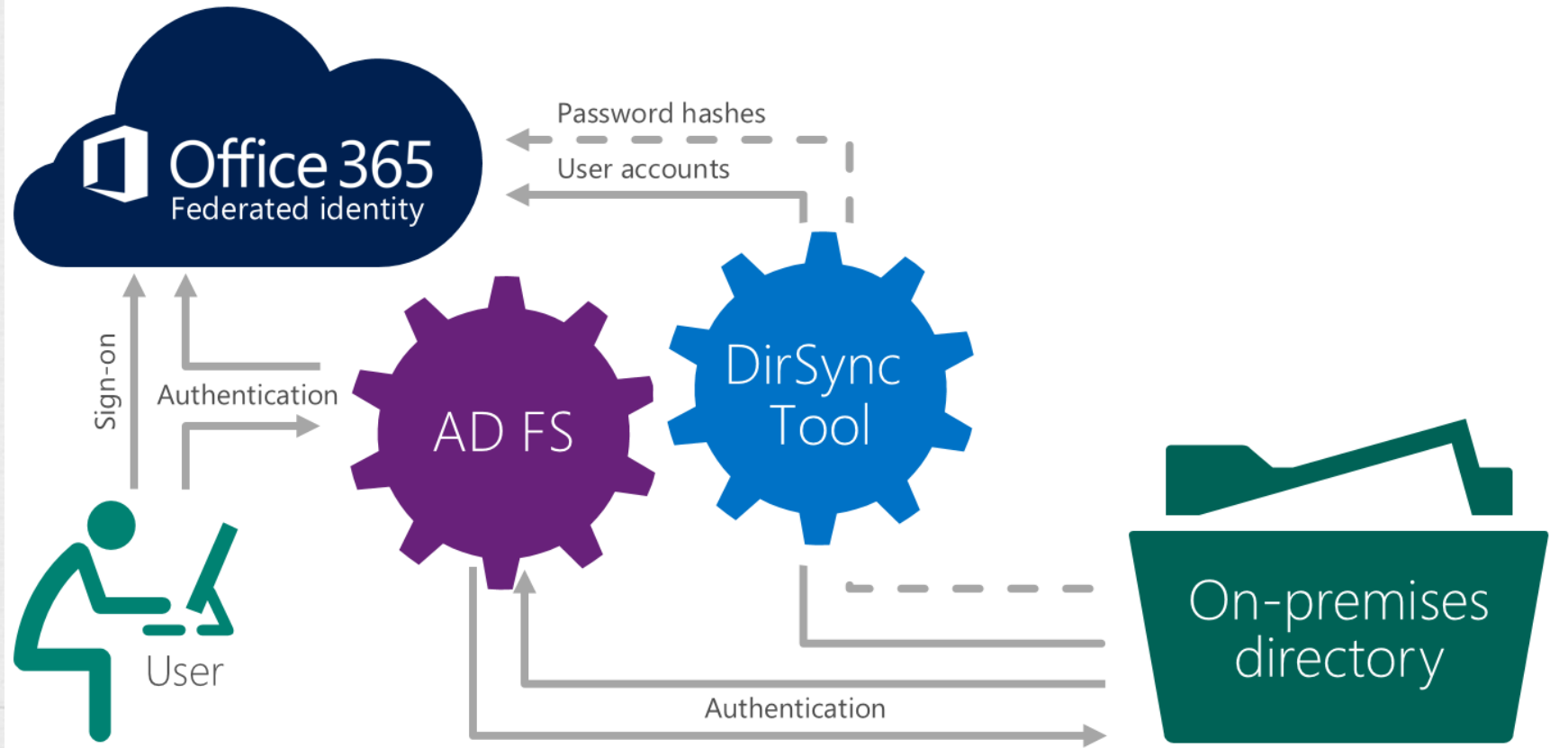
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# Synchronized Identity





