

License Spend & Optimisation Summary

2.0627a
Current Version

2022/06/23
Last Refresh

Tenant

£
Currency

Summarised view of potential license optimisation and high level details on areas where optimisation achieved. In addition, the Joiners and Leavers summary gives an overview of the company Active Directory Accounts and high level aging statistics.

Optimisation Opportunities

11%

Upper Savings Range

8%

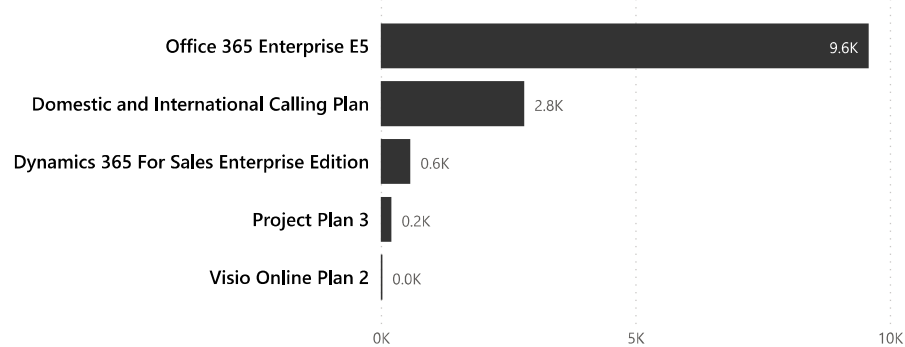
Lower Savings Range

Optimisation opportunities per month range between £22,534 (£270,408 Year) and £30,435 (£365,221 Year)

£271,157 Current monthly license investment (£3,253,885 per year)

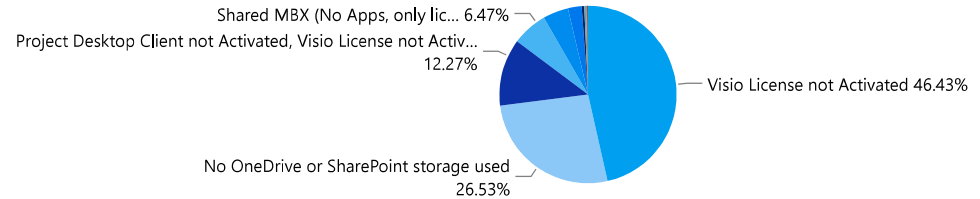
Areas for Optimisation

Top 5 License Saving Opportunities (value - unallocated & Inactive assigned)

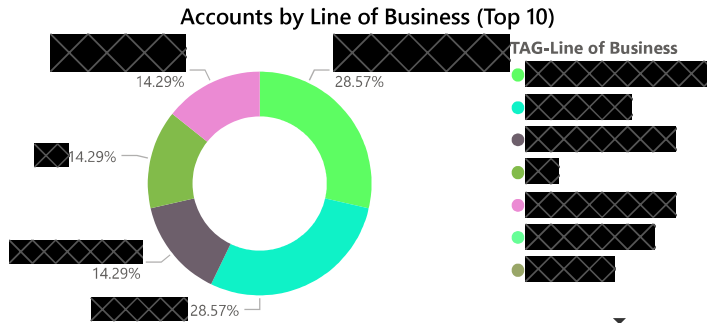


- ✓ Unassigned licenses value, optimisation estimates between £10,346 and £11,495
- ✓ Aged and inactive accounts, optimisation estimates between £9,515 and £13,592
- ✓ License reclassification, optimisation estimates between £2,674 and £5,348

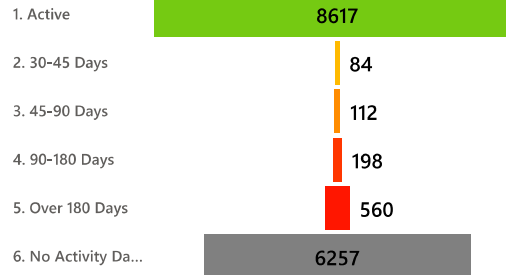
License Review based on Usage Patterns



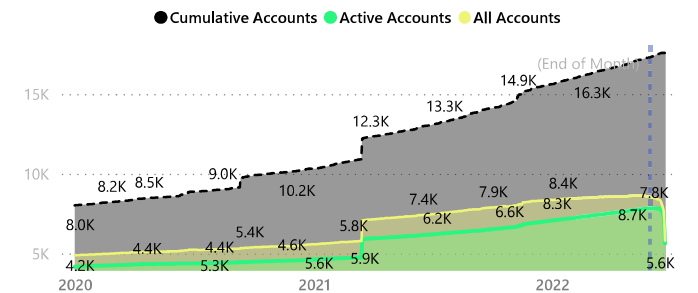
Joiners & Leavers



Account Aging Categories



Accounts Active by Calendar Day



Company Profile

Overview of the companies Active Directory accounts to help provide an understanding of the environment, looking at a breakdown of accounts, their geographic distribution, account activity vs. total accounts and the internal & external composition of accounts.

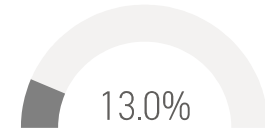
Account Summary

16K
Total AD Accounts

Account Statistics

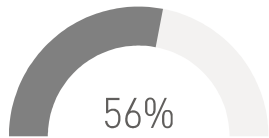
Total AD Accounts	17576
Accounts Active in 30 Days	8731
External Accounts	2280

% External Accounts

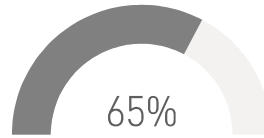


License Overview

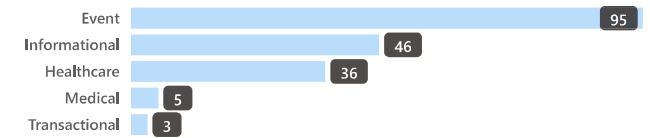
% Licensed & Enabled Accounts



% Internal Licensed & Enabled Accounts



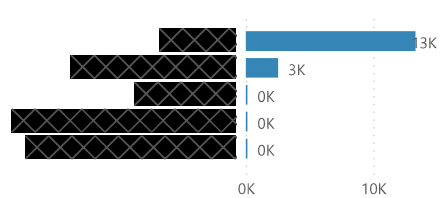
Service Account Categories (Top 5)



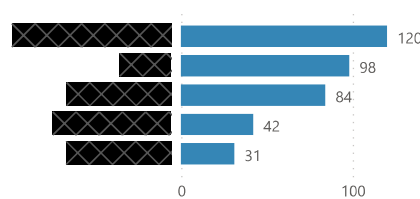
Profile

- 56 Defined Countries (Active Directory)
- 9 Domains Used for Email (defined in UPN)
- 1050 External Domains (External Accounts UPN)
- 2851 Total Job Titles Defined

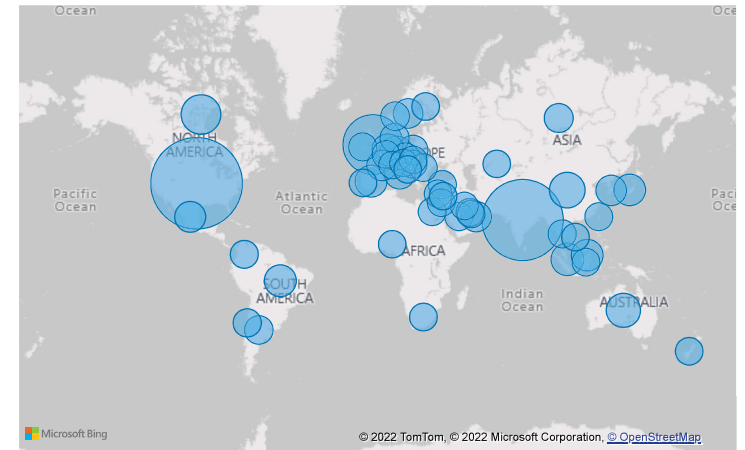
Top 5 Internal Domains



Top 5 External Domains



Regional Account Distribution



High level License Summary & Top 5

A view of the overall license spend with a breakdown on statistics on the assigned & not assigned status, and details of activity of the licensed accounts.

