

# ADSync Logging supported by MachPanel

## Summary

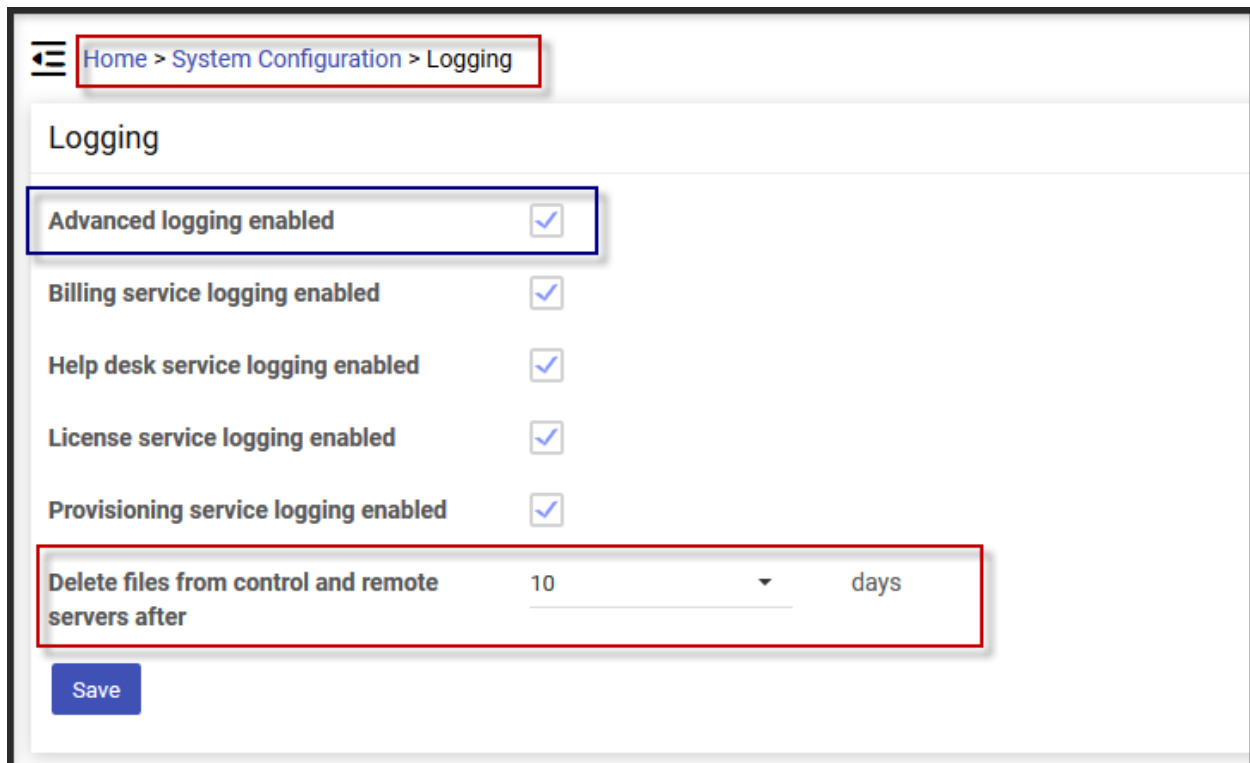
This article shows what types of ADsync logs available and what is their purpose.

## Applies To

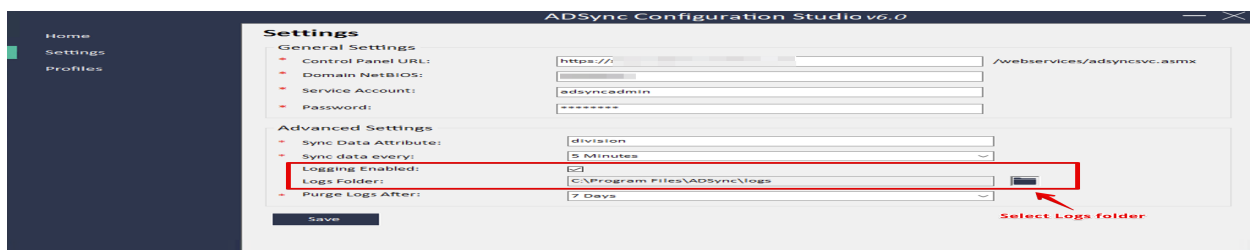
This article applies to MachPanel all build versions.

## Different Types of Logs for ADsync

MachPanel also generates Advanced logging for Ad-sync which can be enabled via MachPanel Interface as shown below:



Further on ADsync Configuration Studio, Please enable logging as shown below:



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## More Information

The Adsync logs are generated on following servers:

1. ADSync Client Server
2. Control Server (MachPanel Server).
3. Remote Server(s)

**ADSync Client Server:** It is the Server where ADSync is installed and logs are generated in User specified log folder as shown in above snapshot. You can find following types of logs.

