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This document provides low-level documentation of Active Directory infrastructure in Evotec organization. This document contains general data that has been exported from Active Directory and provides an overview of the whole environment.

# General Information - Forest Summary

Active Directory at Evotec has a forest name ad.evotec.xyz. Following table contains forest summary with important information:

|  |  |
| --- | --- |
| Forest Summary | |
| Name | ad.evotec.xyz |
| Root Domain | ad.evotec.xyz |
| Forest Distingushed Name | DC=ad,DC=evotec,DC=xyz |
| Forest Functional Level | Windows2012R2Forest |
| Domains Count | 2 |
| Sites Count | 3 |
| Domains | ad.evotec.xyz, ad.evotec.pl |
| Sites | KATOWICE-1, GLIWICE, KATOWICE-2 |

Following table contains FSMO servers:

|  |  |
| --- | --- |
| FSMO Roles | |
| Domain Naming Master | AD1.ad.evotec.xyz |
| Schema Master | AD1.ad.evotec.xyz |

Following table contains optional forest features:

|  |  |
| --- | --- |
| Optional Features | |
| Recycle Bin Enabled | False |
| Privileged Access Management Feature Enabled | False |
| Laps Enabled | False |

Following UPN suffixes were created in this forest:

|  |  |
| --- | --- |
| UPN Suffixes | |
| ad.evotec.xyz | Primary / Default UPN |
| evotec.xyz | Secondary |
| evotec.pl | Secondary |

No SPN suffixes were created in this forest.

# General Information - Forest Sites

Forest Sites list can be found below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Protected | Modified | Created |
| KATOWICE-1 | Main location | False | 07/30/2018 15:45:06 | 05/20/2018 09:55:23 |
| GLIWICE | Some description | False | 07/30/2018 15:44:34 | 07/21/2018 19:41:01 |
| KATOWICE-2 |  | False | 07/21/2018 19:41:53 | 07/21/2018 19:41:14 |

Forest Sites list can be found below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Topology Cleanup Enabled | Topology Detect Stale Enabled | Topology Minimum Hops Enabled | Universal Group Caching Enabled |
| KATOWICE-1 | True | True | True | True |
| GLIWICE | True | True | True | True |
| KATOWICE-2 | True | True | True | True |

# General Information - Subnets

Table below contains information regarding relation between Subnets and sites

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Protected | Modified | Created |
| 192.168.240.0/24 |  | True | 07/30/2018 15:28:11 | 07/29/2018 20:40:45 |
| 192.168.241.0/24 |  | False | 07/29/2018 20:41:00 | 07/29/2018 20:40:57 |
| 192.168.239.0/24 | This is my site | False | 07/30/2018 15:27:49 | 07/29/2018 23:13:33 |

Table below contains information regarding relation between Subnets and sites

|  |  |
| --- | --- |
| Name | Site |
| 192.168.240.0/24 | CN=KATOWICE-1,CN=Sites,CN=Configuration,DC=ad,DC=evotec,DC=xyz |
| 192.168.241.0/24 |  |
| 192.168.239.0/24 | CN=KATOWICE-1,CN=Sites,CN=Configuration,DC=ad,DC=evotec,DC=xyz |

# General Information - Site Links

Forest Site Links information is available in table below

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Cost | ReplicationFrequencyInMinutes | ReplInterval | ReplicationSchedule |
| DEFAULTIPSITELINK | 100 | 180 | 180 |  |

# General Information - Domain ad.evotec.pl

# General Information - Domain Summary

Following domain exists within forest :

* + Domain DC=ad,DC=evotec,DC=pl
    - Name for fully qualified domain name (FQDN): ad.evotec.pl
    - Name for NetBIOS: EVOTECPL

# General Information - Domain Controllers

Following table contains domain controllers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Host Name | Operating System | Site | Ipv4 |
| ADPREVIEW2019 | ADPreview2019.ad.evotec.pl | Windows Server 2019 Standard | KATOWICE-2 | 192.168.240.201 |
| DC1 | DC1.ad.evotec.pl | Windows Server 2019 Standard Evaluation | KATOWICE-1 | 192.168.240.238 |
| ADRODC | ADRODC.ad.evotec.pl | Windows Server 2016 Standard | KATOWICE-1 | 192.168.240.207 |

Following table contains FSMO servers with roles for domain ad.evotec.pl

|  |  |
| --- | --- |
| FSMO Roles for ad.evotec.pl | |
| PDC Emulator | DC1.ad.evotec.pl |
| RID Master | DC1.ad.evotec.pl |
| Infrastructure Master | DC1.ad.evotec.pl |