<h2>£271,157</h2> <p>Total O365 License Investment</p>	<h2>£259,662</h2> <p>Assigned License Cost 95.76% License spend assigned</p>	<h2>£11,495</h2> <p>Unassigned License Cost 4.24% License spend unassigned</p>	<h2>£17.13</h2> <p>Per Account License Cost (Total License vs. Active AD Accounts)</p>
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Top 5 License Investment

License Name	Currency	Item Cost (Month)	Quantity Purchased	%GT Purchase Cost	% Consumed	% Consumed (Active < 30D)	Consumed & Unused Value(>30D) Month	Total Consumed Value (Month)	Unassigned License Value (Month)	Monthly Investment
Office 365 Enterprise E5	£	27.13	8 143	86%	99%	96%	8 437	218 586	2 338	220 924
Domestic and International Calling Plan	£	9.69	1 431	5%	95%	80%	601	13 237	624	13 860
Dynamics 365 For Sales Enterprise Edition	£	57.73	175	4%	97%	94%	289	9 756	346	10 103
Visio Online Plan 2	£	5.73	966	2%	100%	100%	11	5 535	1	5 536
Project Plan 3	£	12.15	416	2%	99%	96%	97	5 006	47	5 053

NCE License Summary

View of all licenses purchased with breakout of NCE purchased licenses. Two uplift scenarios are provided, a view of the current license estate with a 20% uplift as would be applied when moving to PAYG and an alternate showing only uplift on non NCE licensing (Blended)

0.00%
% of Licenses purchased by NCE
(License Quantity)

£3,253,885
M365 License Investment (per year)

PAYG model:

Per year cost considering an uplift of all licenses by 20%. This outlines possible impact of not planning for NCE.

£3,904,662

Per Year Cost

£650,777 uplift per year (20%)

PAYG model based on RAG:

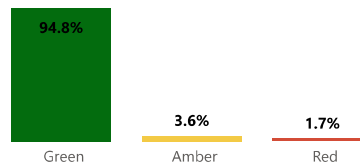
Considering all licenses in a green status moving to NCE and those in red and amber staying on a PAYG model. The amber / red may be in consideration for review before committing. This includes consideration for optimisation in the NCE process.

£3,280,148

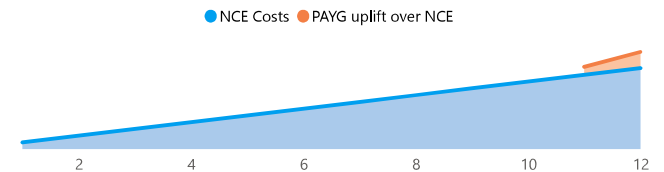
Per Year Cost

£26,248 uplift per year (0.81%)

License RAG Status (cost view)



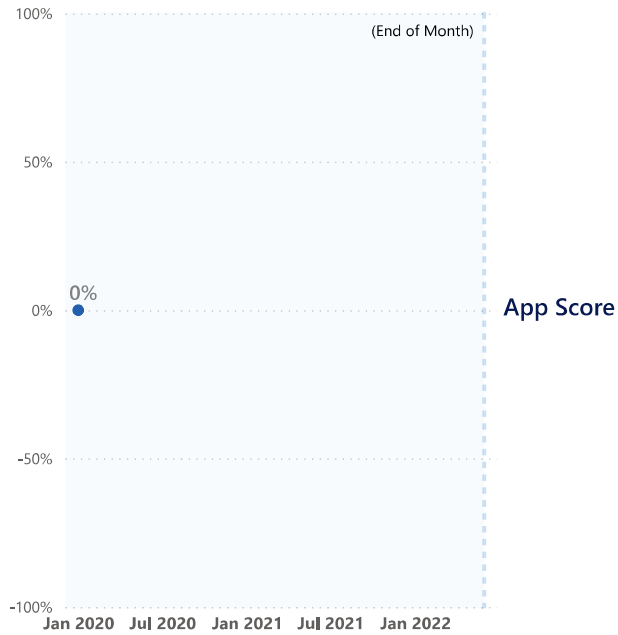
PAYG vs NCE Breakeven over 12 Months



Note: NCE information is only available for CSP customers with with an onboarded upstream provider

Secure Score

Summarised view of the Secure score, with a breakdown of the 3 high level components making up the score (App / Identity / Device) and a trend of the score over time.



01 January 2020

0.0%

Secure Score

0 out of a possible 0

-100.00%
% Change since month end

0
Improvements Available

0.00%
Score vs Industry Average

100.00% Improvements Available

(Blank)
M365 E5 license Secure Score capability

Security Overview

View of all key data relating to security metrics, looking at Conditional Access, Insider Threat and Data Leakage, Device Management, Identity Security, Authentication and Administrative accounts and actions.

Conditional Access Policies

1

Conditional Access Policies

11 523 209

Policy Applications on Signin

7

Days of activity

9573

Policy Failure Events

Authentication Methods

0.00%

no % Self Service Password Reset capability

0.00%

% no Passwordless capability

0.00%

% no MFA capability

Top Authentication Method is --, used by 100.00% of accounts. 0.00% use multiple authentication methods

Insider Threat and Data Leakage

110,305,745 documents in SharePoint and OneDrive

92.3%

% Total Files Inactive in 30 Days

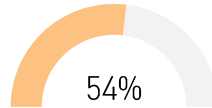
92.07%

OneDrive % Files Inactive

94.45%

SharePoint % Files Inactive

% Sharepoint Sites Inactive (30D)



87

Files Shared Externally

OneDrive files shared externally 61, shared Internally 30420, viewed or edited 402115 (30 days)

Sharepoint files shared externally 26, shared Internally 4174, viewed or edited 360946 (30 days)

Managing Devices - Threat Protection

(Blank)

Mobile app devices / users not managed by policy

35537

Devices (All)

34.07%

% Stale Devices

22375

Devices active 180 days

10422

Intune managed (active 30 days)

12107

Stale (>180 days no activity)

0

Total Threats

Security Center logs collected for 0 days with 0 events logged, the highest category being

Managing Identities (Accounts)

38%

Inactive Accounts (Internal)

