

## FreeNAS - Feature #36963

### Allow NIS to be ID provider for Active Directory

07/06/2018 04:33 PM - Andrew Walker

<b>Status:</b> Done	<b>Estimated time:</b> 0.00 hour
<b>Priority:</b> No priority	
<b>Assignee:</b> Andrew Walker	
<b>Category:</b> OS	
<b>Target version:</b> 11.2-BETA2	
<b>Severity:</b> New	<b>Needs Merging:</b> No
<b>Reason for Closing:</b>	<b>Needs Automation:</b> No
<b>Reason for Blocked:</b>	<b>Support Suite Ticket:</b> n/a
<b>Needs QA:</b> No	<b>Hardware Configuration:</b>
<b>Needs Doc:</b> No	

#### Description

In addition to autorid, rid, ad, etc. idmap backends. It's possible in samba to use external directory services to provide IDs for domain users. We have at least two customers that want this, and in general it's a good feature to have.

We can mostly support this out of the box with new ui in the nightlies as far as I can tell. I have it working in a test environment. The only code change I had to make was as follows:

```
root@catherder:/usr/local/lib/python3.6/site-packages/middlewared/etc_files # diff -u nsswitch.conf.orig nsswitch.conf
--- nsswitch.conf.orig      2018-07-06 19:02:32.698539683 -0400
+++ nsswitch.conf           2018-07-06 19:02:52.887779423 -0400
@@ -20,10 +20,6 @@
     passwd = ['files']
     sudoers = ['files']

-     if ad_enabled or dc_enabled:
-         group.append('winbind')
-         passwd.append('winbind')
-
+     if ldap_enabled:
+         ldap_anonymous_bind = safe_call('notifier.common', 'system', 'ldap_anonymous_bind')
+         ldap_sudo_configured = safe_call('notifier.common', 'system', 'ldap_sudo_configured')
@@ -41,6 +37,10 @@
     group.append('nis')
     hosts.append('nis')
     passwd.append('nis')
+
+     if ad_enabled or dc_enabled:
+         group.append('winbind')
+         passwd.append('winbind')
%>

group: ${' '.join(group)}
```

This allowed me to set up NIS and LDAP as ID providers with a slightly customized smb4.conf file and the idmap\_nss backend.

#### Related issues:

Copied to FreeNAS - Feature #40684: Allow NIS to be ID provider for Active Di...

Done

#### History

#1 - 07/07/2018 07:21 AM - Dru Lavigne

- Category set to OS
- Assignee changed from Release Council to John Hixson

**#2 - 07/07/2018 12:36 PM - Andrew Walker**

Big picture, we have idmap\_rfc2307 for the case of using an external LDAP server (i.e. one external to AD) to provide IDs. So the above change is really only needed for the case of enabling NIS and AD simultaneously with NIS providing id mappings. I guess it also helps on the off chance that NIS is providing a range of IDs and LDAP another (I hope this doesn't occur in real life).

**#3 - 07/08/2018 06:36 AM - Andrew Walker**

- Subject changed from Allow LDAP and NIS to be ID providers for Active Directory to Allow NIS to be ID provider for Active Directory.

**#4 - 07/08/2018 06:43 AM - Andrew Walker**

Master PR - <https://github.com/freenas/freenas/pull/1495>

**#5 - 07/08/2018 07:01 AM - Dru Lavigne**

- Target version changed from Backlog to 11.2-BETA2

**#6 - 07/10/2018 02:16 PM - John Hixson**

- Assignee changed from John Hixson to Andrew Walker

Approved the PR. As stated in the PR: In the future when we re-work this, we will want the ability to specify order for this, but that's a way out so this will do for now. Andrew, please merge then mark this ready for testing.

**#7 - 07/10/2018 02:18 PM - Dru Lavigne**

- Status changed from Unscreened to In Progress

**#8 - 07/11/2018 12:50 PM - John Hixson**

Merged.

**#9 - 07/11/2018 12:51 PM - John Hixson**

- Status changed from In Progress to Ready for Testing

**#10 - 07/11/2018 09:52 PM - Dru Lavigne**

- Subject changed from Allow NIS to be ID provider for Active Directory. to Allow NIS to be ID provider for Active Directory
- Needs Merging changed from Yes to No

**#11 - 07/25/2018 12:29 PM - Dru Lavigne**

- Needs Doc changed from Yes to No

**#13 - 07/26/2018 11:52 AM - Bonnie Follweiler**

- Status changed from Ready for Testing to Passed Testing
- Needs QA changed from Yes to No

Passed Testing in FreeNAS-11.2-MASTER-201807260859  
(Build Date: Jul 26, 2018 12:8)

**#14 - 07/26/2018 12:47 PM - Dru Lavigne**

- Status changed from Passed Testing to Done

**#15 - 08/03/2018 11:33 AM - John Hixson**

*- Copied to Feature #40684: Allow NIS to be ID provider for Active Directory added*