# General Information - Password Policies

Following table contains password policies for all users within ad.evotec.pl

|  |  |
| --- | --- |
| Default Password Policy for ad.evotec.pl | |
| Complexity Enabled | True |
| Lockout Duration | 30 |
| Lockout Observation Window | 30 |
| Lockout Threshold | 0 |
| Max Password Age | 180 |
| Min Password Length | 10 |
| Min Password Age | 0 |
| Password History Count | 10 |
| Reversible Encryption Enabled | False |
| Distinguished Name | DC=ad,DC=evotec,DC=pl |

# General Information - Fine-grained Password Policies

Following table contains Fine-grained password policies

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Complexity Enabled | Lockout Duration | Lockout Observation Window | Lockout Threshold |
| Fine Policy Test | False | 00:30:00 | 00:30:00 | 0 |

# General Information - Group Policies

Following table contains group policies for ad.evotec.pl

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Display Name | Gpo Status | Creation Time | Modification Time | Description |
| Default Domain Policy | AllSettingsEnabled | 07/26/2018 12:59:51 | 05/26/2019 18:34:16 |  |
| Default Domain Controllers Policy | AllSettingsEnabled | 07/26/2018 12:59:51 | 05/26/2019 18:34:16 |  |

# General Information - Group Policies Details

Following table contains group policies for ad.evotec.pl

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Links | Has Computer Settings | Has User Settings | User Enabled |
| Default Domain Policy | ad.evotec.pl | True | False | true |
| Default Domain Controllers Policy | ad.evotec.pl/Domain Controllers | True | False | true |

# General Information - DNS A/SRV Records

Following table contains SRV records for Kerberos and LDAP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Target | NameTarget | Priority | Weight | Port |
| ADPreview2019.ad.evotec.pl | ADPreview2019.ad.evotec.pl | 0 | 100 | 88 |
| DC1.ad.evotec.pl | DC1.ad.evotec.pl | 0 | 100 | 88 |
| ADPreview2019.ad.evotec.pl | ADPreview2019.ad.evotec.pl | 0 | 100 | 389 |
| DC1.ad.evotec.pl | DC1.ad.evotec.pl | 0 | 100 | 389 |

Following table contains A records for Kerberos and LDAP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | IPAddress | IP4Address | Name | Type |
| 192.168.240.201 | 192.168.240.201 | 192.168.240.201 | ADPreview2019.ad.evotec.pl | A |
| 192.168.240.238 | 192.168.240.238 | 192.168.240.238 | DC1.ad.evotec.pl | A |
| 192.168.240.201 | 192.168.240.201 | 192.168.240.201 | ADPreview2019.ad.evotec.pl | A |
| 192.168.240.238 | 192.168.240.238 | 192.168.240.238 | DC1.ad.evotec.pl | A |

# General Information - Trusts

Following table contains trusts established with domains...

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Trust Source | Trust Target | Trust Direction | Trust Attributes | Trust Status |
| ad.evotec.pl | ad.evotec.xyz | BiDirectional | Within Forest | OK |

# General Information - Organizational Units

Following table contains all OU's created in ad.evotec.pl

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Canonical Name | Managed | Manager Email | Protected | Description |
| ad.evotec.pl/Domain Controllers |  |  | False | Default container for domain controllers |
| ad.evotec.pl/Production |  |  | False |  |
| ad.evotec.pl/Production/Groups |  |  | True |  |
| ad.evotec.pl/Production/Users |  |  | False |  |
| ad.evotec.pl/Production/Users-Special |  |  | True |  |

# General Information - Priviliged Groups

Following table contains list of priviliged groups and count of the members in it.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Group Name | Group Category | Group Scope | Group SID | High Privileged Group |
| Administrators | Security | DomainLocal | S-1-5-32-544 | True |
| Network Configuration Operators | Security | DomainLocal | S-1-5-32-556 | False |
| Event Log Readers | Security | DomainLocal | S-1-5-32-573 | False |
| Hyper-V Administrators | Security | DomainLocal | S-1-5-32-578 | False |
| Remote Management Users | Security | DomainLocal | S-1-5-32-580 | False |
| Domain Admins | Security | Global | S-1-5-21-3661168273-3802070955-2987026695-512 | True |
| Group Policy Creator Owners | Security | Global | S-1-5-21-3661168273-3802070955-2987026695-520 | False |
| Backup Operators | Security | DomainLocal | S-1-5-32-551 | True |
| Print Operators | Security | DomainLocal | S-1-5-32-550 | True |
| Replicator | Security | DomainLocal | S-1-5-32-552 | True |
| Account Operators | Security | DomainLocal | S-1-5-32-548 | True |
| Server Operators | Security | DomainLocal | S-1-5-32-549 | True |

