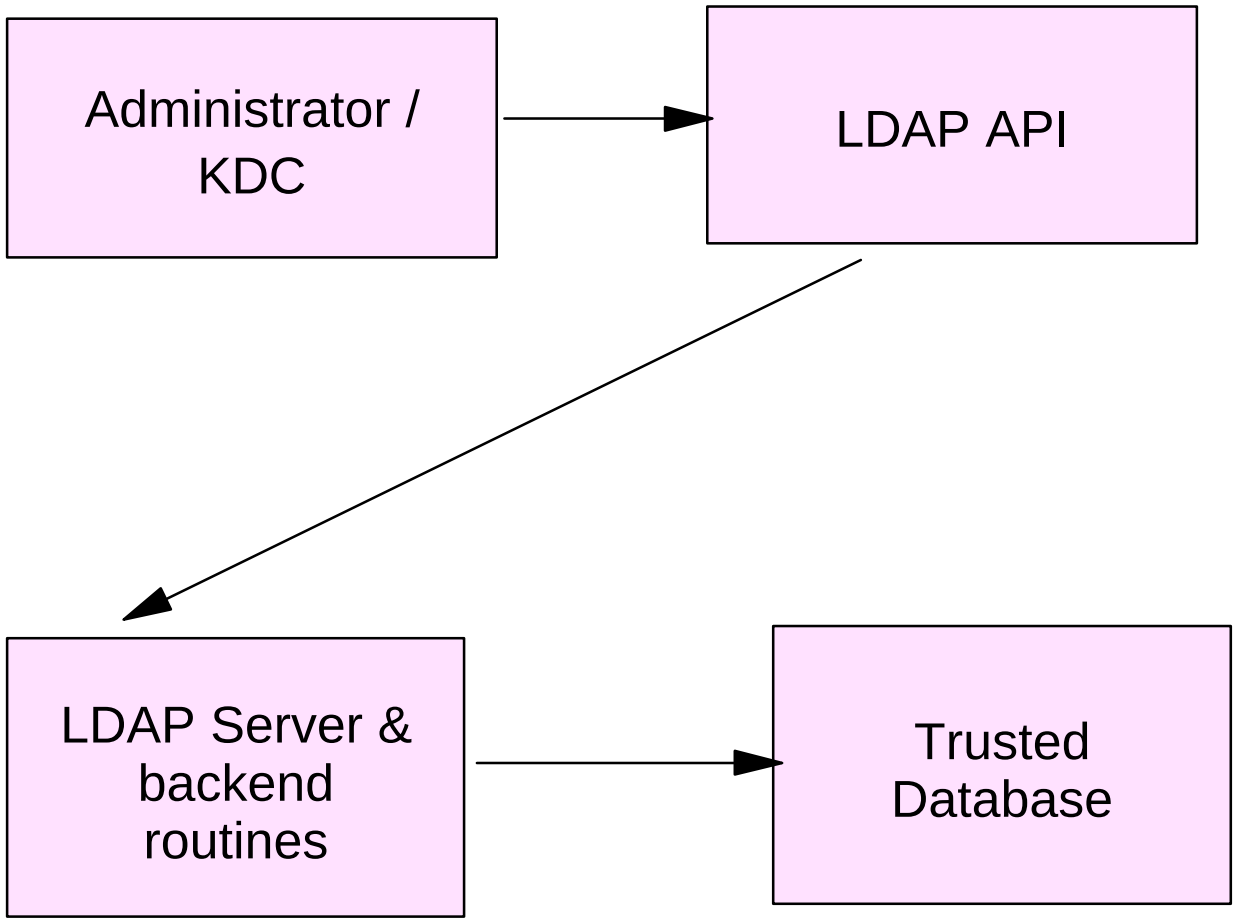
KDC LDAP Schema

Donna Skibbie, IBM

Advantages

- Standard KDC administration API
- Leverage LDAP tools
- Single view of user
- Attribute sharing

Flow of Data to LDAP



Progress

- 3/01: Version 1 of KDC LDAP schema draft submitted to IETF Kerberos working group
- 1/02: Started work on Version 2 of KDC LDAP schema draft and Keys Extension draft
- Plan to submit Version 2 of KDC LDAP schema draft and Keys Extension draft after 3/02 IETF meeting

