



## Standardized Directory Enabled Videoconferencing Infrastructure

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## LDAP Objectclasses and Attributes Defined

- By ITU-T SG16 H.350 series of documents
  - commURIObject -> Defined in H.350
  - commObject -> Defined in H.350
  - h323Identity -> Defined in H.350.1
  - h235Identity -> Defined in H.350.2
  - h320Identity -> Defined in H.350.3
  - SIPIdentity -> Defined in H.350.4
  - genericIdentity -> Defined in H.350.5
  - callPreferenceURIObject -> Defined in H.350.6



## ObjectClasses and Attributes

- commObject (ObjectClass)
  - commUniqueld
  - commPrivate
  - commOwner
- commURIObject
  - commURI
- h323Identity (ObjectClass)
  - h323IdentityGKDomain
  - h323Identityh323-ID
  - h323IdentitydialedDigits
  - h323Identityemail-ID
  - h323IdentityURL-ID
  - h323IdentitytransportID
  - h323IdentitypartyNumber
  - h323IdentitymobileUIM
  - h323IdentityEndpointType
  - h323IdentityServiceLevel



## More ObjectClasses and Attributes

- SIPIdentity
  - SIPIdentitySIPURI
  - SIPIdentityRegistraraddress
  - SIPIdentityProxyAddress
  - SIPIdentityAddress
  - SIPIdentityPassword
  - SIPIdentityUserName
  - SIPIdentityServiceLevel
  - userSMIMECertificate
- h235Identity
  - h235IdentityEndpointID
  - h235IdentityPassword
  - userCertificate
  - caCertificate
  - authorityRevocationList
  - certificateRevocationList
  - crossCertificatePair

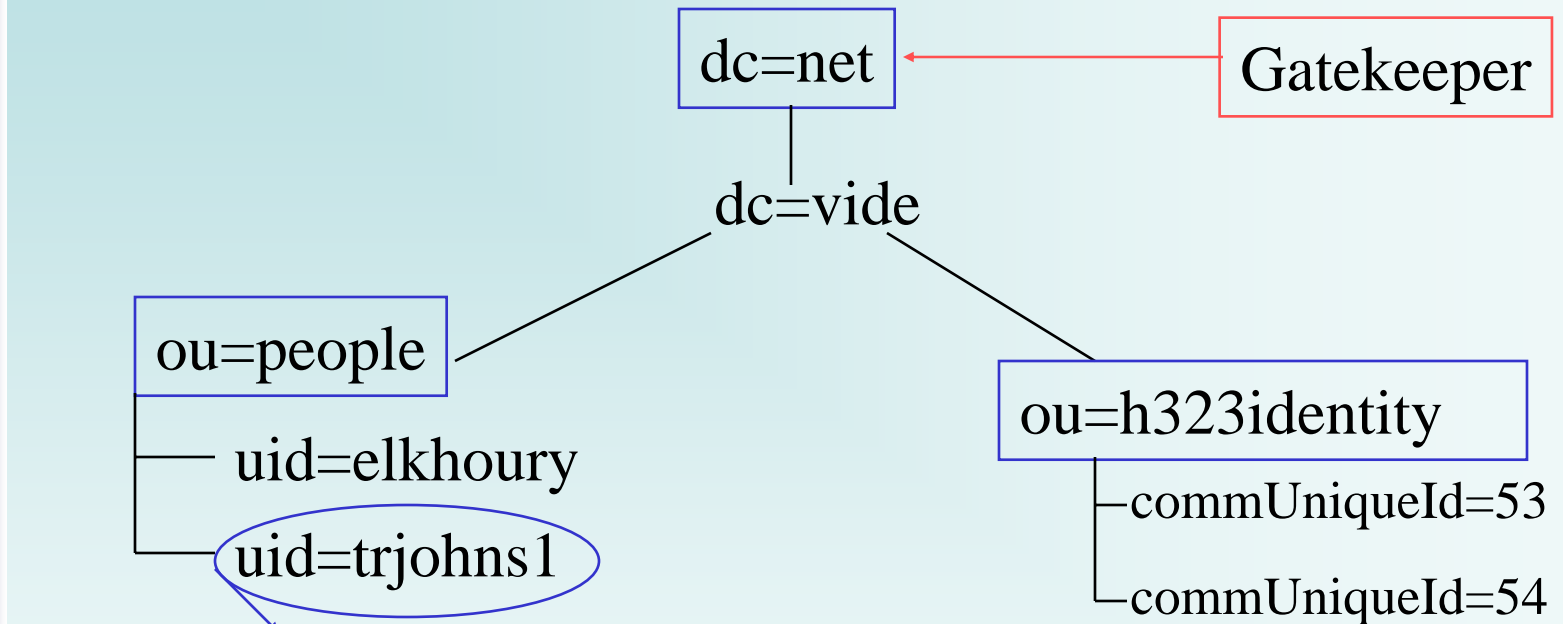


## More ObjectClasses and Attributes

- h320Identity
  - h320IdentityCC
  - h320IdentityNDC
  - h320IdentitySN
  - h320IdentityExtension
  - h320IdentityServiceLevel
- genericIdentity
  - genericIdentityProtocolIdentifier
  - genericIdentityMessage
- callPreferenceURIObject
  - callPreference