# General Information - Domain Users in ad.evotec.pl

## General Information - Users Count

Following table and chart shows number of users in its categories

|  |  |
| --- | --- |
| Users Count | |
| Users Count Incl. System | 7 |
| Users Count | 5 |
| Users Expired | 1 |
| Users Expired Incl. Disabled | 3 |
| Users Never Expiring | 2 |
| Users Never Expiring Incl. Disabled | 2 |
| Users System Accounts | 2 |

## General Information - Domain Administrators

Following users have highest priviliges and are able to control a lot of Windows resources.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Display Name | Name | User Principal Name | Sam Account Name | Email Address |
|  | Administrator |  | Administrator |  |

## General Information - Enterprise Administrators

No Enterprise Administrators users were defined for this domain.

# General Information - Computer Objects in ad.evotec.pl

## General Information - Computers

Following table and chart shows number of computers and their versions

## General Information - Servers

Following table and chart shows number of servers and their versions

|  |  |
| --- | --- |
| Servers Count | |
| Windows Server 2019 Standard | 1 |
| Windows Server 2019 Standard Evaluation | 1 |
| Windows Server 2016 Standard | 1 |

## General Information - Unknown Computers

Following table and chart shows number of unknown object computers in domain.

# Domain Password Quality

This section provides overview about password quality used in ad.evotec.pl. One should review if all those potentially dangerous approaches to password quality should be left as is or addressed in one way or another.

## Password Quality - Passwords with Reversible Encryption

There are no accounts that have passwords stored using reversible encryption.

## Password Quality - Passwords with LM Hash

LM-hashes is the oldest password storage used by Windows, dating back to OS/2 system. There were no accounts found that use LM Hashes.

## Password Quality - Empty Passwords

There are no accounts in ad.evotec.pl that have no password set.

## Password Quality - Known passwords

Domain was tested for the use of known passwords from the list below:

* + P@ssw0rd!

There were no accounts found that match given dictionary.

## Password Quality - Default Computer Password

There were no accounts found that match default computer password criteria.

## Password Quality - Password Not Required

There were no accounts found that does not require password.

## Password Quality - Non expiring passwords

Following account have do not expire password policy set on them. Those accounts should be reviewed whether allowing them to never expire is good idea and accepted risk.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | UserPrincipalName | Enabled | Password Last Changed | DaysToExpire |
| Administrator |  | True |  | 0 |
| Test Test 2 | TestingAD@ad.evotec.pl | True |  | 0 |

## Password Quality - AES Keys Missing

There are no accounts that hvae their Kerberos AES keys missing.

## Password Quality - Kerberos Pre-Auth Not Required

There were no accounts found that do not require pre-authentication.

## Password Quality - Only DES Encryption Allowed

There are no account that require only DES encryption.

## Password Quality - Delegatable to Service

These accounts are allowed to be delegated to a service:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | UserPrincipalName | Enabled | Password Last Changed | DaysToExpire |
| Administrator |  | True |  | 0 |
| krbtgt |  | False |  | -152 |

## Password Quality - Groups of Users With Same Password

There are no 2 passwords that are the same in ad.evotec.pl.

## Password Quality - Leaked Passwords

There were no passwords found that match in given dictionary.

## Password Quality - Statistics

Following table and chart shows password statistics

|  |  |
| --- | --- |
| Password Quality - Statistics | |
| Clear Text Passwords | 0 |
| LM Hashes | 0 |
| Empty Passwords | 0 |
| Weak Passwords | 0 |
| Weak Passwords Enabled | 0 |
| Weak Passwords Disabled | 0 |
| Weak Passwords (HASH) | 0 |
| Weak Passwords (HASH) Enabled | 0 |
| Weak Passwords (HASH) Disabled | 0 |
| Default Computer Passwords | 0 |
| Password Not Required | 0 |
| Password Never Expires | 2 |
| AES Keys Missing | 0 |
| PreAuth Not Required | 0 |
| DES Encryption Only | 0 |
| Delegatable Admins | 2 |
| Duplicate Password Users | 0 |
| Duplicate Password Grouped | 0 |

# General Information - Domain ad.evotec.xyz

# General Information - Domain Summary

Following domain exists within forest :

* + Domain DC=ad,DC=evotec,DC=xyz
    - Name for fully qualified domain name (FQDN): ad.evotec.xyz
    - Name for NetBIOS: EVOTEC

