

Configuring the Genesis – Active Directory Link

Setup→Security→Active Directory

Genesis Student Information System

School Year: 2007-08
Module: setup
Genesis Township Schools
Genesis High School

Student Data | Registration | Scheduling | Next Year Scheduling | Grading | Attendance | Calendar | Transcript | Setup | Next ...

Security | Schools | Districts | School Types | Codes | Data | Reports

Setup.Security.Active Directory.Setup

Users | Roles | Teacher Assignments | Policy | Active Directory

Setup | Synchronize User Fields

Active Directory Setup:

Domain: (example: mydomain.local)

Domain Controller: (example: domaincontroller.mydomain.local)

User: (example: genesis)

Password:

Enable Active Directory Authentication: Do NOT check this until you have tested your connection.

User fields that can sync from A.D.: First Name Last Name Description E-Mail Address

Save

Automatic Synchronization of User name fields from Active Directory.
To enable (or disable) the background process that periodically updates the Genesis User database with information from Active Directory, [click here.](#)

Figure 1 – The Setup→Security→Active Directory Screen

Configuring Active Directory

Configuring Active Directory requires an administrator trained in Active Directory itself. If this connection is not properly configured users flagged as “Authenticate through Active Directory” will not be able to log in to Genesis.

If you do not already understand what the Domain address and Domain Controller fields are for and do not know what to place in these fields, please do not attempt to configure this feature.

The Genesis – Active Directory connection must be tested prior to checking the “Enable Active Directory Authentication” checkbox (i.e. prior to turning Active Directory Authentication on).

Fields to Synchronize with Active Directory

The Active Directory link can be used to synchronize a small set of fields on each user's logon record with fields stored in the Active Directory. The fields which can be synchronized include:

- **First Name** – user's first name
- **Last Name** – user's last name
- **Description** – the user's description (on the Setup→Security→Users→Modify User screen).
- **E-Mail Address** – user's email address

Actual synchronization of the information can be done either manually or automatically. **Manual synchronization data** is done via the Setup→Security→Users→Modify User→Synchronize User Data screen. Automatic synchronization of data can be scheduled via the screen. See the procedures below.

Supported Platforms

Authentication via Active Directory will work regardless of the type of your Genesis server: Genesis can be running on **Linux** or an **Apple** or **Windows**. Active Directory runs only on Windows.

Procedure to Configure Active Directory

1. Navigate to the [Setup→Security→Active Directory→Setup](#) screen.
2. Enter your Domain information in the "Domain" field. E.g. mydomain.local
3. Enter your Domain Controller in the "Domain Controller" field. E.g. dc.mydomain.local
4. Enter the User name for the authentication. E.g. "genesis".
5. Enter the authentication user's password.
6. Click the button.
7. Test the connection. You MUST verify that the connection is functional.

Procedure to ENABLE Authentication via Active Directory

1. Verify that the Genesis – Active Directory link is working.
2. Navigate to the [Setup→Security→Active Directory](#) screen.
3. Check the "**Enable Active Directory Authentication**" checkbox.
4. Click the button.

Selecting the Fields to Synchronize with Active Directory

Note that a user's data will only be synchronized if the user is *individually* configured to have their data synchronized. This is done via the [Setup→Security→Users→Modify](#) screen.

1. Verify that the Genesis – Active Directory link is working.
2. Navigate to the [Setup→Security→Active Directory](#) screen.
3. Locate the **User fields that can sync from A.D.:** label and select the fields to synchronize from the list: First Name Last Name Description E-Mail Address
4. Click the button.

Procedure to Manually Synchronize Data with Active Directory

Note that users must first be *individually* configured to have their data synchronized. This is done via the [Setup→Security→Users→Modify](#) screen.

1. Verify that the Genesis – Active Directory link is working.
2. Make sure that Authentication via Active Directory is enabled.
3. Navigate to the [Setup→Security→Active Directory→Synchronize User Data](#) screen.
4. Users who must be synchronized will be listed on that screen:

The following users have data in Active Directory that is different than in Genesis.

<input type="checkbox"/>	Logonid	Last Name	AD Last Name	First Name	AD First Name	Description	AD Description	Email	AD Email
<input type="checkbox"/>	czinn	Zinn	Christopher	Chris		System Engineer		czinn@genesisedu.com	czinn@forge-tech.com

1 users.
 ©Copyright Genesis Educational Services, Inc.

5. Select the users whose data you wish to synchronize (or click the check box on the list header which selects all users).
6. Click the button.

Procedure to Setup Automatic Synchronization of Data with Active Directory

Note that users must first be *individually* configured to have their data synchronized. This is done via the **Setup→Security→Users→Modify** screen.

1. Verify that the Genesis – Active Directory link is working via the **Setup→Security→Active Directory→Setup** screen.
2. Make sure that Authentication via Active Directory is enabled.
3. Navigate to the **Core→Scheduler** screen. You can do this easily by clicking the “click here” link:

Automatic Synchronization of User name fields from Active Directory.
To enable (or disable) the background process that periodically updates the Genesis User database with information from Active Directory, [click here](#).

4. Locate the scheduler entry for Active Directory:

Seq	Enabled	Name	Description	Year	Month	Day	Hour	Minute
5	<input type="checkbox"/>	Active Directory: Sync. User Fields	Synchronize user names, descriptions and e-mail automatically from Active Directory.	"	"	"	06,12,18	30

5. Check the “**Enabled**” checkbox for Active Directory.
6. The default schedule is for the synchronization to be done three times per day, at 6:30AM, 12:00PM (Noon) and 6:30PM (18:30). To alter this schedule, change the values in the “**Hour**” and “**Minute**” fields. The synchronization process can run as frequently or infrequently as you like. Please refer to the **CORE OPERATIONS – GENESIS OPERATIONS MANUAL** for more information on scheduling tasks.
7. Click the button.

Procedure to Configure Users to be Authenticated and Synchronized via Active Directory

1. Navigate to the **Setup→Users→List of Users** screen:

2. Locate a user you wish to authenticate and edit their record.
3. Locate the **Active Directory Enabled:** [Active Directory must be configured, tested and enabled here.](#) field on the user's record.
4. Check the checkbox.
5. Click the button.
6. Repeat steps 1 to 5 for all users you wish to authenticate and synchronize with Active Directory. Following this, users flagged to be authenticated (and synchronized) via Active Directory will have a check in the “**AD**” column in the list of users.

CAVEAT: Once a user is configured to be authenticated via Active Directory, their Genesis password becomes meaningless. They will not be able to change their password via Genesis but must change it or have it changed in the Active Directory.