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58.1 Examples of Provider LDIF entry

(same as 59.1 Examples of Provider LDIF entry)

Individual Provider

The following is an example of the Provider entry in the Provider Information Directory:

An individual provider, John Doe, is a male with an alias Jonathan.

This provider has an active status, and speaks English and Korean. The provider has an e-mail address of matt@example.com. His encryption certificate is h098jj08jll.

The provider's profession is Physician, and he has multiple specialties, Internal medicine and Cardiology. He is credentialed in Preventive Cardiology.

John Doe has multiple identifiers, a Universal PIN number of 800-800-8000, which is active, an NPI number of 66789-800, which is active, and a Hospital Id number of 786868 which is active.

John Doe is a member of the practice Good Health Practice.

He has multiple billing address registered in the Provider Information Directory, one of which is his primary address is 100 North Ave Chicago Illinois 60616-1234. This address is active.

A billing address that he once used but is no longer active is 123 West First Str, Chicago Illinois 60616-1234.

The creation date for the John Doe record in the Source is 2010-03-10, and this record was last updated on 2010-04-07.

```
dn: uid=<hpdAAId>:l-1234, ou=individual provider dc=hpd
uid: <hpdAAId>:hpdIdentifier:l-1234
hcProfession: Physician
displayName: John Doe
cn: John Doe
givenName: John
givenName: Johnathan
sn: Doe
hpdProviderStatus: Active
hpdProviderLanguageSupported: en
hpdProviderLanguageSupported: kr
hpdProviderGender: M
hcProfession: Physician
mail: matt@example.com
hcSigningCertificate: h098jj08jll
hcRole: Physician
```

hcSpecialisation: Internal medicine
hcSpecialisation: Cardiology
hpdCredential: Preventive Cardiology@StateMedicalBoard
hcIdentifier: 2.16.10.89.200:UPIN:800-800-8000:Active
hcIdentifier: 2.16.10.98.123:NPI:666789-800:Active
hcIdentifier: 1.89.11.00.123:Hospld:786868:Active
physicalDeliveryOfficeName: Good Health Practice
hpdProviderBillingAddress: status=Primary \$ addr = 100 North Ave Chicago Illinois 60616-1234
hpdProviderBillingAddress: status=Inactive \$ addr = 123 West First Str, Chicago Illinois 60616-1234
telephoneNumber: 800 800 9999
mobile: 800 800 9999
memberOf: cn=Group1, ou=Relationship-Member, dc=hpd
memberOf: cn=Group2, ou=Relationship-Member, dc=hpd
objectClass: top
objectClass: person
objectClass: organizationalPerson
objectClass: inetOrgPerson
objectClass: HCProfessional
objectClass: HPDProvider
objectClass: NaturalPerson

Organization Provider

The following is an example of an Organization Provider entry:

Organizational provider, with an identifier of O-76899 is a St. Mary's Hospital. It is also known as Saint.Marys, St. Marys.

The Hospital specializes in being a General Hospital, and also provides emergency care.

St Marys is credentialed as a General Hospital, and has multiple identifiers which are active. These are: FederalTax identifier 800-800-8000; NPI number 666789-800;

The registered name for St Marys is St. Mary Hospital, and the primary address is 100 North Ave Chicago Illinois 60616-1234. The primary billing address is 100 North Ave Chicago Illinois 60616-1234. The primary mailing address is 123 West First Str, Chicago Illinois 60616-1234. All of these addresses are active. St. Mary's has 3 facilities from where services are rendered.

St. Mary Hospital, also known as Saint. Marys, has the following phone number 800 800 9999, and fax number 800 800 9000. The creation date for the record in the Source is 2010-03-10 and this record was last updated on 2010-04-07.

