

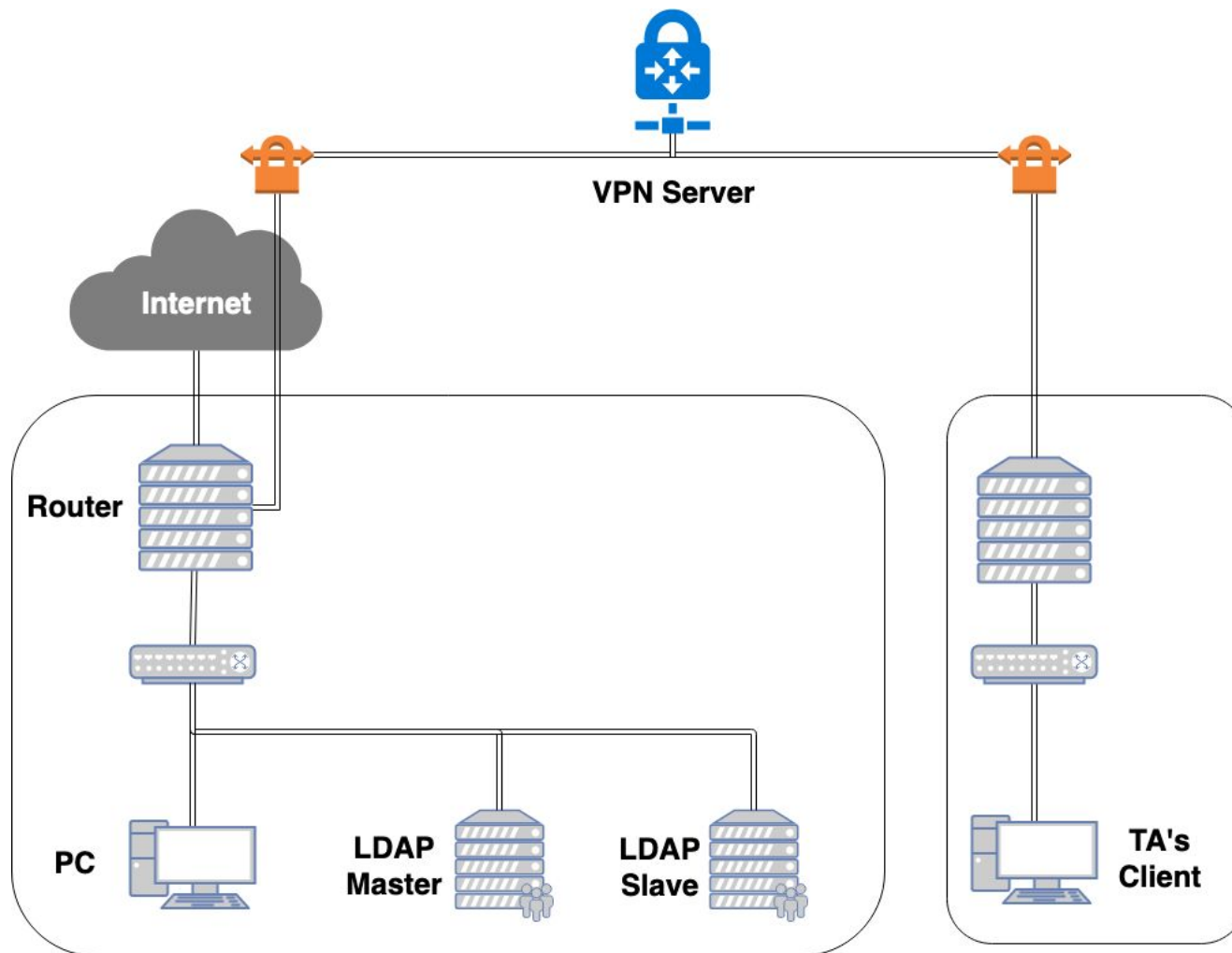
The left side of the slide features a decorative graphic consisting of several overlapping blue rectangles of varying shades and sizes, creating a stepped, architectural look.

Network Administration HW2

Checkpoints

yysung

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