SSH免密登录

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Linux基础

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```
[root@ccit ~]# ssh root@192.168.200.200
The authenticity of host '192.168.200.200 (192.168.200.200)' can't be established.
ECDSA key fingerprint is SHA256:loWd6rb8FUU7H02v7DgxPo0Qzgro7pNxAtzgopsm6lw.
ECDSA key fingerprint is MD5:61:b9:21:4f:4f:3c:f1:d2:e8:9c:3b:67:44:f2:8e:7f.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.200.200' (ECDSA) to the list of known hosts.
root@192.168.200.200's password:
Last login: Wed Jan  6 03:49:56 2021 from 192.168.200.100
```
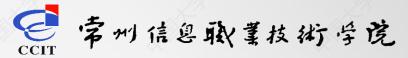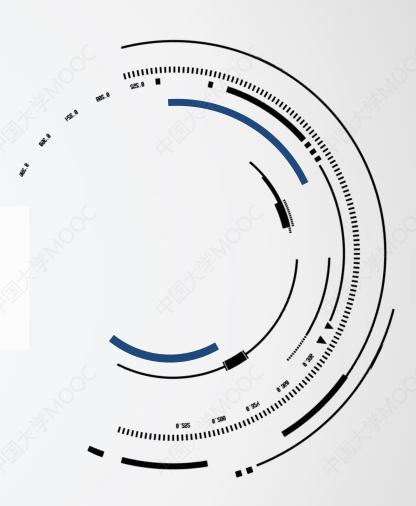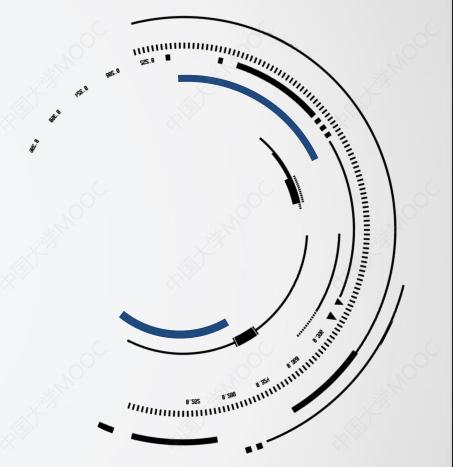
Linux基础
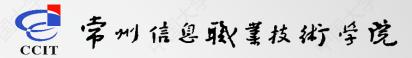
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```
[root@ccit ~]# scp test-student.txt ccit@192.168.200.200:/tmp/class
ccit@192.168.200.200's password:
test-student.txt                                    100%    0      0.0KB/s   00:00
```
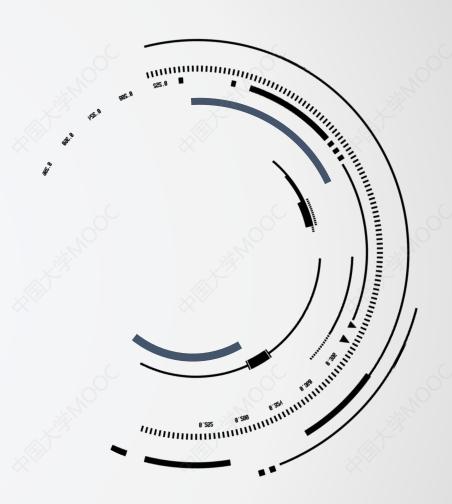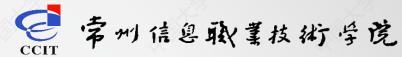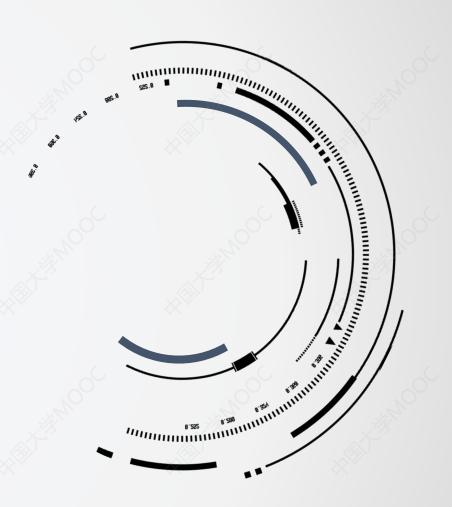
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服务器1　服务器2　　　　　服务器n