# Federated Identity





# Federation Fallback





# Thoughts on Federation

The good

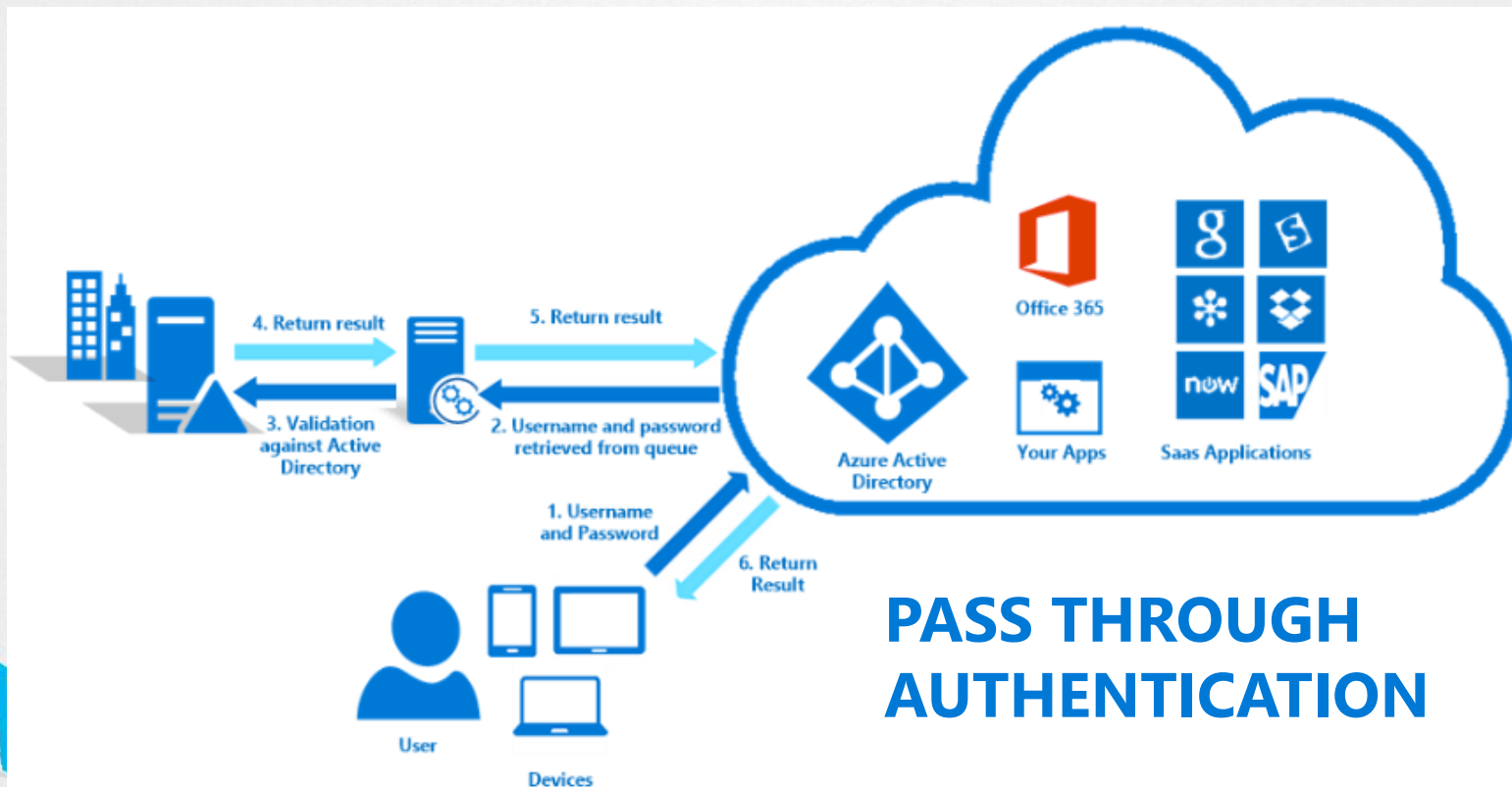
Very Robust  
State of the art  
Technology  
Advanced  
options