# General Information - Domain Controllers

Following table contains domain controllers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Host Name | Operating System | Site | Ipv4 |
| AD2 | AD2.ad.evotec.xyz | Windows Server 2016 Standard | KATOWICE-1 | 192.168.240.192 |
| AD1 | AD1.ad.evotec.xyz | Windows Server 2016 Standard | KATOWICE-1 | 192.168.240.189 |
| AD3 | AD3.ad.evotec.xyz | Windows Server 2019 Standard Evaluation | KATOWICE-1 | 192.168.240.236 |

Following table contains FSMO servers with roles for domain ad.evotec.xyz

|  |  |
| --- | --- |
| FSMO Roles for ad.evotec.xyz | |
| PDC Emulator | AD1.ad.evotec.xyz |
| RID Master | AD1.ad.evotec.xyz |
| Infrastructure Master | AD1.ad.evotec.xyz |

# General Information - Password Policies

Following table contains password policies for all users within ad.evotec.xyz

|  |  |
| --- | --- |
| Default Password Policy for ad.evotec.xyz | |
| Complexity Enabled | True |
| Lockout Duration | 30 |
| Lockout Observation Window | 30 |
| Lockout Threshold | 0 |
| Max Password Age | 42 |
| Min Password Length | 7 |
| Min Password Age | 1 |
| Password History Count | 24 |
| Reversible Encryption Enabled | False |
| Distinguished Name | DC=ad,DC=evotec,DC=xyz |

# General Information - Fine-grained Password Policies

Following section should cover fine-grained password policies. There were no fine-grained password polices defined in ad.evotec.xyz. There was no formal requirement to have them set up.

# General Information - Group Policies

Following table contains group policies for ad.evotec.xyz

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Display Name | Gpo Status | Creation Time | Modification Time | Description |
| ALL | Enable RDP | AllSettingsEnabled | 08/07/2018 12:47:44 | 08/07/2018 12:47:44 |  |
| ALL | PowerShell Settings | AllSettingsEnabled | 06/16/2018 12:19:39 | 06/16/2018 12:21:08 |  |
| COMPUTERS | Allow use of biometrics | AllSettingsEnabled | 05/20/2018 23:50:07 | 05/20/2018 23:51:22 |  |
| Default Domain Policy | AllSettingsEnabled | 05/20/2018 09:55:29 | 05/20/2018 09:59:46 | Test |
| ALL | Bitlocker Settings | AllSettingsEnabled | 08/07/2018 12:22:23 | 06/14/2019 21:18:24 |  |
| DC | Event Log Settings | AllSettingsEnabled | 05/20/2018 10:13:53 | 12/29/2018 19:31:32 |  |
| DC | Event Log Audit Rules | AllSettingsEnabled | 05/20/2018 10:14:09 | 04/29/2019 13:40:06 |  |
| New Group Policy Object | AllSettingsEnabled | 06/14/2019 21:57:28 | 06/14/2019 21:57:40 |  |
| ALL | Firewall Settings | AllSettingsEnabled | 08/07/2018 16:42:25 | 08/07/2018 16:46:16 |  |
| COMPUTERS | Enable Sets | AllSettingsEnabled | 06/11/2018 13:06:51 | 06/11/2018 13:07:16 |  |
| Default Domain Controllers Policy | AllSettingsEnabled | 05/20/2018 09:55:29 | 08/05/2018 09:55:08 |  |
| Users | Synced Office 365 Users | AllSettingsEnabled | 11/19/2018 22:54:44 | 11/19/2018 23:54:44 | My comment |
| Test | AllSettingsEnabled | 12/27/2018 00:17:38 | 12/27/2018 01:17:38 |  |

# General Information - Group Policies Details

Following table contains group policies for ad.evotec.xyz

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Links | Has Computer Settings | Has User Settings | User Enabled |
| ALL | Enable RDP | ad.evotec.xyz | True | False | true |
| ALL | PowerShell Settings | ad.evotec.xyz | True | True | true |
| COMPUTERS | Allow use of biometrics |  | True | False | true |
| Default Domain Policy | ad.evotec.xyz | True | False | true |
| ALL | Bitlocker Settings | ad.evotec.xyz/Production/Computers;ad.evotec.xyz/Production/Servers;ad.evotec.xyz | True | False | true |
| DC | Event Log Settings | ad.evotec.xyz/Domain Controllers | True | False | true |
| DC | Event Log Audit Rules | ad.evotec.xyz/Domain Controllers | True | False | true |
| New Group Policy Object | ad.evotec.xyz/Production/Users-Offboarded | True | False | true |
| ALL | Firewall Settings | ad.evotec.xyz | True | False | true |
| COMPUTERS | Enable Sets | ad.evotec.xyz/Production/Computers;ad.evotec.xyz | True | False | true |
| Default Domain Controllers Policy | ad.evotec.xyz/Domain Controllers | True | False | true |
| Users | Synced Office 365 Users | ad.evotec.xyz/Production/Users-O365 | False | False | true |
| Test |  | False | False | true |