13.55K enabled internal accounts

17 576

Total AD User Accounts

12.97%

% External Accounts

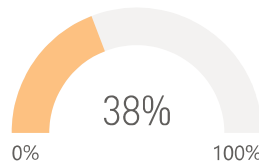
3.86%

Licensed accounts with red RAG

0.80%

% Machine Accounts

Accounts without MFA



188 Accounts with administrative roles, (43 without MFA), 17 Company administrators (4without MFA)

43

Admin Roles with no MFA

33%

Admin accounts not active in 30 days

720

Shadow IT - Cloud apps

8209

MCAS Enabled Accounts

9880

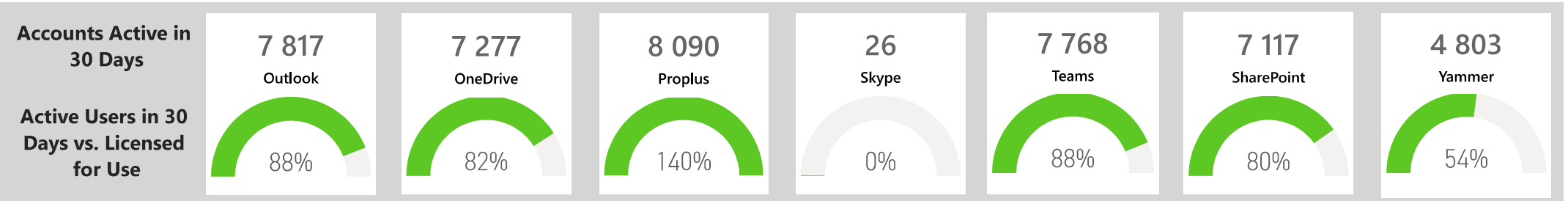
Accounts using cloud apps

Consumption of Key Microsoft 365 Products

View of accounts assigned licenses vs. the number who have been active within 30 days. This indicates consumption of the product but does not provide statistics on the actual use of the project.

Product Consumption (Country) - 30 Day Summary (Top 10) (Licenses Assigned by Administrators)

TAG-Country	Users with assigned M365 Licenses (Y/N)	Outlook Users Active in 30 Days	% Outlook Consumption (vs.users with M365 Licenses)	OneDrive Users Active in 30 Days	% OneDrive Consumption (vs. users with M365 Licenses)	SharePoint Users Active in 30 Days	% SharePoint Consumption (vs. users with M365 Licenses)	Skype Users Active in 30 Days	% Skype Consumption (vs. users with M365 Licenses)	Teams Users Active in 30 Days	% Teams Consumption (vs. users with M365 Licenses)	Yammer Users Active in 30 Days	% Yammer Consumption (vs. users with M365 Licenses)
United States	2 032	1 906	94%	1 752	86%	1 769	87%	6	0%	1 937	95%	1 154	57%
India	1 704	1 615	95%	1 515	89%	1 487	87%	3	0%	1 597	94%	976	57%
United Kingdom	1 027	960	93%	886	86%	882	86%	2	0%	943	92%	623	61%
not defined	569	444	78%	420	74%	406	71%	2	0%	446	78%	303	53%
Canada	386	374	97%	353	91%	337	87%	0	0%	374	97%	159	41%
Australia	214	214	100%	209	98%	206	96%	0	0%	211	99%	119	56%
China	260	256	98%	235	90%	198	76%	0	0%	257	99%	150	58%
Germany	206	186	90%	174	84%	180	87%	1	0%	185	90%	149	72%
Singapore	160	154	96%	151	94%	147	92%	0	0%	153	96%	100	63%
Netherlands	135	116	86%	93	69%	103	76%	2	1%	110	81%	55	41%
Total	6 693	6 225	93%	5 788	86%	5 715	85%	16	0%	6 213	93%	3 788	57%



Adoption of Key Microsoft 365 Products

View of accounts assigned licenses and details of how the products enabled by that license are being used (adopted). The data is broken down by country to outline maturity of adoption regionally.

Product Adoption (Country) - Previous Month (Top 10)

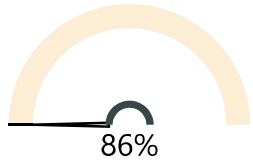
TAG-Country	Users with assigned M365 Licenses (Y/N)	Total ProPlus Activations (All Time)	Email Receive Count per Active User (Per Day)	Email Send Count per Active User (Per Day)	Active Email User	OneDrive Storage per Active OneDrive User	OneDrive Avg. Active File Count per Active User (Per Day)	OneDrive Avg. FileCount per Active OneDrive User	SharePoint Page View Count Avg. per Active SharePoint Site	SharePoint Active File Count Avg. per Active SharePoint Site	SharePoint File Count Avg. per Active SharePoint Site	Teams CallCount per Active Teams User (Per Day)	Teams Meeting Count per Active Teams User (Per Day)	Teams Private Chat Message Count per Active Teams User (Per Day)	Skype Conference per Active User (Per Day)	Skype Peer to Peer IM Count per Active User (Per Day)
India	1 704	8 197	25	2.2	1 606	25	49	11 936	111	21	15 410	2.2	1.4	22	0.0	0.0
not defined	569	2 256	38	3.9	436	57	95	13 556	14	4	38	1.2	1.3	18	0.0	0.1
Singapore	160	668	30	6.3	152	87	220	19 126	25	4	224	1.1	1.0	22	0.0	0.1
Australia	214	903	26	4.7	213	52	65	16 071	7	60	1 688	1.0	1.1	16	0.0	0.0
United Kingdom	1 027	4 451	33	6.4	941	34	73	10 985	36	8	6 874	0.9	1.5	16	0.0	0.0
Canada	386	1 274	29	5.1	369	36	75	16 147	7	4	137	0.9	1.4	19	0.0	0.0
Germany	206	847	22	4.4	196	39	89	10 126	15	3	57	0.9	1.0	14	0.0	0.0
United States	2 032	6 144	37	4.9	1 846	36	98	9 996	37	12	2 855	0.7	1.3	14	0.0	0.1
Netherlands	135	397	32	4.2	121	36	71	10 275	5	4	771	0.7	0.9	12	0.0	0.0
China	260	959	15	2.7	248	60	240	24 625	10	4	29	0.7	0.8	11	0.0	0.0
Total	6 693	26 096	31	4.3	6 128	37	87	12 348	34	13	4 128	1.2	1.3	17	0.0	0.0

1 351 835 OneDrive Storage (GB)	7 136 563 Email Receive Count	11 344 Accounts With Proplus Activations (All Time)	4 Skype Meeting Count	297 517 Teams Meeting Count	3 387 390 SharePoint File Count
582 769 OneDrive Avg. ActiveFileCount	1 046 110 Email Send Count		46 Skype Total Peer to Peer Sessions	268 585 Teams Call Count	11 161 SharePoint Active File Count

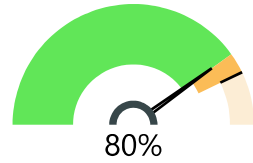
Consumption & Adoption High Level Overview

A mixed overview combining an aspect of both Consumption and adoption and an indication of how services are accessed (mobile / desktop / Web etc.).

