

NET::LDAP

In a Nutshell

Binding to LDAP

`new(HOST [,OPTIONS])`

`port` => 389
`timeout` => 1000
`onerror` => 'die' | 'warn' | 'undef' | sub{...}
`version` => 'LDAPv3'

`bind(DN, OPTIONS)`

`anonymous` => 1
`password` => pass

Binding to LDAP

```
sub bind {
    my $ldapUrl = "ldap://localhost:389/";
    my $uri     = URI->new($ldapUrl)

    my $ldap = Net::LDAP->new($uri->host, (
        port=>$uri->port || "389",
    )
    );

    my $auth = $ldap->bind;

    if($auth->code > 0) {
        //an error happened
        return undef;
    }

    return $ldap;
}
```

Authenticating

```
sub bind {
  my $ldapUrl = "ldap://localhost:389/";
  my $uri      = URI->new($ldapUrl)

  my $ldap = Net::LDAP->new($uri->host, (
    port=>$uri->port || "389",
  )
);

  my $dn      = "cn=admin,dc=com";
  my $password = "secret";

  my $auth    = $ldap->bind(
    dn=>$dn,
    password => $password,
  );

  if($auth->code > 0) {
    //an error happened
    return undef;
  }

  return $ldap;
}
```

Searching LDAP

search (OPTIONS)

base => ou=people,dc=mycompany,dc=com

scope => 'base' | 'one' | 'sub'

filter => (objectClass=inetOrgPerson)

Searching LDAP

```
sub getUsers {
    my $ldap = bind();

    my $base = "ou=people,dc=mycompany,dc=com";
    my $scope = "sub";
    my $filter = "(&(objectClass=country)(objectClass=inetOrgPerson))";

    my $result = $ldap->search(
        base => $base,
        scope => $scope,
        filter => $filter
    );

    if($result->code){
        warn("Error getting users");
        return {};
    }

    tie my %users, "Tie::IxHash";

    foreach my $entry ($msg->entries){
        $users{$entry->dn} = $entry->get_value('givenName')
            . $entry->get_value('surname');
    }

    return \%users;
}
```

Adding a Record

add (DN, OPTIONS)

```
attr => [  
    attr1 => value 1,  
    attr2 => value 2,  
    multi => [ multi 1, multi 2]  
]
```

Adding a Record

```
sub addUser {
    my $ldap = bind();

    my $givenName = "Frank";
    my $surname = "Dillon";
    my $email = "frank@plainblack.com";

    my $cn = "$givenName." ".$surname;

    $result = $ldap->add(
        "cn=$cn,ou=people,dc=mycompany,dc=com",
        attr => [
            cn => $cn,
            sn => $surname,
            givenName => $givenName,
            mail => $email,
            objectclass => [
                'top',
                'person',
                'inetOrgPerson'
            ],
        ]
    );

    if($result->code){
        warn("Error adding user");
        return 0;
    }

    return 1;
}
```

Unbinding from LDAP

`unbind()`

Unbinding from LDAP

```
unbind {  
    my $ldap = bind();  
    $ldap->unbind;  
}
```