# Microsoft Cloud Reference Architecture Guide

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Contributors: Jeff Dyas, Ramon Infante, and many more to move from the dedication section to this section. This is a living document, the one document to rule them all. Much like our cloud services evolve, so will this document.

Dedication: This paper was written to honor many Microsoft individuals and teams who have inspired me to do bigger and better things. Thank you, this is the best family and best company in the world. Never forget who got you here and where you are today, or where you plan to go in the future. Thank you to Microsoft, Premier Field Engineering, Enterprise and Partner Group, Exchange Product Group (Go TEAM Red Bull!), Exchange Center of Excellence (EXRAP 15 years and counting!!), Exchange Rangers, Americas Cloud Services, and the Modern Workplace Specialty Team Unit in Financial Services (the best team ever, no questions asked), The Pennsylvania State University, the United States Army, AROTC AIG, PSUVO, 101st Airborne Division (Air Assault), Infantry Office Basic Course, Air Assault School, Disabled Veterans Assistance Program and the Boy Scouts of America. Thank you to my family and friends who have been next to me, or in front of my driving my internal fire to chase them. Thank you for those who picked me up when I fell down, or lost my phone, or my wallet, or might have taken a nap in a closet, silly Cinco. Don’t quit, never give up, lead, follow or get out of the way. Live by the Ranger creed. A tribute to those friends and family we’ve lost to age, disease, or war, Andrew Ehrensing, Kurt Preisler, Brian Faunce and Michael Murphy. This is for all of you.

Thank you to the following: Bill Denlinger, Vishal Sharma, Ramon Infante, Phillip Renouf, Darryl Kegg, Ross Smith, Jeff Mealiffe, Allen Mock, Bruce Ostrowski, Eric Brown, James Singh, Johanson Sandrasagra, Lori Gowin, Mike Kollver ,Sash Mohapatra, Tariq Hameed, Tyler Cooper, Neil Axelrod, Michael Hildebrand, Ken Brumfield, Greg Taylor, Scott Andersen, Todd Wanke, Rick Bohdanowicz, LJ Marinello, Scott Smith, Bryan Zink, John Rodriguez, Butch Waller, Chris von Seggern, Jim Bernardo, DFWL, Brandon Hoff, Julie (DFWJ) White, Michelle Bozeman, Maria V. Young, Andrew Piskai, David Whitney, Beatriz Naranjo Fernandez, Ryan Stein, Jason Pope, Rob Martin, Tim Farmer, Jason Dumbrigue, John Gilbert, Denny Dayton, Jeff Rosen, Ross Smith, Andrew Pedisich, John Borror, Mark Clancy, Mark Campbell, Robert Pfeiffer, Russell Wilder, Michael Mavracick, Microsoft Executive Leadership, and so many more.

# Disclaimer

This document is a living evolving document. If you’d like to help, let me know- LouM@microsoft.com

# How did we get here?

Microsoft’s cloud journey began in 2005 when hosting a single company’s mailboxes on Exchange Servers managed by Microsoft. It has had many names over the years, currently called Microsoft 365.

# Microsoft 365

<https://www.microsoft.com/en-us/microsoft-365/enterprise>

[https://www.microsoft.com/en-us/microsoft-365/roadmap?filters=](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__www.microsoft.com_en-2Dus_microsoft-2D365_roadmap-3Ffilters-3D%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3D7bkl2adKzBNAzScisRfMaKMw31jjR33WfWhw-dUXC60%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575229035&sdata=bpnVMVnivMhGdPfAYkcUK6o2mGyo6%2BhFbcoLwCzNAFk%3D&reserved=0)

# Microsoft Azure

<https://azure.microsoft.com/en-us/>

# Microsoft Dynamics

<https://dynamics.microsoft.com/en-us/>

# Reference Links

These will eventually be organized when I get time, or if you want to help, let me know.

Azure Reference Architectures: <https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/>

Microsoft Cloud IT Architecture Resources: Learn core cloud architecture concepts for Microsoft identity, security, networking, and hybrid. Review prescriptive recommendations for protecting files, identities, and devices when using Microsoft's cloud. Learn how to deploy a modern and secure desktop with Windows 10 and Office ProPlus.

These architecture tools and posters give you information about Microsoft cloud services, including Office 365, Windows 10, Azure Active Directory, Microsoft Intune, Microsoft Dynamics 365, and hybrid on-premises and cloud solutions. IT decision makers and architects can use these resources to determine the ideal solutions for their workloads and to make decisions about core infrastructure components such as identity and security.

