

## FreeNAS - Bug #62781

### Improve krb5.conf generation and fix some bugs for edge cases

12/08/2018 03:14 AM - Hannes Stoll

<b>Status:</b>	Done	
<b>Priority:</b>	No priority	
<b>Assignee:</b>	Andrew Walker	
<b>Category:</b>	Services	
<b>Target version:</b>	Master - FreeNAS Nightlies	
<b>Seen in:</b>	11.2-RELEASE	<b>Needs Merging:</b> No
<b>Severity:</b>	New	<b>Needs Automation:</b> No
<b>Reason for Closing:</b>		<b>Support Suite Ticket:</b> n/a
<b>Reason for Blocked:</b>		<b>Hardware Configuration:</b>
<b>Needs QA:</b>	No	<b>ChangeLog Required:</b> No
<b>Needs Doc:</b>	No	

#### Description

When "enabling" ldap (it actually fails), some script mutilates the kerberos config:

```
#
# krb5.conf(5) - configuration file for Kerberos 5
# $FreeBSD$
#

[app_defaults]
    pam = {
        forwardable = true
        ticket_lifetime = 86400
        renew_lifetime = 86400
    }

[lib_defaults]
    dns_lookup_realm = true
    dns_lookup_kdc = true
    ticket_lifetime = 24h
    clockskew = 300
    forwardable = yes
    default_realm = {'id': 1, 'krb_realm': 'EXAMPLE.DE', 'krb_kdc': '', 'krb_admin_server':
: '', 'krb_kpasswd_server': ''}

[domain_realm]
```

```
example.de = EXAMPLE.DE
.example.de = EXAMPLE.DE
EXAMPLE.DE = EXAMPLE.DE
.EXAMPLE.DE = EXAMPLE.DE
```

```
[realms]
```

```
EXAMPLE.DE = {
    default_domain = EXAMPLE.DE
}
```

```
[logging]
```

```
default = SYSLOG:INFO:LOCAL7
```

I am pretty sure, "forwadable" in lib\_defaults is neither an English word nor a valid configuration option. While we're at it: lib\_defaults is not, either. That should be libdefaults, afaik. app\_defaults is the same problem.

But what's really stopping everything from working is the default\_realm: that should not be the whole python dict or whatever it is. Similar typos also exist when updating the kerberos settings using the GUI.

#### Related issues:

Copied to FreeNAS - Bug #63108: Improve krb5.conf generation and fix some bug...

Done

#### History

##### #1 - 12/08/2018 05:36 AM - Dru Lavigne

- Category changed from GUI (new) to Services
- Private changed from No to Yes
- Reason for Blocked set to Need additional information from Author

Hannes: please attach a debug (System -> Advanced -> Save debug) to this ticket.

##### #2 - 12/08/2018 06:03 AM - Hannes Stoll

- File debug-freenas-20181208144529.tgz added

##### #3 - 12/08/2018 06:58 AM - Hannes Stoll

- the typos are obviously all present in the krb.conf template in src\middleware\middleware\etc\_files\krb5.conf

##### #4 - 12/08/2018 07:21 AM - Hannes Stoll

- I suppose, this is also wrong:

```
elif db['ldap']['ldap_enable'] and db['ldap']['ldap_kerberos_realm']:
    krb_default_realm = db['ldap']['ldap_kerberos_realm']
```

Shouldn't it be:

```
elif db['ldap']['ldap_enable'] and db['ldap']['ldap_kerberos_realm']:
    krb_default_realm = db['ldap']['ldap_kerberos_realm']['krb_realm']
```

?

**#5 - 12/08/2018 08:20 AM - Andrew Walker**

- Status changed from *Unscreened* to *Screened*
- Assignee changed from *Release Council* to *Andrew Walker*

I'm in the process of fixing this now.

**#6 - 12/08/2018 08:29 AM - Hannes Stoll**

Andrew Walker wrote:

"forwardable" is the correct parameter name.

Yes, it would be if written in this manner. In section `lib_defaults`, the `r` is missing.

**#7 - 12/08/2018 08:35 AM - Hannes Stoll**

And I still believe `app_defaults` and `lib_defaults` being incorrect, having abundant underscores

**#8 - 12/08/2018 08:41 AM - Bug Clerk**

- Status changed from *Screened* to *In Progress*

**#9 - 12/08/2018 08:41 AM - Andrew Walker**

Master PR here: <https://github.com/freenas/freenas/pull/2215>

**#10 - 12/08/2018 08:44 AM - Andrew Walker**

- File `krb5.conf` added

Hans, can you try replacing `/usr/local/lib/python3.6/site-packages/middleware/etc_files/krb5.conf` with the attached file and see if it fixes your problem?

**#11 - 12/08/2018 09:04 AM - Hannes Stoll**

`krb5.conf` seems reasonable now, cannot talk for your changes to the AD part as I only use kerberos + LDAP (freeipa) without AD.

Thank you very much.

**#12 - 12/09/2018 12:56 AM - Hannes Stoll**

- File deleted (`debug-freenas-20181208144529.tgz`)

**#13 - 12/10/2018 05:23 AM - Bug Clerk**

- Status changed from *In Progress* to *Ready for Testing*

PR: <https://github.com/freenas/freenas/pull/2215>

**#14 - 12/10/2018 05:23 AM - Bug Clerk**

- Target version changed from Backlog to 11.3

**#15 - 12/10/2018 05:23 AM - Bug Clerk**

- Copied to Bug #63108: Improve krb5.conf generation and fix some bugs for edge cases added

**#16 - 12/10/2018 06:01 AM - Andrew Walker**

- Subject changed from Rubbish in /etc/krb5.conf to Incorrect /etc/krb5.conf in kerberized LDAP environment

**#17 - 12/10/2018 07:07 AM - Dru Lavigne**

- File deleted (krb5.conf)

**#18 - 12/10/2018 07:08 AM - Dru Lavigne**

- Subject changed from Incorrect /etc/krb5.conf in kerberized LDAP environment to Improve krb5.conf generation and fix some bugs for edge cases

- Private changed from Yes to No

- Reason for Blocked deleted (Need additional information from Author)

- Needs Doc changed from Yes to No

- Needs Merging changed from Yes to No

**#19 - 01/21/2019 11:03 AM - Dru Lavigne**

- Target version changed from 11.3 to 11.3-BETA1

**#20 - 02/11/2019 07:22 AM - Dru Lavigne**

- Status changed from Ready for Testing to Done

- Target version changed from 11.3-BETA1 to Master - FreeNAS Nightlies

- Needs QA changed from Yes to No