Expensive  
Complex  
Very High  
Maintenance  
Not modern

The bad



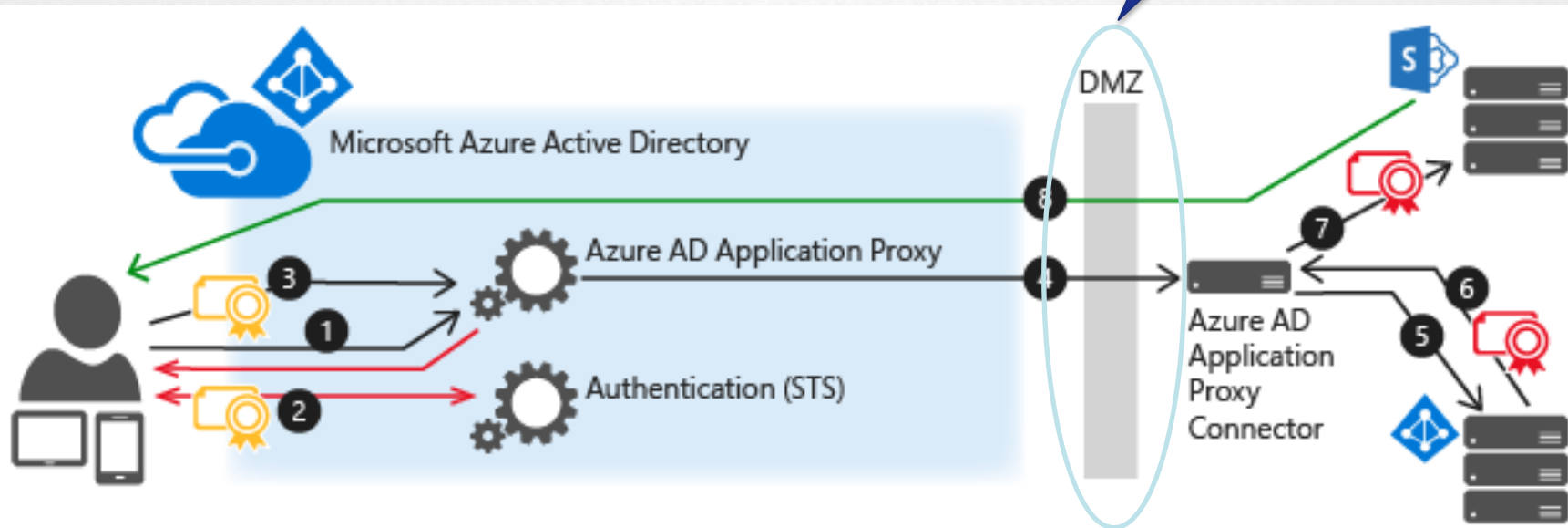
# New approach for SSO





# New approach for P

Only  
Outbound  
Communicatio  
n



## AZURE APPLICATION PROXY WITH KCD



If you have a clear business-driven requirement for ADFS, go for it

It is the most complex setup you can have, make sure you know what you are doing...





# Some reasons for adfs

You need Security Policy Settings that go beyond what Azure AD can achieve

You have multiple AD Forests, that need to authenticate through the same Namespace (alternate login ID)

