





# ACTIVE DIRECTORY SERVICE OVERVIEW

Active Directory Service allows large organizations to deactivate personnel accounts in Entré using their Active Directory. When personnel are disabled in the Active Directory, Entre.ActiveDirectory queries both the Active Directory and Entré databases, compares the information, then updates the AD\_KEY table for that personnel record in Entré. The status of the associated personnel account and their badges is changed to inactive. Active Directory Service only disables accounts in Entré. To re-enable an account in Entré, manually set the user to active.

# CONFIGURE ACTIVE DIRECTORY SERVICE



# Run Setup

Go to C:\Program Files\DMP\Entre\Entre.ActiveDirectory. To begin setup, right-click Entre. ActiveDirectory.exe and select Run as Administrator.



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4)

### **Create the Output File**

Matches between personnel in the Active Directory and Entré are logged in **usersToDisable.csv**. Set the output path to the location where you want to save the list of users to disable. For example, **C:\Program Files\DMP\Entre\Entre.ActiveDirectory\usersToDisable.csv**.

# **Connect the Active Directory**

- 1. Enter your Active Directory information into the following fields:
  - User Name—Your Active Directory username
  - Password— Your Active Directory password
  - Domain—The name of your Active Directory domain
  - Match Field—The identifying personnel key, such as an account name, to match in the Active Directory database. For example, accountnames.
- 2. To confirm the connection to the Active Directory database, press Test.

# **Connect the Entré Database**

- 1. Enter your Entré database information into the following fields:
  - User Name—Your Entré SQL database username
  - Password Your Entré SQL database password
  - Server—The Entré SQL database server address. For example, 127.0.0.1.
  - Instance—The Entré SQL instance name. For example, MSSQLSERVER. If no instance exists, leave this field blank
  - **Database**—The name of your Entré database.
- 2. To confirm the connection to the Entré database, press **Test**.
- 3. Press Save.

| _ |                |                          |                                    |
|---|----------------|--------------------------|------------------------------------|
|   | Entre Active [ | Directory                |                                    |
|   | Entre          |                          |                                    |
| 2 | Output File P  | Path n Files\Entre\Entre | ActiveDirectory\usersToDisable.csv |
|   |                |                          |                                    |
|   |                |                          |                                    |
| 3 | Active Direct  | ory                      |                                    |
|   | User Name      | admin                    | Password                           |
|   | Domain         | LDAP://example.corp      | Match Field accountnames           |
|   |                |                          | Test                               |
| d | Database       |                          |                                    |
|   | User Name      | exampleuser              | Password                           |
|   | Server         | 127.0.0.1                | Instance                           |
|   | Database       | users                    |                                    |
|   |                |                          | Test                               |
|   |                |                          | Save                               |
|   |                |                          | Save Cancer                        |

#### **Optional: Change the Polling Interval**

**Note:** The Entré service must be stopped for any changes to the configuration file to take effect.

The Active Directory Service polls the Active Directory and Entré databases periodically to check for differences between dependent columns.

To change the polling interval, open **app.config** and modify the **value** of the related attribute: <add key="Polling\_Interval\_Milliseconds" value="30000" />. Save and close the configuration file.

The default value of the polling interval attribute is 30000 milliseconds.

| 41 | <appsettings></appsettings>   |
|----|---|
| 42 | <add key="Update_Settings" value="true"></add>  |
| 43 | <add key="Polling_Interval_Milliseconds" value="30000"></add>                           |
| 44 | <pre><add key="AD_Settings_FilePath" value="\\ActiveDirectorySettings.cfg"></add></pre> |
| 45 | <add key="Entre_License_FilePath" value="\\\vx.license.properties"></add>               |
| 46 | <add key="ClientSettingsProvider.ServiceUri" value=""></add>                            |
| 47 |   |



#### **Install and Start the Service**

- 1. To install the service, right-click EntreActiveDirectory-InstallService.bat and select Run as Administrator.
- 2. To run the service, right-click **EntreActiveDirectory-RunService.bat** and select **Run as Administrator**.
- 3. Verify that the installation was successful by opening **Task Manager** and locating **Entre.ActiveDirectory** in the **Services** tab.

