

invisAD-setup - action #25704

Use kerberos authentication for nfs shares

2017-10-01 13:48 - ingogoeppert

Status:	Closed	Start date:	2017-10-01
Priority:	Normal	Due date:	
Assignee:	ingogoeppert	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	14.2		
Description			
To improve security when nfs shares are used, we should use kerberos authentication.			
Needs:			
<ul style="list-style-type: none">• Modified share configuration• SPNs• Modified client configuration			
Links:			
<ul style="list-style-type: none">• http://users.suse.com/~sJayaraman/nfs4_howto.txt• https://groups.google.com/forum/#!topic/linux.samba/uP119bAe0CA• https://ovalousek.wordpress.com/2015/10/15/enable-kerberized-nfs-with-sssd-and-active-directory/			
Current state:			
<ul style="list-style-type: none">• invis Server 14 setup is prepared for kerberos, but exports are still without• membermod adds the spn we need for kerberos (execute manual)• client setup is prepared for kerberos. Todo: Exporting the additional spn to the client keytab after the join (or do it manual).			
Export keytab on the client: "net ads keytab create" or "net ads keytab create -P"			

History

#1 - 2017-10-01 13:52 - ingogoeppert

- Description updated

#2 - 2017-11-05 10:03 - ingogoeppert

- Category changed from 364 to Developement

#3 - 2018-03-10 17:42 - ingogoeppert

- Project changed from invis-server to invisAD-setup

- Category deleted (Developement)

- Target version deleted (Next)

#4 - 2018-03-18 13:22 - flacco

- Target version set to Future

#5 - 2018-03-18 13:55 - flacco

- Assignee set to ingogoeppert

#6 - 2018-07-15 20:27 - ingogoeppert

- File nfs-kerberos added

- Status changed from New to In Progress

- % Done changed from 0 to 30

First setup was successful. Steps to modify a classic nfs setup to a kerberos setup are described in German in the attached document. Test setup

was a invis 15 Server and a openSUSE Leap 42.3 Client with KDE Desktop. Both VirtualBox VMs.

#7 - 2018-07-15 20:28 - ingogoeppert

- *Private changed from Yes to No*

#8 - 2018-08-29 12:40 - ingogoeppert

- *Description updated*

#9 - 2018-08-29 12:49 - ingogoeppert

Tests at FrOSCon 13 failed with "permission denied". Very strange: after restarting sssd in the running system it succeeds. It also happened at my test setup. We have to find out why before we roll out nfs with kerberos as default or reconfigure systems to nfs with kerberos.

#10 - 2018-08-29 12:55 - ingogoeppert

- *Description updated*

#11 - 2018-08-29 12:59 - ingogoeppert

- *Description updated*

#12 - 2019-01-04 14:36 - flacco

File /etc/sysconfig/nfs did not contain the variable NFS_SECURITY_GSS in openSUSE leap 15.0. We have to investigate this.

#13 - 2021-08-13 12:44 - ingogoeppert

- *Status changed from In Progress to Closed*

- *Target version changed from Future to 14.2*

First steps done, was not used in production setups until now.

#14 - 2021-09-16 10:32 - ingogoeppert

- *% Done changed from 30 to 100*

Files

nfs-kerberos	2.05 KB	2018-07-15	ingogoeppert
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