You need to use your On Prem MFA

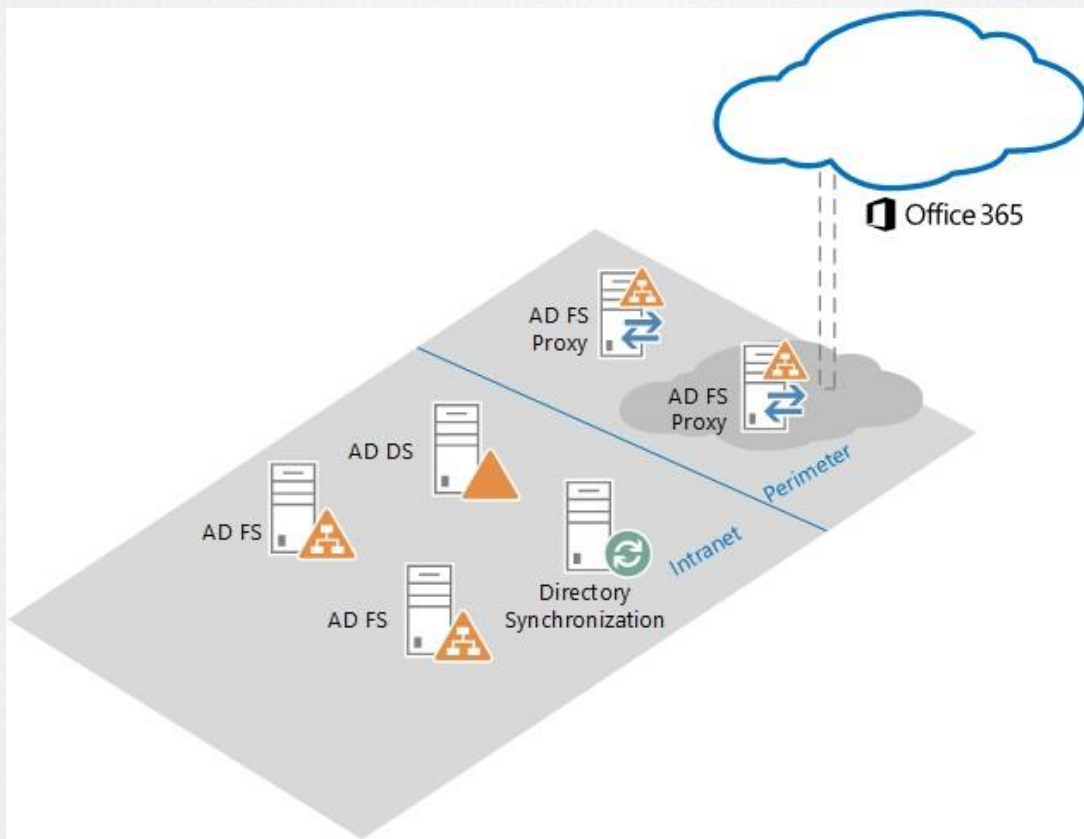






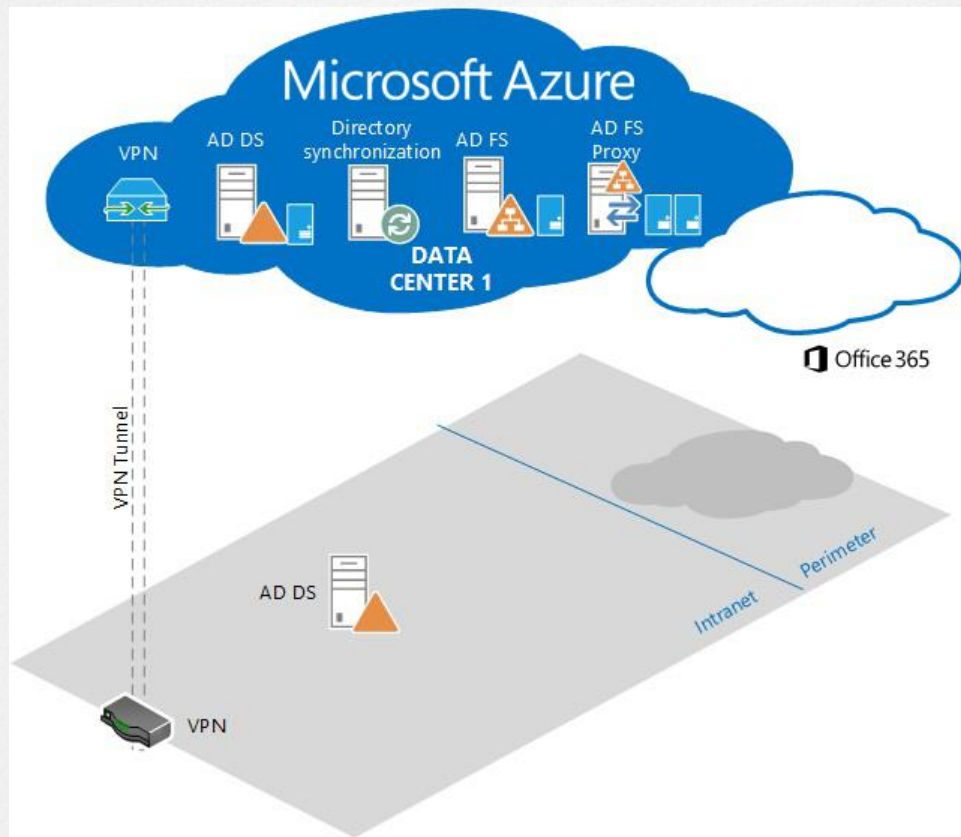
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# Classic on prem only