## Directory Information Tree (DIT)



uid=trjohns1,ou=people,dc=vide,dc=net

objectclass: inetorgperson

objectclass: commURIObject

uid: trjohns1

commURI: ldap://videnet.unc.edu/dc=vide,dc=net??sub?(commUniqueId=54)

commURI: ldap://videnet.unc.edu/dc=vide,dc=net??sub?(commUniqueId=53)



## LDAP Objects

commUniqueId=54,ou=h323identity,dc=vide,dc=net

objectclass: commObject

objectclass: h323Identity

commUniqueId: 54

commOwner: ldap://videnet.unc.edu/dc=vide,dc=net??sub?(uid=trjohns1)

h323Identityh323-ID: Tyler\_Johnson

h323IdentitydialedDigits: 0011297001



commUniqueId=53,ou=h323identity,dc=vide,dc=net

objectclass: commObject

objectclass: SIPIdentity

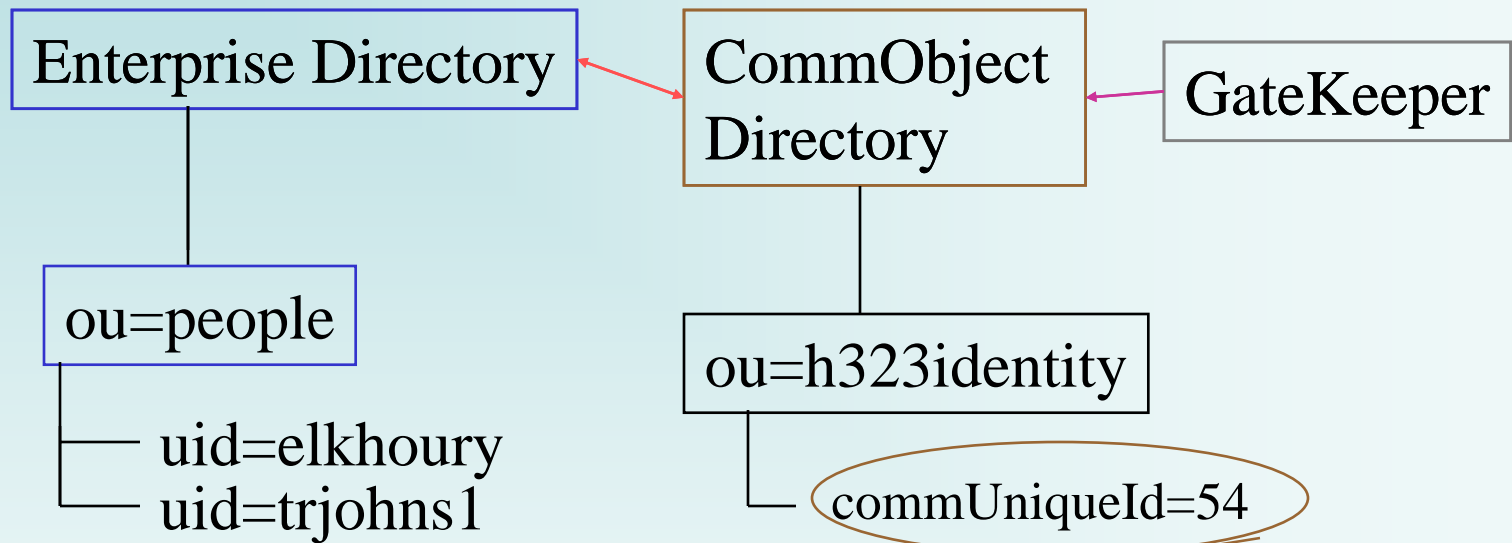
commUniqueId: 53

commOwner: ldap://videnet.unc.edu/dc=vide,dc=net??sub?(uid=trjohns1)

SIPIdentitySIPURI: sip:Tyler\_Johnson@unc.edu



## More LDAP Servers Layout



commUniqueId=54,ou=video,dc=vide,dc=net  
 objectclass: commObject  
 objectclass: h323Identity  
 objectclass: SIPIdentity  
 SIPIdentitySIPURI: sip:Tyler\_Johnson@unc.edu  
 h323IdentitydialedDigits: 0011297001



## Developed Tools



- Web Based Zone Management
- User directory
- Search Tool



- <https://videnet.unc.edu> (user directory and zone management)
- <https://videnet.unc.edu/vidе-dod/> (search tool)





## Time For Demos



- Radvision Sample Endpoint
- CGU SIP Client





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