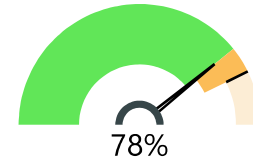
% Teams Accounts Active in 30 & 90 Days vs. Licensed M365 Users



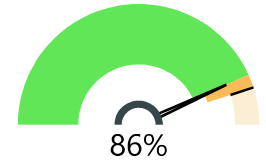
% OneDrive Accounts Active in 30 & 90 Days vs. Licensed M365 Users



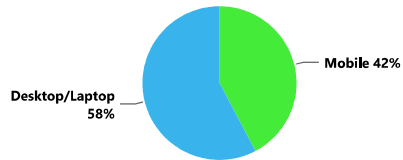
% SharePoint Accounts Active in 30 & 90 Days vs. Licensed M365 Users



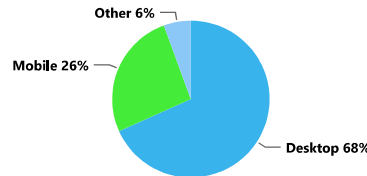
% Outlook Accounts Active in 30 & 90 Days vs. Licensed M365 Users



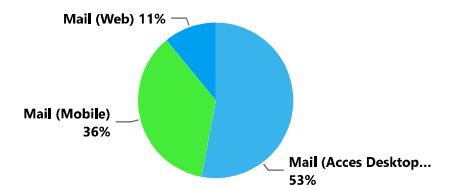
Teams Access 30 Days



Intune and Azure AD registered Devices (60 Days on Approx. LastSignin Date)



Mail Access 30 Days



1.1

Teams CallCount per User (Per Day)

84

OneDrive Avg. ActiveFileCount Per User / Month

4 797

SharePoint Site Count

30

Email receivecount per User (Per Day)

1.2

Teams Meeting Count per User (Per Day)

43

OneDrive Storage Average per User

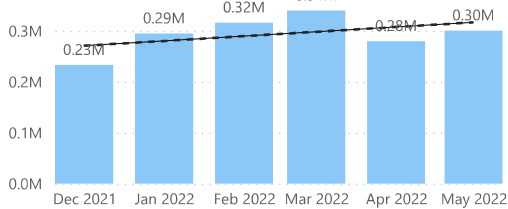
178K

SharePoint Page View Count

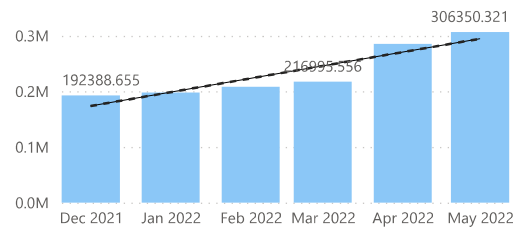
4.3

Email SendCount per User (Per Day)

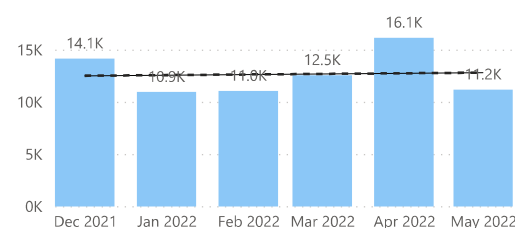
TeamsMeeting Count by Month



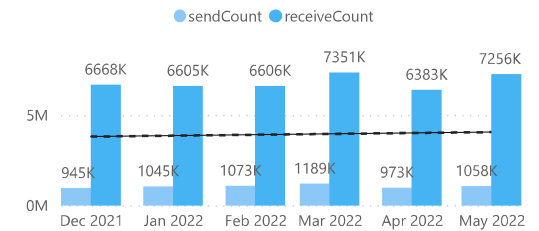
OneDrive Storage



SharePoint Active File Count



E-Mail Send and Receive Count



Company, Country, Department & Job Title (by Cost)

A view of the Active Directory classification of accounts (right 3 columns), looking at Company Name, Department and Job Title, and the mapping of these to the AI/System tag Country. This highlights the opportunities to use custom tags to streamline the environment without any changes to the AD tags.

Examples of Company details available by license cost, views are available from all key identifiers and can be summarised by customised data tags.

16K

Active Accounts (Enabled)

9 160

M365 Accounts (With Licenses, enabled and disabled)

£271,157

Total M365 License Investment (Month)

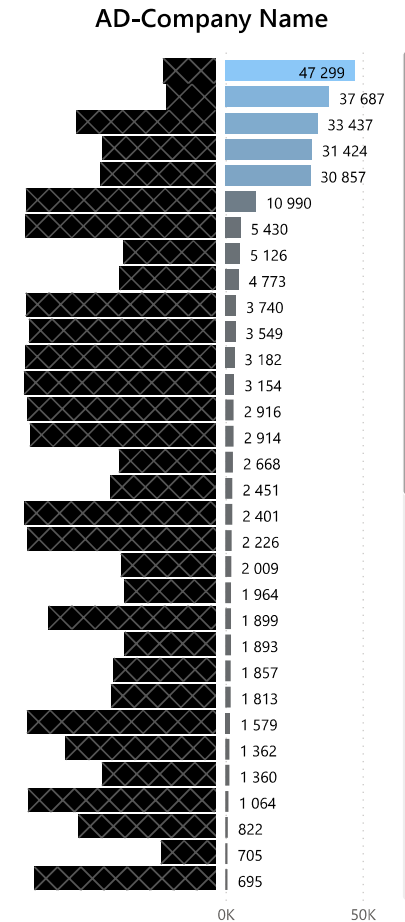
£259,131

Assigned License Total



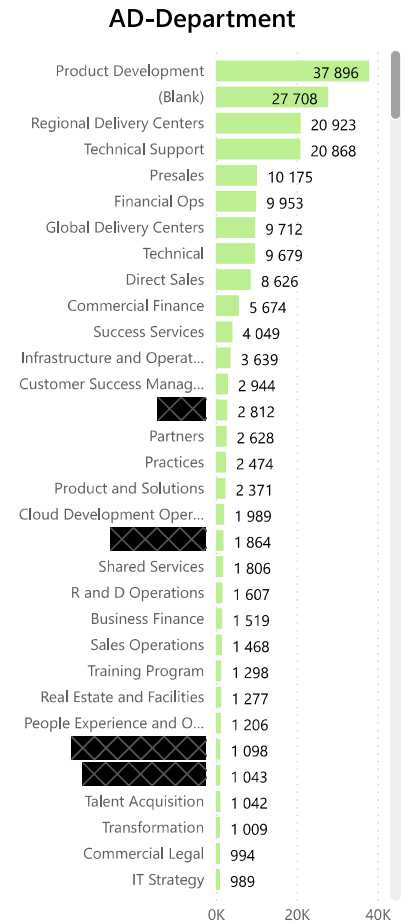
56

Count of TAG-Country



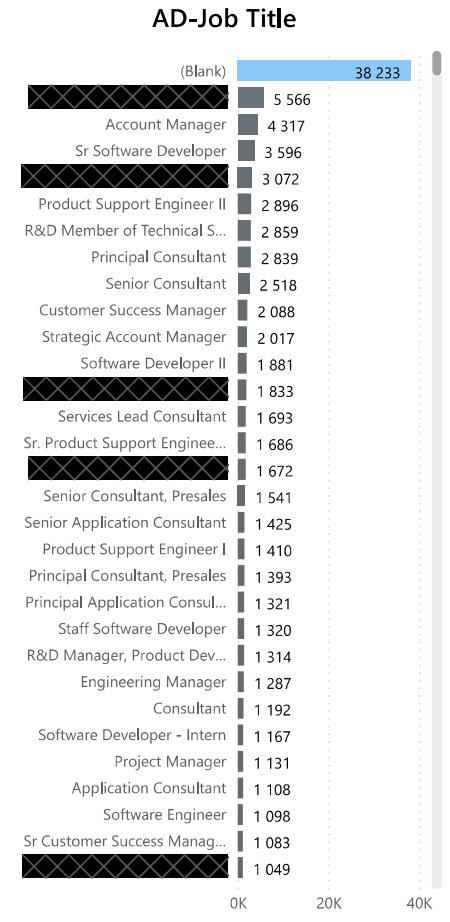
75

Count of AD-Company Name



516

Count of AD-department



2851

Count of AD-jobTitle

Assigned Administration Roles in M365

A high level view of key administrative roles by country, highlighting and accounts without MFA and administrative coverage across the organisation.