# General Information - DNS A/SRV Records

Following table contains SRV records for Kerberos and LDAP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Target | NameTarget | Priority | Weight | Port |
| AD1.ad.evotec.xyz | AD1.ad.evotec.xyz | 0 | 100 | 88 |
| AD2.ad.evotec.xyz | AD2.ad.evotec.xyz | 0 | 100 | 88 |
| AD3.ad.evotec.xyz | AD3.ad.evotec.xyz | 0 | 100 | 88 |
| AD2.ad.evotec.xyz | AD2.ad.evotec.xyz | 0 | 100 | 389 |
| AD3.ad.evotec.xyz | AD3.ad.evotec.xyz | 0 | 100 | 389 |
| AD1.ad.evotec.xyz | AD1.ad.evotec.xyz | 0 | 100 | 389 |

Following table contains A records for Kerberos and LDAP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | IPAddress | IP4Address | Name | Type |
| 192.168.240.189 | 192.168.240.189 | 192.168.240.189 | AD1.ad.evotec.xyz | A |
| 192.168.240.192 | 192.168.240.192 | 192.168.240.192 | AD2.ad.evotec.xyz | A |
| 192.168.240.236 | 192.168.240.236 | 192.168.240.236 | AD3.ad.evotec.xyz | A |
| 192.168.240.192 | 192.168.240.192 | 192.168.240.192 | AD2.ad.evotec.xyz | A |
| 192.168.240.236 | 192.168.240.236 | 192.168.240.236 | AD3.ad.evotec.xyz | A |
| 192.168.240.189 | 192.168.240.189 | 192.168.240.189 | AD1.ad.evotec.xyz | A |

# General Information - Trusts

Following table contains trusts established with domains...

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Trust Source | Trust Target | Trust Direction | Trust Attributes | Trust Status |
| ad.evotec.xyz | ad.evotec.pl | BiDirectional | Within Forest | OK |

# General Information - Organizational Units

Following table contains all OU's created in ad.evotec.xyz

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Canonical Name | Managed | Manager Email | Protected | Description |
| ad.evotec.xyz/Domain Controllers |  |  | False | Default container for domain controllers |
| ad.evotec.xyz/Microsoft Exchange Security Groups |  |  | False |  |
| ad.evotec.xyz/Production |  |  | True |  |
| ad.evotec.xyz/Production/Computers | Przemysław Kłys | przemyslaw.klys@evotec.pl | False |  |
| ad.evotec.xyz/Production/Contacts |  |  | True |  |
| ad.evotec.xyz/Production/Groups |  |  | True |  |
| ad.evotec.xyz/Production/Groups/SecurityGroups |  |  | True |  |
| ad.evotec.xyz/Production/Servers |  |  | True |  |
| ad.evotec.xyz/Production/Users |  |  | True |  |
| ad.evotec.xyz/Production/Users-O365 | Przemysław Kłys | przemyslaw.klys@evotec.pl | True | OU for Synchronization of Users to Office 365 |
| ad.evotec.xyz/Production/Users-O365/Helllo |  |  | False |  |
| ad.evotec.xyz/Production/Users-Offboarded |  |  | True |  |

# General Information - Priviliged Groups

Following table contains list of priviliged groups and count of the members in it.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Group Name | Group Category | Group Scope | Group SID | High Privileged Group |
| Administrators | Security | DomainLocal | S-1-5-32-544 | True |
| Network Configuration Operators | Security | DomainLocal | S-1-5-32-556 | False |
| Event Log Readers | Security | DomainLocal | S-1-5-32-573 | False |
| Hyper-V Administrators | Security | DomainLocal | S-1-5-32-578 | False |
| Remote Management Users | Security | DomainLocal | S-1-5-32-580 | False |
| Incoming Forest Trust Builders | Security | DomainLocal | S-1-5-32-557 | False |
| Domain Admins | Security | Global | S-1-5-21-853615985-2870445339-3163598659-512 | True |
| Schema Admins | Security | Universal | S-1-5-21-853615985-2870445339-3163598659-518 | True |
| Enterprise Admins | Security | Universal | S-1-5-21-853615985-2870445339-3163598659-519 | True |
| Group Policy Creator Owners | Security | Global | S-1-5-21-853615985-2870445339-3163598659-520 | False |
| Print Operators | Security | DomainLocal | S-1-5-32-550 | True |
| Replicator | Security | DomainLocal | S-1-5-32-552 | True |
| Server Operators | Security | DomainLocal | S-1-5-32-549 | True |
| Account Operators | Security | DomainLocal | S-1-5-32-548 | True |
| Backup Operators | Security | DomainLocal | S-1-5-32-551 | True |