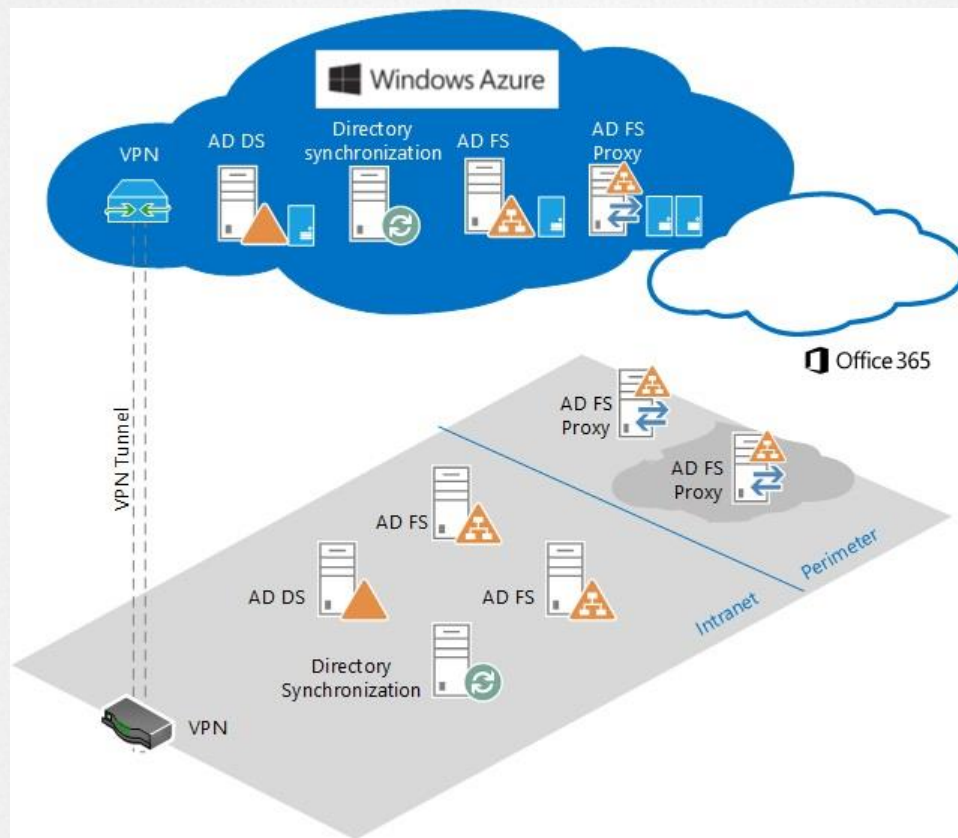


# Cloud only





# On Prem with Cloud DR





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See some real world  
examples from the field