Current Distribution List for Schema Drafts

- Tolga Acar <tacar@novell.com>
- John Griffith <john.griffith@entegrity.com>
- Timothy Hahn <hahnt@us.ibm.com>
- Paul B. Hill <pbh@mit.edu>
- Wyllys Ingersoll <wyllys.Ingersoll@sun.com>
- Leif Johansson <leifj@it.su.se>
- Bob Joslin <bob_joslin@hp.com>
- Sabu Sheffeq <sst@india.hp.com>
- Donna Skibbie <donnas@us.ibm.com>
- Jonathan Trostle <john3725@world.std.com>

Attributes Defined in KDC LDAP Schema Draft

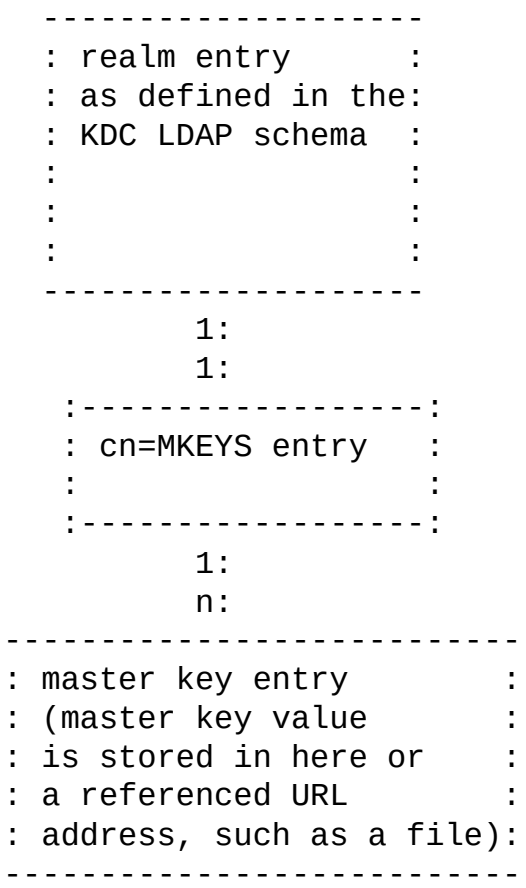
- Realm attributes (other than master keys)
- Principal attributes (other than principal keys)
- Policy attributes

KDC LDAP Schema Draft

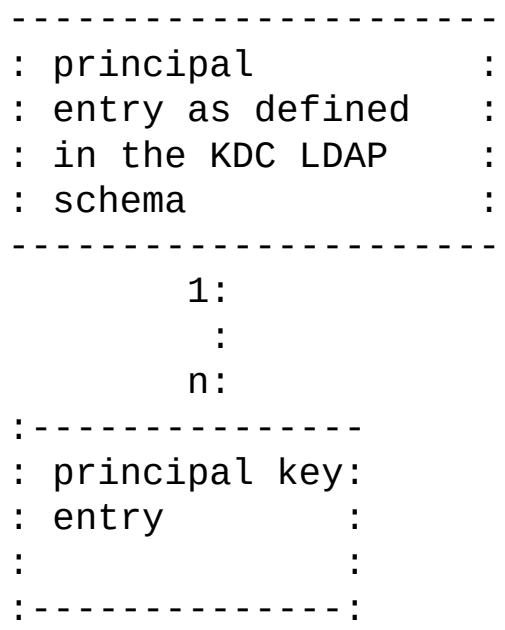
Attributes Defined in Keys Extension Draft

