

Assimilation Fails with a NEG_TOKEN_INIT Mechtype Error



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Applies to: Hammerspace 5.2 and later.

1. Symptom

You are assimilating a volume with **Include SMB/AD metadata during assimilation** selected, and it fails with an error like this:

```
Failure while validating SMB server 'nas.asgard.loc' and share 'home'.  
Make sure server and share are correct. Reason returned by server:  
[errorCode=5000: INTERNAL_SERVER_ERROR, args=[Status: 500,  
Output: SPNEGO(gse_krb5) creating NEG_TOKEN_INIT for cifs/nas.asgard.loc  
failed (next[(null)]]: NT_STATUS_INVALID_PARAMETER  
  
SPNEGO: Could not find a suitable mechtype in NEG_TOKEN_INIT]]
```

2. Cause

Hammerspace requires certain service principal names on the Active Directory computer object of any NAS it assimilates.

Here, the computer object for `nas.asgard.local` has no `CIFS/nas.asgard.local` service principal name. The same error appears if you use the single-label hostname `nas` without a matching `cifs/nas` entry.

3. Resolution



Take care editing Active Directory objects. Mistakes can break client access.

Add the service principal name in either of two ways. In these examples the computer account name is `nas`.

3.1. Using setspn

Requires administrative access.

Command:

```
setspn -s CIFS/nas.asgard.local nas
```

The syntax is `setspn -s service/name hostname`.

3.2. Using Active Directory Users and Computers

Requires administrative access, and **Advanced Features** enabled from the **View** menu.

1. Browse to the computer object — do not search for it.
2. Right-click it and select **Properties**.
3. Open the **Attribute Editor** tab.
4. Scroll to `servicePrincipalName` and click **Edit**.
5. Enter `CIFS/nas.asgard.local` in **Value to add** and click **Add**.
6. Click **OK**.