# General Information - Domain Users in ad.evotec.xyz

## General Information - Users Count

Following table and chart shows number of users in its categories

|  |  |
| --- | --- |
| Users Count | |
| Users Count Incl. System | 49 |
| Users Count | 45 |
| Users Expired | 6 |
| Users Expired Incl. Disabled | 16 |
| Users Never Expiring | 15 |
| Users Never Expiring Incl. Disabled | 28 |
| Users System Accounts | 4 |

## General Information - Domain Administrators

Following users have highest priviliges and are able to control a lot of Windows resources.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Display Name | Name | User Principal Name | Sam Account Name | Email Address |
| Administrator | Administrator | Administrator@ad.evotec.xyz | Administrator | Administrator@ad.evotec.xyz |
| Administrator Przemysław Kłys | Administrator Przemysław Kłys | adm.pklys@ad.evotec.xyz | adm.pklys |  |
| Przemysław Kłys | Przemysław Kłys | przemyslaw.klys@evotec.pl | przemyslaw.klys | przemyslaw.klys@evotec.pl |
| Temporary Admin | Temporary Admin | TemporaryAdmin@ad.evotec.xyz | TemporaryAdmin | pklys@evotec.pl |
| Service Task Scheduler | Service Task Scheduler | svcTaskScheduler@ad.evotec.xyz | svcTaskScheduler |  |

## General Information - Enterprise Administrators

Following users have highest priviliges across Forest and are able to control a lot of Windows resources.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Display Name | Name | User Principal Name | Sam Account Name | Email Address |
| Przemysław Kłys | Przemysław Kłys | przemyslaw.klys@evotec.pl | przemyslaw.klys | przemyslaw.klys@evotec.pl |
| Administrator | Administrator | Administrator@ad.evotec.xyz | Administrator | Administrator@ad.evotec.xyz |

# General Information - Computer Objects in ad.evotec.xyz

## General Information - Computers

Following table and chart shows number of computers and their versions

|  |  |
| --- | --- |
| Computers Count | |
| Windows 10 Enterprise | 2 |
| Windows 10 Pro | 2 |
| Windows 10 Pro N Insider Preview | 1 |

## General Information - Servers

Following table and chart shows number of servers and their versions

|  |  |
| --- | --- |
| Servers Count | |
| Windows Server 2016 Standard | 6 |
| Windows Server 2012 R2 Standard Evaluation | 1 |
| Windows Server 2019 Standard Evaluation | 4 |

## General Information - Unknown Computers

Following table and chart shows number of unknown object computers in domain.

|  |  |
| --- | --- |
| Unknown Computers Count | |
| Unknown | 4 |

# Domain Password Quality

This section provides overview about password quality used in ad.evotec.xyz. One should review if all those potentially dangerous approaches to password quality should be left as is or addressed in one way or another.

## Password Quality - Passwords with Reversible Encryption

Passwords of these accounts are stored using reversible encryption.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | UserPrincipalName | Enabled | Password Last Changed | DaysToExpire |
| Expiration Date Test | expiration@evotec.xyz | False |  | 0 |

## Password Quality - Passwords with LM Hash

LM-hashes is the oldest password storage used by Windows, dating back to OS/2 system. There were no accounts found that use LM Hashes.

## Password Quality - Empty Passwords

Following accounts have no password set:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | UserPrincipalName | Enabled | Password Last Changed | DaysToExpire |
| SystemMailbox{e0dc1c29-89c3-4034-b678-e6c29d823ed9} | SystemMailbox{e0dc1c29-89c3-4034-b678-e6c29d823ed9}@ad.evotec.xyz | False |  | 0 |
| Microsoft Exchange Federation Mailbox | FederatedEmail.4c1f4d8b-8179-4148-93bf-00a95fa1e042@ad.evotec.xyz | False |  | 0 |
| Microsoft Exchange Approval Assistant | SystemMailbox{1f05a927-d2bf-4ddc-92db-28bdc645a9a6}@ad.evotec.xyz | False |  | 0 |
| Microsoft Exchange Migration | Migration.8f3e7716-2011-43e4-96b1-aba62d229136@ad.evotec.xyz | False |  | 0 |
| Microsoft Exchange (offboarded) | SystemMailbox{bb558c35-97f1-4cb9-8ff7-d53741dc928c}@ad.evotec.xyz | False |  | 0 |
| Discovery Search Mailbox | DiscoverySearchMailbox {D919BA05-46A6-415f-80AD-7E09334BB852}@ad.evotec.xyz | False |  | 0 |

## Password Quality - Known passwords

Passwords of these accounts have been found in given dictionary. It's highly recommended to notify those users and ask them to change their passwords asap! Following is list of passwords used for comparision:

* + P@ssw0rd!