- Master keys
- Principal keys

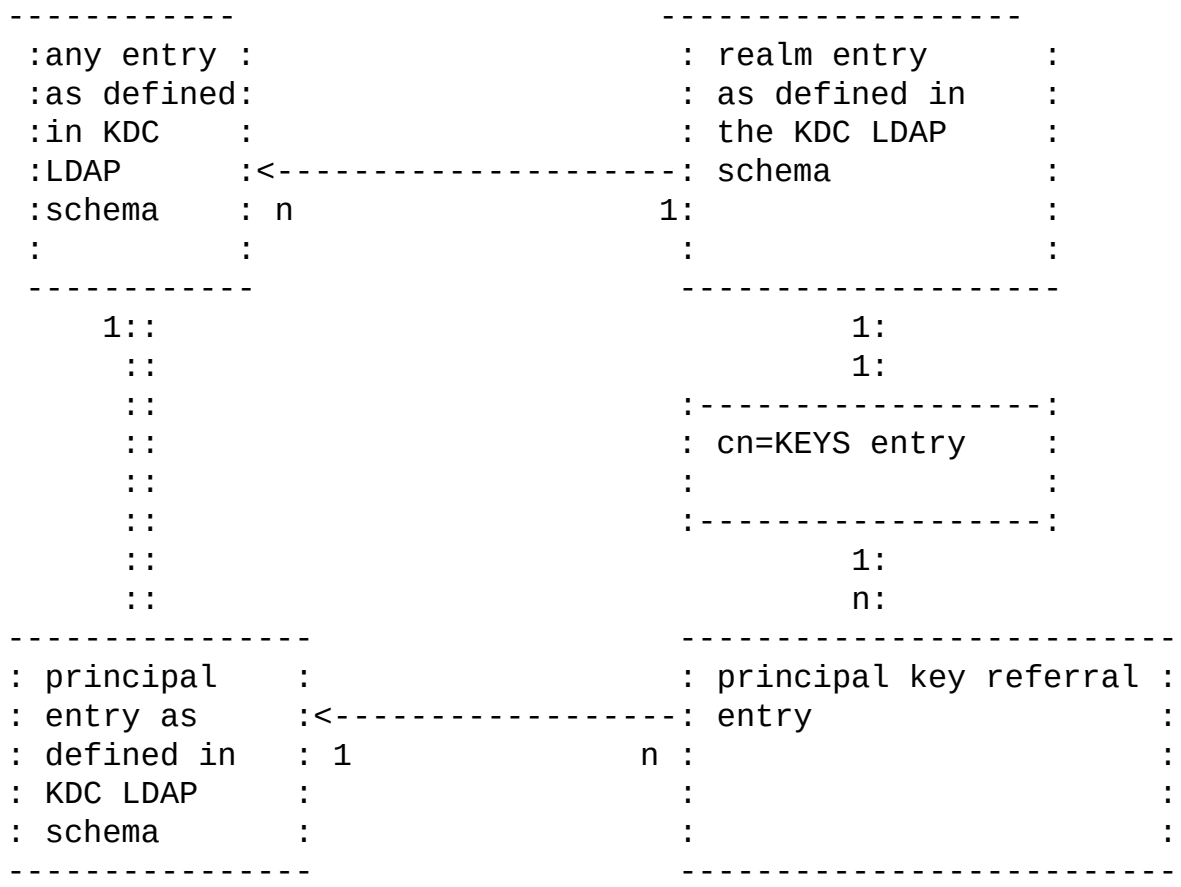
Master Keys


realm entry
as defined in the
KDC LDAP schema
1:
1:
cn=MKEYS entry
1:
n:
master key entry
(master key value
is stored in here or
a referenced URL
address, such as a file)

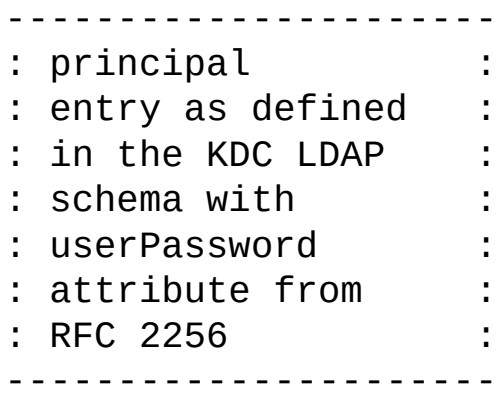
Principal Keys: KRBKEY Configuration



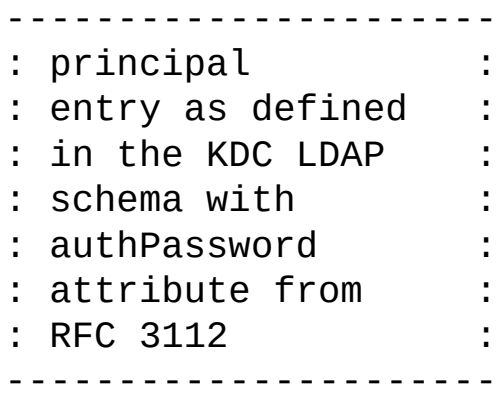
Principal Keys: KRBKEY-SUBTREE Configuration



Principal Keys: USERPASSWORD Configuration



Principal Keys: AUTHPASSWORD Configuration



For More Information

- Donna Skibbie, donnas@us.ibm.com