UDM Python API

Udm

+ __init__(lo): None
+ using_admin(): Udm
+ using_machine(): Udm
+ using_credentials(...): Udm

+ get(name): BaseUdmModule
+ get_by_factory_config(name,
        factory_config): BaseUdmModule

<<Interface>>
BaseUdmModule

+ __init__(name, lo): None
+ new(): BaseUdmObject
+ get(dn): BaseUdmObject
+ search(filter_s, base, scope):
        Iterator[BaseUdmObject]

<<Interface>>
BaseUdmObject

+ dn: str
+ options: List[str]
+ policies: List[str]

+ __init__(): None
+ __repr__(): str
+ reload(): BaseUdmObject
+ save(): BaseUdmObject
+ delete(): BaseUdmObject

factory   1   product   0..*   1   factory   product   0..*

LDAP_Connection

+ get_admin_connection(): u.a.uldap.access
+ get_machine_connection(): u.a.uldap.access
+ get_credentials_connection(...): u.a.uldap.access

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<<Interface>>
BaseUdmModuleMetadata

+ auto_open: bool
+ identifying_property: str
+ mapping: UdmLdapMapping

+ lookup_filter([str]): str

<<Interface>>
BaseUdmObjectProperties

+ __init__(udm_module): None
+ __repr__(): str

props   1

UdmModuleFactoryConfigurationStorage

+ get_configuration(module_name):
        UdmModuleFactoryConfiguration
+ set_configuration(config, persistent: bool): None

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UdmLdapMapping

+ ldap2udm: dict
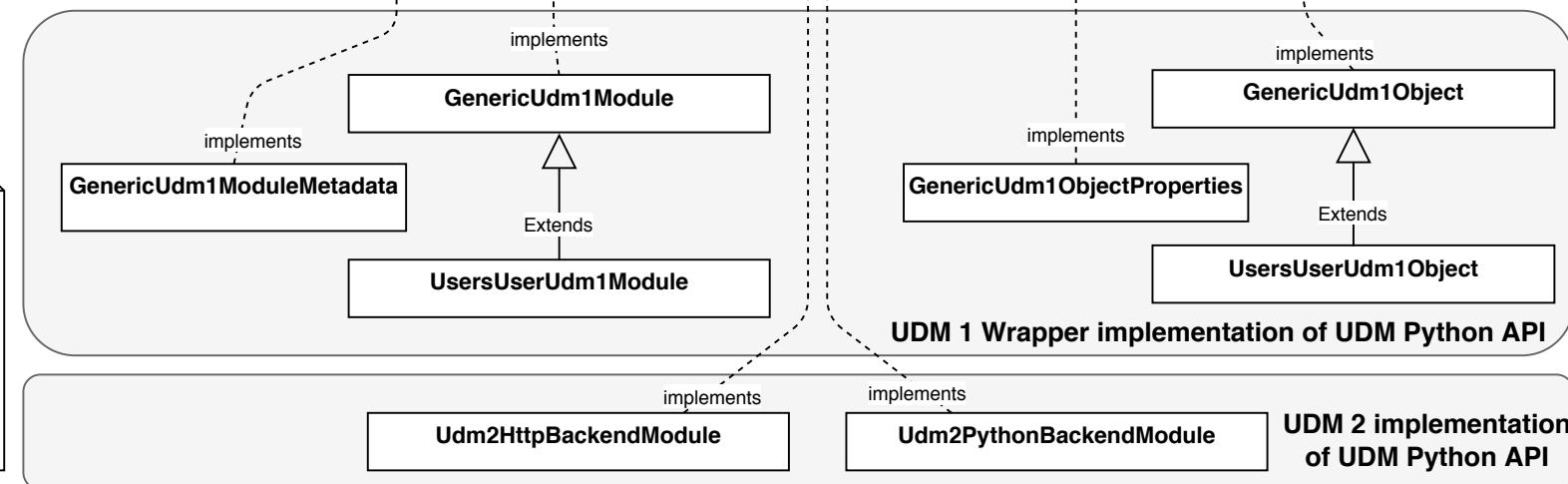+ udm2ldap: dict

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**UDM
Python API**

```
grp_mod = Udm.using_admin().get('groups/group')
obj = grp_mod.get(dn)
type(grp_mod) → GenericUdm1Module
type(obj) → GenericUdm1Object
type(obj.props) → GenericUdm1ObjectProperties
type(obj.props.users) → list

user_mod = Udm.using_admin().get('users/user')
obj = user_mod.get(dn)
type(user_mod) → UsersUserUdm1Module
type(obj) → UsersUserUdm1Object
type(obj.props) → GenericUdm1ObjectProperties
```

implements

GenericUdm1Module

implements

GenericUdm1ModuleMetadata

Extends

UsersUserUdm1Module

implements

GenericUdm1Object

implements

GenericUdm1ObjectProperties

Extends

UsersUserUdm1Object

UDM 1 Wrapper implementation of UDM Python API

implements   implements

Udm2HttpBackendModule   **Udm2PythonBackendModule**

**UDM 2 implementation
of UDM Python API**