

NAME

vfs_acl_xattr - Save NTFS-ACLs in Extended Attributes (EAs)

SYNOPSIS

vfs objects = acl_xattr

DESCRIPTION

This VFS module is part of the **samba(7)** suite.

The `vfs_acl_xattr` VFS module stores NTFS Access Control Lists (ACLs) in Extended Attributes (EAs). This enables the full mapping of Windows ACLs on Samba servers.

The ACLs are stored in the Extended Attribute `security.NTACL` of a file or directory. This Attribute is *not* listed by `getfattr -d filename`. To show the current value, the name of the EA must be specified (e.g. `getfattr -n security.NTACL filename`).

This module forces the following parameters:

⊕

`acls = true`

⊕

`filemode = true`

⊕

`unknown acl user = true`

This module is stackable.

OPTIONS

`acl_xattr:ignore system acls = [yes|no]`

When set to *yes*, a best effort mapping from/to the POSIX ACL layer will *not* be done by this module. The default is *no*, which means that Samba keeps setting and evaluating both the system ACLs and the NT ACLs. This is better if you need your system ACLs be set for local or NFS file access, too. If you only access the data via Samba you might set this to *yes* to achieve better NT ACL compatibility.

If `acl_xattr:ignore system acls` is set to *yes*, the following additional settings will be enforced:

⊕

mask = 0666

⊕

mask = 0777

⊕

archive = no

⊕

hidden = no

⊕

readonly = no

⊕

system = no

⊕

dos attributes = yes

acl_xattr:default acl style = [posix|windows|everyone]

This parameter determines the type of ACL that is synthesized in case a file or directory lacks an *security.NTACL* xattr.

When set to *posix*, an ACL will be synthesized based on the POSIX mode permissions for user, group and others, with an additional ACE for *NT Authority\SYSTEM* will full rights.

When set to *windows*, an ACL is synthesized the same way Windows does it, only including permissions for the owner and *NT Authority\SYSTEM*.

When set to *everyone*, an ACL is synthesized giving full permissions to everyone (S-1-1-0).

The default for this option is *posix*.

AUTHOR

The original Samba software and related utilities were created by Andrew Tridgell. Samba is now developed by the Samba Team as an Open Source project similar to the way the Linux kernel is developed.