1. ADSyncSvcLog-DateStamp.txt
2. AutoMappingLog-DateStamp.txt
3. SyncLog-DateStamp.txt
4. UserMappingLog-DateStamp.txt

### 1. ADSyncSvcLog-XX-XXX-XXXX

This log will give you details about Sync Thread Started or Not. It will do the following details:

1. Fetch list of all user under LDAP
2. Give status How many User Uploading
3. Give Status for sync job with Date, Time of new user from Hosted to Client AD

```
09-Feb-2018 04:25:32 starting to sync users
09-Feb-2018 04:25:32 Fetching list of users to synchronize for LDAP://
09-Feb-2018 04:25:33 No data to sync for LDAP://
09-Feb-2018 04:25:33 starting to sync new users cn from hosted AD to client AD
09-Feb-2018 04:25:33 Fetching list of new users to update their hosted cn in local AD for LDAP:
09-Feb-2018 04:25:40 0 users to sync back their hosted cn
09-Feb-2018 04:25:40 starting to sync user sids
09-Feb-2018 04:25:40 Fetching list of users to synchronize their sids for LDAP:
09-Feb-2018 04:25:47 Uploading '0' active users sid for synchronization
```

### 2. AutoMappingLog-XX-XXX-XXXX

If you enable auto mapping in the Ad sync Configuration This log will give you following

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details:

1. Retrieved user list & calculate quantity
2. Sort them by UPN from local AD & then from Hosted side
3. Strat Mapping automatically with Date, Time & complete UPN name of individual user
4. Skip already mapped user to avoided adding extra group jobs.

```
01-Aug-2017 12:01:18 -----Start-----
01-Aug-2017 12:01:20 Total Local users retrieved: 8
01-Aug-2017 12:01:21 Sorting local users by userPrincipalName
01-Aug-2017 12:01:21 Total hosted users retrieved: 14
01-Aug-2017 12:01:21 Sorting hosted users by userPrincipalName
01-Aug-2017 12:01:21 User auto mapping start
01-Aug-2017 12:01:21 Local user 'test111@Synclab.local' is already synced with hosted user 'test1@zic.com'
01-Aug-2017 12:01:21 Removing user 'test1@zic.com' from list to avoid sub-sequent selection
01-Aug-2017 12:01:27 Local user 'test25@Synclab.local' is already synced with hosted user 'test25@zic.com'
01-Aug-2017 12:01:27 Removing user 'test25@zic.com' from list to avoid sub-sequent selection
01-Aug-2017 12:01:27 User auto mapping end
```

### 3. SyncLog-XX-XXX-XXXX

This log created with Temporary Log ID for details troubleshooting with last USN value of the user that was synced.

1. Check all of individual user attributes under attribute editor
2. In case any change in any attribute of user it will perform sync
3. Save User UPN & Changes
4. Skip in case no change in USN for all user
5. Saved last USN figure with Date & Time for Next sync

```
06-Nov-2017 02:29:18 TLOG: config-usn-val: 831060
06-Nov-2017 02:29:18 saving configuration for user: LDAP://CN=Test1 1,OU=Synctest1,DC=Synclab,DC=local, cn:
CN=TestAD.MB@dan.local for cloud organization danielco
06-Nov-2017 02:29:18 TLOG:user mapping updated, Old Value:zic_com[^]cn=test11@zic.com|1 New Value: danielco
[^]cn=testad.mb@dan.localxzc_com[^]cn=test11@zic.com|1
06-Nov-2017 02:29:18 TLOG: config-usn-val: 831060
```

### 4. UserMappingLog-XX-XXX-XXXX

This log contains records of all user mapping activity auto or manual with any UPN change.

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1. Check total no of user from Adsync configuration file
2. Check auto mapping & manual mapping
3. Check local user UPN with previous binding to hosted user
4. Match Exact & Partial UPN, Display name, with hosted user & readjust the value if needed.
5. Give complete sync operation with UPN, Time & Date.

```
06-Nov-2017 02:29:06 -----Start-----
06-Nov-2017 02:29:07 Total Local users retrieved: 6
06-Nov-2017 02:29:08 Total hosted users in binding list: 2
06-Nov-2017 02:29:08 User auto mapping start
06-Nov-2017 02:29:08 Mapping local user 'test11@SyncLab.local'
06-Nov-2017 02:29:08 checking if user was previously binded with a hosted user
06-Nov-2017 02:29:08 previously stored binding checked successfully
06-Nov-2017 02:29:08 checking local user for exact UPN match with hosted user list
06-Nov-2017 02:29:08 checking local user for partial UPN match with hosted user list
06-Nov-2017 02:29:08 checking local user for exact display name match with hosted user list
06-Nov-2017 02:29:08 checking local user for partial display name match with hosted user list
06-Nov-2017 02:29:08 wild-card match by displayname for local user 'test11@SyncLab.local' were found
06-Nov-2017 02:29:08 selecting default value for user 'test11@SyncLab.local'
06-Nov-2017 02:29:09 Re-Adjusting hosted users in the list start
06-Nov-2017 02:29:09 Re-Adjusting hosted users in the list end
06-Nov-2017 02:29:09 User auto mapping end
06-Nov-2017 02:29:09 Total hosted users remaining in binding list: 2
06-Nov-2017 02:29:09 -----End-----
```

**MachPanel \ Control Panel Server:** On Control Server the logs are created at following path: C:\Program Files\MachSol\MachPanel Control Server\Logs

ADSyncExceptions-datestamp.log

**Remote Server(s):** On Remote server (Exchange) the logs are created at following path: C:\Program Files\MachSol\MachPanel Remote Server\Logs

ADExceptions-datestamp.txt

### MachSol.Interceptor.Log

This log is created in the root C:\ Drive on ADSync Server in case there is issue with Password Intercept flow due to any missing component for the ADSync tool. If password is intercepted without any issue, the log entry for success is added to "SyncLog".





## ADSync Logging supported by MachPanel

If the interceptor log shows **Unknown exception is caught** then Double click to run **"ADSync.PolicyLogger.reg"** from installation directory of ADSync, then change password and re-sync.

MachPanel Knowledgebase

<https://kb.machsol.com/Knowledgebase/55564/ADSync-Logging-supported-by-Mach...>