

LDAP Items

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LDAPv3 Profile

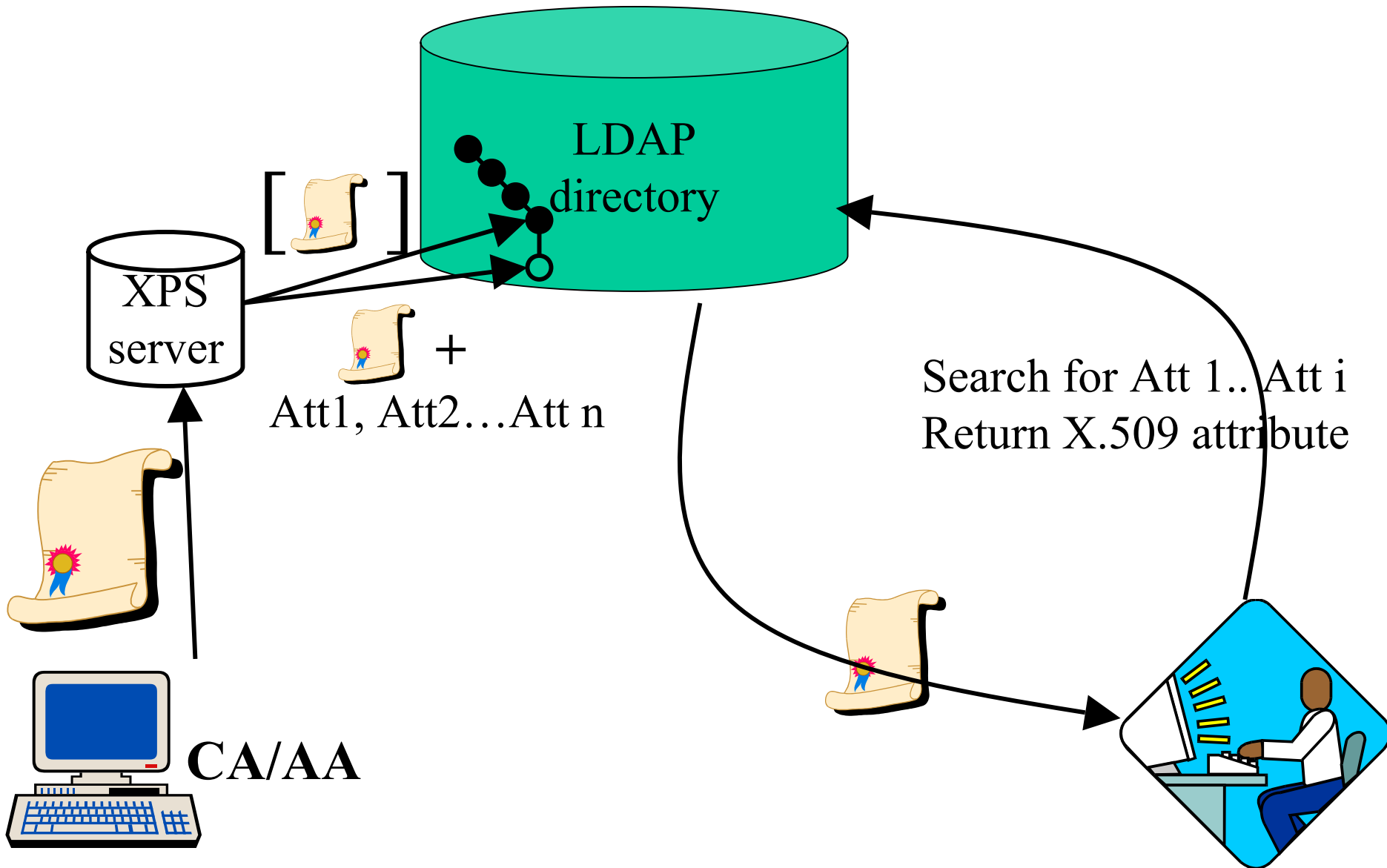
- <draft-ietf-pkix-ldap-v3-05.txt> issued in January 2002
- No comments received except from Microsoft that does not support multi-attributes in RDNs. This feature is currently mandatory in the profile.