dn: uid=<hpdAAId>:O-76899, ou=organization provider dc=hpd
uid=<hpdAAId>:O-76899
businessCategory: Hospital
hcRegisteredName: St. Mary Hospital
cn: St. Marys
cn: Saint. Marys
hpdOrgStatus: Active
hcSigningCertificate: h098jj08jll
hcSpecialisation: General Hospital
hcSpecialisation: Emergency
hpdCredential: General Hospital, 4.19.12.465.111:4567
hcIdentifier: 2.16.10.89.200:FederalTax:800-800-8000:Active
hcIdentifier: 2.16.10.98.123:NPI:666789-800:Active
hpdProviderPracticeAddress: type=Primary \$ status=Active \$ addr = 100 North Ave Chicago Illinois 60616-1234
hpdProviderBillingAddress: type=Primary \$ status=Active \$ addr = 100 North Ave Chicago Illinois 60616-1234
hpdProviderMailingAddress: status=Active \$ addr = 123 West First Str, Chicago Illinois 60616-1234
hcServiceLocation: uid=<hpdAAId>:hpdIdentifier:O-76899.1, ou=organization provider dc=hpd
hcServiceLocation: uid=<hpdAAId>:hpdIdentifier:O-76899.2, ou=organization provider dc=hpd
hcServiceLocation: uid=<hpdAAId>:hpdIdentifier:O-76899.3, ou=organization provider dc=hpd
telephoneNumber: 800 800 9999
facsimiletelephoneNumber: 800 800 9000
memberOf: cn=Group1, ou=Relationship-Member, dc=hpd
objectClass: top
objectClass: organization
objectClass: HCRegulatedOrganization
objectClass: HPDProvider

Relationship

The following is an example of a Relationship entry:

St. Mary's Hopital, an organizational provider, with an identifier of O-76899 has 3 members:

Two Individual providers: a) John Doe with an Provider Information Directory Unique Identifier I-abcd and b) Tiger Scott with an Provider Information Directory Unique Identifier of I-efghi

St. Mary's also has a partner hospital called St. Agnes with an Provider Information Directory unique identifier of I-4647.

The LDIF entry is as follows

```
dn: cn=Group1, ou=Relationship, dc=hpdcn: Group1hpdcGroupOwner: uid=<hpdcAAId>:O-76899, ou=Organization, dc=hpdcmember: uid=<hpdcAAId>I-abcd , ou=Individual, dc=hpdcmember: uid=<hpdcAAId>I-efghi, ou=Individual, dc=hpdcmember: uid=<hpdcAAId>O-4647, ou=Organization, dc=hpdcobjectClass: topobjectClass: groupOfNames
```

58.2 Examples of Provider Information Query Transaction

This section provides a number of examples of Provider Information Query requests and responses.

Use Case 1:

A Social Service employee needs to obtain provider address, contact, and credential information, as well as the hospital and hospital address that the provider works in. He has a provider name (Mark Smith), but it may not be the name the provider currently is known by.

Request:

```
<soap-env:Envelope>
  xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/"
  <soap-env:Body>
    <dsml:batchRequest>
      xmlns:dsml="urn:oasis:names:tc:DSML:2:0:core"
      xmlns:xsd="http://www.w3.org/2001/XMLSchema"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      <dsml:searchRequest>
        dn="O=HPDTEST,DC=HPD,C=US"
        scope="wholeSubtree"
        derefAliases="neverDerefAliases"
        sizeLimit="100"
        <dsml:filter>
          <dsml:approxMatch>
            name="displayName"
            <dsml:value>
              Mark Smith
            </dsml:value>
          </dsml:approxMatch>
        </dsml:filter>
      </dsml:searchRequest>
    </dsml:batchRequest>
  </soap-env:Body>
</soap-env:Envelope>
```

```

        <dsml:attribute/>
            name="HcPracticeLocation"
        <dsml:attribute/>
            name="HcPrincipalPracticeLocation"
        <dsml:attribute/>
            name="HcRegisteredAddr"
        <dsml:attribute/>
            name="HcServiceLocations"
        <dsml:attribute/>
            name="hpdProviderPracticeAddress"
        <dsml:attribute/>
            name="HcIdentifier"
        <dsml:attribute/>
            name="HcRegisteredName"
        <dsml:attribute/>
            name="HcRole"
        <dsml:attribute/>
            name="HcSpecialisation"
        <dsml:attribute/>
            name="HcOperatingHours"
        <dsml:attribute/>
            name="givenName"
        <dsml:attribute/>
            name="cn"
        <dsml:attribute/>
            name="memberOf"
        </dsml:attributes>
    </dsml:searchRequest>
</dsml:batchRequest>
</soap-env:Body>
</soap-env:Envelope>

```

Response:

The Provider Information Directory has the following information for Mark Smith.