TAG-Country	Count Accounts	MFA Not Enabled	Roles (Company Administrator - No MFA)	Roles (Company Administrator)	Roles (Exchange Administrator)	Roles (Helpdesk Administrator)	Roles (License Administrator)	Roles (Service Support Administrator)	Roles (User Account Administrator)	Active User (<30D Account activity)
India	28		0	2	2	8	0	0	0	25
United States	30	3	1	5	2	1	1	0	0	24
	44	22	2	5	1	1	1	16	0	1
Malaysia	13		0	2	1	3	2	1	0	11
not defined	5	1	0	0	1	0	0	0	0	5
Canada	3		0	0	0	0	0	0	0	3
China	1		0	0	0	0	0	0	0	1
Czech Republic	1		0	0	0	0	0	0	0	1
Germany	6		0	0	0	0	0	0	0	5
Ireland	2	2	0	0	0	0	0	0	0	2
Japan	2		0	1	0	0	0	0	0	1
Korea, Republic of	1		0	0	0	0	0	0	0	1
Netherlands	3	2	0	0	0	0	0	0	0	3
Total	183	38	4	17	7	18	7	20	0	122

Additional administrative roles exist, not displayed, total administrators are the key roles shown above plus additional roles. Administrators can be assigned multiple administrative roles

			Multi-Factor Authentication		Administrative Coverage	
183	17	18	38	86		
Total Administrators	Company Administrators	Helpdesk Administrators	All Roles - no MFA	Accounts User per Administrator		
			4	11.6		
			Company Administrator - No MFA	Accounts with Admin Roles per 1000 enabled accounts		

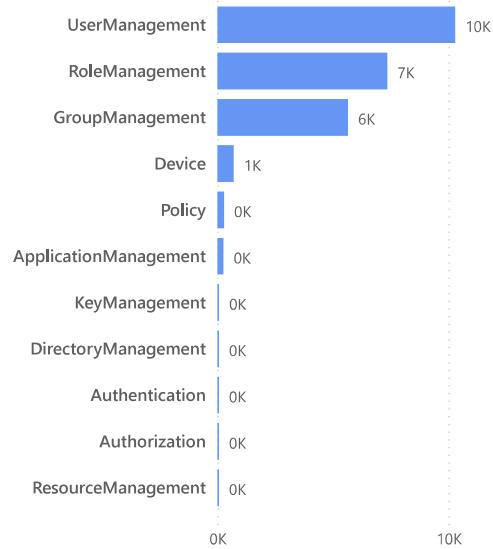
Administrative Actions

A detailed view of all administrative roles, with a count of administrative activities carried out per role, including an overview of categories and services impacted by the changes.

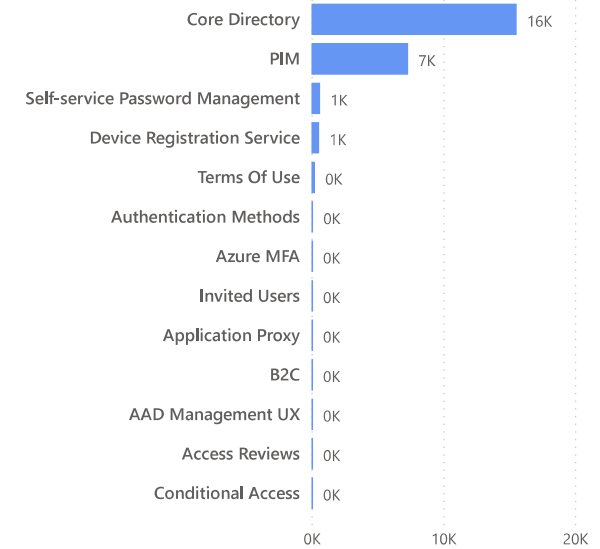
Administrative Roles Count and Last Usage (with Account Details)

Administrative Role	Count Activities	Accounts Performing Activities	Average of Last Account Activity (Days)
Directory Synchronization Accounts	8113	5	-106
Azure AD Joined Device Local Administrator	3593	17	-8
Teams Administrator	2568	19	-20
Exchange Administrator	976	6	-8
Exchange Recipient Administrator	768	1	-1
Global Reader	357	19	-44
Helpdesk Administrator	335	18	-20
Intune Administrator	273	18	-23
Teams Communications Administrator	211	7	-27
Global Administrator	175	17	-99
User Administrator	115	20	-2
Security Administrator	97	19	-17
SharePoint Administrator	90	16	-35
Reports Reader	85	12	-7
Teams Communications Support Engineer	58	2	-2
Teams Communications Support Specialist	58	2	-2
Teams Devices Administrator	58	5	-4
Security Reader	57	12	-37
Desktop Analytics Administrator	34	4	-6
Office Apps Administrator	22	1	-8
Application Administrator	18	12	-27
Service Support Administrator	14	20	-737

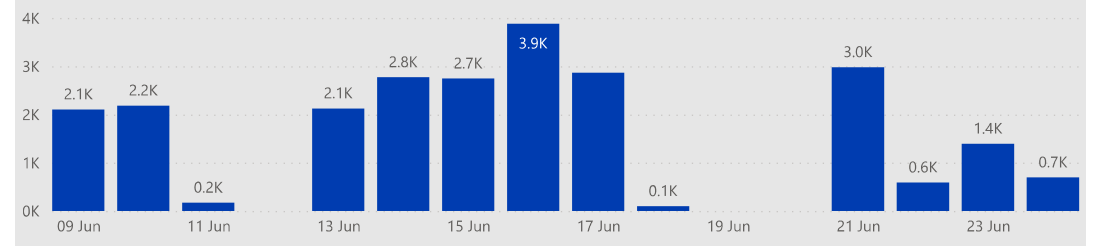
Action by Category



Action by Service



Activity by Time



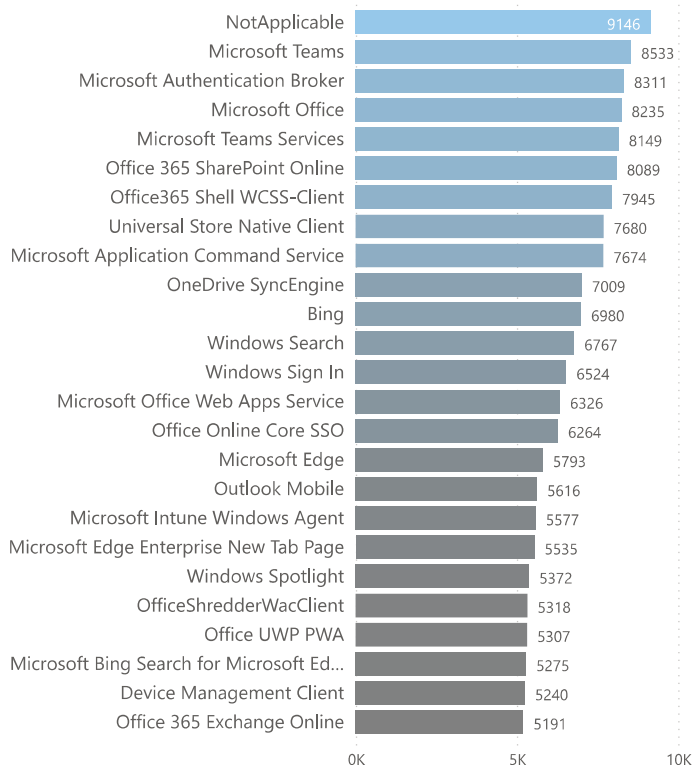
Cloud Application Usage

A view of applications used to access web apps linked to the accounts UPN, the view includes both top and bottom 25 applications and geographic distribution.

