This document describes how to set up Pine using the UMCE Login Service to access your Exchange email account.

1. Use SSH software to connect to the Login Service (login.itd.umich.edu). At the Unix prompt, type `pine`. From the Main Menu select SETUP.
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2. From the SETUP screen select **Config**

3. Move to the first field **personal-name** and hit the enter key or select the **Change Val** option.

4. On the input line enter the **full name** of the user
   To accept the entry press the **Enter** key.
5. Move to the next field **user-domain**
   Select the **Change Val** option

6. Enter the value **umich.edu** on the entry line (This may already be entered)
   To accept the entry hit the Enter key.
7. Move to the field for **inbox-path**
   Select the **Change Val** option

   These settings have changed as of March 19, 2008.

   There are 2 ways to setup Pine. The first method uses GSSAPI and Kerberos pass-thru authentication. This requires that you logon to the login.itd.umich.edu server using your U-M Kerberos credentials AND that your Exchange mailbox is configured to use your UMROOT\unicname user account. This will not work if your Exchange mailbox is configured with an ENGIN/unicname user account.

   The second method is similar to how you used to be able to configure Pine with Exchange and will work with both ENGIN and UMROOT user accounts. The method uses Basic Authentication over SSL and will require a second logon to Active Directory.
8. Setup Method 1 – GSSAPI

   a. Enter the value `its-ecas-01.adsroot.its.umich.edu/ssl/novalidate-cert`
      To accept the entry press the **Enter** key. (“its” is “itcs” in 2007)
b. On this screen select the default for the **INBOX**. To accept the entry, hit the **Enter** key.

c. From this screen select **Exit Setup**.
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d. From this screen select **Yes** if you want to accept the changes you have made to the configuration.

e. Select **Quit**.
f. Logging on to Pine using GSSAPI

Connect to login.itd.umich.edu with an SSH Client.
Type **pine** at the prompt.

![SSH Client login](image)

You will NOT be prompted for a username or password, but Pine will use the username and password you connected to the login.itd.umich.edu server.

9. Setup Method 2 – Basic Authentication over SSL (Use for Engin user accounts).
   
a. Connect to login.itd.umich.edu with an SSH Client.
   
b. Edit the `.pinerc` configuration file using **pico** or another editor to disable GSSAPI:

   ```
   disable-these-authenticators=GSSAPI
   ```
   
c. In the Pine Setup Configuration, edit the inbox-path:

   Enter the value **exchange.umich.edu/ssl**.
   To accept, press the **Enter** key.

   On the next screen select the default for the **INBOX**.
   To accept the entry, hit the **Enter** key.

   Press **E** to exit Setup
d. Logging on to Pine using Basic Authentication

Connect to login.itd.umich.edu with an SSH Client. Type `pine` at the prompt.
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e. Accept default logon name or enter new logon name. If you use just the logon name, the UMROOT domain will be assumed, otherwise logon as domain\uniqname, i.e. engin\uniqname.

Enter your Active Directory password for the user account.
Viewing Folders in Pine

1. By default, Pine will only show you the top level folders you have beneath your Inbox. From the Main Menu press L to see the Exchange Folder List. To see subfolders, you will need to edit the Collection List.
2. To edit the Collection List  
   From the Main Menu select SETUP again
3. Press L to configure the **collectionList** (folder list)

4. Click A to add a collection
5. Fill in the following info: (“its” is “itcs” in 2007)

Nickname: Exchange Server Folders 1 (This is just a descriptive Name)
Server: its-ecas-01.adsroot.its.umich.edu/ssl
Path: inbox/
View: *

Press Ctrl-X to Save & Exit., Press Y to Save Changes, Press E to Exit Setup

6. If you have additional folder levels beneath the first level, you can create additional Folder Collections by pressing A again for each level as follows:

Nickname: Exchange Server Folders 2
Server: its-ecas-01.adsroot.its.umich.edu/ssl
Path: inbox/
View: */*

Nickname: Exchange Server Folders 3
Server: its-ecas-01.adsroot.its.umich.edu/ssl
Path: inbox/
View: */**

7. You can press D to delete unused collections such as IMAP Server and IFS home directory if you are not using them.
8. Back in the **Main Menu**, select **Folder List**

![Folder List in PINE](image)
9. Select L to view your Folder List

10. Press **Spacebar** to see additional pages of folders if necessary.