You will love it, believe me. It's true





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# A spread Infrastructure

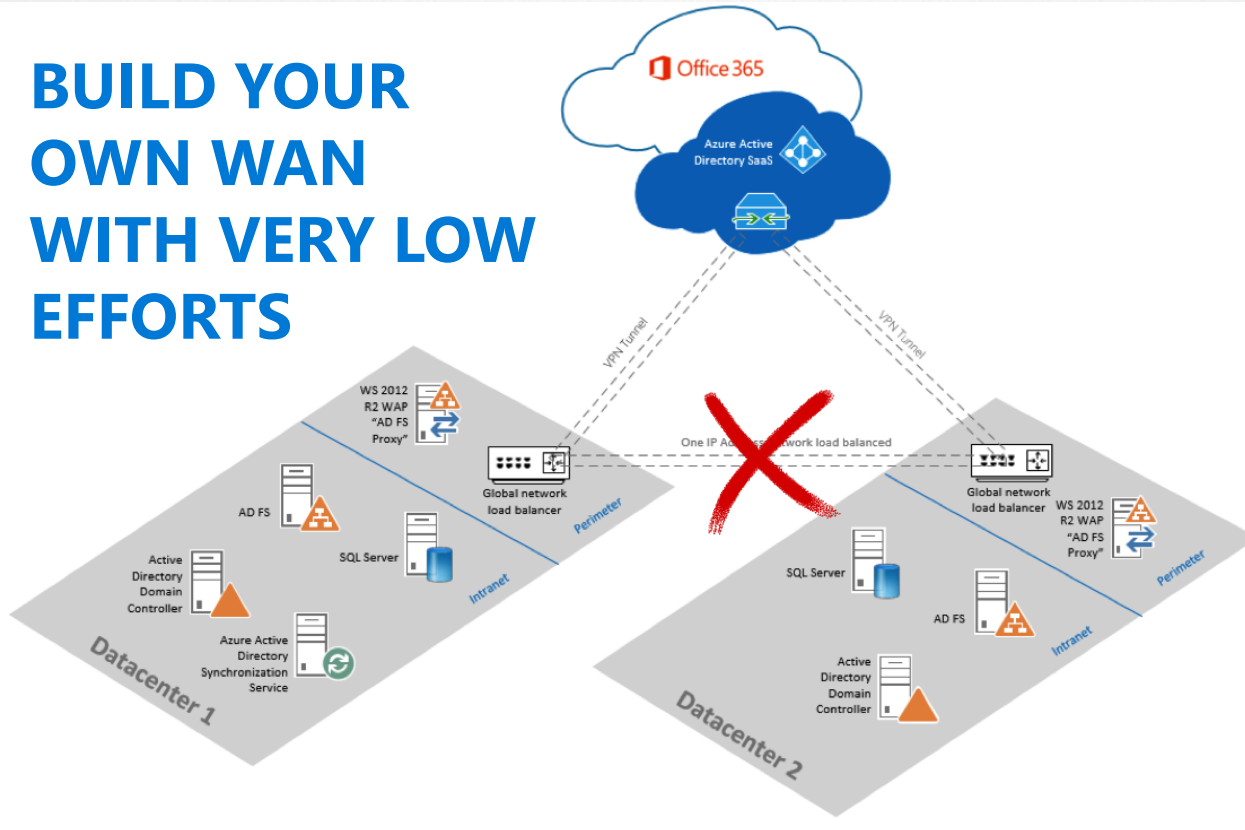
What do you do, if your Infrastructure is spread all over the World and you don't have an MPLS WAN?





