

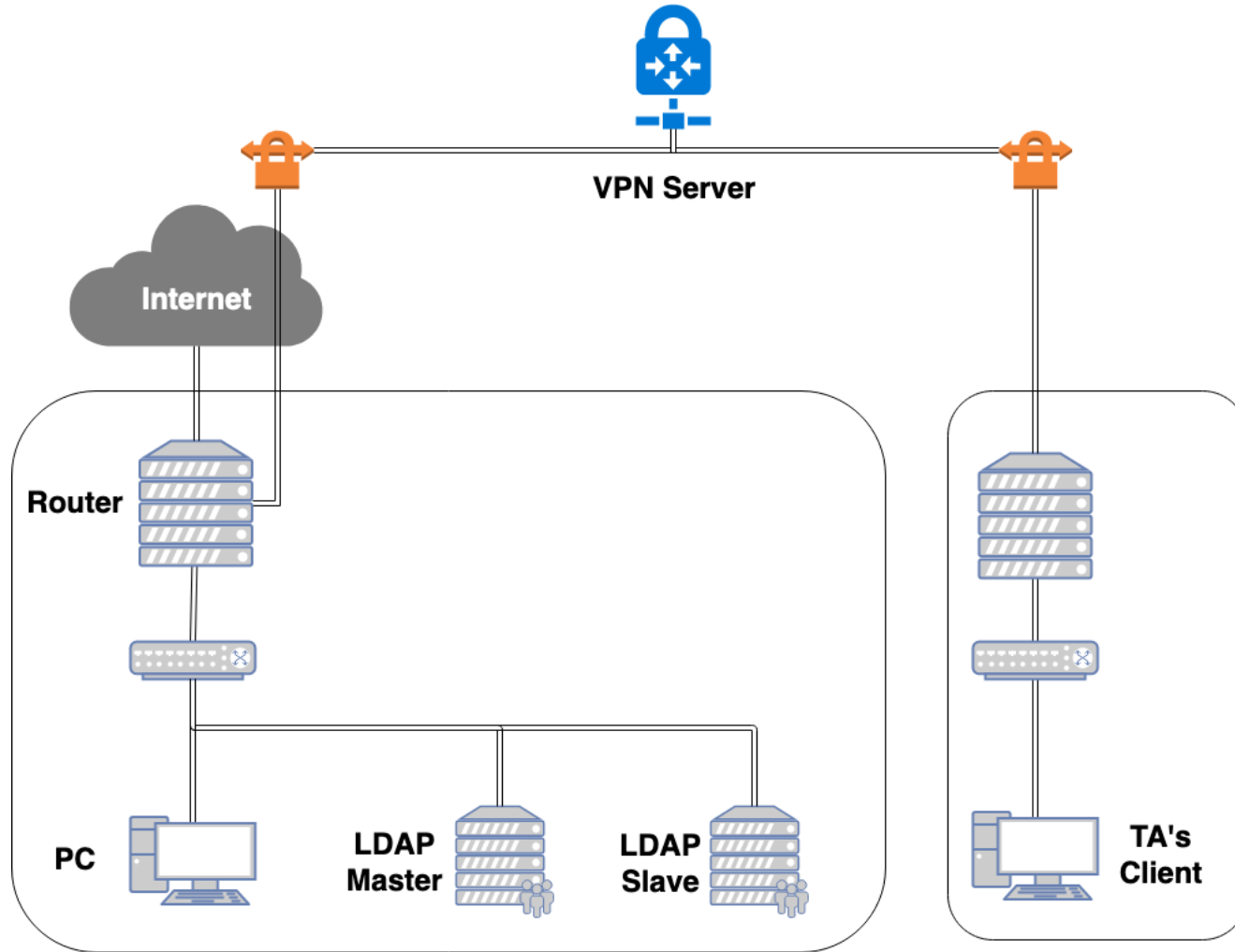


Network Administration HW2

Checkpoints

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Overview



Overview

- ❑ clusterInfo check 15% Custom schema
- ❑ uidNumber check 15% Basic LDIF usage
- ❑ Login check 15% Integrated with SSH
- ❑ Bind to DN "cn=Syncer" Check 15% ACL
- ❑ Slave check 10%
- ❑ TLS check 15% STARTTLS
- ❑ Slave Sync check 15% overlay syncrepl

Checkpoints (1/7)

❑ clusterInfo check

- TA will send query requests
 - “-b cn=master,ou=ldap,dc=<student-id>,dc=nasa”
 - “-b cn=slave,ou=ldap,dc=<student-id>,dc=nasa”to your LDAP **Master** from TA’s Client
- Your address attribute in **cn=master** should be **10.113.{your ip}.11**, **cn=slave** should not be **10.113.{your ip}.11**

Checkpoints (2/7)

❑ uidNumber check

- TA will send the query request
 - “uidNumber=3001”
to your LDAP Master from TA’s Client and check the cn attribute
- cn should be your **student id**

Checkpoints (3/7)

Login check

- TA will login your {LDAP Master, LDAP Slave, Router} with TA's private key from TA's Client.

Checkpoints (4/7)

❑ Bind to DN "cn=Syncer" Check

- Only **slave** server can bind to DN "cn=Syncer"
- TA will send query requests
 - “-b cn=Syncer,dc=<student-id>,dc=nasa -x -W hahaYouCatchMe -D cn=Syncer,dc=<student-id>,dc=nasa”
to your {LDAP Master, LDAP Slave}
from {TA’s Client, Router, LDAP Master, LDAP Slave}
- Only query requests from your **LDAP Slave** can bind successfully

Checkpoints (5/7)

❑ Slave check

- TA will send query requests
 - “-b cn=master,ou=ldap,dc=<student-id>,dc=nasa”
 - “-b cn=slave,ou=ldap,dc=<student-id>,dc=nasa”
 - “uidNumber=3001”

to your **LDAP Slave** from TA’s Client

Checkpoints (6/7)

❑ TLS check

- TA will send query requests to {LDAP Master, LDAP Slave} from TA's Client **with TLS encryption**
- Will add **LDAPTLS_REQCERT=never** to environment so don't worry about that verification fails on self signed certificate

Checkpoints (7/7)

❑ Slave Sync check

- TA will send a query request to LDAP Master to change the password of `cn=Syncer,dc=<student-id>,dc=nasa`
- After 60 seconds, TA will send a query request
 - `”-b cn=Syncer,dc=<student-id>,dc=nasa”`
to LDAP Slave and bind `cn=Syncer,dc=<student-id>,dc=nasa` with new password
- After testing, TA will change the password of `cn=Syncer` back to `”hahaYouCatchMe”`
- **Backup** your LDAP Master and LDAP Slave before the demo!

Demo

- TAs will try to login via public key and execute some script to validate your works.
- Due date: 5/16 18:30

Help!

- ❑ Email to ta@nasa.cs.nctu.edu.tw
 - Don't send email by E3new
- ❑ EC 3F CSCC