……

自动化运维，统一管理

免密登录！

Linux基础

1. 生成公钥私钥对
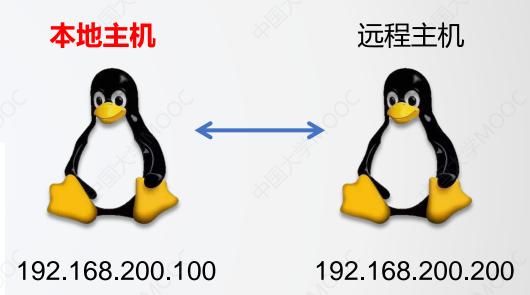
2. 复制公钥到远程主机

3. 免密登录验证

Linux基础

1. 生成公钥私钥对

本地主机生成公钥私钥对：

ssh-keygen

公钥文件为：

```
[root@ccit .ssh]# pwd
/root/.ssh
[root@ccit .ssh]# ll
total 12
-rw-------. 1 root root 1679 Jan  8 00:41 id_rsa
-rw-r--r--. 1 root root  391 Jan  8 00:41 id_rsa.pub
-rw-r--r--. 1 root root  177 Jan  6 03:55 known_hosts
```
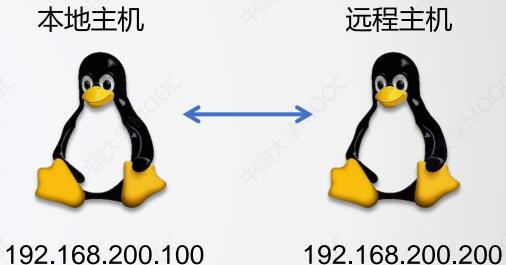
本地主机

远程主机

192.168.200.100

192.168.200.200

将公钥文件复制到远程主机：

ssh-copy-id –i /root/.ssh/id_rsa.pub ccit@192.168.200.200

◆ ssh-copy-id命令把本地主机的公钥文件复制到远程主机上，-i 选项，指定了公钥文件。

◆ 公钥默认写入~/.ssh/authorized_keys文件。

本地主机   远程主机
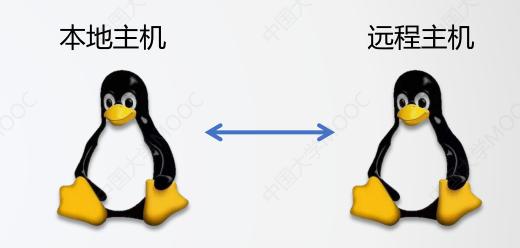
192.168.200.100   192.168.200.200

本地主机登录远程主机：

ssh ccit@192.168.200.200

用户登录已经不需要输入密码！

```
[root@ccit .ssh]# ssh ccit@192.168.200.200
Last login: Fri Jan  8 01:22:24 2021
[ccit@ccitServer ~]$ 
```

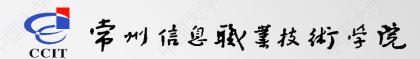本地主机   远程主机

192.168.200.100   192.168.200.200

操作演示

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1 本地主机 ● 2 远程主机 +

```
[root@ccit ~]# ip_addr        1  查看本地主机IP
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:0c:29:8d:f4:03 brd ff:ff:ff:ff:ff:ff
    inet 192.168.200.100/24 brd 192.168.200.255 scope global ens33
        valid_lft forever preferred_lft forever
    inet6 fe80::20c:29ff:fe8d:f403/64 scope link
        valid_lft forever preferred_lft forever
[root@ccit ~]#
```

Linux基础

第一步：使用ssh-keygen命令生成公钥和私钥对

第二步：复制公钥文件到远程主机

第三步：免密登录验证

操作录频中的标注请参考脚本和前面的视频一样形式标注即可

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