1. **Forest & Domain information Extract forests/domains as there may be multiple:** [*https://learn.microsoft.com/en-us/powershell/module/activedirectory/get-adforest?view=windowsserver2022-ps*](https://learn.microsoft.com/en-us/powershell/module/activedirectory/get-adforest?view=windowsserver2022-ps)

***Get-ADForest | export-csv C:\<path>\1-ForestDomainInfo*\ADForest.csv**

***Get-ADDomainController -Server <SERVER>***

***Copy to text file. ForestInfo.txt***

[***https://learn.microsoft.com/en-us/powershell/module/activedirectory/get-adorganizationalunit?view=windowsserver2022-ps***](https://learn.microsoft.com/en-us/powershell/module/activedirectory/get-adorganizationalunit?view=windowsserver2022-ps)

[***https://www.alitajran.com/get-organizational-units-with-powershell/***](https://www.alitajran.com/get-organizational-units-with-powershell/)

***Active Directory Users and Computers > Screenshot***

***Get-ADOrganizationalUnit -filter \* | Select NAME, DistinguishedName, ObjectClass | export-csv C:\<path>\2-OUs* \OrganizationalUnits.csv**

1. **Group Policies Extract of GPO's and where they are applied:**

***GPOReport -All -ReportType HTML -Path C:\<path>\3-gps\GPOAll.html***

**$guid = (get-gpo -name '[gpo name]').id**

***get-gporeport -guid $guid -reporttype 'html' -path ' C:\<path>\3-GPs*\[*gponame].html'***

1. **Server Counts & Types Domain Controllers - Read Write (RW) and or Read Only (RODC) including Global Catalogue function Member servers - including where they are situated in the directory**

**Sites and Services > select site > servers > export**

***Get-ADDomainController –Filter \* | select ComputerObjectDN,HOSTNAME,DOMAIN,IsReadOnly,FOREST,IPv4Address,OperatingSystem,SITE | export-csv C:\<path>\4-ServerCounts*\ServerCount.csv**

GLOBAL CATALOG:

***Get-ADDomainController -Discover -Service "GlobalCatalog" | export-csv C:\<path>\4-ServerCounts* \GlobalCatalog.csv**

READ WRITE:

***Get-ADDomainController -Filter \* | select NAME,IsReadOnly,IPv4Address | export-csv C:\<path>\4-ServerCounts\ReadWriteDCs.csv***

READ ONLY:

***Get-ADDomainController -Filter {IsReadOnly -eq $true} | Export-Csv C:\<path>\4-ServerCounts\ReadOnlyDCs.csv***

***AD > COMPTERS > FIND > FILTER***

1. **Flexible Single Master Operation (FSMO) roles Extract which Domain Controllers have the roles assigned**

<https://www.comparitech.com/net-admin/query-fsmo-roles-in-ad/>

<https://shellgeek.com/get-list-of-fsmo-role-holders/>

***netdom query fsmo***

***Copy and paste to text file.***

1. **AD Trusts Any trusts that are setup, whether they are in use or not:**

[*https://learn.microsoft.com/en-us/powershell/module/activedirectory/get-adtrust?view=windowsserver2022-ps*](https://learn.microsoft.com/en-us/powershell/module/activedirectory/get-adtrust?view=windowsserver2022-ps)

***Get-ADTrust -Filter \****

Active Directory Domains and Trusts >

Right click domain name > Properties > Trusts tab > Screenshot

1. **Forest Functional Level (FFL) The current version of the FFL**

**AD domains and trusts > Right click domain > properties > Screenshot**

PowerShell:

***get-adforest | fl Name,ForestMode***

1. **Domain Functional Level (DFL) The current version of the DFL**

**AD domains and trusts > Right click domain > properties > Screenshot**

PowerShell:

***get-addomain | fl Name,DomainMode***

1. AD Connect Do you have On Prem AD and do you sync with cloud AAD/M365
2. **Default Domain Policy This will help highlight differences/clashes with password policies, etc across the environments**

**Group Policy > Open domain > Default Domain Policy > Save Report > Default Domain Policy**

1. **Sites & Subnets To establish that there are no clashes/duplicates in use across the environments**

**Sites and Services > Subnets > right click > export**

***Get-ADReplicationSubnet -Filter \* | Select ObjectClass, Name, Site, Location, DistingushedName | export-csv C:\<path>\11-Subnets*\*Subnets.csv***

1. **DHCP Only if integrated with AD only and also static reservations that have been put in manually:**

**DHCP > address pool > export list**

[***Get-DhcpServerInDC***](https://learn.microsoft.com/en-us/powershell/module/dhcpserver/get-dhcpserverindc?view=windowsserver2022-ps) ***| export-csv C:\<path>\12-DHCP*\*ServerinDC.csv***

***Get-DhcpServerv4Scope | export-csv C:\<path>\12-DHCP*\*Scope1.csv***

***Get-DhcpServerv4ExclusionRange | export-csv C:\<path>\12-DHCP*\*ExclusionRange.csv***

***Get-DhcpServerv4Reservation | export-csv C:\<path>\12-DHCP*\*reservations.csv***

1. **DNS Static entries and zone information, including any conditional forwarding configured**

**DNS Manager > export**

***Get-DnsServerZone | export-csv C:\<path>\13-DNS*\*dnsserverzones.csv***

1. **Server Operating Systems versions To include Domain Controllers and Member servers**

<https://www.markou.me/2018/10/export-a-list-of-all-your-windows-server-systems-in-an-ad-environment-using-powershell-one-liners/>

***Get-ADComputer -Filter {OperatingSystem -like "\*windows\*server\*"} -Properties \* | sort DNSHostname | ft DNSHostName, OperatingSystem -Wrap -Auto***

***Copy and paste to text file.***

1. **Workstation Counts Including where they are situated in the directory**

**AD > Computers > right click > export to csv**

***Get-adcomputer -filter \* | select NAME,DistinguishedName,OperatingSystem,OperatingSystemVersion,IPv4Address | export-csv C:\<path>\15-Workstations\WorkstationCounts.csv***

***Get-ADComputer -Filter \* -Property \* | Select-Object NAME,OperatingSystem,OperatingSystemVersion,IPv4Address | Export-CSV C:\<path>\ADcomputerslist.csv -NoTypeInformation -Encoding UTF8***

1. AD integrated applications Any applications that are integrated directly with AD - On

Prem / Cloud

1. **Enterprise Admins Members of the Enterprise Admins group**

**AD > Right click group > export to csv**

***“Schema Admins”, “Domain Admins”, “Enterprise Admins” |***

***foreach {***

***$grpname = $\_***

***Get-ADGroupMember -Identity $\_ |***

***select @{N=’Group’; E={$grpname}}, Name***

***}***

1. **Schema Admins Members of the Schema Admins group**

**AD > Right click group > export to csv**

1. **Domain Admins Members of the Domain Admins group**

**AD > Right click group > export to csv**

1. **Exchange Server**