

Samba4 Schema extensions

Schema extension in Samba 4

Samba 4 supports same kind of schema extensions as Microsoft Active Directory. Generally speaking schema update in AD is a sensitive action and you must be prepared to restore the DC holding the role of schema master if something goes wrong.

This is even more true in Samba 4 not always generate some critical attributes, that are generated on Microsoft AD, this lack of attribute could lead to a unstartable samba provision. That's why currently schema updates in Samba 4 are disabled by default.

In order to allow them, the option `dsdb:schema update allowed` has to be set to true in the `smb.conf` or passed on the command line.

Tested Schema extensions

As getting an LDIF that won't ruin the provision can be hard, this page will list LDIFs that are known not to break the database. Perform these updates only if you need them and if **you know how to restore the provision on the schema master**.

Automounter:

This extension allow you to store automount information in LDAP. In order to add this extension, follow these steps:

- Download [File:Automount template.ldif.txt](#), this is a template that will be transformed in the next steps.
- Locate the rootDN of your provision: `ldbsearch -H ldap://ip_of_server -U administrator -s base dn`
- Run `cat automount_template.ldif | sed 's/DOMAIN_TOP_DN/value_of_rootDN_obtained_in_previous_step/' > automount.ldif`
- Stop Samba4 on the schema master.
- Copy `automount.ldif` to the schema master server (if you were working on a different server).
- Apply the ldif with a command similar to: `ldbmodify -H path_to_sam_ldb automount.ldif -option="dsdb:schema update allowed"=true`

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