He has a Primary Name – Marcus Smith, and two other names, Mark Smith, and Mark Smithson.

He works for two Hospitals, St Mary's (which is also known as Saint Marys) and Sinai Hospital.

```

    <SOAP-ENV:Body>
        <batchResponse>
            xmlns="urn:oasis:names:tc:DSML:2:0:core"
            <searchResponse>
                <searchResultEntry>
                    dn="uid=hpdtest:5,ou=Individual
Provider,O=HPDTEST,DC=HPD,C=US"
                    <attr>
                        name="cn"
                        <value>
                            Marcus Smith
                        </value>

```

```

        <value>
            Mark Smithson
        </value>
    </value>
    <value>
        Mark Smith
    </value>
</attr>
<attr>
    name="HcIdentifier"
    <value>
        1.89.11.00.123:HospId:786868:Active
    </value>
</attr>
<attr>
    name="HcSpecialisation"
    <value>
        Internal medicine
    </value>
    <value>
        Orthopedic
    </value>
</attr>
<attr>
    name="memberOf"
    <value>
        cn=Baltimore General
        Hospital,ou=Relationship,O=HPDTEST,DC=HPD,C=US
    </value>
    <value>
        cn=hpdTestGroup1,ou=Relationship,O=HPDTEST,DC=HPD,C=US
    </value>
</attr>
<attr>
    name="givenName"
    <value>
        Mark Smith
    </value>
</attr>
</searchResultEntry>
<searchResultDone>
    <resultCode/>
    code="0"
</searchResultDone>
</searchResponse>
</batchResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Search request for additional information on Baltimore General Hospital

```

<soap-env:Body>
    <dsml:batchRequest>
        xmlns:dsml="urn:oasis:names:tc:DSML:2:0:core"

```

```

xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
<dsml:searchRequest>
  dn="O=HPDTEST,DC=HPD,C=US"
  scope="wholeSubtree"
  derefAliases="neverDerefAliases"
  sizeLimit="100"
  <dsml:filter>
    <dsml:approxMatch>
      name="HcRegisteredName"
      <dsml:value>
        Baltimore General Hospital
      </dsml:value>
    </dsml:approxMatch>
  </dsml:filter>
  <dsml:attributes>
    <dsml:attribute/>
      name="HcPracticeLocation"
    <dsml:attribute/>
      name="HcPrincipalPracticeLocation"
    <dsml:attribute/>
      name="HcRegisteredAddr"
    <dsml:attribute/>
      name="HcServiceLocations"
    <dsml:attribute/>
      name="hpdProviderPracticeAddress"
    <dsml:attribute/>
      name="HcIdentifier"
    <dsml:attribute/>
      name="HcRegisteredName"
    <dsml:attribute/>
      name="HcRole"
    <dsml:attribute/>
      name="HcSpecialisation"
    <dsml:attribute/>
      name="HcOperatingHours"
    <dsml:attribute/>
      name="givenName"
    <dsml:attribute/>
      name="cn"
    <dsml:attribute/>
      name="memberOf"
  </dsml:attributes>
</dsml:searchRequest>
</dsml:batchRequest>
</soap-env:Body>
</soap-env:Envelope>

```

Response

```

<SOAP-ENV:Body>
  <batchResponse>
    xmlns="urn:oasis:names:tc:DSML:2:0:core"
    <searchResponse>
      <searchResultEntry>

```