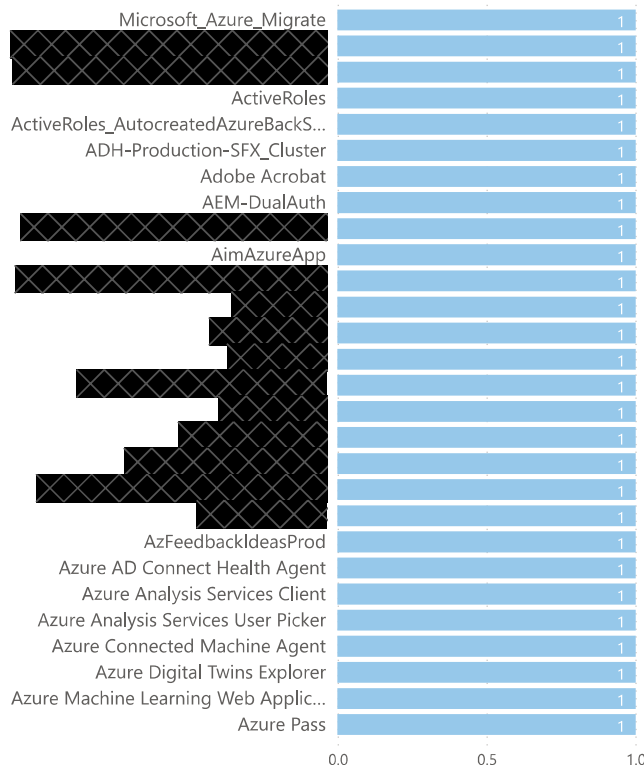
720

Count of Cloud Apps

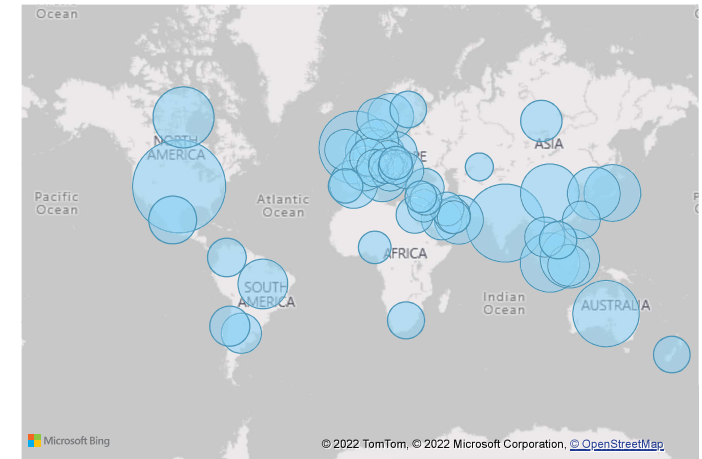
Top 25 Cloud Apps (Sum of Accounts)



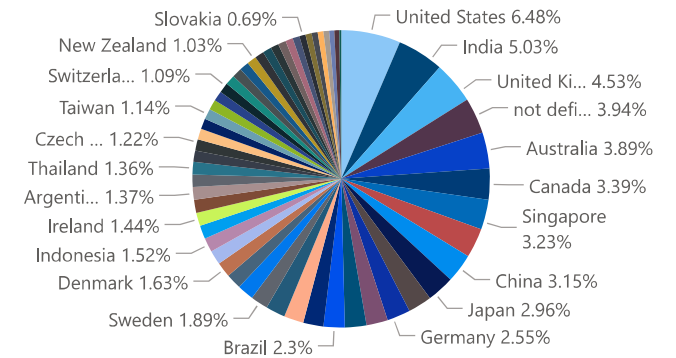
Bottom 25 Cloud Apps (Sum of Accounts)



Application Distribution



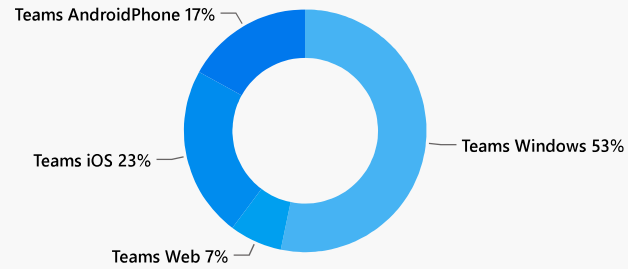
Use by Country



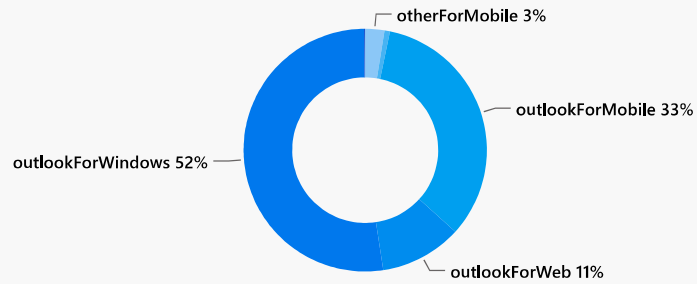
Hardware & Product Heatmaps and Usage Breakdowns

Overview of methods used to access Teams, Mail and applications, plus devices used to access services.

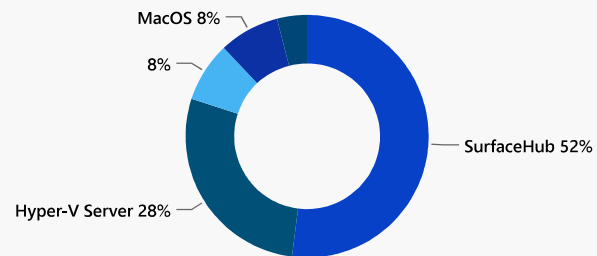
Teams Device Summary (30 Days)



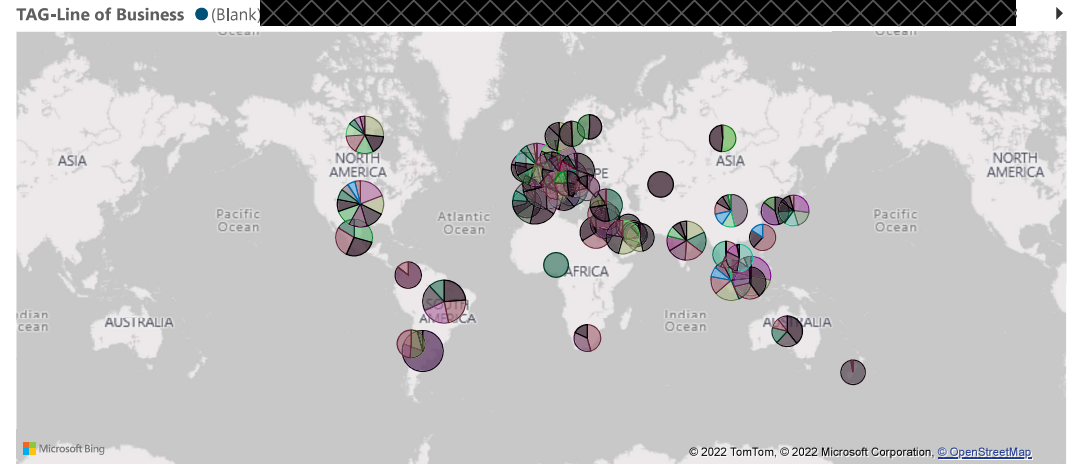
Mail Device Summary (30 Days)