New strings for RDNs

- Update <draft-ietf-pkix-dnstrings-01.txt> sent to the ID editor but 10 minutes late, so bounced. Will be resubmitted next week

String	X.500/LDAP AttributeType
SERIALNUMBER	serialNumber
ADDR	postalAddress
PSEUDO	pseudonym
GN	givenName
SN	surname
MAIL	mail/rfc822Mailbox
PI	permanentIdentifier
X509SN	x509serialNumber
ISSUER	x509issuer
ISSUERSN	x509issuerSerial
UPDATE	x509crlThisUpdate

LDAP Schema for Attribute Extraction



LDAP Schema for Attribute Extraction

- Revised IDs issued for certificates, CRLs and attribute certs
- Issue: whether the attribute for the binary cert/CRL should have a different attribute type in the child entry (in PKC it is different, in CRL and AC it is not)
- Issue: How much information to store from a CRLDP – just the URI of the full CRL or all general names plus reasons, issuers and relative name
- Issue: PKC schema has not added AA Controls extension from AC profile – should it?
- Issue: The attribute types defined in AC profile are not defined by LDAP (and cant be supported “as is” due to their complex syntax).
- The Klasen draft needs to become a full PKIX draft (the reason it did not this time was due to cut off dates)

Changes to PKC –03 draft

- Changed Matching Rules from caseIgnoreMatch to caseIgnoreIA5Match
- moved the references to RFC 3280 from the DESC part of the attribute definition to the text
- added some additional text about CIP in Introduction
- reworded text in Section 4.1.7 on Subject public key info algorithm to:
„OID identifying the algorithm associated with the certified public key“

Changes to PKC –03 draft contd.

- changed x509userCert and x509caCert to be inherited from userCertificate and caCertificate respectively
- added clarification about x509subject and subject alternative names in section Section 4.5
- added attribute type x509issuerSerial to x509PKC object class
- added attribute type x509basicConstraintsCa to x509PKC object class
- renamed attributetype 509cRLDistributionPointURI to x509FullcRLDistributionPointURI

Changes to PKC –03 draft contd.

- devided references in normative and non normative
- deleted attributetype mail from x509PKC objectclass
- created separate Name Forms for 509userCertificate and x509caCertificate object classes
- changed attributetype x509SerialNumber to MULTI-VALUE
- adjusted examples to new schema
- Fixed more typos

Still todo

- Include AAcontrol extension from RFC 3281 into X509-PKC objectclass
- Add new auxiliary object class for qualified certificates (draft-ietf-pkix-sonof3039-00.txt)
 - What is the status of that draft?
- IANA considerations
- Resolve the issues with the AC and CRL draft

LDAPv3 Protocol Update

- Protocol is currently proposed standard but draft standard is in preparation
- ;binary has been removed from latest revision
- Probably will be added as an extension to LDAPv3 (Steven Legg ID)
- But this currently gives PKIX users a problem
- Chairs decided to ballot PKIX members on which LDAP they use and how

LDAPv3 Schema for Component Matching

- Separated into two IDs – PKI schema and PMI schema
- PKI schema has defined a native LDAP encoding for PKI attributes, which is bitwise identical to the ;binary encodings of the current LDAPv3 proposed standard
- Also added back the simple encoding for exact matching (from first ID) that is now implemented in OpenLDAP
- PKI schema is now finished (apart from ;binary issue)
- PMI schema needs a bit more work on it

LDAPv3 Any Other Issues

- There is currently no direct way for the recipient of a user certificate to find out where other certificates for the same user might be found
- The AIA and SIA do not provide this functionality
- ID has been written which defines a new Subject Certificate Access extension, and will be submitted next week
- Alternative would be to add a new value for SIA (or AIA) that points to the location(s) of the subject's cert