```

        dn="uid=hpctest:04,ou=Organizational
Provider,O=HPDTEST,DC=HPD,C=US"
        <attr>
            name="HcIdentifier"
            <value>
                2.16.10.89.200:FederalTax:800-801-
8004:Active
            </value>
            <value>
                2.16.10.98.123:NPI:666789-804:Active
            </value>
        </attr>
        <attr>
            name="HcRegisteredName"
            <value>
                Baltimore General Hospital
            </value>
        </attr>
        <attr>
            name="HcSpecialisation"
            <value>
                Emergency
            </value>
            <value>
                General Hospital
            </value>
        </attr>
        <attr>
            name="hpdProviderPracticeAddress"
            <value>
                type=Primary \24 status=Active \24 addr =
100 North Ave Baltimore Maryland 60616-1234
            </value>
        </attr>
        <attr>
            name="memberOf"
            <value>
                cn=Baltimore General
Hospital,ou=Relationship,O=HPDTEST,DC=HPD,C=US
            </value>
            <value>
                cn=hpctestGroup2,ou=Relationship,O=HPDTEST,DC=HPD,C=US
            </value>
        </attr>
    </searchResultEntry>
</searchResultDone>
<resultCode/>
    code="0"
</searchResultDone>
</searchResponse>
</batchResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Use Case 2:

A provider has a patient who needs orthopedic surgery. The patient only speaks spanish. The provider would like to find a hospital, within his city, Baltimore, that supports the Spanish speaking community, and an Orthopedic specialist within that hospital who also speaks Spanish.

Request:

```
<soap-env:Body>
  <dsml:batchRequest>
    xmlns:dsml="urn:oasis:names:tc:DSML:2:0:core"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    <dsml:searchRequest>
      dn="O=HPDTEST,DC=HPD,C=US"
      scope="wholeSubtree"
      derefAliases="neverDerefAliases"
      sizeLimit="100"
      <dsml:filter>
        <dsml:and>
          <dsml:equalityMatch>
            name="hpdProviderLanguageSupported"
            <dsml:value>
              kr
            </dsml:value>
          </dsml:equalityMatch>
          <dsml:equalityMatch>
            name="HcSpecialisation"
            <dsml:value>
              Cardiology
            </dsml:value>
          </dsml:equalityMatch>
        </dsml:and>
      </dsml:filter>
    <dsml:attributes>
      <dsml:attribute/>
        name="HcPracticeLocation"
      <dsml:attribute/>
        name="HcPrincipalPracticeLocation"
      <dsml:attribute/>
        name="HcRegisteredAddr"
      <dsml:attribute/>
        name="HcServiceLocations"
      <dsml:attribute/>
        name="hpdProviderPracticeAddress"
      <dsml:attribute/>
        name="HcIdentifier"
      <dsml:attribute/>
        name="HcRegisteredName"
      <dsml:attribute/>
        name="HcRole"
      <dsml:attribute/>
        name="HcSpecialisation"
      <dsml:attribute/>
        name="HcOperatingHours"
    </dsml:attributes>
  </dsml:batchRequest>
</soap-env:Body>
```

```

        <dsml:attribute/>
        name="givenName"
    </dsml:attribute/>
    <dsml:attribute/>
    name="cn"
</dsml:attributes>
</dsml:searchRequest>
</dsml:batchRequest>
</soap-env:Body>
</soap-env:Envelope>

```

Response:

The Provider Information Directory has the following information. There are two hospitals that support Spanish speaking communities, one hospital has 3 orthopedic surgeons that speak Spanish, the other hospital only has one.

```

<SOAP-ENV:Envelope>
  xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  <SOAP-ENV:Body>
    <batchResponse>
      xmlns="urn:oasis:names:tc:DSML:2:0:core"
      <searchResponse>
        <searchResultEntry>
          dn="uid=hpctest:1,ou=Individual
Provider,O=HPDTEST,DC=HPD,C=US"
          <attr>
            name="cn"
            <value>
              John Doe
            </value>
          </attr>
          <attr>
            name="HcIdentifier"
            <value>
              1.89.11.00.123:HospId:786868:Active
            </value>
          </attr>
          <attr>
            name="HcSpecialisation"
            <value>
              Internal medicine
            </value>
            <value>
              Cardiology
            </value>
          </attr>
          <attr>
            name="hpctestProviderPracticeAddress"
            <value>
              status=Primary \24 addr = 100 North Ave
Chicago Illinois 60616-1234
            </value>
          </attr>

```

```
        <attr>
          name="givenName"
          <value>
            Johnathan
          </value>
        </attr>
      </searchResultEntry>
    <searchResultDone>
      <resultCode/>
      code="0"
    </searchResultDone>
  </searchResponse>
</batchResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```