[Microsoft cloud for enterprise architect’s series](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23cloudarch&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591729924&sdata=ZmaBdmH7ExU64ei6YDiKsstuvkbjZlpMnqPNs5aq8iY%3D&reserved=0)

[Microsoft cloud identity for enterprise architects](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23identity&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591729924&sdata=hOEf8f%2F2gnfOXrJzRZ3MI7XZdKmmJYmlv3QpgtKXDZA%3D&reserved=0)

[Microsoft cloud security for enterprise architects](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23security&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591739921&sdata=Qwd4fQxMZG2krwH%2FdI%2BNyOZEjqPfe84ji%2B0YTUfPbnE%3D&reserved=0)

[Microsoft cloud networking for enterprise architects](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23networking&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591749914&sdata=TFDRloBGpbpqLiIzWHMH%2FDVouxE1amvm0dDgUw9u0VY%3D&reserved=0)

[Microsoft hybrid cloud for enterprise architects](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23hybrid&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591749914&sdata=2tplc8LHbOVYv9pWVFb9RHn9DSqZLf0BfmD%2BzvJcF8o%3D&reserved=0)

[Common attacks and Microsoft capabilities that protect your organization](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23common-attacks-and-microsoft-capabilities-that-protect-your-organization&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591759915&sdata=BnDK%2FJCI4CMyy8pruFqgRiYFsxI%2FwfUQedU0pqpJLZU%3D&reserved=0)

[Microsoft 365 enterprise solution series](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23BKMK_o365solutions&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591759915&sdata=oBy7%2FcjvyrsaMfRUdZby5Twz01W5vXVjponRPlmezZg%3D&reserved=0):

[Identity and device protection for Office 365](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23BKMK_O365IDP&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591769902&sdata=2KXgFxy85%2BRDzsBOC02%2BunVOKxyEQnXZHTL6bZp%2Bqxg%3D&reserved=0)

[File protection solutions in Office 365](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23BKMK_O365fileprotect&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591769902&sdata=IvWto0uq2Bh%2FJ2RZKGj9djsBNZbJ5Pw%2BBOnKGRw6TJ0%3D&reserved=0)

[Office 365 Information Protection for GDPR](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23office-365-information-protection-for-gdpr&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591779895&sdata=4Y%2B0P9tooV2Cr%2FaVi3oV5A6TsHFHsR24py8L7WSzyco%3D&reserved=0)

[Microsoft Security Guidance for Political Campaigns, Nonprofits, and Other Agile Organizations](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23microsoft-security-guidance-for-political-campaigns-nonprofits-and-other-agile-organizations&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591779895&sdata=3jpjGAx%2BnQglfyag6krUET2GLikmlv5Hb%2F8nG5miByo%3D&reserved=0)

[Microsoft Telephony Solutions](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23microsoft-telephony-solutions&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591789885&sdata=pz4ufRDYfJmn9S1LlfjuLehNPqvsXkwZ%2FEPcerWmjsc%3D&reserved=0)

[Deploy a modern and secure desktop with Microsoft](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Foffice365%2Fenterprise%2Fmicrosoft-cloud-it-architecture-resources%23msd&data=02%7C01%7Cloum%40microsoft.com%7Cd0234cdc60a6466f78da08d74e4d2651%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637063965591789885&sdata=Ukw%2BreSE46RjVJUa6HBHnR8PyvEWQD%2BlhaLF9vjFZA4%3D&reserved=0)

[Microsoft Cloud IT Architecture](https://docs.microsoft.com/en-us/office365/enterprise/microsoft-cloud-it-architecture-resources)

[Networking](https://docs.microsoft.com/en-us/office365/enterprise/office-365-networking-overview)

[Express Route](https://aka.ms/ErGuidance)

[Office 365 Network Bandwidth](https://aka.ms/bandwidth)

[Network Connectivity](http://connectivity.office.com)

[Using hybrid Modern Authentication with Outlook for iOS and Android](https://aka.ms/hmaom)

[Azure Active Directory Data White Paper](https://aka.ms/aaddatawhitepaper)

<https://github.com/Identity-Deployment-Guides/Identity-Deployment-Guides>

Power BI- including where data is stored and the flow and movement: [https://docs.microsoft.com/en-us/power-bi/whitepaper-powerbi-security](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fpower-bi%2Fwhitepaper-powerbi-security&data=02%7C01%7Cloum%40microsoft.com%7Cf62d24257b0d4174f61c08d7385d728f%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637039846320177010&sdata=43Mzb5%2Bu7yVxStm2Ppa3qRdHQN5rYVFc6l4%2FA9%2BVEbY%3D&reserved=0).