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | UserPrincipalName | Enabled | Password Last Changed | DaysToExpire |
| Test Przemyslaw Klys | test.przemyslaw.klys@ad.evotec.xyz | True |  | 2 |

## Password Quality - Default Computer Password

There were no accounts found that match default computer password criteria.

## Password Quality - Password Not Required

These accounts are not required to have a password. For some accounts it may be perfectly acceptable but for some it may not. Those accounts should be reviewed and accepted or changed to proper security.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | UserPrincipalName | Enabled | Password Last Changed | DaysToExpire |
| Test2 |  | True |  |  |
| Test4 |  | True |  |  |
| Test6 |  | True |  |  |
| TestingDSInstall |  | True |  |  |

## Password Quality - Non expiring passwords

Following account have do not expire password policy set on them. Those accounts should be reviewed whether allowing them to never expire is good idea and accepted risk.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | UserPrincipalName | Enabled | Password Last Changed | DaysToExpire |
| Administrator Przemysław Kłys | adm.pklys@ad.evotec.xyz | True |  | 0 |
| Administrator | Administrator@ad.evotec.xyz | True |  | 0 |
| HealthMailbox-EX2013X3-001 (offboarded) | HealthMailbox14193432ba1143fda716adf2892e98c6@ad.evotec.xyz | False |  | 0 |
| HealthMailbox2d50e3005c484d25a609113593de2c33 | HealthMailbox2d50e3005c484d25a609113593de2c33@ad.evotec.xyz | True |  | 0 |
| HealthMailbox49c425434f14404789901106b55279ad | HealthMailbox49c425434f14404789901106b55279ad@ad.evotec.xyz | True |  | 0 |
| HealthMailbox4bbdf1b0c959451bbabc05a9e40713d5 | HealthMailbox4bbdf1b0c959451bbabc05a9e40713d5@ad.evotec.xyz | True |  | 0 |
| HealthMailbox5c21e4f881c0456cadd937c9f64a61da | HealthMailbox5c21e4f881c0456cadd937c9f64a61da@ad.evotec.xyz | True |  | 0 |
| HealthMailbox-EX2013X3-003 (offboarded) | HealthMailbox60155b13835f4e669b2fabf5b95dfd74@ad.evotec.xyz | False |  | 0 |
| HealthMailbox-EX2013X3-010 (offboarded) | HealthMailbox603739f5e90b43539922000fece40c6b@ad.evotec.xyz | False |  | 0 |
| HealthMailbox-EX2013X3-005 (offboarded) | HealthMailbox61f9b982483640bf8ce51c097113cc94@ad.evotec.xyz | False |  | 0 |
| HealthMailbox-EX2013X3-008 (offboarded) | HealthMailbox751984c8c5c54b849143e72fccb98a27@ad.evotec.xyz | False |  | 0 |
| HealthMailbox8d5e4ebac4be48c1957878877a544d1a | HealthMailbox8d5e4ebac4be48c1957878877a544d1a@ad.evotec.xyz | True |  | 0 |
| HealthMailbox9bf79ab078f34b8da31862a98411a3f2 | HealthMailbox9bf79ab078f34b8da31862a98411a3f2@ad.evotec.xyz | True |  | 0 |
| HealthMailboxb1a64c238bb847ceaafd3f7eadc15ef4 | HealthMailboxb1a64c238bb847ceaafd3f7eadc15ef4@ad.evotec.xyz | True |  | 0 |
| HealthMailboxb3289545c3e744818c6aeece7ab43c2a | HealthMailboxb3289545c3e744818c6aeece7ab43c2a@ad.evotec.xyz | True |  | 0 |
| HealthMailbox-EX2013X3-002 (offboarded) | HealthMailboxbb779b7f61384f1abd85a4cc2e793321@ad.evotec.xyz | False |  | 0 |
| HealthMailbox-EX2013X3-006 (offboarded) | HealthMailboxc57ed73ae291405da8589c3f2d9a94da@ad.evotec.xyz | False |  | 0 |
| HealthMailboxcd3fe85ae75442aeb5487fd56b8b2cd8 | HealthMailboxcd3fe85ae75442aeb5487fd56b8b2cd8@ad.evotec.xyz | True |  | 0 |
| HealthMailbox-EX2013X3-Mailbox-Database-1527735546 (offboarded) | HealthMailboxceaf9714b5e8497aabe5d8c7d390c762@ad.evotec.xyz | False |  | 0 |
| HealthMailbox-EX2013X3-009 (offboarded) | HealthMailboxd9af2950e74d411cb88eed998353ae6e@ad.evotec.xyz | False |  | 0 |
| HealthMailboxdcb7fda57f054f458ddc4592d90a209c | HealthMailboxdcb7fda57f054f458ddc4592d90a209c@ad.evotec.xyz | True |  | 0 |
| HealthMailbox-EX2013X3-004 (offboarded) | HealthMailboxe03c754075c6456cac3e996649243352@ad.evotec.xyz | False |  | 0 |
| HealthMailboxf7e9bcb0f2e14c60896a7c2b5bc3fef8 | HealthMailboxf7e9bcb0f2e14c60896a7c2b5bc3fef8@ad.evotec.xyz | True |  | 0 |
| HealthMailbox-EX2013X3-007 (offboarded) | HealthMailboxfcd7e01b1f1246449c76ee183185ee32@ad.evotec.xyz | False |  | 0 |
| MSOL\_6f0d1d4965ec |  | True |  | 0 |
| Weird Name, with $,. | myweirdtest@ad.evotec.xyz | False |  | 0 |
| Przemysław Kłys | przemyslaw.klys@evotec.pl | True |  | 0 |
| Service Task Scheduler | svcTaskScheduler@ad.evotec.xyz | False |  | 0 |