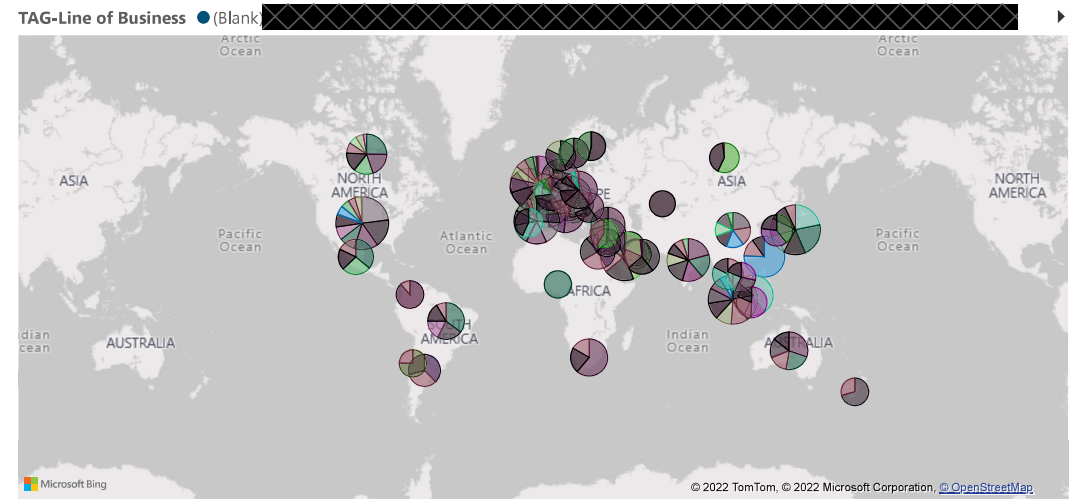
Top 5- Azure AD Registered Devices (30 Days)



Teams Meetings Per User



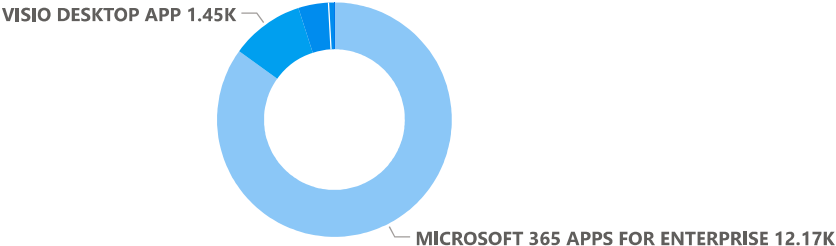
Email - Send Per Account/Day



Product Activation Summary

Overview of activation of M365 products on devices, with a summary of activations by OS.

Product Activations



12 169
Accounts Eligible for Proplus Activations

11 344
Accounts With Proplus Activations

1 452
Accounts Eligible for Visio Activations

912
Accounts With Visio Activations

597
Accounts Eligible for Project Activations

419
Accounts With Project Activations



Power Platforms

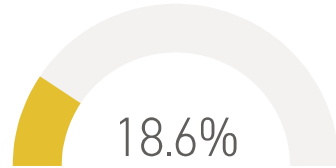
Summary of Power Platform applications, looking at number of accounts accessing over time and the apps used within the app categories.

1472

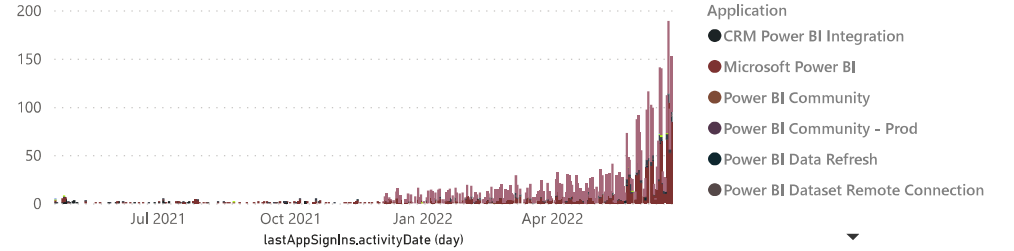
Power BI accounts active in less than 30 days

① 11 Power BI related Apps in use

Power BI Users % of all active / licensed



Power BI Activity

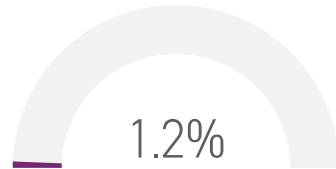


97

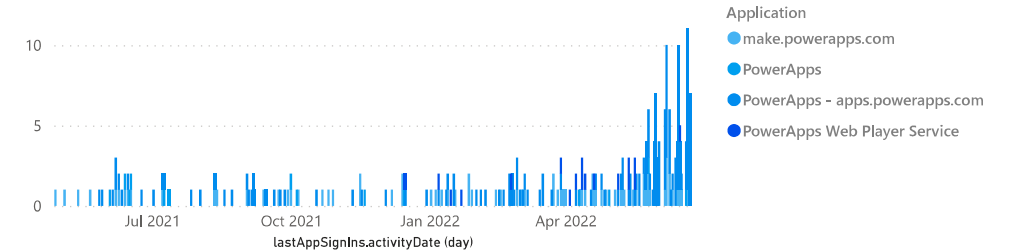
Accounts accessed PowerApps in less than 30 days

① 4 PowerApps related Apps in use

PowerApps users % of all active / licensed



PowerApps Activity

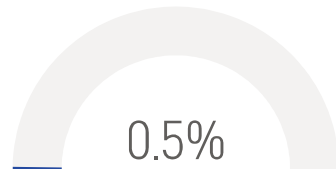


38

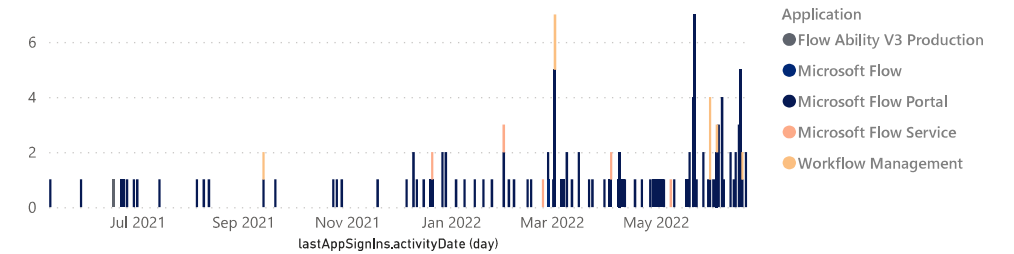
Accounts accessed Power Automate in less than 30 days

① 5 Power Automate related Apps in use

Power Automate users % of all active / licensed



Power Automate Activity



Office Application Access

Summary of use of M365 apps across the environment, with an overview of methods used to access plus combinations of access method.

