

# AD Bridge 22.3 Release Notes

December 8, 2022

## New Features and Enhancements:

### Azure Integration for Migrated Accounts

- AD Bridge can now authenticate against Azure AD with accounts that have been migrated to Azure AD with Azure AD Connect. This requires:
  - An application set up in the Azure tenant under **App registrations** to **Allow public client flows** and to permit Microsoft Graph both **user.read.all** and **group.read.all** rights.
  - Secret generated for the application and stored on the endpoint in a file.
  - Azure AD connect set up to migrate Active Directory users to Azure AD.
  - Active Directory user accounts must be setup with IDs provided by the **Suggest** button in the AD Bridge plugin: Active Directory Users and Computers plugin.
  - Joining to Azure with the new `/opt/pbis/bin/tenantjoin-cli` binary.

### Azure-OAuth Provider

- Integrated config wait time option.
- Updated config option for user login authentication wait time.
- Azure user logging off generates an event.
- Azure user failed logon generates an event.
- Curl timeouts are now configurable via the config tool.
- Azure user logon generates an event.
- Removed Azure-OAuth from provider list via **tenantjoin-cli leave**.
- Added Azure-OAuth to provider list via **tenantjoin-cli**.
- **tenantjoin-cli** provider hint dependent on provider config.
- Verifies if users' accounts are enabled on authentication requests within a session.
- Added option to provide tenant-name with **tenantjoin-cli**.
- **tenantjoin-cli** will prompt that it requires superuser privileges when run.
- **get-status** displays primary domain name.
- **tenantjoin-cli** allows rejoins.
- **tenantjoin-cli** validates input.
- **tenantjoin-cli** persists after a reboot.
- Hash on-premises security identifier for UID.
- Audit **tenantjoin-cli** joins.
- Allows simultaneous Azure user logins.

- Azure user login.
- Ability to join a tenant (with **tenantjoin-cli**).
- Automatically acquire new access token.
- **get-status** displays tenant information.
- Azure user is prompted with authorization URL when logging in with SSH.
- Support **tenantjoin --cli --leave** option.
- Added **config** options for OAuth.
- Updated config providers to include Azure-OAuth.
- Added Azure-OAuth provider.

### Issues Resolved:

- Resolved issue in which **msiexec** failed to install individual modules.
- Resolved issue in which users were unable to log in to a Samba share using the FQDN.

### Notes:

- AD Bridge 22.3.0.267 supports upgrades from 10.1, 21.1, 22.1, and 22.2.
- This is the last release to support Solaris 10 through 11.3.