Linux with Windows AD LDAP

Customers wishing to deliver Frame-managed Linux desktops to users can use this guide to configure their Linux desktops to authenticate using Windows Active Directory (AD) LDAP.

Prerequisites

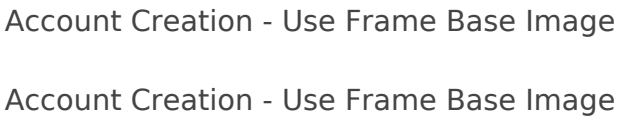
1. Active Directory Setup.
2. Frame Account settings as specified below.

AD Domain Controller Setup

Before Linux VMs can be configured to use Windows AD LDAP, the Windows AD domain controller must be configured as described in the Domain Controller Prep guide.

Frame Account Settings

During the creation of the Frame account, you must use Frame-provided images for accounts hosted on public cloud infrastructure or on AHV, installed the Frame Workload Installer (Linux) version 2.0.3 or greater in your BYO Ubuntu Server 20.04 template image.

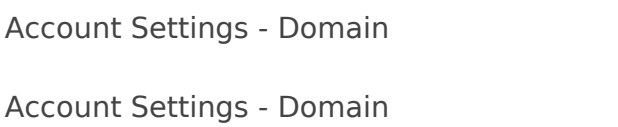


Account Creation - Use Frame Base Image

Account Creation - Use Frame Base Image

The Domain settings within the Frame Account Settings for an Ubuntu Frame account are identical to the settings for a Windows Frame account with two notable exceptions:

1. The Domain settings field **Service Account Name (UPN)** needs to be entered with capital letters (e.g., `frame.service@DOMAIN.NAME.COM`).
2. The username for logging in to the domain-joined production instances needs to be in the following format: `username@domain.com`. **Do not use** just `username` or `domain.com\username`.



Account Settings - Domain

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Once you have updated your Domain settings, reboot your Sandbox VM.

Pre-publish Verification

Before publishing your Sandbox, power on the Sandbox VM and access the Sandbox. Open a Linux terminal and execute the following commands:

```
realm discover <domainname>
dig <domainname>
ping <domainname>
```

Sandbox - Pre-publish

Sandbox - Pre-publish

If the commands return the expected results, then proceed with publishing the Frame account Sandbox.

Post-publish Verification

Once you have published the Sandbox, you can launch a production VM. You should see the following login screen:

Ubuntu Login Page

Enter a user's credentials in UPN format (`firstname.lastname@domain` and then the user's password).

Once Windows AD has authenticated your user credentials via LDAP, you will see your home directory:

image.png

Home Directory

Additionally, by opening terminal in your Ubuntu desktop, you can type the `realm list` command to check the domain settings:

Ubuntu Login Page

Ubuntu Login Page

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