Power BI Enterprise deployment whitepaper. This details many scenarios and methods of securing data. <https://go.microsoft.com/fwlink/?linkid=2057861>.

Power BI GDPR whitepaper. This whitepaper details the compliance of Power BI with Global Data Privacy Restrictions. (PII Data) [https://servicetrust.microsoft.com/ViewPage/TrustDocuments?command=Download&downloadType=Document&downloadId=5bd4c466-277b-4726-b9e0-f816ac12872d&docTab=6d000410-c9e9-11e7-9a91-892aae8839ad\_FAQ\_and\_White\_Papers](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fservicetrust.microsoft.com%2FViewPage%2FTrustDocuments%3Fcommand%3DDownload%26downloadType%3DDocument%26downloadId%3D5bd4c466-277b-4726-b9e0-f816ac12872d%26docTab%3D6d000410-c9e9-11e7-9a91-892aae8839ad_FAQ_and_White_Papers&data=02%7C01%7Cloum%40microsoft.com%7Cf62d24257b0d4174f61c08d7385d728f%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637039846320177010&sdata=0djR%2FpG0C2iBrrZH71dLFqIQPJY8JycKKUmtEWJerO4%3D&reserved=0)

## Microsoft Cloud App Security

[MCAS Documentation](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttp-3A__www.aka.ms_mcastech%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3DH6nm_Ptxbrda8Av9se6gaPOaBE-zSq7XSdG4OxJMjYs%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575418929&sdata=Db%2Fx4LELUUdZBoosxPVPxr1bXd5ZfjkFjMYMvqHr1sE%3D&reserved=0)

[MCAS Blog](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttp-3A__www.aka.ms_mcasblog%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3DDENBrrYsI5dSNJJBcc1zm8JHWoQUj4kDFzlgi8mijEc%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575418929&sdata=UxBhxsViCmPFCv66jiSj6rYqgnwk0jvhjqVp3E6NuQI%3D&reserved=0)

[MCAS Webinar Series](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__techcommunity.microsoft.com_t5_Microsoft-2DCloud-2DApp-2DSecurity_MCAS-2DWebinar-2DRecordings_m-2Dp_364012%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3Dfts4ZXBO6hMA0qrcGo2dkLwoYiBroakXKU9sz4mccOM%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575428923&sdata=629XHaryqQYKdq4Ydjfp4M%2F9GArE9CPVmSlQHiNCpR4%3D&reserved=0)

[MCAS RSAC 2019](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__techcommunity.microsoft.com_t5_Enterprise-2DMobility-2DSecurity_Microsoft-2DCloud-2DApp-2DSecurity-2DRSAC-2D2019_ba-2Dp_360860%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3D9ZFKpFA4OsxYx8VGyZage8l-QFr0cO6pe5IdAXrpzgQ%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575428923&sdata=qpvJngN2MKbwkFzEwWi9wdyFcHZ6wZa3OPQu6ttkYxA%3D&reserved=0)

[MCAS Video](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__www.youtube.com_watch-3Fv-3DHkPDidBQ4Zs%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3DWlX56dXA0BxC8QCai-VR0tncF8tt4anzvMr2d-DbNVY%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575438917&sdata=8c5KUc7bgl8kNtydkobFYa3z0j6lW6iDqYOMUXcMyew%3D&reserved=0)

[Microsoft Security Intelligence Report, Volume 24](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__go.microsoft.com_fwlink_p_-3Flinkid-3D2073747%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3D97GFdJuNP0BwvsC4WC1ZDz3Ve7xa-wmfay8QDLr6ysY%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575438917&sdata=rID21dhqAhDuSTWodvVJsolTzjzC4mENrRNFsBz2iO8%3D&reserved=0)

[MCAS and AIP Datasheet](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__query.prod.cms.rt.microsoft.com_cms_api_am_binary_RWtV9r%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3DgKKPy1BZNHK7R0Pl2jlPMviJlkEmCYr6CWB-oW1B8f0%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575438917&sdata=XPoBFQDdX%2FFY%2Fl%2FU3MsZlPN2r1615c1xy0UZ3F%2BF%2F8Y%3D&reserved=0)