## Password Quality - AES Keys Missing

Following accounts have their Kerberos AES keys missing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | UserPrincipalName | Enabled | Password Last Changed | DaysToExpire |
| My User | myuserPrincipal@evotec.pl | True |  | -189 |

## Password Quality - Kerberos Pre-Auth Not Required

There were no accounts found that do not require pre-authentication.

## Password Quality - Only DES Encryption Allowed

There are no account that require only DES encryption.

## Password Quality - Delegatable to Service

These accounts are allowed to be delegated to a service:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | UserPrincipalName | Enabled | Password Last Changed | DaysToExpire |
| Administrator Przemysław Kłys | adm.pklys@ad.evotec.xyz | True |  | 0 |
| Administrator | Administrator@ad.evotec.xyz | True |  | 0 |
| Expiration Date Test | expiration@evotec.xyz | False |  | 0 |
| krbtgt |  | False |  | -357 |
| Przemysław Kłys | przemyslaw.klys@evotec.pl | True |  | 0 |
| Some Mailbox | some@evotec.xyz | True |  | -236 |
| Special Test User | SpecialTestUser@ad.evotec.xyz | True |  | -44 |
| Service Task Scheduler | svcTaskScheduler@ad.evotec.xyz | False |  | 0 |
| Temporary Admin | TemporaryAdmin@ad.evotec.xyz | True |  | -10 |
| Test User Test | test@ad.evotec.xyz | True |  | 0 |
| Test Przemyslaw Klys | test.przemyslaw.klys@ad.evotec.xyz | True |  | 2 |

## Password Quality - Groups of Users With Same Password

Following groups of users have same passwords:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Duplicate Group | Name | UserPrincipalName | Enabled | Password Last Changed |
| Duplicate 1 | Administrator Przemysław Kłys | adm.pklys@ad.evotec.xyz | True |  |
| Duplicate 1 | Przemysław Kłys | przemyslaw.klys@evotec.pl | True |  |
| Duplicate 1 | Temporary Admin | TemporaryAdmin@ad.evotec.xyz | True |  |
| Duplicate 2 | Expiration Date Test | expiration@evotec.xyz | False |  |
| Duplicate 2 | New n. New | new@ad.evotec.xyz | False |  |

## Password Quality - Leaked Passwords

There were no passwords found that match in given dictionary.

## Password Quality - Statistics

Following table and chart shows password statistics

|  |  |
| --- | --- |
| Password Quality - Statistics | |
| Clear Text Passwords | 1 |
| LM Hashes | 0 |
| Empty Passwords | 6 |
| Weak Passwords | 1 |
| Weak Passwords Enabled | 1 |
| Weak Passwords Disabled | 0 |
| Weak Passwords (HASH) | 0 |
| Weak Passwords (HASH) Enabled | 0 |
| Weak Passwords (HASH) Disabled | 0 |
| Default Computer Passwords | 0 |
| Password Not Required | 4 |
| Password Never Expires | 28 |
| AES Keys Missing | 1 |
| PreAuth Not Required | 0 |
| DES Encryption Only | 0 |
| Delegatable Admins | 11 |
| Duplicate Password Users | 5 |
| Duplicate Password Grouped | 2 |