# Placement of AD Connect

**BUILD YOUR  
OWN WAN  
WITH VERY LOW  
EFFORTS**







# Deployment steps

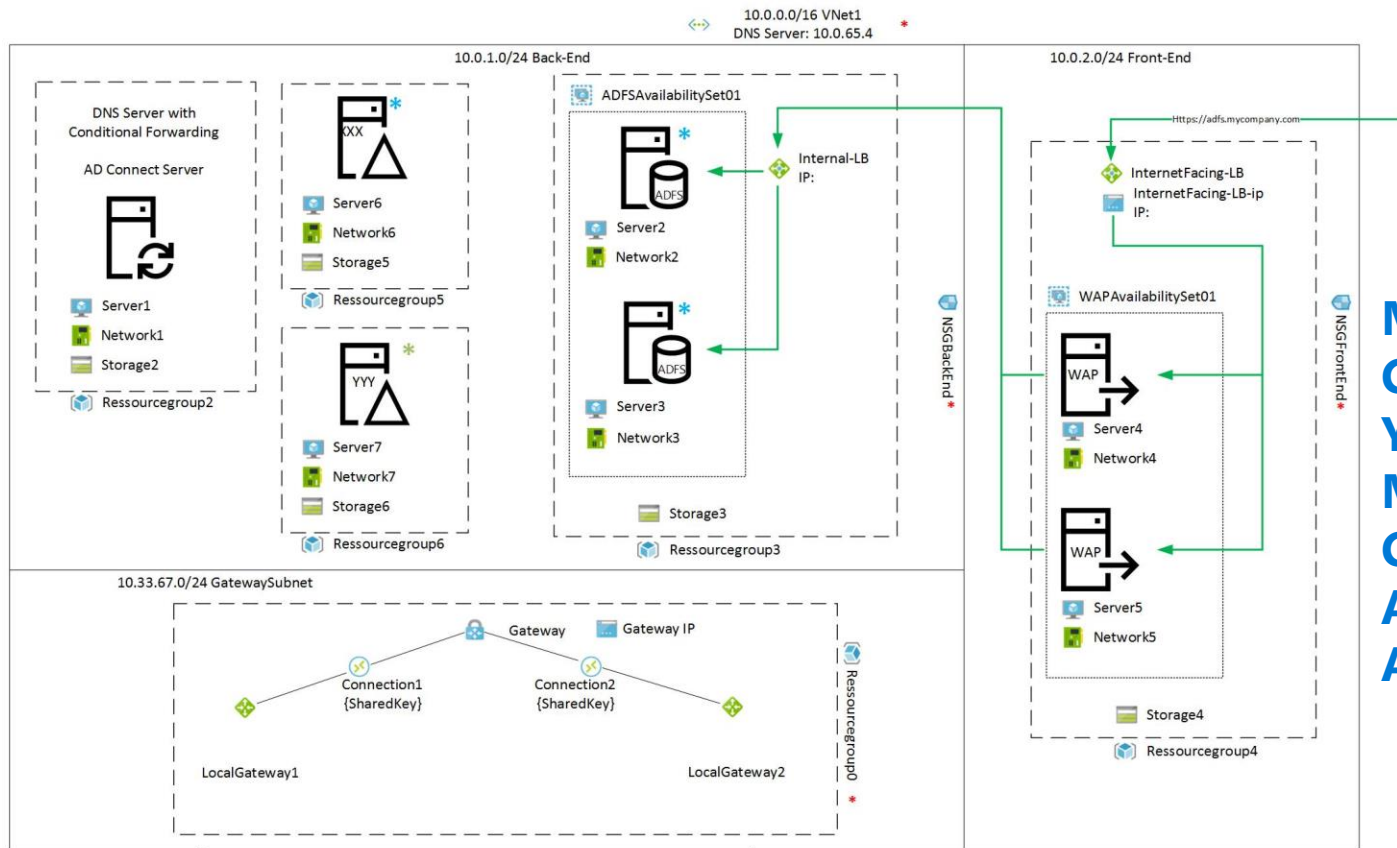
Login to [portal.azure.com](https://portal.azure.com) with an Identity synced to Office 365

Get a subscription in your Azure tenant (you can access AAD for free)

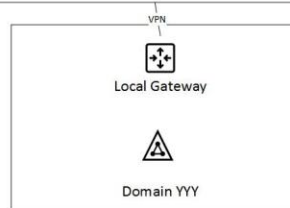
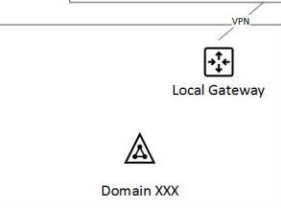
Create a VPN Network to all subsidiaries (Route Based VPN, IKE v2)

Create a VM in the Azure Network you created and install AD Connect





**MIND THE  
COMPLEXITY IF  
YOU WANT TO GO  
MULTI FOREST AD  
CONNECT WITH  
ADFS DR SITE IN  
AZURE...**



- Azure Gateway
- Local Gateway
- Gateway Connection
- Public IP
- Virtual Network
- Ressource Group
- Belongs to same RG
- Virtual Server
- Network Card
- Storage Account
- Availability Set
- Loadbalancer
- Joined to XXX
- Joined to YYY
- Domain Controller
- ADFS Server
- AD Connect Server
- WAP Server



DEMO





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# Thank you