## Information Protection

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Azure Information Protection labs and guides

[https://techcommunity.microsoft.com/t5/Azure-Information-Protection/Azure-Information-Protection-Deployment-Acceleration-Guide-v1-1/ba-p/661751](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__techcommunity.microsoft.com_t5_Azure-2DInformation-2DProtection_Azure-2DInformation-2DProtection-2DDeployment-2DAcceleration-2DGuide-2Dv1-2D1_ba-2Dp_661751%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3D70jnjJnMzC1cDvK3oZS8eH88Mwp1NPKRSblumzDLSxw%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575318983&sdata=RBYzanH%2Fd99MdLYfG8tbGxvwZykO78mJOQ9TMkkUtHw%3D&reserved=0)

Docs

[https://docs.microsoft.com/en-us/azure/information-protection/what-is-information-protection [docs.microsoft.com]](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__nam06.safelinks.protection.outlook.com_-3Furl-3Dhttps-253A-252F-252Furldefense.proofpoint.com-252Fv2-252Furl-253Fu-253Dhttps-2D3A-5F-5Fdocs.microsoft.com-5Fen-2D2Dus-5Fazure-5Finformation-2D2Dprotection-5Fwhat-2D2Dis-2D2Dinformation-2D2Dprotection-2526d-253DDwMFAg-2526c-253DMrQrGL4Bt1iC3sN-5FevS3dQ-2526r-253D3DUHVZhJDic04dSB2g6jgmCCEnwtQScTlTQwReUrODE-2526m-253DPq3-5F4Z2Vnh53gOu9T-5FH4mC7YpCa2qXp84F1EsYufOqI-2526s-253DUQPsaxqEn7VBdJuw7A-2DbhQsZ4maMcJfp-5F4uLHwhJz7E-2526e-253D-26data-3D02-257C01-257Cloum-2540microsoft.com-257Cc2f60774db1d40a487c908d6b1221f2f-257C72f988bf86f141af91ab2d7cd011db47-257C1-257C0-257C636891157456047070-26sdata-3DoOFMqfHoDz0C7MPz0cg8rv2uIv2WuKNjlQvVYyIz-252B6I-253D-26reserved-3D0%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3Dnbw9Dy4-ZdWimZjMX4dbEi3jb_2eX5-0msjHHVQlLY4%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575328979&sdata=E1MZNuj%2BeL7tFIgV3DzH024t2bJ8C%2BxqFtCvloyhiKQ%3D&reserved=0)

Azure Information Protection: How-to-guides

[https://docs.microsoft.com/en-us/azure/information-protection/how-to-guides [docs.microsoft.com]](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__nam06.safelinks.protection.outlook.com_-3Furl-3Dhttps-253A-252F-252Furldefense.proofpoint.com-252Fv2-252Furl-253Fu-253Dhttps-2D3A-5F-5Fdocs.microsoft.com-5Fen-2D2Dus-5Fazure-5Finformation-2D2Dprotection-5Fhow-2D2Dto-2D2Dguides-2526d-253DDwMFAg-2526c-253DMrQrGL4Bt1iC3sN-5FevS3dQ-2526r-253D3DUHVZhJDic04dSB2g6jgmCCEnwtQScTlTQwReUrODE-2526m-253DPq3-5F4Z2Vnh53gOu9T-5FH4mC7YpCa2qXp84F1EsYufOqI-2526s-253Dx4SmL4egJSVjsNlH4QKbJWG7pgCfVsw5UBBW6aOly9k-2526e-253D-26data-3D02-257C01-257Cloum-2540microsoft.com-257Cc2f60774db1d40a487c908d6b1221f2f-257C72f988bf86f141af91ab2d7cd011db47-257C1-257C0-257C636891157456057074-26sdata-3DSVukU3oaMF6dw5rPZl5lHuxpVoiR2eb9fvkud11ZEvE-253D-26reserved-3D0%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3DJoQMMoLQRvcjuy-p6WQeuBgFmHe-bZN3XPb43h-JnMc%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575328979&sdata=CSqlIQSZEY1fhd6FosOZ4jDI%2Ba%2FdmyQz3H%2FhtheWFLI%3D&reserved=0)