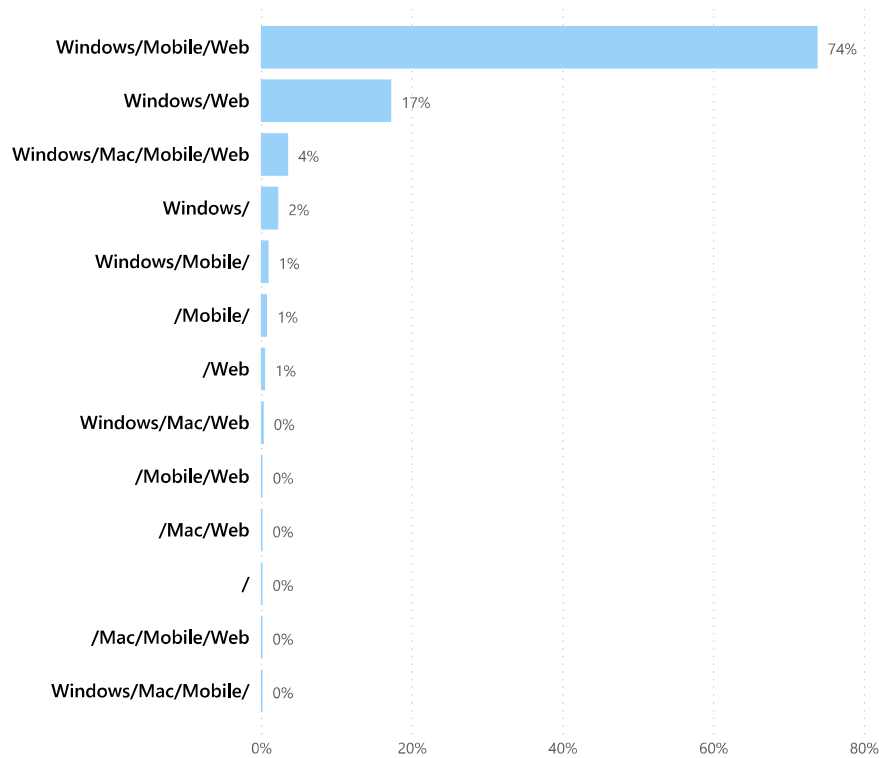
Distinct Accounts by OS



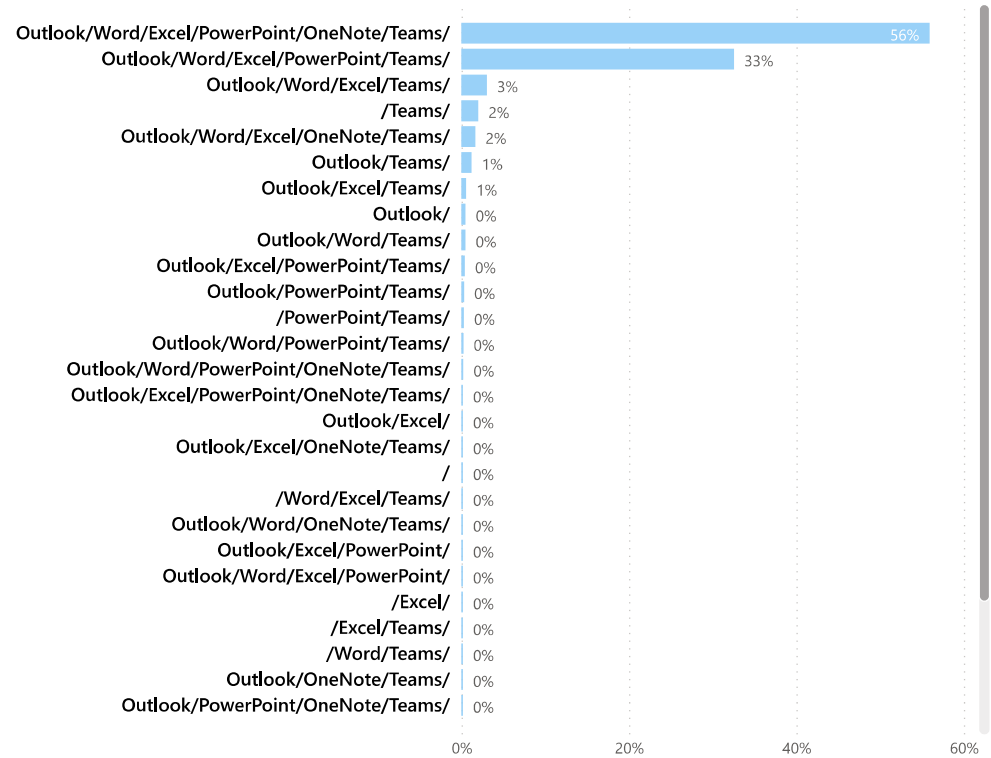
Distinct Accounts by Application



Windows Application Access Groupings by OS Summary



Windows Application Groupings by Account



Account Examples

Examples of underlying account details available for further data analysis, user profile is used as a representation of account name.

Active User Example

user Profile (Will display Account Name in Live Data)	Active User (<30D Account activity)	Account Enabled	Assigned M365 License Count	OneDrive Days Since Last Used	Exchange Days Since Last Used	SharePoint Days Since Last Used	Skype Days Since Last Used	Yammer Days Since Last Used	Teams Days Since Last Used	Total ProPlus Activations	Total Project Activations	Total Visio Activations	License Optimisation
Not Defined	1		3	-412	-8	-287	-616		-18	1	0	0	Active - licensed with Recent Account & Product Used
Not Defined	1		4	-401	-5	-9	-765	-10	-9	10	0	0	Active - licensed with Recent Account & Product Used
Not Defined	1		3	-367	-5	-521			-141	4	0	0	Active - licensed with Recent Account & Product Used
Not Defined	1		3	-365	-140	-136			-37	1	0	0	Active - 30-44D No App usage (Not using O365 Products?)
Not Defined	1		3	-332	-228	-457		-218	-85	1	0	0	Active - 45-89D No App usage (Not using O365 Products?)
Not Defined	1		4	-331	-10	-23		-16	-5	1	0	0	Active - licensed with Recent Account & Product Used
Not Defined	1		4	-322	-7	-259	-722	-287	-64	8	0	0	Active - licensed with Recent Account & Product Used
Not Defined	1		3	-315	-9	-164		-11	-164	2	0	0	Active - licensed with Recent Account & Product Used
Not Defined	1		3	-305	-7	-305			-18	2	0	0	Active - licensed with Recent Account & Product Used
Total	7642	7632	33 225		-51101					33 127	519	1 141	

Inactive User Example

user Profile (Will display Account Name in Live Data)	Active User (<30D Account activity)	Account Enabled	Assigned M365 License Count	OneDrive Days Since Last Used	Exchange Days Since Last Used	SharePoint Days Since Last Used	Skype Days Since Last Used	Yammer Days Since Last Used	Teams Days Since Last Used	Total ProPlus Activations	Total Project Activations	Total Visio Activations	Assigned Licenses	Apps Summary
Not Defined	0		1	-190	-179	-182		-184	-182				Microsoft Flow Free	Outlook/Word/Excel/Teams/
Not Defined	0		1	-189	-189	-189		-189	-186				Exchange Online (Plan 1)	Outlook/Word/Excel/PowerPoint/Teams/
Not Defined	0		1	-169	-155	-157		-156	-154				Microsoft Flow Free	Outlook/Word/Excel/PowerPoint/OneNote/Teams/
Not Defined	0		1	-156	-154	-162		-163	-154				*PRICING NOT NEEDED* Microsoft Stream Trial	/Teams/
Not Defined	0		1	-151	-144	-155	-652		-149	1	0	0	Enterprise Mobility + Security E5	Outlook/Word/Excel/Teams/
Not Defined	0		1	-151	-144	-155	-652		-149	1	0	0	Office 365 Enterprise E5	Outlook/Word/Excel/Teams/
Not Defined	0		1	-151	-144	-155	-652		-149	1	0	0	Windows 10 Enterprise E5	Outlook/Word/Excel/Teams/
Not Defined	0		1	-147	-144	-164		-205	-137				*PRICING NOT NEEDED*	Outlook/Word/Excel/PowerPoint/Teams/
Total	0	0	41		-2875					1	9	0		