| Documents                        |                                       | 1/ 10/2010 0.44 AM | MANIESTINE         | T KD     |
|----------------------------------|---------------------------------------|--------------------|--------------------|----------|
|                                  | EntreActiveDirectory-InstallService   | 2/17/2017 9:57 AM  | Windows Batch File | 1 KB     |
| Open                             | EntreActiveDirectory-RunService       | 2/17/2017 10:01 AM | Windows Batch File | 1 KB     |
| Edit                             | EntreActiveDirectory-UnInstallService | 2/17/2017 10:55 AM | Windows Batch File | 1 KB     |
| Print                            | 🗟 log4net.dll                         | 12/10/2015 4:55 PM | Application extens | 298 KB   |
| 😌 Run as administrator           | 🗋 log4net                             | 12/10/2015 4:55 PM | XML Document       | 1,498 KB |
| Convert to Adobe PDF             | RestSharp.dll                         | 8/26/2015 4:33 PM  | Application extens | 165 KB   |
| 🔁 Convert to Adobe PDF and EMail | 🗋 RestSharp                           | 8/26/2015 4:33 PM  | XML Document       | 148 KB   |
|                                  | – 🔄 Topshelf.dll                      | 9/20/2016 2:11 AM  | Application extens | 178 KB   |
| Edit with Notepad++              | Topshelf.Log4Net.dll                  | 9/20/2016 2:11 AM  | Application extens | 10 KB    |
| Scan with Sophos Anti-Virus      | Topshelf.Log4Net                      | 9/20/2016 2:11 AM  | XML Document       | 2 KB     |
| Restore previous versions        | 🗋 Topshelf                            | 9/20/2016 2:11 AM  | XML Document       | 57 KB    |
|                                  |                                       |                    |                    |          |



#### Edit the Personnel Record

For the Active Directory Service to match records between entries in the Active Directory and Entré, each personnel record must be associated with the identifying personnel key.

- 1. Go to **Personnel** and edit the users that you want to associate with the Active Directory.
- 2. In Active Directory Key, enter the name of the field to match from the Active Directory.
- 3. Press Save and Close.

| Photo                        | Vital                |                 | Co                              | ntact    |          |       |          |       |
|------------------------------|----------------------|-----------------|---------------------------------|----------|----------|-------|----------|-------|
|                              | First name:          | Jane            | A                               | ddress   | Phone    | Email |          |       |
|                              | Last name:           | Smith           |                                 | Home     | Work     | Other | r        |       |
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| 🗟 Capture 🔀 Cle              | ar                   |                 |                                 |          |          |       |          |       |
| Occupational                 |                      |                 |                                 |          |          |       |          |       |
| Title in organization:       |                      |                 | Licer ID:                       |          |          |       |          | -     |
|                              |                      |                 | - Osci ib.                      |          |          |       |          | _     |
| Personnel type:              |                      |                 | <ul> <li>Status:</li> </ul>     | Active   | •        |       |          |       |
| Organization:                |                      |                 | <ul> <li>Department:</li> </ul> |          |          |       |          |       |
| Active Directory Key: janesn | nith                 |                 |                                 |          |          |       |          |       |
|                              |                      |                 |                                 |          |          |       |          |       |
| Credentials                  |                      |                 |                                 |          |          |       |          |       |
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|                              |                      |                 |                                 |          |          |       |          |       |



### **Create an Automation Rule**

To automate the Active Directory Service, create an Automation Rule to set users to inactive in Entré based on their status in the Active Directory.

- 1. Name the automation rule.
- 2. In **Trigger**, choose from the following options:
  - Periodic—Initiate the automation rule periodically (hourly, daily, weekly, or monthly)
  - Event-Initiate the automation rule when an event occurs
  - **Software Schedule**—Initiate the automation rule on a schedule (previously created in **Software Schedules**)
  - Manual Only-Initiate the automation rule manually
- 3. In Actions, add CSV import and direct it to the same location where usersToDisable.csv is saved. For example, C:\Program Files\DMP\Entre\Entre.ActiveDirectory\.
- 4. Press Save and Close.

| Edit - Auto   | omation Rule                     |        | —     |       |  |  |  |
|---------------|----------------------------------|--------|-------|-------|--|--|--|
| Save and C    | lose                             |        |       |       |  |  |  |
|               | ✓ Enabled                        |        |       |       |  |  |  |
| Name:         | e: AD disable                    |        |       |       |  |  |  |
| Partition:    |                                  |        |       |       |  |  |  |
| Location:     |                                  | Choose | Clear |       |  |  |  |
| Trigger:      | Manual Only                      | Edit   | New   | Clear |  |  |  |
| Actions:      |                                  |        |       |       |  |  |  |
| lotification: |                                  | Edit   | New   | Clear |  |  |  |
|               | ✓ Record event when rule invoked |        |       |       |  |  |  |
|               | VINECORD EVENT WHEN THOOPY TAILS |        |       |       |  |  |  |
|               | Record event when action fails   |        |       |       |  |  |  |

# START AND TEST ACTIVE DIRECTORY SERVICE

#### **Start Active Directory Service**

If the Active Directory Service is not already running, go to **Task Manager** and select the **Services** tab. Right-click **Entre.ActiveDirectory** and select **Start**.

#### **Test Active Directory Service**

When a user is disabled in the Active Directory, their account name will be entered into **usersToDisable.csv**. You can also view the status changes in Entré by going to the **Personnel List**. To test the Active Directory Service, create an active test user in the Active Directory and in Entré. Set the user to inactive. At the designated polling interval, ensure that the user has been added to **usersToDisable.csv**.





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