Two really good lab options

[https://github.com/kemckinnmsft [github.com]](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__nam06.safelinks.protection.outlook.com_-3Furl-3Dhttps-253A-252F-252Furldefense.proofpoint.com-252Fv2-252Furl-253Fu-253Dhttps-2D3A-5F-5Fgithub.com-5Fkemckinnmsft-2526d-253DDwMFAg-2526c-253DMrQrGL4Bt1iC3sN-5FevS3dQ-2526r-253D3DUHVZhJDic04dSB2g6jgmCCEnwtQScTlTQwReUrODE-2526m-253DPq3-5F4Z2Vnh53gOu9T-5FH4mC7YpCa2qXp84F1EsYufOqI-2526s-253Dw6y8DRff6-5FwYeWunQAgUmbgySEls6VpDwoObrF8gL8g-2526e-253D-26data-3D02-257C01-257Cloum-2540microsoft.com-257Cc2f60774db1d40a487c908d6b1221f2f-257C72f988bf86f141af91ab2d7cd011db47-257C1-257C0-257C636891157456067082-26sdata-3DrLjYPgi3rmFkJiP3kJRsknGq3uqwz2PHqYXoIRhrXXI-253D-26reserved-3D0%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3D2WV8Kx5f7wvQPSrPRcR1F-6woV9fMw5iy1ZHO4vRJyE%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575338973&sdata=x6tWc2el%2F48hzKOKupFvO1EU2hKTrQlvWgn8DXItYkE%3D&reserved=0)

AIPLab is good for Azure Information Protection and M365HOL3001 is broader across the EMS E5 Suite.

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Aip Scanner -> [https://techcommunity.microsoft.com/t5/Azure-Information-Protection/Discover-Classify-and-Protect-Sensitive-Data-with-the-AIP/ba-p/452284](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__techcommunity.microsoft.com_t5_Azure-2DInformation-2DProtection_Discover-2DClassify-2Dand-2DProtect-2DSensitive-2DData-2Dwith-2Dthe-2DAIP_ba-2Dp_452284%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3DF3lm2Q8Nj-5vVsgmBPAZbe1r6i79XcDa0RXa9T-v5fY%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575348967&sdata=eN%2BkbaIRKx5RB48UGTCpTWZtPFuTcfvXtZsjulpOlyY%3D&reserved=0) and [https://docs.microsoft.com/en-us/azure/information-protection/faqs#whats-the-difference-between-windows-server-fci-and-the-azure-information-protection-scanner](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__docs.microsoft.com_en-2Dus_azure_information-2Dprotection_faqs-23whats-2Dthe-2Ddifference-2Dbetween-2Dwindows-2Dserver-2Dfci-2Dand-2Dthe-2Dazure-2Dinformation-2Dprotection-2Dscanner%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3D97HvgsUGMNlaYMQxk0VVggDFG_4mKJIuwSYRuUXih6Y%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575358964&sdata=KOTYWIGIphHxr%2Bz%2BMPQWxvVwderI7HAUyTBlNafbZ%2BA%3D&reserved=0)

How Microsoft Used AIP Scanner-> [https://aka.ms/ScannerShowcase](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__aka.ms_ScannerShowcase%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3DX9NY9LYZahbLLSxIWY81WBcNgh1s4MZTYXoXmv3JYAU%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575358964&sdata=5SQ9n4I7zNaeHsNoTB8uv%2BQBsY8YAjn3oSDEc3VcGtc%3D&reserved=0)

Windows Information Protection -> [https://docs.microsoft.com/en-us/windows/security/information-protection/windows-information-protection/protect-enterprise-data-using-wip](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.proofpoint.com%2Fv2%2Furl%3Fu%3Dhttps-3A__docs.microsoft.com_en-2Dus_windows_security_information-2Dprotection_windows-2Dinformation-2Dprotection_protect-2Denterprise-2Ddata-2Dusing-2Dwip%26d%3DDwMFAg%26c%3D7563p3e2zaQw0AB1wrFVgyagb2IE5rTZOYPxLxfZlX4%26r%3DbryCvPv52pbvd-axagGTlMdyLDhCbY0ZxaIfDK5ndkY%26m%3DGvGUTlqwhhdMkNjBeBQ9ZQIyeWBjddnTmlfIFdCannE%26s%3DZKgfFShMGahAmzdOW3YzrF5qZYdo9RaXrA5zm9mPo6c%26e%3D&data=02%7C01%7Cloum%40microsoft.com%7Cd41d33ee8d76447ea91f08d70f395ef4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636994612575368957&sdata=N5vY4OhhymF8jHH4ttmV6nJXEDDAv2QTQvJtY0iFPNY%3D&reserved=0)