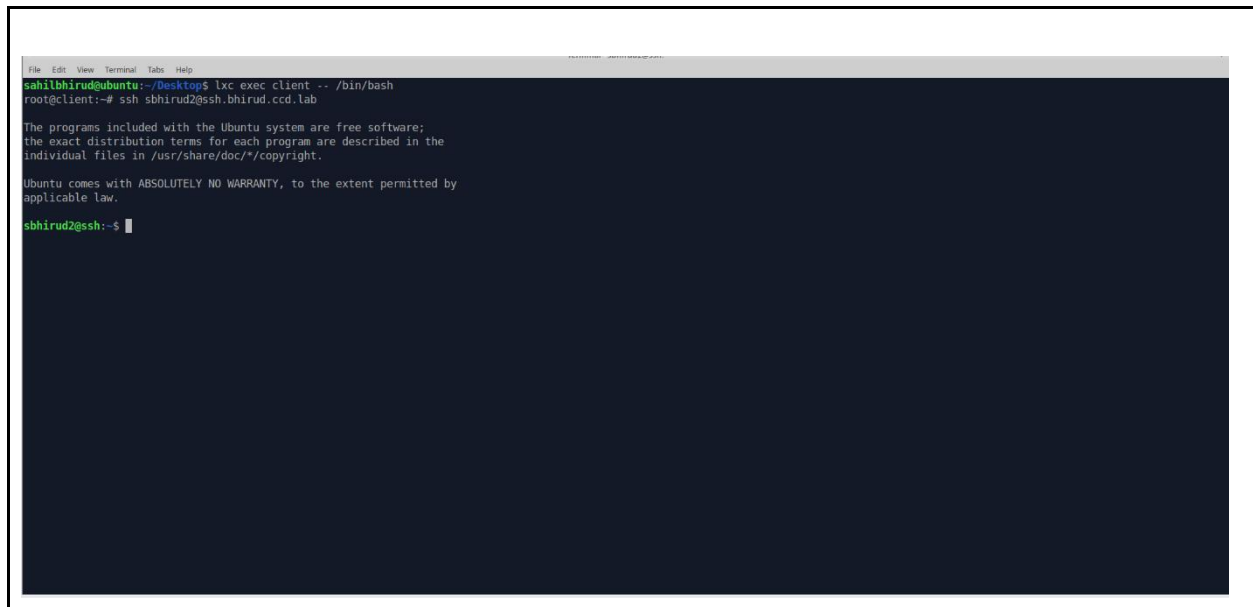


Single-sign-on Services

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1. Upload a screenshot showing that you can successfully login without using a password to your ssh container.



2. Explore other services that support Kerberos, such as an email server, an NFS server, and a web server. Identify one of each of the mentioned services and describe how to enable support for Kerberos authentication for these services. Include links to documentation that you find.

Apache Web Server (<https://help.ubuntu.com/community/Kerberos>):

1. We create a principal and generate a keytab for the web server.
2. Then we securely transport the keytab to the webserver.
3. We set the keytab's permissions and ownerships.
4. Install mod_auth_kerb (**Mod_auth_kerb** is an Apache module designed to provide Kerberos authentication to the Apache web server. Using the Basic Auth mechanism, it retrieves a username/password pair from the browser and checks them against a Kerberos server as set up by your particular organization)
5. Lastly, we update the configuration file.

NFS Server (<https://help.ubuntu.com/community/NFSv4Howto>):

1. On the nfs-server and nfs-client we need at least the krb5-user and optional libpam-krb5 if we wish to authenticate against krb5.
2. Next, we create and distribute credentials i.e. we create nfs/principals.
3. Then, we add these files to keytab-files on the NFS-server and client.

Email Server (<https://help.ubuntu.com/community/Kerberos>):

1. First, we create service principal using kadmin.
2. Then, we create or add to a keytab in the kadmin interface.